

**IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF TEXAS**

ELEVANCE HEALTH, INC., *et al.*

Plaintiffs,

v.

XAVIER BECERRA, *et al.*

Defendants.

Case No. 4:24-cv-01064-P

CERTIFICATION

I, Elizabeth Goldstein, Director, Division of Consumer Assessment and Plan Performance, Medicare Drug Benefit and C & D Data Group, Center for Medicare, Centers for Medicare & Medicaid Services (“CMS”), United States Department of Health and Human Services, under authority delegated to me by the Secretary of Health and Human Services, certify that, to the best of my knowledge, the attached documents constitute a true and complete copy of documents and information CMS considered in connection with the decision at issue in this litigation.

Dated: December 27, 2024

Elizabeth H. Goldstein -S

Digitally signed by Elizabeth H. Goldstein
-S
Date: 2024.12.27 10:41:58 -05'00'

Index of Administrative Record in
Elevance Health, Inc., *et al.* v. Becerra, et al.,
No. 4:24-cv-01064-P (N.D. Tex.)

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Certificate of Service

On December 27, 2024, I electronically submitted the foregoing Certification and Index of Administrative Record, along with the accompanying administrative record, with the clerk of court for the U.S. District Court, Northern District of Texas, using the electronic case filing system of the court. I hereby certify that I have served all parties electronically or by another manner authorized by Federal Rule of Civil Procedure 5(b)(2).

/s/ Andrea Hyatt

Andrea Hyatt

Assistant United States Attorney



Medicare 2025 Part C & D Star Ratings Technical Notes

Updated – 10/03/2024

Document Change Log

Previous Version	Description of Change	Revision Date

OMB Approved Data Sources

The data collected for the Part C & D Star Ratings come from a variety of different data sources approved under the following Office of Management and Budget (OMB) Paperwork Reduction Act numbers:

Data Source	OMB Number
Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys	0938-0732
Health Outcomes Survey (HOS)	0938-0701
Healthcare Effectiveness Data and Information Set (HEDIS)	0938-1028
Part C Reporting Requirements	0938-1054
Part D Reporting Requirements	0938-0992
Data Validation of Part C/D Reporting Requirements data	0938-1115

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Introduction

CMS created the Part C & D Star Ratings to provide quality and performance information to Medicare beneficiaries to assist them in choosing their health and drug services during the annual fall open enrollment period. We refer to them as the ‘2025 Medicare Part C & D Star Ratings’ because they are posted prior to the 2025 open enrollment period.

This document describes the methodology for creating the Part C & D Star Ratings displayed on the Medicare Plan Finder (MPF) at <http://www.medicare.gov/> and posted on the CMS website at <http://go.cms.gov/partcanddstarratings>. A Glossary of Terms used in this document can be found in [Attachment R](#).

The Star Ratings data are also displayed in the Health Plan Management System (HPMS). In HPMS, the data can be found by selecting: “Quality and Performance,” then “Performance Metrics,” then “Reports,” then “Star Ratings and Display Measures,” then “Star Ratings” for the report type, and “2025” for the report period. See [Attachment S](#): Health Plan Management System Module Reference for descriptions of the HPMS pages.

The Star Ratings Program is consistent with the “Meaningful Measures” framework which focuses on measures related to person-centered care, equity, safety, affordability and efficiency, chronic conditions, wellness and prevention, seamless care coordination, and behavioral health. With Meaningful Measures 2.0, CMS plans to better address health care priorities and gaps, emphasize [digital quality measurement](#), and promote patient perspectives of care. The Star Ratings include measures applying to the following five broad categories:

- Outcomes: Outcome measures reflect improvements in a beneficiary’s health and are central to assessing quality of care.
- Intermediate outcomes: Intermediate outcome measures reflect actions taken which can assist in improving a beneficiary’s health status. Diabetes Care – Blood Sugar Controlled is an example of an intermediate outcome measure where the related outcome of interest would be better health status for beneficiaries with diabetes.
- Patient experience: Patient experience measures reflect beneficiaries’ perspectives of the care they received.
- Access: Access measures reflect processes and issues that could create barriers to receiving needed care. Plan Makes Timely Decisions about Appeals is an example of an access measure.
- Process: Process measures capture the health care services provided to beneficiaries which can assist in maintaining, monitoring, or improving their health status.

Note on References to the 2024 Star Ratings

Throughout these technical notes, previous year and 2024 Star Ratings refer to the recalculated 2024 Star Ratings and cut points which were recalculated using the published 2023 Star Ratings cut points to determine the guardrails for 2024 Star Ratings (i.e., Tukey outliers were not removed from the 2023 Star Ratings measure scores when determining cut points).

Differences between the 2024 Star Ratings and 2025 Star Ratings

There have been several changes between the 2024 Star Ratings and the 2025 Star Ratings. This section provides a synopsis of the notable differences; the reader should examine the entire document for full details

- Changes
 - a. The weight of the Part C Plan All-Cause Readmissions measure was increased to 3.
 - b. Since the Medicare Plan Finder measure is no longer treated as a new measure, guardrails are now applied after mean resampling
- Transitioned measures (Moved to the display page on the CMS website:
<http://go.cms.gov/partcanddstarratings>)
 - a. None
- Retired measures
 - a. None

Health/Drug Organization Types Included in the Star Ratings

All health and drug plan quality and performance measure data described in this document are reported at the contract/sponsor level. Table 1 lists the contract year 2025 organization types and whether they are included in the Part C and/or Part D Star Ratings.

Table 1: Contract Year 2025 Organization Types Reported in the 2025 Star Ratings

Organization Type	Technical Notes Abbreviation	Medicare Advantage (MA)	Can Offer SNPs	Part C Ratings	Part D Ratings
1876 Cost	1876 Cost	No	No	Yes	Yes (if drugs offered)
Demonstration (Medicare-Medicaid Plan) †	MMP	No	No	No	No
Employer/Union Only Direct Contract Local Coordinated Care Plan (CCP)	CCP	Yes	No	Yes	Yes
Employer/Union Only Direct Contract Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Employer/Union Only Direct Contract Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
HCPP 1833 Cost	HCPP	No	No	No	No
Local Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Medical Savings Account (MSA)	MSA	Yes	No	Yes	No
National PACE	PACE	No	No	No	No
Medicare Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
Regional Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Religious Fraternal Benefit Private Fee-for-Service (RFB PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)

† Note: The measure scores from these organizations are displayed in HPMS only during the first plan preview. Data from these organizations are not used in calculating the Part C & D Star Ratings.

The Star Ratings Framework

The Star Ratings are based on health and drug plan quality and performance measures. Each measure is reported in two ways:

Score: A score is either a numeric value or an assigned ‘missing data’ message.

Star: The measure numeric value is converted to a Star Rating.

The measure Star Ratings are combined into three groups and each group is assigned 1 to 5 stars. The three groups are:

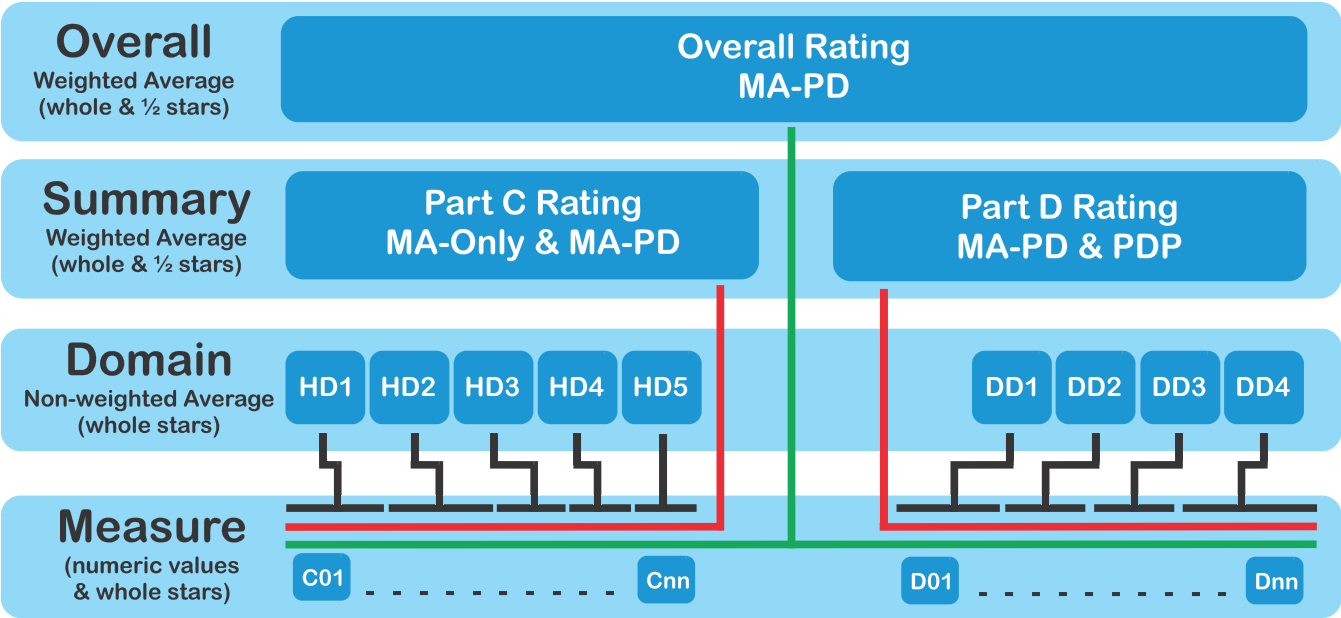
Domain: Domains group together measures of similar services. Star Ratings for domains are calculated using the non-weighted average Star Ratings of the included measures.

Summary: Part C measures are grouped to calculate a Part C Rating; Part D measures are grouped to calculate a Part D Rating. Summary ratings are calculated from the weighted average Star Ratings of the included measures.

Overall: For MA-PDs, all unique Part C and Part D measures are grouped to create an overall rating. The overall rating is calculated from the weighted average Star Ratings of the included measures.

Figure 1 shows the four levels of Star Ratings that are calculated and reported publicly.

Figure 1: The Four Levels of Star Ratings



The whole star scale used at the measure and domain levels is shown in Table 2.

Table 2: 5-Star Scale

Numeric	Graphic	Description
5	★★★★★	Excellent
4	★★★★☆	Above Average
3	★★★☆☆	Average
2	★★☆☆☆	Below Average
1	★☆☆☆☆	Poor

To allow for more variation across contracts, CMS assigns half stars to the summary and overall ratings. As different organization types offer different benefits, CMS classifies contracts into three contract types. The highest level Star Rating differs among the contract types because the set of required measures differs by contract type. Table 3 clarifies how CMS classifies contracts for purposes of the Star Ratings and indicates the highest rating available for each organization type.

Table 3: Relation of 2025 Organization Types to Contract Types and Highest Rating in the 2025 Star Ratings

Organization Type	1876 Cost (no drugs) †	1876 Cost (offers drugs) †	CCP	MSA	PDP	PFFS (no drugs)	PFFS (offers drugs)
Rated As	MA-Only	MA-PD	MA-PD	MA-Only	PDP	MA-Only	MA-PD
Highest Rating	Part C rating	Overall Rating	Overall Rating	Part C Rating	Part D Rating	Part C Rating	Overall Rating

† Note: While 1876 contracts are not MA contracts, for the purposes of determining the highest rating they are considered to be rated as either “MA-only” or “MA-PD” depending on whether they offer drugs.

The 2025 Star Ratings include a maximum of 9 domains comprised of a maximum of 42 measures.

- MA-Only contracts are measured on 5 domains with a maximum of 30 measures.
- PDPs are measured on 4 domains with a maximum of 12 measures.
- MA-PD contracts are measured on all 9 domains with a maximum of 42 measures, 40 of which are unique measures. Two of the measures are shown in both Part C and Part D so that the results for a MA-PD contract can be compared to an MA-Only contract or a PDP contract. Only one instance of those two measures is used in calculating the overall rating. The two duplicated measures are Complaints about the Health/Drug Plan (CTM) and Members Choosing to Leave the Plan (MCLP).

For a health and/or drug plan to be included in the Part C & D Star Ratings, they must have an active contract with CMS to provide health and/or drug services to Medicare beneficiaries. All of the data used to rate the plans are collected through normal contractual requirements or directly from CMS systems. Information about Medicare Advantage contracting can be found at: <https://www.cms.gov/Medicare/Medicare-Advantage/MedicareAdvantageApps/index.html> and Prescription Drug Coverage contracting at: <https://www.cms.gov/Medicare/Prescription-Drug-coverage/PrescriptionDrugCovContra/index.html>. The data used in the Star Ratings come from four categories of data sources which are shown in Figure 2.

Figure 2: The Four Categories of Data Sources



Improvement Measures

Unlike the other Star Rating measures which are derived from data sources external to the Star Ratings, the Part C and Part D improvement measures are derived through comparisons of a contract's current and prior year measure scores. For a measure to be included in the improvement calculation the measure must not have had a significant specification change during those years. The Part C improvement measure includes only Part C measure scores and the Part D improvement measure includes only Part D measure scores. The measures and formulas for the improvement measure calculations are found in [Attachment I](#). If a scaled reduction is applied to the Part C appeals measure in the previous year, the associated appeals measures will not be included in the Health Plan Quality Improvement measure.

The numeric results of these calculations are not publicly posted; only the measure ratings are reported publicly. Further, to receive a Star Rating in the improvement measures, a contract must have measure scores for both years in at least half of the required measures used to calculate the Part C improvement or Part D improvement measures. Improvement scores are not calculated for reconfigured regional contracts until data is available for the reconfigured structure from both years. Improvement scores are not calculated for consolidated contracts in their first year. Table 4 presents the minimum number of measure scores required to receive a rating for the improvement measures.

Table 4: Minimum Number of Measure Scores Required for an Improvement Measure Rating by Contract Type

Part	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	11 of 22	13 of 26	15 of 29	9 of 17	13 of 25	N/A	13 of 26
D	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

For a detailed description of all Part C and Part D measures, see the section entitled “Framework and Definitions for the Domain and Measure Details.”

Contract Enrollment Data

The enrollment data used in the Part C and Part D "Complaints about the Health/Drug Plan" measures are pulled from HPMS. These data may also be accessed on the [Monthly Enrollment by Contract](#) page on CMS.gov. These enrollment files represent the number of enrolled beneficiaries the contract was paid for in a specific month. For these measures, twelve months of enrollment files are pulled (January 2023 through December 2023) and the average enrollment across those months is used in the calculations.

Enrollment data are also used when combining the plan-level data into contract-level data in the two Part C “Care for Older Adults” Healthcare Effectiveness Data and Information Set (HEDIS) measures. (“The Care for Older Adults – Functional Status Assessment” measure is currently on the display page). When there is a reported rate, the eligible population in the plan benefit package (PBP) submitted with the HEDIS data is used. If the audit designation for the PBP level HEDIS data is set to “Not Reported” (NR) or “Biased Rate” (BR) by the auditor (see following section), there is no value in the eligible population field. In these instances, twelve months of PBP-level enrollment files are pulled (January 2023 through December 2023), and the average enrollment in the plan across those months is used in calculating the combined rate.

Handling of Biased, Erroneous, and/or Not Reportable (NR) Data

The data used for CMS’s Star Ratings must be accurate and reliable. CMS has identified issues with some contracts’ data and has taken steps to protect the integrity of the data. For any measure scores CMS identifies to be based on inaccurate or biased data, CMS’s policy is to reduce a contract’s measure rating to 1 star and set the measure score to “CMS identified issues with this plan’s data.”

Inaccurate or biased data result from the mishandling of data, inappropriate processing, or implementation of incorrect practices. Examples include, but are not limited to: a contract’s failure to adhere to HEDIS, Health Outcomes Survey (HOS), or CAHPS reporting requirements; a contract’s failure to adhere to Medicare Plan Finder data requirements; a contract’s errors in processing organization determinations and appeals; compliance actions taken against the contract due to errors in operational areas that impact the data reported or processed for specific measures; or a contract’s failure to pass validation of the data reported for specific measures. For HEDIS data, CMS uses the audit designation information assigned by the HEDIS auditor. An audit designation of ‘NR’ (Not reported) is assigned when the contract chooses not to report the measure. An audit designation of ‘BR’ (Biased rate) is assigned when the individual measure score is materially biased (e.g., the auditor informs the contract the data cannot be reported to the National Committee for Quality Assurance (NCQA) or to CMS). When either a ‘BR’ or ‘NR’ designation is assigned to a HEDIS measure audit designation, the contract receives 1 star for the measure and the measure score is set to “CMS identified issues with this plan’s data.” In addition, CMS reduces contracts’ HEDIS measure ratings to 1 star if the patient-level data files are not successfully submitted and validated by the submission deadline. Also, if the HEDIS summary-level data value varies substantially from the value in the patient-level data, the measure is reduced to a rating of 1 star. If an approved CAHPS or HOS vendor does not submit a contract’s CAHPS or HOS data by

the data submission deadline, the contract automatically receives a rating of 1 star for the CAHPS or HOS measures and the measure scores are set to “CMS identified issues with this plan’s data.”

Data Handling of Measures for Contracts Affected by a Major Disaster

CMS has a policy for making adjustments in the Star Ratings to take into account major disasters. That policy was described in the 2025 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>.) This is also codified in regulation at §422.166(i) and §423.186(i).

This section describes how the policy is implemented for measures from each of the different data sources in the 2025 Star Ratings. The methodology used by CMS to identify the major disaster geographic areas, determine which contracts were affected, and how much of their geographic service area and percent of enrollment resided in an affected area can be found in [Attachment P](#).

The disaster policy specified two distinct thresholds of “25% or more” and “60% or more” of the contract’s membership at the time of the disaster resided in a FEMA-designated Individual Assistance area. CMS calculated the percentage of enrollment affected for every contract being rated and applied the following rules to the data from those contracts that meet or exceed either of the two thresholds.

- CAHPS adjustments:
 - All contracts were required to administer the 2024 CAHPS survey unless the contract requested and CMS approved an exemption.
 - All affected contracts with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster receive the higher of the 2024 or the 2025 Star Rating (and corresponding measure score) for each CAHPS measure (including the annual flu vaccine measure).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated individual Assistance areas that were affected by disasters that began in 2023 were also affected by disasters in 2022. These doubly-affected contracts receive the higher of the 2025 Star Rating or what the 2024 Star Ratings would have been in the absence of any adjustments that took into account the effects of the 2022 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected). For example, if a doubly-affected contract reverted back to the 2023 Star Rating on a given measure in the 2024 Star Ratings, the 2023 Star Rating is *not* used in determining the 2025 Star Rating. Rather the 2025 Star Rating is compared to what the 2024 Star Rating would have been absent any disaster adjustments.
- HEDIS-HOS adjustments:
 - The HEDIS-HOS data used in the 2025 Star Ratings are adjusted for 2022 disasters (see [Attachment P](#) of the 2024 Star Ratings Technical Notes for the identification of contracts affected by 2022 disasters).
 - All affected contracts (i.e., contracts affected by 2022 disasters) with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster received the higher of the 2024 or the 2025 Star Rating (and corresponding measure score) for each HEDIS-HOS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2022 were also affected by disasters in 2021. These doubly-affected contracts receive the higher of the 2025 Star Rating or what the 2024 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2021 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).

- HEDIS adjustments:
 - All contracts were required to report HEDIS MY 2023 unless the contract requested and CMS approved an exemption. Contracts were able to work with NCQA to adjust samples if necessary.
 - Contracts with 25% or more affected members received the higher of the 2024 or 2025 Star Rating (and corresponding measure scores) for each HEDIS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2023 were also affected by disasters in 2022. These doubly-affected contracts receive the higher of the 2025 Star Rating or what the 2024 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2022 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- Part C and D Call Center:
 - For all contracts, no adjustments were made.
- New measures:
 - Contracts with 25% or more affected members have a hold harmless provision applied which compares the result of a contract's overall rating "with" and "without" including any new measure(s) and/or respecified measure(s). If the "with" result is lower than the "without" result, then we use the "without" result as the final highest level rating. Please note that there are no new or respecified measures for the 2025 Star Ratings.
 - A similar hold harmless provision is applied for the Part C and D summary ratings. If a contract has 25% or more affected members, the Part C and D summary ratings are calculated "with" and "without" any new measure(s) and/or respecified measure(s), and if the "with" result is lower than the "without" result, then we use the "without" result for the final summary ratings. Please note that there are no new or respecified measures for the 2025 Star Ratings.
- All other measures:
 - Contracts with 25% or more affected members receive the higher of the 2024 or 2025 measure stars (and corresponding measure scores).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2023 were also affected by disasters in 2022. These doubly-affected contracts receive the higher of the 2025 Star Rating or what the 2024 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2022 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- All adjustments:
 - For all adjustments, if the Star Rating is the same in both years, the Star Rating and the measure score from the most recent year are used.
- Improvement measures:
 - For affected contracts that reverted back to the data underlying the previous year's Star Rating for a particular measure for either 2024 or 2025 Star Ratings, that measure is excluded from both the count of measures (used to determine whether the contract has at least half of the measures needed to calculate the relevant improvement measure) and the improvement measures' calculation. Affected contracts do not have the option of reverting to the prior year's improvement rating.

- Affected contracts with missing data:
 - If an affected contract has missing data in either the current or previous year (e.g., because of a data integrity issue, it is too new, or it is too small), the final measure rating comes from the current year. Missing data includes data where there is a data integrity issue.
- Reward Factor:
 - Affected contracts with 60% or more of their enrollees impacted by a 2023 disaster are excluded from the determination of the performance summary and variance thresholds for the Reward Factor.
- Cut points:
 - Clustering Methodology: For all measures that use the clustering methodology for cut point generation, the measure scores for contracts with 60% or more of their enrollment affected by a disaster are excluded from creating those cut points.

Methodology for Assigning Stars to the Part C and Part D Measures

CMS assigns stars for each numeric measure score by applying one of two methods: clustering, or relative distribution and significance testing. Each method is described below. [Attachment K](#) explains the clustering and relative distribution and significance testing (used for CAHPS measures) methods in greater detail.

A. Clustering

This method is applied to the majority of the Star Ratings measures, ranging from operational and process-based measures, to HEDIS and other clinical care measures. Using this method, the Star Rating for each measure is determined by applying a clustering algorithm to the measure's numeric value scores from all contracts. Conceptually, the clustering algorithm identifies the "gaps" among the scores and creates four cut points resulting in the creation of five levels (one for each Star Rating). The scores in the same Star Rating level are as similar as possible; the scores in different Star Rating levels are as different as possible. Star Rating levels 1 through 5 are assigned with 1 being the worst and 5 being the best.

Technically, the variance in measure scores is separated into within-cluster and between-cluster sum of squares components. The clusters reflect the groupings of numeric value scores that minimize the variance of scores within the clusters. The Star Ratings levels are assigned to the clusters that minimize the within-cluster sum of squares. The cut points for star assignments are derived from the range of measure scores per cluster, and the star levels associated with each cluster are determined by ordering the means of the clusters.

Tukey outlier deletion is used to determine the cut points for all non-CAHPS measures. Tukey outlier deletion involves removing Tukey outer fence outlier contract scores, those defined as measure-specific scores outside the bounds of 3.0 times the measure-specific interquartile range subtracted from the 1st quartile or added to the 3rd quartile. Outliers are removed prior to applying mean resampling within the hierarchical clustering algorithm.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are randomly separated into 10 equal-sized groups. The hierarchical clustering algorithm is then applied 10 times, each time leaving one of the 10 groups out of the clustered data. The method results in 10 sets of measure-specific cut points. The mean for each 1 through 5 star level cut point is taken across the 10 sets for each measure to produce the final cut points.

Guardrails are used to cap the amount of increase or decrease in measure cut point values from one year to the next. Specifically, each 1 to 5 star level cut point is compared to the prior year's value and capped at an increase or decrease of at most 5 percentage points for measures having a 0 to 100 scale (absolute percentage cap) or at most 5 percent of the prior year's restricted score range for measures not having a 0 to 100 scale (restricted range cap). The final capped cut points after comparing each 1 through 5 star level cut point to the prior year's values are used for assigning measure stars.

B. Relative Distribution and Significance Testing (CAHPS)

This method is applied to determine valid star cut points for CAHPS measures. In order to account for the reliability of scores produced from the CAHPS survey, the method combines evaluating the relative percentile distribution with significance testing. For example, to obtain 5 stars, a contract's CAHPS measure score needs to be ranked at least at the 80th percentile and be statistically significantly higher than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error above the 80th percentile. To obtain 1 star, a contract's CAHPS measure score needs to be ranked below the 15th percentile and be statistically significantly lower than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error below the 15th percentile.

Methodology for Calculating Stars at the Domain Level

A domain rating is the average, unweighted mean, of the domain's measure stars. To receive a domain rating, a contract must meet or exceed the minimum number of rated measures required for the domain. The minimum number of rated measures required for a domain is determined based on whether the total number of measures in the domain for a contract type is odd or even:

- If the total number of measures that comprise the domain for a contract type is odd, divide the number of measures in the domain by two and round the quotient to the next whole number.
 - Example: If the total number of measures required in a domain for a contract type is 3, the value 3 is divided by 2. The quotient, in this case 1.5, is then rounded to the next whole number. To receive a domain rating, the contract must have a Star Rating for at least 2 of the 3 required measures.
- If the total number of measures that comprise the domain for a contract type is even, divide the number of measures in the domain by two and add one to the quotient.
 - Example: If the total number of measures required in a domain for a contract type is 6, the value 6 is divided by 2. In this example, 1 is then added to the quotient of 3. To receive a domain rating, the contract must have a Star Rating for at least 4 of the 6 required measures.

Table 5 details the minimum number of rated measures required for a domain rating by contract type.

Table 5: Minimum Number of Rated Measures Required for a Domain Rating by Contract Type

Part	Domain Name (Identifier)	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	Staying Healthy: Screenings, Tests and Vaccines (HD1)	3 of 4	3 of 4	3 of 4	2 of 2	3 of 4	N/A	3 of 4
C	Managing Chronic (Long Term) Conditions (HD2)	5 of 8	6 of 11	8 of 14	6 of 10	6 of 11	N/A	6 of 11
C	Member Experience with Health Plan (HD3)	4 of 6	4 of 6	4 of 6	N/A	4 of 6	N/A	4 of 6
C	Member Complaints and Changes in the Health Plan's Performance (HD4)	2 of 3	2 of 3	2 of 3	2 of 3	2 of 3	N/A	2 of 3
C	Health Plan Customer Service (HD5)	2 of 2	2 of 3	2 of 3	2 of 3	2 of 2	N/A	2 of 3
D	Drug Plan Customer Service (DD1)	N/A*	1 of 1	1 of 1	1 of 1	N/A	1 of 1	1 of 1*
D	Member Complaints and Changes in the Drug Plan's Performance (DD2)	2 of 3*	2 of 3	2 of 3	2 of 3	N/A	2 of 3	2 of 3*
D	Member Experience with the Drug Plan (DD3)	2 of 2*	2 of 2	2 of 2	N/A	N/A	2 of 2	2 of 2*
D	Drug Safety and Accuracy of Drug Pricing (DD4)	4 of 6*	4 of 6	4 of 6	4 of 6	N/A	4 of 6	4 of 6*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts that offer drug benefits and which do not submit data for the MPF measure must have a rating in 3 out of 5 Drug Safety and Accuracy of Drug Pricing (DD4) measures to receive a rating in that domain.

Summary and Overall Ratings: Weighting of Measures

The summary and overall ratings are calculated as weighted averages of the measure stars. For the 2025 Star Ratings, CMS assigns the highest weight to the improvement measures, followed by patient experience/complaints and access measures, then by outcome and intermediate outcome measures, and finally process measures. New measures included in the Star Ratings are given a weight of 1 for their first year of inclusion in the ratings; in subsequent years the weight associated with the measure weighting category is used. The weights assigned to each measure and their weighting category are shown in [Attachment G](#).

In calculating the summary and overall ratings, a measure given a weight of 3 counts three times as much as a measure given a weight of 1. For any given contract, any measure without a rating is not included in the calculation. The first step in the calculation is to multiply each measure's weight by the measure's rating and sum these results. The second step is to divide this sum by the sum of the weights of the contract's rated measures. For the summary and overall ratings, half stars are assigned to allow for more variation across contracts.

Methodology for Calculating Part C and Part D Summary Ratings

The Part C and Part D summary ratings are calculated by taking a weighted average of the measure stars for Parts C and D, respectively. To receive a Part C and/or Part D summary rating, a contract must meet the minimum number of rated measures. The Parts C and D improvement measures are not included in the count of the minimum number of rated measures. The minimum number of rated measures required is determined as follows:

- If the total number of measures required for the organization type is odd, divide the number by two and round it to a whole number.
 - Example: if there are 13 required Part D measures for the organization, $13 / 2 = 6.5$, when rounded the result is 7. The contract needs at least 7 measures with ratings out of the 13 total measures to receive a Part D summary rating.
- If the total number of measures required for the organization type is even, divide the number of measures by two.
 - Example: if there are 30 required Part C measures for the organization, $30 / 2 = 15$. The contract needs at least 15 measures with ratings out of the 30 total measures to receive a Part C summary rating.

Table 6 shows the minimum number of rated measures required by each contract type to receive a summary rating.

Table 6: Minimum Number of Rated Measures Required for Part C and Part D Ratings by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Part C summary	11 of 22	13 of 26	15 of 29	9 of 17	13 of 25	N/A	13 of 26
Part D summary	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 5 out of 9 measures to receive a Part D rating.

Methodology for Calculating the Overall MA-PD Rating

For MA-PDs to receive an overall rating, the contract must have stars assigned to both the Part C and Part D summary ratings. If an MA-PD contract has only one of the two required summary ratings, the overall rating will show as “Not enough data available.”

The overall rating for a MA-PD contract is calculated using a weighted average of the Part C and Part D measure stars. The weights assigned to each measure are shown in [Attachment G](#).

There are a total of 42 measures (30 in Part C, 12 in Part D) in the 2025 Star Ratings. The following two measures are contained in both the Part C and D measure lists:

- Complaints about the Health/Drug Plan (CTM)
- Members Choosing to Leave the Plan (MCLP)

These measures share the same data source, so CMS includes only one instance of each of these two measures in the calculation of the overall rating. In addition, the Part C and D improvement measures are not included in the count for the minimum number of measures. Therefore, a total of 38 distinct measures plus the two improvement measures are used in the calculation of the overall rating.

The minimum number of rated measures required for an overall MA-PD rating is determined using the same methodology as for the Part C and D summary ratings. Table 7 provides the minimum number of rated measures required for an overall Star Rating by contract type.

Table 7: Minimum Number of Rated Measures Required for an Overall Rating by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Overall Rating	15 of 30*	18 of 35	19 of 38	12 of 24	N/A	N/A	18 of 35*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 15 out of 29 measures to receive an overall rating.

The overall and summary Star Ratings are calculated based on the measures required to be collected and reported for the contract type being offered for the Star Ratings year. For example, the 2025 Star Ratings are calculated for the 2025 contract year using data primarily from measurement year 2023. If a contract offered a SNP PBP in measurement year 2023, but is no longer offering a SNP PBP for the 2025 contract year, the 2025 Star Ratings exclude the SNP-only measures and the contract is rated as “Coordinated Care Plan without SNP.”

Completing the Summary and Overall Rating Calculations

There are two adjustments made to the results of the summary and overall calculations described above. First, to reward consistently high performance, CMS utilizes both the mean and the variance of the measure stars to differentiate contracts for the summary and overall ratings. If a contract has both high and stable relative performance, a reward factor is added to the contract’s ratings. Details about the reward factor can be found in the section entitled “Applying the Reward Factor.” Second, the summary and overall ratings include a Categorical Adjustment Index (CAI) factor, which is added to or subtracted from a contract’s summary and overall ratings. Details about the CAI can be found in the section entitled “Categorical Adjustment Index (CAI).”

The summary and overall rating calculations are run twice, once including the improvement measures and once without including the improvement measures. Based on a comparison of the results of these two calculations a decision is made as to whether the improvement measures are to be included in calculating a contract’s final summary and overall ratings. Details about the application of the improvement measures can be found in the section entitled “Applying the Improvement Measure(s).”

Lastly, standard rounding rules are applied to convert the results of the final summary and overall ratings calculations into the publicly reported Star Ratings. Details about the rounding rules are presented in the section “Rounding Rules for Summary and Overall Ratings.”

Applying the Improvement Measure(s)

The Part C Improvement Measure - Health Plan Quality Improvement (C27) and the Part D Improvement Measure - Drug Plan Quality Improvement (D04) were introduced earlier in this document in the section entitled “Improvement Measures.” The measures and formulas for the improvement measures can be found in [Attachment I](#). This section discusses whether and how to apply the improvement measures in calculating a contract’s final summary and overall ratings.

Since high performing contracts have less room for improvement and consequently may have lower ratings on these measure(s), CMS has developed the following rules to not penalize contracts receiving 4 or more stars for their highest rating.

1. There are separate Part C and Part D improvement measures (C27 & D04) for MA-PD contracts.
 - a. C27 is used in calculating the Part C summary rating of an MA-PD contract.
 - b. D04 is used in calculating the Part D summary rating for an MA-PD contract.
 - c. Both improvement measures will be used when calculating the overall rating in step 3.
2. Calculate the overall rating for MA-PD contracts without including either improvement measure.
3. Calculate the overall rating for MA-PD contracts with both improvement measures included.
4. If an MA-PD contract in step 2 has 4 or more stars, compare the two overall ratings. If the rating in step 3 is less than the value in step 2, use the overall rating from step 2; otherwise use the result from step 3.
5. For all other MA-PD contracts, use the overall rating from step 3.

MA-Only Contracts

1. Only the Part C improvement measure (C27) is used for MA-Only contracts.
2. Calculate the Part C summary rating for MA-Only contracts without including the improvement measure.
3. Calculate the Part C summary rating for MA-Only contracts with the Part C improvement measure.
4. If an MA-Only contract in step 2 has 4 or more stars, compare the two Part C summary ratings. If the rating in step 3 is less than the value in step 2, use the Part C summary rating from step 2; otherwise use the result from step 3.
5. For all other MA-Only contracts, use the Part C summary rating from step 3.

PDP Contracts

1. Only the Part D improvement measure (D04) is used for PDP contracts.
2. Calculate the Part D summary rating for PDP contracts without including the improvement measure.
3. Calculate the Part D summary rating for PDP contracts with the Part D improvement measure.
4. If a PDP contract in step 2 has 4 or more stars, compare the two Part D summary ratings. If the rating in step 3 is less than the value in step 2, use the Part D summary rating from step 2; otherwise use the result from step 3.
5. For all other PDP contracts, use the Part D summary rating from step 3.

Applying the Reward Factor

The following represents the steps taken to calculate and include the reward factor (r-Factor) in the Star Ratings summary and overall ratings. These calculations are performed both with and without the improvement measures included.

- Calculate the mean and the variance of all of the individual quality and performance measure stars at the contract level.
 - The mean is equal to the summary or overall rating before the reward factor is applied, which is calculated as described in the section entitled “Weighting of Measures.”
 - Using weights in the variance calculation accounts for the relative importance of measures in the reward factor calculation. To incorporate the weights shown in [Attachment G](#) into the variance calculation of the available individual performance measures for a given contract, the steps are as follows:

- Subtract the summary or overall star from each performance measure's star; square the results; and multiply each squared result by the corresponding individual performance measure weight.
- Sum these results; call this 'SUMWX.'
- Set n equal to the number of individual performance measures available for the given contract.
- Set W equal to the sum of the weights assigned to the n individual performance measures available for the given contract.
- The weighted variance for the given contract is calculated as: $n * \text{SUMWX} / (W * (n-1))$. For the complete formula, please see [Attachment H: Calculation of Weighted Star Rating and Variance Estimates](#).
- Categorize the variance into three categories:
 - low (0 to < 30th percentile),
 - medium ($\geq$ 30th to < 70th percentile) and
 - high ($\geq$ 70th percentile)
- Develop the reward factor as follows:
 - r-Factor = 0.4 (for contract w/ low variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.3 (for contract w/ medium variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.2 (for contract w/ low variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))
 - r-Factor = 0.1 (for contract w/ medium variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))
 - r-Factor = 0.0 (for all other contracts)

Tables 8 and 9 show the final threshold values used in reward factor calculations for the 2025 Star Ratings.

Table 8: Performance Summary Thresholds

Improvement	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
With	65 th	3.703125	3.666667	3.535714	3.646465
With	85 th	4.014493	4.000000	4.035714	3.949495
Without	65 th	3.707692	3.718750	3.687500	3.662921
Without	85 th	4.044118	4.062500	4.173913	3.977528

Table 9: Variance Thresholds

Improvement	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
With	30 th	0.820452	0.742679	0.847865	0.828220
With	70 th	1.275376	1.268610	1.533170	1.240423
Without	30 th	0.807024	0.654297	0.717578	0.795388
Without	70 th	1.256410	1.210645	1.508203	1.216635

Categorical Adjustment Index (CAI)

CMS has implemented an analytical adjustment called the Categorical Adjustment Index (CAI). The CAI is a factor that is added to or subtracted from a contract's Overall and/or Summary Star Ratings to adjust for the

average within-contract disparity in performance for Low Income Subsidy/Dual Eligible (LIS/DE) beneficiaries and disabled beneficiaries. The CAI value (factor) depends on the contract's percentage of beneficiaries with LIS/DE and the contract's percentage of beneficiaries with disabled status. These adjustments are performed both with and without the improvement measures included. The value of the CAI varies by the contract's percentage of beneficiaries with LIS/DE and disability status.

The CAI values use data collected for the 2024 Star Ratings. To calculate the CAI, case-mix adjustment is applied to all clinical Star Rating measure scores that are not adjusted for SES using a beneficiary-level logistic regression model with contract fixed effects and beneficiary-level indicators of LIS/DE and disability status, similar to the approach currently used to adjust CAHPS patient experience measures. However, unlike CAHPS case-mix adjustment, the only adjusters are LIS/DE and disability status. Adjusted measure scores are then converted to measure stars using the 2024 rating year measure cutoffs and used to calculate Adjusted Overall and Summary Star Ratings. Unadjusted Overall and Summary Star Ratings are also determined for each contract.

The 2024 measures used in the 2025 CAI adjustment calculations are:

- Breast Cancer Screening (Part C)
- Colorectal Cancer Screening (Part C)
- Annual Flu Vaccine (Part C)
- Monitoring Physical Activity (Part C)
- Osteoporosis Management in Women who had a Fracture (Part C)
- Diabetes Care – Eye Exam (Part C)
- Diabetes Care – Blood Sugar Controlled (Part C)
- Controlling Blood Pressure (Part C)
- Reducing the Risk of Falling (Part C)
- Improving Bladder Control (Part C)
- Medication Reconciliation Post-Discharge (Part C)
- Plan All-Cause Readmissions (Part C)
- Statin Therapy for Patients with Cardiovascular Disease (Part C)
- Transitions of Care (Part C)
- Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions (Part C)
- Medication Adherence for Diabetes Medication (Part D)
- Medication Adherence for Hypertension (RAS antagonists) (Part D)
- Medication Adherence for Cholesterol (Statins) (Part D)
- MTM Program Completion Rate for CMR (Part D)
- Statin Use in Patients with Diabetes (SUPD) (Part D)

To determine the value of the CAI, contracts are first divided into an initial set of categories based on the combination of a contract's LIS/DE and disability percentages. For the adjustment for the overall and summary ratings for MA-Only and MA-PD contracts, the initial groups are formed by the ten groups of LIS/DE and quintiles of disability, thus resulting in 50 initial categories. For PDPs, the initial groups are formed using quartiles for both LIS/DE and disability. The mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts in each initial category are determined and examined. The initial categories are collapsed to form final adjustment groups. The CAI values are the mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts within each final adjustment group. Separate CAI values are computed for the overall and summary

ratings, and the rating-specific CAI value is the same for all contracts that fall within the same final adjustment category.

The categorization of contracts into final adjustment categories for the CAI relies on both the use of a contract's percentages of LIS/DE and disabled beneficiaries. Categories were chosen to enforce monotonicity. Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI. Details regarding the methodology for the Puerto Rico model are provided in [Attachment O](#).

Tables 10 and 11 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the determination of the CAI values for the Overall Rating. For example, if a contract's percentage of LIS/DE beneficiaries is 13.60%, the contract's LIS/DE initial group would be L4. The upper limit for each initial category is only included for the highest categories (L10 and D5), and the upper limit is equal to 100% for both of these categories.

Table 10: Categorization of Contract's Members into LIS/DE Initial Groups for the Overall Rating

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 6.130891
2	6.130891 to less than 9.037945
3	9.037945 to less than 13.131086
4	13.131086 to less than 18.030927
5	18.030927 to less than 25.257942
6	25.257942 to less than 35.188560
7	35.188560 to less than 50.161404
8	50.161404 to less than 79.983090
9	79.983090 to less than 100.000000
10	100.000000

Table 11: Categorization of Contract's Members into Disability Quintiles for the Overall Rating

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 14.607385
2	14.607385 to less than 21.923598
3	21.923598 to less than 31.057866
4	31.057866 to less than 44.050502
5	44.050502 to 100.000000

Table 12 provides the description of each of the final adjustment categories and the associated value of the CAI per category for the overall rating.

Table 12: Final Adjustment Categories and CAI Values for the Overall Rating

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1- L2 L1	D1 D2	-0.058127
2	L1- L2 L2-L3 L3	D3 D2 D1	-0.033597
3	L4-L6 L4-L5	D1 D2	-0.014802
4	L1-L5 L3-L6 L6-L7 L7-L8	D4-D5 D3 D2 D1	0.002506
5	L6-L7 L7-L9 L8 L9-L10	D4-D5 D3 D2 D1-D2	0.045230
6	L8 L9-L10 L10	D4-D5 D4 D3	0.064707
7	L9	D5	0.112056
8	L10	D5	0.134761

Tables 13 and 14 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the initial categories for the determination of the CAI values for the Part C summary.

Table 13: Categorization of Contract's Members into LIS/DE Initial Groups for the Part C Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 5.855856
2	5.855856 to less than 8.734793
3	8.734793 to less than 12.640171
4	12.640171 to less than 17.492877
5	17.492877 to less than 24.793782
6	24.793782 to less than 34.766754
7	34.766754 to less than 49.936168
8	49.936168 to less than 79.344262
9	79.344262 to less than 100.000000
10	100.000000

Table 14: Categorization of Contract's Members into Disability Quintiles for the Part C Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 14.372597
2	14.372597 to less than 21.743800
3	21.743800 to less than 30.716563
4	30.716563 to less than 44.001563
5	44.001563 to 100.000000

Table 15 provides the description of each of the final adjustment categories for the Part C summary and the associated value of the CAI for each final adjustment category.

Table 15: Final Adjustment Categories and CAI Values for the Part C Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1	-0.037897
2	L2 L1-L2	D1 D2-D3	-0.025930
3	L3-L4	D1-D2	-0.013018
4	L5-L8 L5-L7 L3-L7 L1-L5	D1 D2 D3 D4-D5	0.004257
5	L6-L7	D4-D5	0.023880
6	L8 L9-10 L9	D2-D5 D1-D2 D3	0.038923
7	L9 L10	D4-D5 D3-D4	0.078480
8	L10	D5	0.094759

Tables 16 and 17 provide the range of the percentages that correspond to the LIS/DE initial groups and the disability quintiles for the initial categories for the determination of the CAI values for the Part D summary rating for MA-PDs.

Table 16: Categorization of Contract's Members into LIS/DE Initial Groups for the MA-PD Part D Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 6.229975
2	6.229975 to less than 9.567309
3	9.567309 to less than 14.176508
4	14.176508 to less than 19.916254
5	19.916254 to less than 27.960199
6	27.960199 to less than 40.979534
7	40.979534 to less than 59.964116
8	59.964116 to less than 91.207503
9	91.207503 to less than 100.000000
10	100.000000

Table 17: Categorization of Contract's Members into Disability Quintiles for the MA-PD Part D Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 14.987453
2	14.987453 to less than 22.882693
3	22.882693 to less than 32.500000
4	32.500000 to less than 45.560408
5	45.560408 to 100.000000

Table 18 provides the description of each of the final adjustment categories for the MA-PD Part D summary and the associated values of the CAI for each final adjustment category.

Table 18: Final Adjustment Categories and CAI Values for the MA-PD Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L4 L1	D1 D2	-0.048532
2	L2-L4	D2	-0.031119
3	L1-L5 L5-L8 L9-L10	D3 D1-D2 D1	-0.002424
4	L1-L6 L6-L8	D4-D5 D3	0.022709
5	L7-L8 L9-L10	D4-D5 D2-D4	0.074098
6	L9-L10	D5	0.126344

Tables 19 and 20 provide the range of the percentages that correspond to the LIS/DE and disability quartiles for the initial categories for the determination of the CAI values for the PDP Part D summary. Quartiles are used for both dimensions due to the limited number of PDPs as compared to MA-PD contracts.

Table 19: Categorization of Contract's Members into Quartiles of LIS/DE for the PDP Part D Summary

LIS/DE Quartile	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 1.542070
2	1.542070 to less than 3.159360
3	3.159360 to less than 8.410224
4	8.410224 to 100.000000

Table 20: Categorization of Contract's Members into Quartiles of Disability for the PDP Part D Summary

Disability Quartile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 6.593595
2	6.593595 to less than 10.621062
3	10.621062 to less than 14.589481
4	14.589481 to 100.000000

Table 21 provides the description of each of the final adjustment categories for the PDP Part D summary and the associated value of the CAI per final adjustment category. Note that the CAI values for the PDP Part D summary are different from the CAI values for the MA-PD Part D summary. There are three final adjustment categories for the PDP Part D summary.

Table 21: Final Adjustment Categories and CAI Values for the PDP Part D Summary

Final Adjustment Category	LIS/DE Quartile	Disability Quartile	CAI Value
1	L1-L2	D1-D2	-0.230036
2	L1-L3 L3-L4	D3-D4 D1-D2	-0.081240
3	L4	D3-D4	0.004293

Calculation Precision

CMS and its contractors have always used software called SAS (an integrated system of software products provided by SAS Institute Inc.) to perform the calculations used in producing the Star Ratings. For all measures, except the improvement measures, the precision used in scoring the measure is indicated next to the label “Data Display” within the detailed description of each measure. The improvement measures are discussed below. The domain ratings are the unweighted average of the star measures and are rounded to the nearest integer. The improvement measures, summary, and overall ratings are calculated with at least six digits of precision after the decimal whenever the data allow it. The HEDIS measure scores have two digits of precision after the decimal. All other measures have at least six digits of precision when used in the improvement calculation.

Contracts may request a contract-specific calculation spreadsheet which emulates the actual SAS calculations from the Star Ratings mailbox during the second plan preview.

It is not possible to replicate CMS's calculations exactly due to factors including, but not limited to: using published measure data from sources other than CMS's Star Rating program which use different rounding rules, and exclusion of some contracts' ratings from publicly-posted data (e.g., terminated contracts).

Rounding Rules for Measure Scores

Measure scores are rounded to the precision indicated next to the label “Data Display” within the detailed description of each measure. Measure scores are rounded using traditional rounding rules. These are standard “round to nearest” rules prior to cut point analysis. To obtain a value with the specified level of precision, the single digit following the level of precision will be rounded. If the digit to be rounded is 0, 1, 2, 3 or 4, the value

is rounded down, with no adjustment to the preceding digit. If the digit to be rounded is 5, 6, 7, 8 or 9, the value is rounded up, and a value of one is added to the preceding digit. After rounding, all digits after the specified level of precision are removed. If rounding to a whole number, the digit to be rounded is in the first decimal place. If the digit in the first decimal place is below 5, then after rounding the whole number remains unchanged and fractional parts of the number are deleted. If the digit in the first decimal place is 5 or greater, then the whole number is rounded up by adding a value of 1 and fractional parts of the number are deleted. For example, a measure listed with a Data Display of “Percentage with no decimal point” that has a value of 83.499999 rounds down to 83, while a value of 83.500000 rounds up to 84.

Rounding Rules for Summary and Overall Ratings

The results of the summary and overall calculations are rounded to the nearest half star (i.e., 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0). Table 22 summarizes the rounding rules for converting the Part C and D summary and overall ratings into the publicly reported Star Ratings.

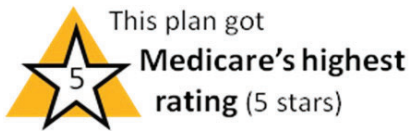
Table 22: Rounding Rules for Summary and Overall Ratings

Raw Summary / Overall Score	Final Summary / Overall Rating
≥ 0.000000 and < 0.250000	0
≥ 0.250000 and < 0.750000	0.5
≥ 0.750000 and < 1.250000	1.0
≥ 1.250000 and < 1.750000	1.5
≥ 1.750000 and < 2.250000	2.0
≥ 2.250000 and < 2.750000	2.5
≥ 2.750000 and < 3.250000	3.0
≥ 3.250000 and < 3.750000	3.5
≥ 3.750000 and < 4.250000	4.0
≥ 4.250000 and < 4.750000	4.5
≥ 4.750000 and ≤ 5.000000	5.0

For example, a summary or overall rating of 3.749999 rounds down to a rating of 3.5, and a rating of 3.750000 rounds up to rating of 4. That is, a score would need to be at least halfway between 3.5 and 4 (having a minimum value of 3.750000) in order to obtain the higher rating of 4.

Methodology for Calculating the High Performing Icon

A contract may receive a high performing icon as a result of its performance on the Parts C and/or D measures. The high performing icon is assigned to an MA-Only contract for achieving a 5-star Part C summary rating, a PDP contract for a 5-star Part D summary rating, and an MA-PD contract for a 5-star overall rating. Figure 3 shows the high performing icon used in the MPF:



Methodology for Calculating the Low Performing Icon

A contract can receive a low performing icon as a result of its performance on the Part C and/or Part D summary ratings. The low performing icon is calculated by evaluating the Part C and Part D summary ratings for the current year and the past two years (i.e., the 2023, 2024, and 2025 Star Ratings). If the contract had any combination of Part C and/or Part D summary ratings of 2.5 or lower in all three years of data, it is marked with a low performing icon (LPI). A contract must have a rating in either Part C and/or Part D for all three years to be considered for this icon.

Figure 4 shows the low performing contract icon used in the MPF:

Figure 4: The Low Performing Icon



Table 23 shows example contracts which would receive an LPI.

Table 23: Example LPI Contracts

Contract/Rating	Rated As	2023 C	2024 C	2025 C	2023 D	2024 D	2025 D	LPI Awarded	LPI Reason
HAAAA	MA-PD	2	2.5	2.5	3	3	3	Yes	Part C
HBBBB	MA-PD	3	3	3	2.5	2	2.5	Yes	Part D
HCCCC	MA-PD	2.5	3	3	3	2.5	2.5	Yes	Part C or D
HDDDD	MA-PD	3	2.5	3	2.5	3	2.5	Yes	Part C or D
HEEEE	MA-PD	2.5	2	2.5	2	2.5	2.5	Yes	Part C and D
HFFFF	MA-Only	2.5	2	2.5	-	-	-	Yes	Part C
SAAAA	PDP	-	-	-	2.5	2.5	2	Yes	Part D

Mergers, Novations, and Consolidations

This section covers how the Star Ratings are affected by mergers, novation and consolidations. To ensure a common understanding, we begin by defining each of the terms.

- **Merger:** when two (or more) companies join together to become a single business. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to Medicare beneficiaries. After the merger, all of those individual contracts with CMS are still intact, only the ownership changes in each of the contracts to the name of the new single business. Mergers can occur at any time during a contract year.
- **Novation:** when one company acquires another company. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to beneficiaries. After the novation, all of those individual contracts with CMS are still intact. The owner's names of the contracts acquired are changed to the new owner's name. Novations can occur at any time during the contract year.

- Consolidation: when an organization/sponsor that has at least two contracts with CMS for offering health and/or drug services to beneficiaries combines multiple contracts into a single contract with CMS. Consolidations occur only at the change of the contract year. The one or more contracts that will no longer exist at contract year's end are known as the consumed contracts. The contract that will still exist is known as the surviving contract and all of the beneficiaries still enrolled in the consumed contract(s) are moved to the surviving contract.

Mergers and novations do not change the ratings earned by an individual contract in any way.

For a merger or novation, the only change is the company listed as owning the contract; there is no change in contract structure, so the Star Ratings earned by the contract remains with them until the next rating cycle. This includes any High Performing or Low Performing icons earned by any of the contracts.

Consolidations become effective the first day of the calendar year. The Star Ratings are released the previous October so they are available when open enrollment begins. In the first year following a consolidation, the measure values used in calculating the Star Ratings of the surviving contract will be based on the enrollment-weighted mean of all contracts in the consolidation (see [Attachment B](#)). The surviving contract's ratings are posted publicly, used in determining QBP ratings, and included in the Past Performance Analysis.

Reliability Requirement for Low-enrollment Contracts

HEDIS measures for contracts whose enrollment as of July 2023 was at least 500 but less than 1,000 will be included in the Star Ratings in 2025 when the contract-specific measure score reliability is equal to or greater than 0.7. The reliability calculations are implemented using SAS PROC MIXED as documented on pages 31-32 of the report "The Reliability of Provider Profiling – A Tutorial," available at https://www.rand.org/pubs/technical_reports/TR653.html.

The within-contract variance for the Transitions of Care composite measure utilizes a different formula than other HEDIS pass/fail measures because it is an average of four component measures. First, the binomial variances and standard deviations (i.e. the square root of a variance term), as discussed in the report "The Reliability of Provider Profiling – A Tutorial", are calculated for each of the four component measures. Next, pairwise correlations are computed among the four component measures. Pairwise covariance terms among the four component measures are calculated by multiplying the respective pairwise correlation and two items' standard deviations together. The final within-contract variance for the Transitions of Care composite measure is computed by summing the four variance terms and each pairwise covariance term multiplied by 2.0.

Special Needs Plan (SNP) Data

A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP). Further details on SNP plans can be found in the glossary, [Attachment R](#).

CMS has included three SNP-specific measures in the 2025 Star Ratings. The Part C 'Special Needs Plan Care Management' measure is based on data reported by contracts through the Medicare Part C Reporting Requirements. The two Part C 'Care for Older Adults' measures are based on HEDIS data. The data for all of these measures are reported at the plan benefit package (PBP) level, while the Star Ratings are reported at the contract level.

The methodology used to combine the PBP data to the contract level is different between the two data sources. The Part C Reporting Requirements data are summed into a contract-level rate after excluding PBPs that do not map to any PBP offered by the contract in the calendar year for which the Reporting Requirements data underwent data validation. The HEDIS data are summed into a contract-level rate as long as the contract will be offering a SNP PBP in the Star Ratings year.

The two methodologies used to combine the PBP data within a contract for these measures are described further in [Attachment E](#).

Star Ratings and Marketing

Plan sponsors must ensure the Star Ratings document and all marketing of Star Ratings information is compliant with CMS's Medicare Marketing Guidelines. Failure to follow CMS's guidance may result in compliance action against the contract. The Medicare Marketing Guidelines were issued as Chapters 2 and 3 of the Prescription Drug Benefit Manual and the Medicare Managed Care Manual, respectively. Please direct questions about marketing Star Ratings information to your Account Manager.

Contact Information

The contact below can assist you with various aspects of the Star Ratings.

- Part C & D Star Ratings: PartCandDStarRatings@cms.hhs.gov

If you have questions or require information about the specific subject areas associated with the Star Ratings please write to those contacts directly and cc the Part C & D Star Ratings mailbox.

- CAHPS (MA & Part D): MP-CAHPS@cms.hhs.gov
- Call Center Monitoring: CallCenterMonitoring@cms.hhs.gov
- Compliance Activity Module issues (Part C): PartCCompliance@cms.hhs.gov
- Compliance Activity Module issues (Part D): PartD_Monitoring@cms.hhs.gov
- Demonstration (Medicare-Medicaid Plan) Ratings: mmcocapsmodel@cms.hhs.gov
- Disenrollment Reasons Survey: DisenrollSurvey@cms.hhs.gov
- HEDIS: HEDISquestions@cms.hhs.gov
- HOS: HOS@cms.hhs.gov
- HPMS Access issues: HPMS_Access@cms.hhs.gov
- HPMS Help Desk (all other HPMS issues): HPMS@cms.hhs.gov
- Marketing: marketing@cms.hhs.gov
- Part C Compliance Activity issues: PartCCompliance@cms.hhs.gov
- Part D Compliance Activity issues: PartD_Monitoring@cms.hhs.gov
- Plan Reporting (Part C): Partcplanreporting@cms.hhs.gov
- Plan Reporting (Part D): Partd-planreporting@cms.hhs.gov
- Plan Reporting Data Validation (Part C & D): PartCandD_Data_Validation@cms.hhs.gov

- QBP Ratings and Appeals questions: QBPAppeals@cms.hhs.gov
- QBP Payment or Risk Analysis questions: riskadjustment@cms.hhs.gov

This page contains the formatting framework and definition of each sub-section that is used to describe the domain and measure details on the following pages.

Domain: The name of the domain to which the measures following this heading belong

Measure: The measure ID and common name of the ratings measure

Title	Description
Label for Stars:	The label that appears with the stars for this measure on Medicare.gov.
Label for Data:	The label that appears with the numeric data for this measure on HPMS and CMS.gov.
Description:	The English language description shown for the measure on Medicare.gov. The text in this sub-section has been prepared to aid beneficiaries' understanding of the nature and the purpose of the measure. We strongly encourage any public-facing explanation of the measure to use this description.
HEDIS Label:	Optional – contains the full NCQA HEDIS measure name.
Measure Reference:	Optional – this sub-section contains the location of the detailed measure specification in the NCQA documentation for all HEDIS and HEDIS-HOS measures.
Metric:	Defines how the measure is calculated.
Primary Data Source:	The primary source of the data used in the measure.
Data Source Description:	Optional – contains information about additional data sources needed for calculating the measure.
Data Source Category:	The category of this data source.
Exclusions:	Optional – lists any exclusions applied to the data used for the measure.
General Notes:	Optional – contains additional information about the measure and the data used.
Data Time Frame:	The time frame of data used from the data source. In some HEDIS measures this date range may appear to conflict with the specific data time frame defined in the NCQA Technical Specifications. In those cases, the data used by CMS are unchanged from what was submitted to NCQA. CMS uses the data time frame of the overall HEDIS submission which is the HEDIS measurement year.
General Trend:	Indicates whether high values are better or low values are better for the measure.
Statistical Method:	The methodology used for assigning stars in this measure; see the section entitled "Methodology for Assigning Part C and Part D Measure Star Ratings" for an explanation of each of the possible entries in this sub-section.
Improvement Measure:	Indicates whether this measure is included in the improvement measure.
CAI Usage:	Indicates if the measure is used in the Categorical Adjustment Index calculation.
Case-Mix Adjusted:	Indicates if the data are case mix adjusted prior to being used for the Star Ratings.

Title**Description**

Weighting Category: The weighting category of this measure.

Weighting Value: The numeric weight for this measure in the summary and overall rating calculations.

Meaningful Measure Area: Contains the area where this measure fits into the Meaningful Measure Framework.

CMIT #: The CMS Measure Inventory Tool (CMIT) is the repository of record for information about the measures which CMS uses to promote healthcare quality and quality improvement.

Data Display: The format used to the display the numeric data on Medicare.gov

Reporting Requirements: Table indicating which organization types are required to report the measure. “Yes” for organizations required to report; “No” for organizations not required to report.

Cut Points: Table containing the cut points used in the measure. For non-CAHPS measures, excluding new measures and measures with substantive specification changes that have been in the Part C and D Star Ratings for three years or less, the cut points are after the application of Tukey outlier deletion, mean resampling, and guardrails. New measures and measures with substantive specification changes that have been in the Part C and D Star Ratings program for three years or less, and the Health Plan Quality Improvement and Drug Plan Quality Improvement measure cut points are after the application of Tukey outlier deletion and mean resampling. For CAHPS measures, the table contains the base group cut points which are used prior to the final star assignment rules being applied.

See [Attachment C](#) for the national averages of individual Part C measures.

Domain: 1 - Staying Healthy: Screenings, Tests and Vaccines

Measure: C01 - Breast Cancer Screening

Title	Description

Label for Stars: Breast Cancer Screening

Label for Data: Breast Cancer Screening

Description: Percent of female plan members aged 52-74 who had a mammogram during the past two years.

HEDIS Label: Breast Cancer Screening (BCS)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 606

Metric: The percentage of women MA enrollees 50 to 74 years of age (denominator) as of December 31 of the measurement year who had a mammogram to screen for breast cancer in the past two years (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Members in hospice or using hospice services any time during the measurement period.
 - Members receiving palliative care any time during the measurement period.
 - Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
 - Members 66 years of age and older as of December 31 of the measurement year with frailty and advanced illness during the measurement year. Members must meet BOTH of the following frailty and advanced illness criteria to be excluded:
 - At least two indications of frailty with different dates of service during the measurement period.
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, or nonacute inpatient encounters or nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis. Visit type need not be the same for the two visits.
 - Members receiving palliative care during the measurement year
 - Members who had a bilateral mastectomy or both right and left unilateral mastectomies any time during the member's history through December 31 of the measurement year. Any of the following meet criteria for bilateral mastectomy:
 - Bilateral mastectomy.
 - Unilateral mastectomy with a bilateral modifier (same procedure).
 - Two unilateral mastectomies found in clinical data with a bilateral modifier (same procedure).

Title	Description
	– History of bilateral mastectomy. • Any combination of the following that indicate a mastectomy on both the left and right side on the same or on different dates of service: – Unilateral mastectomy with a right-side modifier (same procedure). – Unilateral mastectomy with a left-side modifier (same procedure). – Absence of the left breast. – Absence of the right breast. – Left unilateral mastectomy. – Right unilateral mastectomy. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure. Data Time Frame: 01/01/2023 – 12/31/2023 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters. Meaningful Measure Area: Wellness and Prevention CMIT #: 00093-02-C-PARTC Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 53 %	>= 53 % to < 67 %	>= 67 % to < 75 %	>= 75 % to < 82 %	>= 82 %

Measure: C02 - Colorectal Cancer Screening

Title	Description

Label for Stars: Colorectal Cancer Screening

Label for Data: Colorectal Cancer Screening

Description: Percent of plan members aged 50-75 who had appropriate screening for colon cancer.

HEDIS Label: Colorectal Cancer Screening (COL)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 102

Metric: The percentage of MA enrollees aged 50 to 75 (denominator) as of December 31 of the measurement year who had appropriate screenings for colorectal cancer (numerator).

Primary Data Source: HEDIS Patient-level Data

Data Source Category: Health and Drug Plans

Exclusions: • Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:

- Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
- Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.

• Members 66 years of age and older as of December 31 of the measurement year with frailty **and** advanced illness during the measurement year. Members must meet both of the frailty and advanced illness criteria to be excluded:

1. – At least two indications of frailty with different dates of service during the measurement year.
2. – Any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years):
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, nonacute inpatient encounters, or nonacute inpatient discharges. Visit type need not be the same for the two visits.
 - At least one acute inpatient encounter with an advanced illness diagnosis.
 - At least one acute inpatient discharge with an advanced illness diagnosis on the discharge claim.
 - A dispensed dementia medication.

• (Required) Exclude members who meet any of the following criteria:

- Members who had colorectal cancer or a total colectomy any time during the member's history through December 31 of the measurement year.
- Members receiving palliative care during the measurement year.
- Members in hospice or using hospice services during the measurement year.

Title**Description**

- Members receiving palliative care during the measurement year.
- Members who died during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00139-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 53 %	>= 53 % to < 65 %	>= 65 % to < 75 %	>= 75 % to < 83 %	>= 83 %

Measure: C03 - Annual Flu Vaccine

Title	Description
Label for Stars: Yearly Flu Vaccine	
Label for Data: Yearly Flu Vaccine	
Description: Percent of plan members who got a vaccine (flu shot).	
Metric: The percentage of sampled Medicare enrollees (denominator) who received an influenza vaccination (numerator).	
Primary Data Source: CAHPS	
Data Source Description: CAHPS Survey Question (question number varies depending on survey type):	
	• Have you had a flu shot since July 1, 2023?
Data Source Category: Survey of Enrollees	
General Notes: This measure is not case-mix adjusted.	
	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame: 03/2024 – 06/2024	
General Trend: Higher is better	
Statistical Method: Relative Distribution and Significance Testing	
Improvement Measure: Included	
CAI Usage: Included	
Case-Mix Adjusted: No	
Weighting Category: Process Measure	
Weighting Value: 1	
Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.	
Meaningful Measure Area: Wellness and Prevention	
CMIT #: 00259-01-C-PARTC	
Data Display: Percentage with no decimal place	

Title	Description					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	No	Yes	No
Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	
	< 61	>= 61 to < 65	>= 65 to < 71	>= 71 to < 76	>= 76	

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C04 - Monitoring Physical Activity

Title	Description

Label for Stars: Monitoring Physical Activity

Label for Data: Monitoring Physical Activity

Description: Percent of senior plan members who discussed exercise with their doctor and were advised to start, increase, or maintain their physical activity during the year.

HEDIS Label: Physical Activity in Older Adults (PAO)

Measure Reference: NCQA HEDIS Measurement Year 2022 Specifications for the Medicare Health Outcomes Survey Volume 6, page 36

Metric: The percentage of sampled Medicare members 65 years of age or older who had a doctor's visit in the past 12 months (denominator) and who received advice to start, increase or maintain their level exercise or physical activity (numerator).

Primary Data Source: HEDIS-HOS

Data Source Description: Cohort 24 Follow-up Data collection (2023) and Cohort 26 Baseline data collection (2023).

HOS Survey Question 42: In the past 12 months, did you talk with a doctor or other health provider about your level of exercise or physical activity? For example, a doctor or other health provider may ask if you exercise regularly or take part in physical exercise.

HOS Survey Question 43: In the past 12 months, did a doctor or other health care provider advise you to start, increase or maintain your level of exercise or physical activity? For example, in order to improve your health, your doctor or other health provider may advise you to start taking the stairs, increase walking from 10 to 20 minutes every day or to maintain your current exercise program.

Data Source Category: Survey of Enrollees

Exclusions: Members who responded "I had no visits in the past 12 months" to Question 42 are excluded from results calculations for Question 43. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 07/17/2023 – 11/01/2023

Title**Description**

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00450-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 41 %	>= 41 % to < 47 %	>= 47 % to < 52 %	>= 52 % to < 60 %	>= 60 %		

Domain: 2 - Managing Chronic (Long Term) Conditions**Measure: C05 - Special Needs Plan (SNP) Care Management****Title****Description**

Label for Stars: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Label for Data: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Description: Percent of members whose plan did an assessment of their health needs and risks in the past year. The results of this review are used to help the member get the care they need. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

Metric: This measure is defined as the percent of eligible Special Needs Plan (SNP) enrollees who received a health risk assessment (HRA) during the measurement year. The denominator for this measure is the sum of the number of new enrollees due for an Initial HRA (Element A) and the number of enrollees eligible for an annual reassessment HRA (Element B). The numerator for this measure is the sum of the number of initial HRAs performed on new enrollees (Element C) and the number of annual reassessments performed on enrollees eligible for a reassessment (Element F). The equation for calculating the SNP Care Management Assessment Rate is:

$$\frac{\begin{aligned} &[\text{Number of initial HRAs performed on new enrollees (Element C)} \\ &+ \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ &/ [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ &+ \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}}$$

Primary Data Source: Part C Plan Reporting

Data Source Description: Data reported by contracts to CMS per the 2023 Part C Reporting Requirements. Validation for data performed during the 2024 Data Validation cycle (data pulled June 2023). Validation of these data was performed retrospectively during the 2024 data validation cycle (deadline June 15, 2024 and data validation results pulled July 2024).

Data Source Category: Health and Drug Plans

Exclusions: Contracts and PBPs with an effective termination date on or before the deadline to submit data validation results to CMS (June 15, 2024) are excluded and listed as "No data available."

SNP Care Management Assessment Rates are not provided for contracts that did not score at least 95% on data validation for the SNP Care Management reporting section or were not compliant with data validation standards/sub-standards for any of the following SNP Care Management data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- Number of new enrollees due for an initial HRA (Element A)
- Number of enrollees eligible for an annual reassessment HRA (Element B)
- Number of initial HRAs performed on new enrollees (Element C)

Title

Description

- Number of annual reassessments performed on enrollees eligible for reassessment (Element F)

Contracts excluded from the SNP Care Management Assessment Rates due to data validation issues are shown as “CMS identified issues with this plan’s data.”

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select “Monitoring,” then “Plan Reporting Data Validation.” Select the appropriate contract year. Select the PRDVM Reports. Select “Score Detail Report.” Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 30 or more enrollees in the denominator [Number of new enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual HRA (Element B) $\geq$ 30] in order to have a calculated rate. Contracts with fewer than 30 eligible enrollees are listed as “No data available.”

General Notes: More information about the data used to calculate this measure can be found in [Attachment E](#).

The Part C reporting requirement fields listed below are not used in calculating this measure:

- Data Element D Number of initial HRA refusals
- Data Element E Number of initial HRAs where SNP is unable to reach new enrollees
- Data Element G Number of annual reassessment refusals
- Data Element H Number of annual reassessments where SNP is unable to reach enrollee

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

Title

Description

CMIT #: 00685-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 46 %	>= 46 % to < 62 %	>= 62 % to < 76 %	>= 76 % to < 89 %	>= 89 %

Measure: C06 - Care for Older Adults – Medication Review

Title

Description

Label for Stars: Yearly Review of All Medications and Supplements Being Taken

Label for Data: Yearly Review of All Medications and Supplements Being Taken

Description: Percent of plan members whose doctor or clinical pharmacist reviewed a list of everything they take (prescription and non-prescription drugs, vitamins, herbal remedies, other supplements) at least once a year.
(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

HEDIS Label: Care for Older Adults (COA) – Medication Review

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 115

Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one medication review (Medication Review Value Set) conducted by a prescribing practitioner or clinical pharmacist during the measurement year and the presence of a medication list in the medical record (Medication List Value Set) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2023 SNP Comprehensive Report were excluded from this measure.

Exclude members in hospice or using hospice services or who died any time during the measurement year.

General Notes: The formula used to calculate this measure can be found in [Attachment E](#).

Data Time Frame: 01/01/2023 – 12/31/2023

Title	Description

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00110-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	No	Yes	Yes	No	No	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 53 %	>= 53 % to < 80 %	>= 80 % to < 92 %	>= 92 % to < 98 %	>= 98 %		

Measure: C07 - Care for Older Adults – Pain Assessment

Title	Description

Label for Stars: Yearly Pain Screening or Pain Management Plan

Label for Data: Yearly Pain Screening or Pain Management Plan

Description: Percent of plan members who had a pain screening at least once during the year. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

HEDIS Label: Care for Older Adults (COA) – Pain Screening

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 115

Title**Description**

Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one pain assessment (Pain Assessment Value Set) plan during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2023 SNP Comprehensive Report were excluded from this measure.

Exclude members in hospice or using hospice services or who died any time during the measurement year.

General Notes: The formula used to calculate this measure can be found in [Attachment E](#).

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00111-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	No	Yes	Yes	No	No	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 60 %	>= 60 % to < 81 %	>= 81 % to < 92 %	>= 92 % to < 96 %	>= 96 %		

Measure: C08 - Osteoporosis Management in Women who had a Fracture

Title	Description

Label for Stars: Osteoporosis Management

Label for Data: Osteoporosis Management

Description: Percent of female plan members who broke a bone and got screening or treatment for osteoporosis within 6 months.

HEDIS Label: Osteoporosis Management in Women Who Had a Fracture (OMW)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 232

Metric: The percentage of woman MA enrollees 67 - 85 who suffered a fracture (denominator) and who had either a bone mineral density (BMD) test or prescription for a drug to treat osteoporosis in the six months after the fracture (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Members who had a BMD test (Bone Mineral Density Tests Value Set) during the 730 days (24 months) prior to the IESD.
 - Members who had a claim/encounter for osteoporosis therapy (Osteoporosis Medications Value Set) during the 365 days (12 months) prior to the IESD.
 - Members who received a dispensed prescription or had an active prescription to treat osteoporosis (Osteoporosis Medications List) during the 365 days (12 months) prior to the IESD.
 - Members in hospice or using hospice services any time during the measurement year.
 - Members who died any time during the measurement year.
 - Members who received palliative care any time during the intake period through the end of the measurement year.
 - Members 67 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Members who are enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Members living long-term in an institution any time during the measurement year.
 - Members 67-80 years of age as of December 31 of the measurement year with frailty and advanced illness. Members must meet both of the following frailty and advanced illness criteria to be excluded:
 - At least two indications of frailty with different dates of service during the intake period through the end of the measurement year.
 - Any of the following during the measurement year or the year prior to the measurement year:
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, nonacute inpatient encounters or nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis.
 - At least one acute inpatient encounter with an advanced illness diagnosis.
 - At least on acute inpatient discharge with an advanced illness diagnosis on the discharge claim.

Title**Description**

- A dispenses dementia medication.

• Members 81 years of age and older as of December 31 of the measurement year with at least two indications of frailty with different dates of service during the intake period through the end of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00484-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 27 %	>= 27 % to < 39 %	>= 39 % to < 52 %	>= 52 % to < 71 %	>= 71 %		

Measure: C09 - Diabetes Care – Eye Exam

Title	Description

Label for Stars: Eye Exam to Check for Damage from Diabetes

Label for Data: Eye Exam to Check for Damage from Diabetes

Description: Percent of plan members with diabetes who had an eye exam to check for damage from diabetes during the year.

HEDIS Label: Eye Exam for Patients with Diabetes (EED)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 203

Metric: The percentage of diabetic MA enrollees age 18-75 with diabetes (type 1 and type 2) (denominator) who had an eye exam (retinal) performed during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
 - Members 66 years of age and older as of December 31 of the measurement year with both frailty and advanced illness during the measurement year. Members must meet both the following frailty and advanced illness criteria to be excluded:
 - At least two indications of frailty with different dates of service during the measurement year.
 - Any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years):
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, nonacute inpatient encounters, nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis.
 - At least one acute inpatient encounter with an advanced illness diagnosis.
 - At least one acute inpatient discharge with an advanced illness diagnosis on the discharge claim.
 - A dispensed dementia medication.
 - (Required) Exclude members who meet any of the following criteria:
 - Members who did not have a diagnosis of diabetes, in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes, in any setting, during the measurement year or the year prior to the measurement year.
 - Members in hospice or using hospice services any time during the measurement year.

Title**Description**

- Members who died any time during the measurement year.
- Members receiving palliative care any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00203-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 57 %	>= 57 % to < 70 %	>= 70 % to < 77 %	>= 77 % to < 83 %	>= 83 %

Measure: C10 - Diabetes Care – Blood Sugar Controlled

Title	Description

Label for Stars: Plan Members with Diabetes whose Blood Sugar is Under Control

Label for Data: Plan Members with Diabetes whose Blood Sugar is Under Control

Description: Percent of plan members with diabetes who had an A1c lab test during the year that showed their average blood sugar is under control.

HEDIS Label: Hemoglobin A1c Control for Patients with Diabetes (HBD) – HbA1c poor control (>9.0%)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees age 18-75 (denominator) whose most recent HbA1c level is greater than 9%, or who were not tested during the measurement year (numerator). (This measure for public reporting is reverse scored so higher scores are better.) To calculate this measure, subtract the submitted rate from 100.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: • Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:

- Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
- Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year with both frailty and advanced illness during the measurement year. Members must meet both the following frailty and advanced illness criteria to be excluded:

- At least two indications of frailty with different dates of service during the measurement year.
- Any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years):
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, nonacute inpatient encounters, or nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis.
 - At least one acute inpatient encounter with an advanced illness diagnosis.
 - At least one acute inpatient discharge with an advanced illness diagnosis on the discharge claim.
 - A dispensed dementia medication.

- (Required) Exclude members who meet any of the following criteria:
 - Members who did not have a diagnosis of diabetes, in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes, in any setting, during the measurement year or the year prior to the measurement year.

Title**Description**

- Members in hospice or using hospice services any time during the measurement year.
- Members who died any time during the measurement year.
- Members receiving palliative care any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00204-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 49 %	>= 49 % to < 72 %	>= 72 % to < 84 %	>= 84 % to < 90 %	>= 90 %

Measure: C11 - Controlling Blood Pressure

Title	Description

Label for Stars: Controlling Blood Pressure

Label for Data: Controlling Blood Pressure

Description: Percent of plan members with high blood pressure who got treatment and were able to maintain a healthy pressure.

HEDIS Label: Controlling High Blood Pressure (CBP)

Measure Reference: NCQA HEDIS MY 2023 Technical Specifications Volume 2, page 152

Metric: The percentage of MA members 18–85 years of age who had a diagnosis of hypertension (HTN) (denominator) and whose blood pressure (BP) was adequately controlled (<140/90 mm Hg) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
- Members 81 years of age and older as of December 31 of the measurement year with at least two indications of frailty with different dates of service during the measurement year.
- Members 66–80 years of age and older as of December 31 of the measurement year with frailty and advanced illness. Members must meet both of the following frailty and advanced illness criteria to be excluded:
 - At least two indications of frailty with different dates of service during the measurement year.
 - Any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years):
 - At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits or virtual check-ins, nonacute inpatient encounters, or nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis.
 - At least one acute inpatient encounter with an advanced illness diagnosis.
 - At least one acute inpatient discharge with an advanced illness diagnosis on the discharge claim.
 - A dispensed dementia medication.
- (Required) Exclude members who meet any of the following criteria:
 - • Members with evidence of end-stage renal

Title**Description**

disease (ESRD), dialysis, nephrectomy, or kidney transplant any time during the member's history on or prior to December 31 of the measurement year.

- • Members receiving palliative care during the measurement year.
- • Members with a diagnosis of pregnancy

during the measurement year.

- • Members in hospice or using hospice services any time during the measurement year.
- • Members who died any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcomes Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00167-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 69 %	>= 69 % to < 74 %	>= 74 % to < 80 %	>= 80 % to < 85 %	>= 85 %

Measure: C12 - Reducing the Risk of Falling

Title	Description
Label for Stars:	Reducing the Risk of Falling
Label for Data:	Reducing the Risk of Falling
Description:	Percent of plan members with a problem falling, walking, or balancing who discussed it with their doctor and received a recommendation for how to prevent falls during the year.
HEDIS Label:	Fall Risk Management (FRM)
Measure Reference:	NCQA HEDIS Measurement Year 2022 Specifications for the Medicare Health Outcomes Survey Volume 6, page 38
Metric:	The percentage of Medicare members 65 years of age and older who had a fall or had problems with balance or walking in the past 12 months, who were seen by a practitioner in the past 12 months (denominator) and who received a recommendation for how to prevent falls or treat problems with balance or walking from their current practitioner (numerator).
Primary Data Source:	HEDIS-HOS
Data Source Description:	Cohort 24 Follow-up Data collection (2023) and Cohort 26 Baseline data collection (2023).
	HOS Survey Question 44: A fall is when your body goes to the ground without being pushed. In the past 12 months, did you talk with your doctor or other health provider about falling or problems with balance or walking?
	HOS Survey Question 45: Did you fall in the past 12 months?
	HOS Survey Question 46: In the past 12 months have you had a problem with balance or walking?
	HOS Survey Question 47: Has your doctor or other health provider done anything to help prevent falls or treat problems with balance or walking? Some things they might do include:
	• Suggest that you use a cane or walker. • Suggest that you do an exercise or physical therapy program. • Suggest a vision or hearing test.
Data Source Category:	Survey of Enrollees
Exclusions:	Members who responded "I had no visits in the past 12 months" to Question 44 or Question 47 are excluded from results calculations. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.
Data Time Frame:	07/17/2023 – 11/01/2023
General Trend:	Higher is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Safety

CMIT #: 00646-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 50 %	>= 50 % to < 56 %	>= 56 % to < 63 %	>= 63 % to < 73 %	>= 73 %

Measure: C13 - Improving Bladder Control**Title****Description**

Label for Stars: Improving Bladder Control

Label for Data: Improving Bladder Control

Description: Percent of plan members with a urine leakage problem in the past 6 months who discussed treatment options with a provider.

HEDIS Label: Management of Urinary Incontinence in Older Adults (MUI)

Measure Reference: NCQA HEDIS Measurement Year 2022 Specifications for the Medicare Health Outcomes Survey Volume 6, page 33

Metric: The percentage of Medicare members 65 years of age or older who reported having any urine leakage in the past six months (denominator) and who discussed treatment options for their urinary incontinence with a provider (numerator).

Primary Data Source: HEDIS-HOS

Data Source Description: Cohort 24 Follow-up Data collection (2023) and Cohort 26 Baseline data collection (2023).

Title

Description

HOS Survey Question 38: Many people experience leaking of urine, also called urinary incontinence. In the past six months, have you experienced leaking of urine?

HOS Survey Question 41: There are many ways to control or manage the leaking of urine, including bladder training exercises, medication and surgery. Have you ever talked with a doctor, nurse, or other health care provider about any of these approaches?

Member choices must be as follows to be included in the denominator:

- Q38 = "Yes."
- Q41 = "Yes" or "No."

The numerator contains the number of members in the denominator who indicated they discussed treatment options for their urinary incontinence with a health care provider.

Member choice must be as follows to be included in the numerator:

- Q41 = "Yes."

Data Source Category: Survey of Enrollees

Exclusions: Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 07/17/2023 – 11/01/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00378-01-C-PARTC

Data Display: Percentage with no decimal place

Title	Description					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	No	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 39 %	>= 39 % to < 44 %	>= 44 % to < 48 %	>= 48 % to < 52 %	>= 52 %	

Measure: C14 - Medication Reconciliation Post-Discharge

Title	Description

Label for Stars: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Label for Data: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Description: This shows the percent of plan members whose medication records were updated within 30 days after leaving the hospital. To update the record, a doctor or other health care professional looks at the new medications prescribed in the hospital and compares them with the other medications the patient takes. Updating medication records can help to prevent errors that can occur when medications are changed.

HEDIS Label: Medication Reconciliation Post-Discharge (MRP)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 330

Metric: The percentage of discharges from January 1–December 1 of the measurement year for members 18 years of age and older for whom medications were reconciled the date of discharge through 30 days after discharge (31 total days).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Members in hospice or using hospice services any time during the measurement year.

Members who died any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

Title**Description**

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00441-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 42 %	>= 42 % to < 57 %	>= 57 % to < 73 %	>= 73 % to < 87 %	>= 87 %

Measure: C15 - Plan All-Cause Readmissions**Title****Description**

Label for Stars: Readmission to a Hospital within 30 Days of Being Discharged (more stars are better because it means fewer members are being readmitted)

Label for Data: Readmission to a Hospital within 30 Days of Being Discharged (lower percentages are better because it means fewer members are being readmitted)

Description: Percent of plan members aged 18 and older discharged from a hospital stay who were readmitted to a hospital within 30 days, either for the same condition as their recent hospital stay or for a different reason.
(Patients may have been readmitted back to the same hospital or to a different one. Rates of readmission take into account how sick patients were when they went into the hospital the first time. This "risk-adjustment" helps make the comparisons between plans fair and meaningful.)

HEDIS Label: Plan All-Cause Readmissions (PCR)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 498

Metric: The percentage of acute inpatient stays during the measurement year that were followed by an unplanned acute readmission for any diagnosis within 30 days, for members 18 years of age and older using the following formula to control for differences in the case mix of patients across different contracts.

For contract A, their case-mix adjusted readmission rate relative to the national average

Title**Description**

is the observed readmission rate for contract A divided by the expected readmission rate for contract A. This ratio is then multiplied by the national average observed rate.

See [Attachment F](#): Calculating Measure C15: Plan All-Cause Readmissions (18+) for the complete formula, example calculation and National Average Observation value used to complete this measure.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude hospital stays for the following reasons:

- The member died during the stay.
- Members with a principal diagnosis of pregnancy on the discharge claim.
- A principal diagnosis of a condition originating in the perinatal period on the discharge claim.

(Required) Exclude members in hospice or using hospice services any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

As listed in the HEDIS Technical Specifications. CMS has excluded contracts whose denominator was less than 150.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: Yes

Weighting Category: Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Admissions and Readmissions to Hospitals

Title

Description

CMIT #: 00561-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
> 14 %	> 12 % to <= 14 %	> 10 % to <= 12 %	> 8 % to <= 10 %	<= 8 %

Measure: C16 - Statin Therapy for Patients with Cardiovascular Disease

Title

Description

Label for Stars: The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol

Label for Data: The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol

Description: This rating is based on the percent of plan members with heart disease who get the right type of cholesterol-lowering drugs. Health plans can help make sure their members are prescribed medications that are more effective for them.

HEDIS Label: Statin Therapy for Patients with Cardiovascular Disease (SPC)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 168

Metric: The percentage of males 21–75 years of age and females 40–75 years of age during the measurement year, who were identified as having clinical atherosclerotic cardiovascular disease (ASCVD) (denominator) and were dispensed at least one high or moderate-intensity statin medication during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Pregnancy during the measurement year or year prior to the measurement year.
- In vitro fertilization in the measurement year or year prior to the measurement year.
- Dispensed at least one prescription for clomiphene (Table SPC-A) during the measurement year or the year prior to the measurement year.
- ESRD or dialysis during the measurement year or the year prior to the measurement year.
- Cirrhosis during the measurement year or the year prior to the measurement year.
- Myalgia, myositis, myopathy, or rhabdomyolysis during the measurement year.
- Members in hospice or using hospice services any time during the measurement year.
- Members who died any time during the measurement year.
- Members receiving palliative care any time during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.

Title	Description
	– Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year. • Members 66 years of age and older as of December 31 of the measurement year with frailty and advanced illness during the measurement year. Members must meet both of the following frailty and advanced illness criteria to be excluded: – At least two indications of frailty with different dates of service during the measurement year. – Any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years): 1. At least two outpatient visits, observation visits, ED visits, telephone visits, e-visits, virtual check-ins, nonacute inpatient encounters, or nonacute inpatient discharges on different dates of service, with an advanced illness diagnosis. Visit type need not be the same for the two visits. 2. At least one acute inpatient encounter with an advanced illness diagnosis. 3. At least one acute inpatient discharge with an advanced illness diagnosis on the discharge claim. 4. A dispensed dementia medication. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure. Data Time Frame: 01/01/2023 – 12/31/2023 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters. Meaningful Measure Area: Chronic Conditions CMIT #: 00700-01-C-PARTC

Title	Description

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	Yes	Yes	No	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< 81 %	>= 81 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %

Measure: C17 - Transitions of Care

Title	Description

Label for Stars: After hospital stay, members receive information and care they need

Label for Data: After hospital stay, members receive information and care they need

Description: This rating is based on the percent of plan members who got follow-up care after a hospital stay. Follow-up care includes: getting information about their health problem and what to do next, having a visit or call with a doctor, and having a doctor or pharmacist make sure the plan member's medication records are up to date.

HEDIS Label: Transitions of Care (TRC)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 330

Metric: The average of the rates for Transitions of Care - Medication Reconciliation Post-Discharge, Transitions of Care - Notification of Inpatient Admission, Transitions of Care - Patient Engagement After Inpatient Discharge, and Transitions of Care - Receipt of Discharge Information.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: If the discharge is followed by a readmission or direct transfer to an acute or nonacute inpatient care setting on the date of discharge through 30 days after discharge (31 days total), use the admit date from the first admission and the discharge date from the last discharge. To identify readmissions and direct transfers during the 31-day period:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay (the admission date must occur during the 31-day period).
3. Identify the discharge date for the stay (the discharge date is the event date).

If the admission dates and the discharge date for an acute inpatient stay occur between the admission and discharge dates for a nonacute inpatient stay, include only the nonacute inpatient discharge.

Required exclusions:

- Members in hospice or using hospice services any time during the measurement year.
- Members who died any time during the measurement year.

Title**Description**

Exclude both the initial and the readmission/direct transfer discharge if the last discharge occurs after December 1 of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00729-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 44 %	>= 44 % to < 52 %	>= 52 % to < 63 %	>= 63 % to < 77 %	>= 77 %

Measure: C18 - Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions

Title	Description

Label for Stars: Members with 2 or more chronic conditions receive follow-up care within 7 days after an emergency department visit

Label for Data: Members with 2 or more chronic conditions receive follow-up care within 7 days after an emergency department visit

Description: This rating is based on the percent of plan members with 2 or more chronic conditions who got follow-up care within 7 days after they had an emergency department (ED) visit. Depending on the person's needs this might be a visit with a health care provider, an appointment with a case manager, or a home visit.

HEDIS Label: Follow-up After Emergency Department Visit for People with Multiple High-Risk Chronic Conditions (FMC)

Measure Reference: NCQA HEDIS Measurement Year 2023 Technical Specifications Volume 2, page 340

Metric: The percentage of emergency department (ED) visits for members 18 years and older who have multiple high-risk chronic conditions who had a follow-up service within 7 days of the ED visit.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude ED visits that result in an inpatient stay. Exclude ED visits followed by admission to an acute or nonacute inpatient care setting on the date of the ED visit or within 7 days after the ED visit, regardless of the principal diagnosis for admission. To identify admissions to an acute or nonacute inpatient care setting:

1. Identify all acute and nonacute inpatient stays.
2. Identify the admission date for the stay.

These events are excluded from the measure because admission to an acute or nonacute setting may prevent an outpatient follow-up visit from taking place

Required exclusions:

- Members in hospice or using hospice services any time during the measurement year.
- Members who died any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2023 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2023 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Title**Description**

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00263-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 39 %	>= 39 % to < 53 %	>= 53 % to < 60 %	>= 60 % to < 69 %	>= 69 %

Domain: 3 - Member Experience with Health Plan**Measure: C19 - Getting Needed Care**

Title	Description
Label for Stars:	Ease of Getting Needed Care and Seeing Specialists
Label for Data:	Ease of Getting Needed Care and Seeing Specialists (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned on how easy it is for members to get needed care, including care from specialists.
Metric:	This case-mix adjusted composite measure is used to assess how easy it was for a member to get needed care and see specialists. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type):
	• In the last 6 months, how often did you get an appointment to see a specialist as soon as you needed?
	• In the last 6 months, how often was it easy to get the care, tests or treatment you needed?
Data Source Category:	Survey of Enrollees
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2024 – 06/2024
General Trend:	Higher is better
Statistical Method:	Relative Distribution and Significance Testing
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	4
Major Disaster:	Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Title**Description**

Meaningful Measure Area: Person-Centered Care

CMIT #: 00293-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 77	>= 77 to < 79	>= 79 to < 82	>= 82 to < 83	>= 83

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C20 - Getting Appointments and Care Quickly**Title****Description**

Label for Stars: Getting Appointments & Care Quickly

Label for Data: Getting Appointments & Care Quickly (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how quickly members get appointments and care.

Metric: This case-mix adjusted composite measure is used to assess how quickly the member was able to get appointments and care. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you needed care right away, how often did you get care as soon as you needed?
- In the last 6 months, how often did you get an appointment for a check-up or routine care as soon as you needed?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2024 – 06/2024

General Trend: Higher is better

Title**Description**

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00292-01-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 80	>= 80 to < 82	>= 82 to < 84	>= 84 to < 86	>= 86

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C21 - Customer Service**Title****Description**

Label for Stars: Health Plan Provides Information or Help When Members Need It

Label for Data: Health Plan Provides Information or Help When Members Need It (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get information and help from the plan when needed.

Metric: This case-mix adjusted composite measure is used to assess how easy it was for the member to get information and help when needed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often did your health plan's customer service give you the

Title**Description**

information or help you needed?

- In the last 6 months, how often did your health plan's customer service treat you with courtesy and respect?
- In the last 6 months, how often were the forms from your health plan easy to fill out?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2024 – 06/2024

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00181-01-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 88	>= 88 to < 89	>= 89 to < 91	>= 91 to < 92	>= 92

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C22 - Rating of Health Care Quality

Title	Description
Label for Stars:	Members' Rating of Health Care Quality
Label for Data:	Members' Rating of Health Care Quality (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned from members who rated the quality of the health care they received.
Metric:	This case-mix adjusted measure is used to assess members' view of the quality of care received from the health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Question (question numbers vary depending on survey type): • Using any number from 0 to 10, where 0 is the worst health care possible and 10 is the best health care possible, what number would you use to rate all your health care in the last 6 months?
Data Source Category:	Survey of Enrollees
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2024 – 06/2024
General Trend:	Higher is better
Statistical Method:	Relative Distribution and Significance Testing
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	4
Major Disaster:	Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.
Meaningful Measure Area:	Person-Centered Care
CMIT #:	00642-01-C-PARTC

Title**Description**

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C23 - Rating of Health Plan**Title****Description**

Label for Stars: Members' Rating of Health Plan

Label for Data: Members' Rating of Health Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned from members who rated the health plan.

Metric: This case-mix adjusted measure is used to assess members' overall view of their health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question numbers vary depending on survey type):

- Using any number from 0 to 10, where 0 is the worst health plan possible and 10 is the best health plan possible, what number would you use to rate your health plan?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2024 – 06/2024

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Title	Description

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Person-Centered Care

CMIT #: 00643-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 84	>= 84 to < 86	>= 86 to < 88	>= 88 to < 89	>= 89

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C24 - Care Coordination

Title	Description

Label for Stars: Coordination of Members' Health Care Services

Label for Data: Coordination of Members' Health Care Services (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how well the plan coordinates members' care. (This includes whether doctors had the records and information they needed about members' care and how quickly members got their test results.)

Metric: This case-mix adjusted composite measure is used to assess Care Coordination. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale of 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you talked with your personal doctor during a scheduled appointment, how often did he or she have your medical records or other information about your care?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did someone from your personal doctor's office follow up to give you those results?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did you get those results as soon as you needed them?
- In the last 6 months, how often did you and your personal doctor talk about all the prescription medicines you were taking?

Title**Description**

- In the last 6 months, did you get the help you needed from your personal doctor's office to manage your care among these different providers and services?
- In the last 6 months, how often did your personal doctor seem informed and up-to-date about the care you got from specialists?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2024 – 06/2024

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00106-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Member Complaints and Changes in the Health Plan's Performance**Measure: C25 - Complaints about the Health Plan**

Title	Description
Label for Stars:	Complaints about the Health Plan (more stars are better because it means fewer complaints)
Label for Data:	Complaints about the Health Plan (lower numbers are better because it means fewer complaints)
Description:	Rate of complaints filed with Medicare about the health plan.
Metric:	Rate of complaints about the health plan per 1,000 members. For each contract, this rate is calculated as: $\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$
	Number of Days in Period = 366 for leap years, 365 for all other years. - Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data. - Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract. - A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.
Primary Data Source:	Complaints Tracking Module (CTM)
Data Source Description:	Data were obtained from the CTM in the Health Plan Management System (HPMS) based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2023 complaints made by the June 28, 2024 deadline are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis. Monthly enrollment files from HPMS were used to calculate the average enrollment for the contract for the measurement period.
Data Source Category:	CMS Administrative Data
Exclusions:	On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded. Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.
Data Time Frame:	01/01/2023 – 12/31/2023
General Trend:	Lower is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00142-02-C-PARTC

Data Display: Numeric with 2 decimal places

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
> 1.39	> 0.76 to <= 1.39	> 0.37 to <= 0.76	> 0.12 to <= 0.37	<= 0.12

Measure: C26 - Members Choosing to Leave the Plan**Title****Description**

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2023–December 31, 2023 (numerator) divided by all members enrolled in the contract at any time during 2023 (denominator).

Primary Data Source: MBDSS

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Data Source Category: CMS Administrative Data

Title**Description**

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2023 and 12/31/2023 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Title	Description

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00446-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	> 36 %	> 24 % to <= 36 %	> 17 % to <= 24 %	> 8 % to <= 17 %	<= 8 %

Measure: C27 - Health Plan Quality Improvement

Title	Description

Label for Stars: Improvement (if any) in the Health Plan's Performance

Label for Data: Improvement (if any) in the Health Plan's Performance

Description: This shows how much the health plan's performance improved or declined from one year to the next.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).

If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.

If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures. The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2024 and 2025 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2024 and 2025 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Title**Description**

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-centered Care

CMIT #: 00300-01-C-PARTC

Data Display: Not Applicable

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< -0.179809	>= -0.179809 to < 0	>= 0 to < 0.174445	>= 0.174445 to < 0.421057	>= 0.421057

Domain: 5 - Health Plan Customer Service**Measure: C28 - Plan Makes Timely Decisions about Appeals****Title****Description**

Label for Stars: Health Plan Makes Timely Decisions about Appeals

Label for Data: Health Plan Makes Timely Decisions about Appeals

Description: This rating shows how fast a plan sends information for an independent review.

Metric: Percent of appeals timely processed by the plan (numerator) out of all the plan's appeals decided by the Independent Review Entity (IRE) (includes upheld, overturned, partially overturned appeals and appeals not evaluated by the IRE because plan agreed to cover) (denominator). This is calculated as:

$$([\text{Number of Timely Appeals}] / ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}] + [\text{Appeals Not Evaluated by the IRE Because Plan Agreed to Cover}])) * 100.$$

Primary Data Source: Independent Review Entity (IRE)

Data Source Description: Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. The timeliness is based on the actual IRE received date and is compared to the date the appeal should have been received by the IRE.

Data Source Category: Data Collected by CMS Contractors

Exclusions: If the denominator is ≤ 10 , the result is "Not enough data available." Dismissed appeals (except appeals not evaluated by the IRE because plan agreed to cover) and Withdrawn appeals are excluded from this measure.

General Notes: This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.

The number of timely appeals can be calculated using this formula:

$$[\text{Number of Timely Appeals}] = ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}]) + [\text{Appeals Not Evaluated by the IRE Because Plan Agreed to Cover}] - [\text{Late}]$$

Note: Appeals Not Evaluated by the IRE Because Plan Agreed to Cover were formerly called Dismissed Because Plan Agreed to Cover.

When reviewing IRE data from the Maximus appeals website found at <http://www.medicareappeal.com/AppealSearch> and in data files, appeal disposition codes have been updated from the prior codes. Below is a crosswalk of previous appeal disposition codes and current codes:

Title	Description	
	Previous Field Name	Current Field Name
	Upheld	Unfavorable
	Overturn	Favorable
	Partially Overturn	Partially favorable

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Affordability and Efficiency

CMIT #: 00562-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 69 %	>= 69 % to < 85 %	>= 85 % to < 95 %	>= 95 % to < 99 %	>= 99 %		

Measure: C29 - Reviewing Appeals Decisions

Title	Description

Label for Stars: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Label for Data: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Description: This rating shows how often an independent reviewer found the health plan's decision to deny coverage to be reasonable.

Title	Description
	Metric: Percent of appeals where a plan's decision was "upheld" by the Independent Review Entity (IRE) (numerator) out of all the plan's appeals (upheld, overturned, and partially overturned appeals only) that the IRE reviewed (denominator). This is calculated as: $([\text{Appeals Upheld}] / ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}]) * 100.$
Primary Data Source:	Independent Review Entity (IRE)
Data Source Description:	Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. If a Reopening occurs and is decided prior to June 30, 2024, the Reopened decision is used in place of the Reconsideration decision. Reopenings decided on or after June 30, 2024 are not reflected in these data and the original decision result is used. The results of appeals that occur beyond Level 2 (i.e., Administrative Law Judge or Medicare Appeals Council appeals) are not included in the data.
Data Source Category:	Data Collected by CMS Contractors
	Exclusions: If the minimum number of appeals (upheld + overturned + partially overturned) is ≤ 10, the result is "Not enough data available." Dismissed and Withdrawn appeals are excluded from this measure.
	General Notes: This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.
Data Time Frame:	01/01/2023 – 12/31/2023
	General Trend: Higher is better
	Statistical Method: Clustering
Improvement Measure:	Included
	CAI Usage: Not Included
	Case-Mix Adjusted: No
	Weighting Category: Measures Capturing Access
	Weighting Value: 4
	Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.
Meaningful Measure Area:	Affordability and Efficiency
	CMIT #: 00652-01-C-PARTC

Title

Description

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 78 %	>= 78 % to < 92 %	>= 92 % to < 96 %	>= 96 % to < 99 %	>= 99 %

Measure: C30 - Call Center – Foreign Language Interpreter and TTY Availability

Title

Description

Label for Stars: Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan

Label for Data: Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan

Description: Percent of time that TTY services and foreign language interpretation were available when needed by people who called the health plan's prospective enrollee customer service phone line.

Metric: The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within seven minutes.

Primary Data Source: Call Center

Data Source Description: Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.

Data Source Category: Data Collected by CMS Contractors

Exclusions: Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MAOs, MA-PDs, and MMPs under sanction.

General Notes: Specific questions about Call Center Monitoring and requests for detail data should be directed to CallCenterMonitoring@cms.hhs.gov.

Data Time Frame: 02/2024 – 05/2024

General Trend: Higher is better

Statistical Method: Clustering

Title**Description**

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: No adjustment for 2022 or 2023 disasters.

Meaningful Measure Area: Person-centered Care

CMIT #: 00096-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 46 %	>= 46 % to < 69 %	>= 69 % to < 93 %	>= 93 % to < 100 %	100 %

See [Attachment C](#) for the national averages of individual Part D measures.

Domain: 1 - Drug Plan Customer Service

Measure: D01 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the drug plan's prospective enrollee customer service line.
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within seven minutes.
Primary Data Source:	Call Center
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MA-PDs, PDPs, and MMPs under sanction.
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to CallCenterMonitoring@cms.hhs.gov .
Data Time Frame:	02/2024 – 05/2024
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access

Title**Description**

Weighting Value: 4

Major Disaster: No adjustment for 2022 or 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00096-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 40 %	>= 40 % to < 74 %	>= 74 % to < 90 %	>= 90 % to < 100 %	100 %
PDP	< 70 %	>= 70 % to < 85 %	>= 85 % to < 98 %	>= 98 % to < 100 %	100 %

Domain: 2 - Member Complaints and Changes in the Drug Plan's Performance**Measure: D02 - Complaints about the Drug Plan**

Title	Description

Label for Stars: Complaints about the Drug Plan (more stars are better because it means fewer complaints)

Label for Data: Complaints about the Drug Plan (number of complaints for every 1,000 members). (Lower numbers are better because it means fewer complaints.)

Description: Rate of complaints filed with Medicare about the drug plan.

Metric: Rate of complaints about the drug plan per 1,000 members. For each contract, this rate is calculated as:

$$\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$$

Number of Days in Period = 366 for leap years, 365 for all other years.

- Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data.
- Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract.
- A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.

Primary Data Source: Complaints Tracking Module (CTM)

Data Source Description: Data were obtained from the CTM in the Health Plan Management System (HPMS) based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2023 complaints made by the June 28, 2024 deadline are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis. Monthly enrollment files from HPMS were used to calculate the average enrollment for the contract for the measurement period.

Data Source Category: CMS Administrative Data

Exclusions: On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.

Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Lower is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00142-02-C-PARTD

Data Display: Numeric with 2 decimal places

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 1.39	> 0.76 to <= 1.39	> 0.37 to <= 0.76	> 0.12 to <= 0.37	<= 0.12
PDP	> 0.32	> 0.2 to <= 0.32	> 0.11 to <= 0.2	> 0.04 to <= 0.11	<= 0.04

Measure: D03 - Members Choosing to Leave the Plan**Title****Description**

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2023–December 31, 2023 (numerator) divided by all members enrolled in the contract at any time during 2023 (denominator).

Primary Data Source: MBDSS

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Title**Description**

Data Source Category: CMS Administrative Data

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2023 and 12/31/2023 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Title**Description**

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00446-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 36 %	> 24 % to <= 36 %	> 17 % to <= 24 %	> 8 % to <= 17 %	<= 8 %
PDP	> 22 %	> 16 % to <= 22 %	> 9 % to <= 16 %	> 5 % to <= 9 %	<= 5 %

Measure: D04 - Drug Plan Quality Improvement**Title****Description**

Label for Stars: Improvement (if any) in the Drug Plan's Performance

Label for Data: Improvement (If any) in the Drug Plan's Performance

Description: This shows how much the drug plan's performance has improved or declined from one year to the next year.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures. The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2024 and 2025 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2024 and 2025 Star Ratings

Data Source Category: Star Ratings

Title	Description

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment I](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00224-01-C-PARTD

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	< -0.218869	>= -0.218869 to < 0	>= 0 to < 0.242468	>= 0.242468 to < 0.496603	>= 0.496603
	PDP	< -0.282500	>= -0.282500 to < 0	>= 0 to < 0.273334	>= 0.273334 to < 0.576667	>= 0.576667

Domain: 3 - Member Experience with the Drug Plan**Measure: D05 - Rating of Drug Plan**

Title	Description
Label for Stars: Members' Rating of Drug Plan	
Label for Data: Members' Rating of Drug Plan (on a scale from 0 to 100)	
Description: Percent of the best possible score the plan earned from members who rated the prescription drug plan.	
Metric: This case-mix adjusted measure is used to assess members' overall view of their prescription drug plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.	
Primary Data Source: CAHPS	
Data Source Description: CAHPS Survey Question (question numbers vary depending on survey type):	
	• Using any number from 0 to 10, where 0 is the worst prescription drug plan possible and 10 is the best prescription drug plan possible, what number would you use to rate your prescription drug plan?
Data Source Category: Survey of Enrollees	
General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.	
Data Time Frame: 03/2024 – 06/2024	
General Trend: Higher is better	
Statistical Method: Relative Distribution and Significance Testing	
Improvement Measure: Included	
CAI Usage: Not Included	
Case-Mix Adjusted: Yes	
Weighting Category: Patients' Experience and Complaints Measure	
Weighting Value: 4	
Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.	
Meaningful Measure Area: Person-Centered Care	

Title

Description

CMIT #: 00641-01-C-PARTD

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	< 84	>= 84 to < 86	>= 86 to < 87	>= 87 to < 89	>= 89
PDP	< 79	>= 79 to < 82	>= 82 to < 85	>= 85 to < 87	>= 87

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: D06 - Getting Needed Prescription Drugs

Title

Description

Label for Stars: Ease of Getting Prescriptions Filled When Using the Plan

Label for Data: Ease of Getting Prescriptions Filled When Using the Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get the prescription drugs they need using the plan.

Metric: This case-mix adjusted measure is used to assess the ease with which a beneficiary gets the medicines their doctor prescribed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often was it easy to use your prescription drug plan to get the medicines your doctor prescribed?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription at your local pharmacy?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription by mail?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2024. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2024 – 06/2024

General Trend: Higher is better

Title**Description**

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00294-01-C-PARTD

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	< 87	>= 87 to < 88	>= 88 to < 90	>= 90 to < 91	>= 91
PDP	< 86	>= 86 to < 87	>= 87 to < 89	>= 89 to < 90	>= 90

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Drug Safety and Accuracy of Drug Pricing**Measure: D07 - MPF Price Accuracy**

Title	Description
Label for Stars:	Plan Provides Accurate Drug Pricing Information for This Website
Label for Data:	Plan Provides Accurate Drug Pricing Information for This Website (higher scores are better because they mean more accurate prices)
Description:	A score comparing the drug's total cost at the pharmacy to the drug prices the plan provided for the Medicare Plan Finder (MPF) website. Higher scores are better because they mean the plan provided more accurate prices.
Metric:	This measure evaluates the accuracy of drug prices posted on the MPF tool. A contract's score is based on the accuracy index, or magnitude of difference, and the claim percentage index, or frequency of difference.
	The accuracy index – or magnitude of difference - considers both ingredient cost and dispensing fee and measures the amount that the PDE price is higher than the MPF price. The claim percentage index – or frequency of difference - also considers both ingredient cost and dispensing fee while measuring how often the PDE price is higher than the MPF price. Therefore, prices that are overstated on MPF will not count against a plan's score.
	The accuracy index is computed as: $(\text{Total amount that PDE is higher than MPF} + \text{Total PDE cost}) / (\text{Total PDE cost})$.
	The claim percentage index is computed as: $(\text{Total number of PDEs where PDE cost is higher than MPF}) / (\text{Total number of PDEs})$.
	The best possible accuracy index is 1 and claim percentage index is 0. Indexes with these values indicate that a plan did not have PDE prices greater than MPF prices.
	A contract's score is computed using its accuracy index and claim percentage index as: $0.5 \times (100 - ((\text{accuracy index} - 1) \times 100)) + 0.5 \times ((1 - \text{claim percentage index}) \times 100)$.
Primary Data Source:	PDE data, MPF Pricing Files
Data Source Description:	Data used in this measure are obtained from a number of sources: MPF Pricing Files and PDE data are the primary data sources. The PDE data were submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2023 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2023- September 30, 2023. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the measure. If the PDE edit is informational, and therefore does not result in the PDE being rejected, then the PDE is used. Reminder, CMS uses the term "final action" PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2023 PDE submission deadline are used to calculate this measure. The HPMS-approved formulary extracts, and data from First DataBank and Medi-span are also used.
Data Source Category:	Data Collected by CMS Contractors

Title**Description**

Exclusions: A contract with less than 30 PDE claims over the measurement period. PDEs must also meet the following criteria:

- If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible.
- Drug must appear in formulary file and in MPF pricing file
- PDE must be a 28-34, 60-62, or 90-93 day supply. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan.
- Date of service must occur at a time that data are not suppressed for the plan on MPF
- PDE must not be a compound claim
- PDE must not be a non-covered drug

General Notes: Please see [Attachment M](#): Methodology for Price Accuracy Measure for more information about this measure.

Data Time Frame: 01/01/2023 – 09/30/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Affordability and Efficiency

CMIT #: 00452-01-C-PARTD

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 97	>= 97 to < 98	>= 98 to < 99	>= 99 to < 100	100
PDP	< 97	>= 97 to < 98	>= 98 to < 99	>= 99 to < 100	100

Measure: D08 - Medication Adherence for Diabetes Medications

Title	Description

Label for Stars: Taking Diabetes Medication as Directed

Label for Data: Taking Diabetes Medication as Directed

Description: Percent of plan members with a prescription for diabetes medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with diabetes can manage their health is by taking their medication as directed. The plan, the doctor, and the member can work together to find ways to do this. ("Diabetes medication" means a *biguanide drug*, a *sulfonylurea drug*, a *thiazolidinedione drug*, a *DPP-4 inhibitor*, a *GIP/GLP-1 receptor agonist*, a *meglitinide drug*, or an *SGLT2 inhibitor*. Plan members who take insulin are not included.)

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy across classes of diabetes medications: biguanides, sulfonylureas, thiazolidinediones, DiPeptidyl Peptidase (DPP)-4 Inhibitors, GIP/GLP-1 receptor agonists, meglitinides, and sodium glucose cotransporter 2 (SGLT2) inhibitors. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher across the classes of diabetes medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two fills of diabetes medication(s) on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 91 days before the end of the enrollment period, end of measurement period, or death, whichever comes first.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2023 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2023-December 31, 2023. If the PDE edit results in the PDE being rejected by DDPS, then

Title	Description
	the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2023 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for diabetes medication(s). PDE adjustments made post-reconciliation were not reflected in this measure. Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), and the Encounter Data Systems (EDS). The data cut off date for all the additional data sources listed below such as the CME, CWF, and EDS is determined by the same PDE submission deadline for the annual Part D payment reconciliation. • CME is used for enrollment information. • EDB is used to identify beneficiaries who elected to receive hospice care or with ESRD status (dialysis start and end dates within the measurement period). Due to CMS’s migration of the beneficiary database, including the EDB and CME, to the Amazon Web Services (AWS Cloud), equivalent EDB information to identify beneficiaries in hospice and with ESRD status is pulled from the CME beneficiary tables from the Integrated Data Repository (CME IDRC), sourced from the same upstream database. • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- In hospice
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for insulin

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode,

Title**Description**

reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by the active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in IP settings, and stays in SNFs. The discharge date is included as an adjustment for IP/SNF stays. Please see [Attachment L](#): Medication Adherence Measure Calculations for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00436-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
PDP	< 85 %	>= 85 % to < 87 %	>= 87 % to < 89 %	>= 89 % to < 93 %	>= 93 %

Measure: D09 - Medication Adherence for Hypertension (RAS antagonists)

Title	Description

Label for Stars: Taking Blood Pressure Medication as Directed

Label for Data: Taking Blood Pressure Medication as Directed

Description: Percent of plan members with a prescription for a blood pressure medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high blood pressure can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this. ("Blood pressure medication" means an *ACEI (angiotensin converting enzyme inhibitor)*, an *ARB (angiotensin receptor blocker)*, or a *direct renin inhibitor drug*.)

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for renin angiotensin system (RAS) antagonists: angiotensin converting enzyme inhibitor (ACEI), angiotensin receptor blocker (ARB), or direct renin inhibitor medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for RAS antagonist medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two RAS antagonist medication fills on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their RAS antagonist medication occurs at least 91 days before the end of the enrollment period, end of measurement period, or death, whichever comes first.

The Part D Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the PQA.

See the medication list for this measure. The Part D Medication Adherence rate is calculated using the NDC list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted to the CMS DDPS and accepted by the 2023 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2023-December 31, 2023. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term "final action" PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2023 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two

Title**Description**

prescriptions on unique dates of service for RAS antagonist medication(s). PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the CME, the EDB, and the CWF, and the EDS. The data cut off date for all the additional data sources listed below such as the CME, CWF, and EDS is determined by the same PDE submission deadline for the annual Part D payment reconciliation.

- CME is used for enrollment information.
- EDB is used to identify beneficiaries who elected to receive hospice care or with ESRD status (dialysis start and end dates within the measurement period). Due to CMS's migration of the beneficiary database, including the EDB and CME, to the Amazon Web Services (AWS Cloud), equivalent EDB information to identify beneficiaries in hospice and with ESRD status is pulled from the CME beneficiary tables from the Integrated Data Repository (CME IDRC), sourced from the same upstream database.
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient and SNF stays for PDPs and MA-PDs (if available).
- EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- In hospice
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for sacubitril/valsartan

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in IP settings, and stays in SNFs. The discharge date is included as an adjustment day for IP/SNF stays.

Title**Description**

Please see [Attachment L](#): Medication Adherence Measure Calculations for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00437-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 83 %	>= 83 % to < 87 %	>= 87 % to < 90 %	>= 90 % to < 92 %	>= 92 %
PDP	< 87 %	>= 87 % to < 89 %	>= 89 % to < 90 %	>= 90 % to < 92 %	>= 92 %

Measure: D10 - Medication Adherence for Cholesterol (Statins)

Title	Description

Label for Stars: Taking Cholesterol Medication as Directed

Label for Data: Taking Cholesterol Medication as Directed

Description: Percent of plan members with a prescription for a cholesterol medication (a *statin drug*) who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high cholesterol can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this.

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for statin cholesterol medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for statin cholesterol medication(s) during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two statin cholesterol medication fills on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in the therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their statin medication occurs at least 91 days before the end of the enrollment period, end of measurement period, or death, whichever comes first.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the PQA.

See the medication list for this measure. The Medication Adherence rate is calculated using the NDC list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to the CMS DDPS and accepted by the 2023 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2023-December 31, 2023. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2023 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for statin medication. PDE adjustments made post-reconciliation were not reflected in this measure.

Title	Description
	Additional data sources include the CME, the EDB, the CWF, and the EDS. The data cut off date for all the additional data sources listed below such as the CME, CWF, and EDS is determined by the same PDE submission deadline for the annual Part D payment reconciliation. • CME is used for enrollment information. • EDB is used to identify beneficiaries who elected to receive hospice care or with ESRD status (dialysis start and end dates within the measurement period). Due to CMS's migration of the beneficiary database, including the EDB and CME, to the Amazon Web Services (AWS Cloud), equivalent EDB information to identify beneficiaries in hospice and with ESRD status is pulled from the CME beneficiary tables from the Integrated Data Repository (CME IDRC), sourced from the same upstream database. • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, IP and SNF stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- In hospice
- ESRD diagnosis or dialysis coverage dates

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in IP settings, and stays in SNFs. The discharge date is included as an adjustment day for IP/SNF stays. Please see [Attachment L: Medication Adherence Measure Calculations](#) for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Title**Description**

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00435-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 89 %	>= 89 % to < 93 %	>= 93 %
PDP	< 86 %	>= 86 % to < 88 %	>= 88 % to < 89 %	>= 89 % to < 92 %	>= 92 %

Measure: D11 - MTM Program Completion Rate for CMR**Title****Description**

Label for Stars: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Label for Data: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Description: Some plan members are in a program (called a *Medication Therapy Management* program) to help them manage their drugs. The measure shows how many members in the program had an assessment of their medications from the plan.

The assessment includes a discussion between the member and a pharmacist (or other health care professional) about all of the member's medications. The member also receives a written summary of the discussion, including an action plan that recommends what the member can do to better understand and use his or her medications.

Title**Description**

Metric: This measure is defined as the percent of Medication Therapy Management (MTM) program enrollees who received a Comprehensive Medication Review (CMR) during the reporting period.

Numerator = Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period.

Denominator = Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period and who were enrolled in the MTM program for at least 60 days during the reporting period. Only those beneficiaries who meet the contracts' specified targeting criteria per CMS – Part D requirements pursuant to §423.153(d) of the regulations at any time in the reporting period are included in this measure. Beneficiaries who were in hospice at any point during the reporting period are excluded. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are only included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe. The date of enrollment is counted towards the 60 days but the opt-out date is not.

A beneficiary's MTM eligibility, receipt of CMRs, etc., is determined for each contract he/she was enrolled in during the measurement period. Similarly, a contract's CMR completion rate is calculated based on each of its eligible MTM enrolled beneficiaries. For example, a beneficiary must meet the inclusion criteria for the contract to be included in the contract's CMR rate. A beneficiary who is enrolled in two different contracts' MTM programs for 30 days each is therefore excluded from both contracts' CMR rates. The beneficiary is only included in the measure calculation for the contract(s) where they were enrolled at least 60 days or received a CMR if enrolled for less than 60 days. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.

Beneficiaries may be enrolled in MTM based on the contracts' specified targeting criteria per CMS – Part D requirements and/or based on expanded, other plan-specific targeting criteria. Beneficiaries who were initially enrolled in MTM due to other plan-specific (expanded) criteria and then later met the contracts' specified targeting criteria per CMS – Part D requirements at any time in the reporting period are included in this measure. In these cases, a CMR received after the date of MTM enrollment but before the date the beneficiary met the specified targeting criteria per CMS – Part D requirements are included.

Primary Data Source: Part D Plan Reporting

Data Source Description: The data for this measure were reported by contracts to CMS per the 2023 Part D Reporting Requirements (data pulled June 2024). Validation of these data was performed retrospectively during the 2024 data validation cycle (deadline June 15, 2024 and data validation results pulled July 2024). Additionally, the Medicare Enrollment Database (EDB) from the Integrated Data Repository (CME IDRC) is used to identify beneficiaries in hospice (data pulled June 2024).

Data Source Category: Health and Drug Plans

Title**Description**

Exclusions: Contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 15, 2024) are excluded and listed as “Not required to report.”

MTM CMR rates are not provided for contracts that did not score at least 95% on data validation for the Medication Therapy Management Program reporting section or were not compliant with data validation standards/sub-standards for any of the following Medication Therapy Management Program data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- MBI Number (Element B)
- Date of MTM program enrollment (Element H)
- Met the specified targeting criteria per CMS – Part D requirements (Element I)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element K)
- Received annual CMR with written summary in CMS standardized format (Element O)
- Date(s) of CMR(s) (Element P)

MTM CMR rates are also not provided for contracts that failed to submit their MTM file and pass system validation by the reporting deadline or who had a missing data validation score for MTM. Contracts excluded from the MTM CMR Rates due to data validation issues are shown as “CMS identified issues with this plan's data.” See [Attachment N](#) for more details on the MTM CMR completion rate measure scoring methodology.

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select “Monitoring,” then “Plan Reporting Data Validation.” Select the appropriate contract year. Select the PRDVM Reports. Select “Score Detail Report.” Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMS at HPMS_Access@cms.hhs.gov.

Additionally, contracts must have 31 or more enrollees in the denominator in order to have a calculated rate. Contracts with fewer than 31 eligible enrollees are listed as "Not enough data available".

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Title**Description**

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00454-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 57 %	>= 57 % to < 77 %	>= 77 % to < 89 %	>= 89 % to < 93 %	>= 93 %
PDP	< 30 %	>= 30 % to < 55 %	>= 55 % to < 68 %	>= 68 % to < 80 %	>= 80 %

Measure: D12 - Statin Use in Persons with Diabetes (SUPD)

Title**Description**

Label for Stars: The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol

Label for Data: The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol

Description: To lower their risk of developing heart disease, most people with diabetes should take cholesterol medication. This rating is based on the percent of plan members with diabetes who take the most effective cholesterol-lowering drugs. Plans can help make sure their members get these prescriptions filled.

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 40-75 years old who were dispensed at least two diabetes medication fills on unique dates of service and received a statin medication fill during the measurement period. The percentage is calculated as the number of member-years of enrolled beneficiaries 40-75 years old who received a statin medication fill during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 40-75 years old with at least two diabetes medication fills on unique dates of service during the measurement period (denominator).

Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 90 days before the end of the measurement year or end of the enrollment episode.

The SUPD measure is adapted from the measure concept that was developed and endorsed by the PQA.

See the medication list for this measure. The SUPD measure is calculated using the NDC lists updated by the PQA. The complete NDC lists, including diagnosis codes, are posted along with these technical notes.

Title	Description

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from Prescription Drug Event (PDE) data submitted by drug plans to the CMS DDPS and accepted by the 2023 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2023 – December 31, 2023. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2023 PDE submission deadline are used to calculate this measure. PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the CME, the EDB, the CWF, and the EDS. The data cut off date for all the additional data sources listed below such as the CME, CWF, and EDS is determined by the same PDE submission deadline for the annual Part D payment reconciliation.

- CME is used for enrollment information.
- EDB is used to identify beneficiaries who elected to receive hospice care or with ESRD status (dialysis start and end dates within the measurement period). Due to CMS’s migration of the beneficiary database, including the EDB and CME, to the Amazon Web Services (AWS Cloud), equivalent EDB information to identify beneficiaries in hospice and with ESRD status is pulled from the CME beneficiary tables from the Integrated Data Repository (CME IDRC), sourced from the same upstream database.
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes.
- EDS is used to identify diagnoses based on ICD-10-CM codes.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- Rhabdomyolysis and myopathy
- Pregnancy, Lactation, and fertility
- Cirrhosis
- Pre-Diabetes
- Polycystic Ovary Syndrome

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given

Title**Description**

episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member years for each episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

Data Time Frame: 01/01/2023 – 12/31/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2024-2025) for contracts with 25% or more enrolled affected by 2023 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00702-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 81 %	>= 81 % to < 86 %	>= 86 % to < 89 %	>= 89 % to < 93 %	>= 93 %
PDP	< 80 %	>= 80 % to < 83 %	>= 83 % to < 85 %	>= 85 % to < 87 %	>= 87 %

CAHPS Case-Mix Adjustment

The CAHPS measures are case-mix adjusted to take into account the mix of enrollees. Case-mix variables include administrative age, dual eligibility status, low-income subsidy (LIS) indicator, and use of Asian language survey, and self-reported education, general health status, mental health status, and proxy usage status. The tables below include the case-mix variables and show the case-mix coefficients for each of the CAHPS measures included in the Star Ratings. The coefficients indicate how much higher or lower people with a given characteristic tend to respond compared to otherwise similar people with the baseline value for that characteristic (e.g. reference group), on the original scale of the item or composite, as presented in plan reports. The reference group for each characteristic will have a coefficient value of zero.

For example, for the Part C measure "Rating of Health Plan," the model coefficient for "age 75-79" is 0.0511, indicating that respondents in that age range tend to score their plans 0.0511 points higher than otherwise similar people in the 70-74 age range (the baseline or reference category). Similarly, respondents who had a proxy help aside from answering for them tend to respond 0.0850 points lower on this item than otherwise similar respondents without proxy help. Contracts with higher proportions of beneficiaries who are in the 75-79 age range will be adjusted downward on this measure to compensate for the positive response tendency of their respondents. Similarly, contracts with higher proportions of respondents who had proxy help will be adjusted upward on this measure to compensate for their respondents' negative response tendency. The case-mix patterns are not always consistent across measures. Missing case-mix adjusters are imputed as the contract mean.

The composites consist of multiple items, each of which is adjusted separately before combining the adjusted scores into a composite score. Item-level coefficients are presented below separately for each composite. For more detailed information on the application of CAHPS case-mix adjustment, please review the materials at <https://ma-pdpcahps.org/en/scoring-and-star-ratings/>.

Table A-1: Coefficients of Part C Getting Needed Care (C19) CAHPS Measure Composite Items

Predictor	Get appointment with specialist	Easy to get care
Age: 64 or under	0.0576	-0.0150
Age: 65 – 69	-0.0251	-0.0157
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.0043	0.0207
Age: 80 – 84	0.0083	-0.0005
Age: 85 and older	0.0364	0.0224
Education: Less than an 8th grade education	0.0136	-0.0402
Education: Some high school	-0.0119	0.0065
Education: High school graduate	0.0000	0.0000
Education: Some college	-0.0661	-0.0536
Education: College graduate	-0.0921	-0.0552
Education: More than a bachelor's degree	-0.1588	-0.0844
General health rating: excellent	0.1392	0.0480
General health rating: very good	0.0816	0.0596
General health rating: good	0.0000	0.0000
General health rating: fair	-0.0612	-0.0669
General health rating: poor	-0.0762	-0.1168
Mental health rating: excellent	0.1772	0.1754
Mental health rating: very good	0.0943	0.0933
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.0630	-0.0547
Mental health rating: poor	-0.1618	-0.1287
Proxy helped	-0.0084	0.0039
Proxy answered	0.0104	0.0574
Medicaid dual eligible	0.0075	0.0107
Low-income subsidy (LIS)	-0.0226	0.0136
Asian survey language	-0.0145	0.0455

Table A-2: Coefficients of Part C Getting Appointments and Care Quickly (C20) CAHPS Measure Composite Items

Predictor	Getting needed care as soon as wanted	Getting routine care as soon as wanted
Age: 64 or under	0.0052	0.0177
Age: 65 – 69	0.0448	-0.0035
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.0285	0.0115
Age: 80 – 84	0.0628	0.0301
Age: 85 and older	0.0724	0.0412
Education: Less than an 8th grade education	0.0703	-0.0390
Education: Some high school	0.0187	-0.0160
Education: High school graduate	0.0000	0.0000
Education: Some college	-0.0269	-0.0469
Education: College graduate	-0.0042	-0.0517
Education: More than a bachelor's degree	-0.0735	-0.0857
General health rating: excellent	0.0512	0.0604
General health rating: very good	0.0377	0.0348
General health rating: good	0.0000	0.0000
General health rating: fair	-0.0808	-0.0496
General health rating: poor	-0.1089	-0.0725
Mental health rating: excellent	0.0984	0.1447
Mental health rating: very good	0.0586	0.0665
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.0341	-0.0278
Mental health rating: poor	-0.2374	-0.1584
Proxy helped	0.0194	0.0273
Proxy answered	0.1571	0.0589
Medicaid dual eligible	0.0120	0.0277
Low-income subsidy (LIS)	0.0166	-0.0116
Asian survey language	-0.1069	-0.2643

Table A-3: Coefficients of Part C Customer Service (C21) CAHPS Measure Composite Items

Predictor	Paperwork easy	Plan customer service gives information	Plan customer service courtesy and respect
Age: 64 or under	0.0067	-0.0433	-0.0186
Age: 65 – 69	0.0039	-0.0283	-0.0223
Age: 70 – 74	0.0000	0.0000	0.0000
Age: 75 – 79	-0.0126	-0.0091	0.0032
Age: 80 – 84	-0.0191	0.0003	-0.0052
Age: 85 and older	-0.0239	0.0045	0.0078
Education: Less than an 8th grade education	-0.0235	-0.0688	-0.0201
Education: Some high school	-0.0090	-0.0231	-0.0195
Education: High school graduate	0.0000	0.0000	0.0000
Education: Some college	-0.0196	-0.0765	-0.0353
Education: College graduate	-0.0184	-0.1060	-0.0363
Education: More than a bachelor's degree	-0.0397	-0.1479	-0.0425
General health rating: excellent	0.0259	0.0870	0.0223
General health rating: very good	0.0134	0.0376	-0.0053
General health rating: good	0.0000	0.0000	0.0000
General health rating: fair	-0.0402	-0.0437	-0.0171
General health rating: poor	-0.0413	-0.0276	0.0087
Mental health rating: excellent	0.0509	0.1242	0.1019
Mental health rating: very good	0.0205	0.0551	0.0648
Mental health rating: good	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0361	-0.0286	0.0012
Mental health rating: poor	-0.0703	-0.1172	-0.1081
Proxy helped	-0.0304	0.0160	0.0023
Proxy answered	0.0124	0.0268	0.0287
Medicaid dual eligible	-0.0443	0.0649	0.0278
Low-income subsidy (LIS)	-0.0180	0.0242	0.0426
Asian survey language	-0.0613	-0.0596	-0.1666

Table A-4: Coefficients of Part C Stand-alone CAHPS Measures

Predictor	C22: Rating of Health Care Quality	C23: Rating of Health Plan
Age: 64 or under	-0.0683	-0.0969
Age: 65 – 69	-0.0669	-0.0754
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.0311	0.0511
Age: 80 – 84	0.0347	0.0804
Age: 85 and older	0.0006	0.0934
Education: Less than an 8th grade education	0.0607	0.1276
Education: Some high school	0.0131	0.0340
Education: High school graduate	0.0000	0.0000
Education: Some college	-0.1325	-0.2128
Education: College graduate	-0.1729	-0.3380
More than a bachelor's degree	-0.2509	-0.4173
General health rating: excellent	0.3339	0.2631
General health rating: very good	0.1949	0.1386
General health rating: good	0.0000	0.0000
General health rating: fair	-0.2529	-0.1497
General health rating: poor	-0.5774	-0.3155
Mental health rating: excellent	0.5053	0.3642
Mental health rating: very good	0.2545	0.1767
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.1320	-0.1231
Mental health rating: poor	-0.4610	-0.4146
Proxy helped	-0.1008	-0.0850
Proxy answered	0.1089	0.0348
Medicaid dual eligible	0.0297	0.3065
Low-income subsidy (LIS)	0.0581	0.0833
Asian survey language	0.3586	-0.0170

Table A-5: Coefficients of Part C Care Coordination (C24) CAHPS Measure Composite Items

Predictor	MD/office help to manage care	MD informed about specialist care	MD follows up about test results and gives results as soon as needed	Talk with MD about medicines	MD has medical records about care
Age: 64 or under	-0.0404	-0.0041	0.0356	0.0425	-0.0061
Age: 65 – 69	-0.0251	-0.0170	-0.0259	0.0149	-0.0136
Age: 70 – 74	0.0000	0.0000	0.0000	0.0000	0.0000
Age: 75 – 79	-0.0102	-0.0218	-0.0080	-0.0555	-0.0049
Age: 80 – 84	-0.0051	-0.0313	-0.0090	-0.1083	-0.0133
Age: 85 and older	-0.0266	-0.0063	-0.0133	-0.1635	-0.0106
Education: Less than an 8th grade education	-0.0246	0.0271	-0.0308	-0.0168	-0.0375
Education: Some high school	-0.0010	-0.0244	0.0147	0.0249	-0.0091
Education: High school graduate	0.0000	0.0000	0.0000	0.0000	0.0000
Education: Some college	-0.0510	-0.0476	-0.0252	-0.0008	-0.0048
Education: College graduate	-0.0379	-0.1104	-0.0310	-0.0753	-0.0164
Education: More than a bachelor's degree	-0.0738	-0.0889	-0.0302	-0.0625	0.0017
General health rating: excellent	0.0385	-0.0025	0.0792	0.0775	0.0122
General health rating: very good	0.0009	0.0080	0.0469	0.0468	0.0154
General health rating: good	0.0000	0.0000	0.0000	0.0000	0.0000
General health rating: fair	-0.0492	0.0003	-0.0734	-0.0501	-0.0346
General health rating: poor	-0.0881	-0.0275	-0.1290	-0.1341	-0.0521
Mental health rating: excellent	0.0986	0.1768	0.1502	0.1614	0.0852
Mental health rating: very good	0.0071	0.0787	0.0791	0.0788	0.0450
Mental health rating: good	0.0000	0.0000	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0564	-0.0687	-0.0206	-0.0232	-0.0299
Mental health rating: poor	-0.1419	-0.2305	-0.0954	-0.1066	-0.0564
Proxy helped	0.0165	0.0216	-0.0137	0.1030	0.0004
Proxy answered	0.0379	-0.0010	0.0008	0.0992	0.0375
Medicaid dual eligible	-0.0100	0.0766	-0.0199	0.0224	-0.0219
Low-income subsidy (LIS)	-0.0464	0.0204	-0.0139	0.0548	-0.0098
Asian survey language	0.1072	-0.0794	0.1495	-0.2609	-0.1476

Table A-6: Coefficients of Part D CAHPS Stand-alone Measures

Predictor	MA-PD D05: Rating of Drug Plan	PDP D05: Rating of Drug Plan
Age: 64 or under	-0.1745	-0.1359
Age: 65 – 69	-0.1126	-0.1746
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.0812	0.1899
Age: 80 – 84	0.1529	0.2057
Age: 85 and older	0.1693	0.3164
Education: Less than an 8th grade education	-0.0030	0.0608
Education: Some high school	0.0428	-0.0614
Education: High school graduate	0.0000	0.0000
Education: Some college	-0.2084	-0.2944
Education: College graduate	-0.3313	-0.1121
Education: More than a bachelor's degree	-0.4213	-0.4179
General health rating: excellent	0.2766	0.1603
General health rating: very good	0.1651	0.1845
General health rating: good	0.0000	0.0000
General health rating: fair	-0.1816	-0.2015
General health rating: poor	-0.3960	-0.4735
Mental health rating: excellent	0.3083	0.2269
Mental health rating: very good	0.1538	-0.0462
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.0273	-0.2564
Mental health rating: poor	-0.3236	-0.0325
Proxy helped	-0.0567	-0.1165
Proxy answered	-0.0633	0.0282
Medicaid dual eligible	0.5296	0.7997
Low-income subsidy (LIS)	0.3751	0.8174
Asian survey language	-0.3403	0.0000

Table A-7: Coefficients of Part D Getting Needed Prescription Drugs (D06) CAHPS Measure Composite Items

Predictor	MA-PD: Get needed prescription drugs	MA-PD: Get prescription drugs from mail or pharmacy	PDP: Get needed prescription drugs	PDP: Get prescription drugs from mail or pharmacy
Age: 64 or under	-0.0756	-0.0361	-0.0220	-0.0216
Age: 65 – 69	-0.0437	-0.0178	-0.0322	-0.0191
Age: 70 – 74	0.0000	0.0000	0.0000	0.0000
Age: 75 – 79	0.0032	0.0069	0.0131	0.0043
Age: 80 – 84	0.0197	0.0014	0.0063	0.0059
Age: 85 and older	0.0158	-0.0083	0.0017	0.0091
Education: Less than an 8th grade education	-0.0518	-0.0477	-0.1331	-0.0453
Education: Some high school	0.0003	0.0033	-0.1127	-0.0492
Education: High school graduate	0.0000	0.0000	0.0000	0.0000
Education: Some college	-0.0366	-0.0400	-0.0942	-0.1147
Education: College graduate	-0.0405	-0.0579	-0.0563	-0.0801
Education: More than a bachelor's degree	-0.0638	-0.0784	-0.1285	-0.1741
General health rating: excellent	0.0200	0.0621	0.0942	0.1142
General health rating: very good	0.0530	0.0570	0.1182	0.0770
General health rating: good	0.0000	0.0000	0.0000	0.0000
General health rating: fair	-0.0611	-0.0548	-0.0367	-0.0675
General health rating: poor	-0.0913	-0.0676	-0.1688	-0.0735
Mental health rating: excellent	0.0856	0.0862	0.0591	0.0890
Mental health rating: very good	0.0544	0.0532	0.0056	0.0065
Mental health rating: good	0.0000	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0299	-0.0438	0.0195	-0.0041
Mental health rating: poor	-0.1165	-0.1001	-0.0153	-0.0692
Proxy helped	0.0036	0.0117	0.0688	0.0576
Proxy answered	0.0331	0.0030	0.1382	0.1257
Medicaid dual eligible	0.0571	0.0223	0.0252	0.0005
Low-income subsidy (LIS)	0.0487	-0.0139	-0.0508	0.0457
Asian survey language	-0.0582	-0.0015	0.0000	0.0000

First Year Following a Consolidation

In the first year following a consolidation, the measure values for the surviving contract of a consolidation are calculated as the enrollment-weighted mean of all contracts in the consolidation. The month(s) of enrollment used to calculate the enrollment weighted means varies by the type of measure. Table B-1 below lists the enrollment used for each type of measure and the rule followed to determine the month(s) of enrollment. Table B-2 provides an example calculation.

Table B-1: Enrollment Month Used in Calculating Measure Scores for the Surviving Contract of a Consolidation

Type of Measure	Rule for Which Month of Enrollment is Used	Month(s) of Enrollment Used for 2025 Star Ratings
CAHPS	Enrollment at the time survey sample is pulled	January 2024
Call Center	Average enrollment during the study period	Feb 2024 – May 2024
HOS	Enrollment at the time survey sample is pulled	April 2023
HEDIS-HOS	Enrollment at the time survey sample is pulled	April 2023
HEDIS	Enrollment in July of the measurement period	July 2023
All Other Measures	Enrollment in July of the measurement period	July 2023

Table B-2: Example of Calculating the Measure Score for the Surviving Contract of a Consolidation

Contract ID	Surviving or Consumed Contract	Value for Breast Cancer Screening (BCS) Measure	July 2023 Enrollment
HAAAA	Surviving	75.13	43,326
HAAAB	Consumed	50.91	20,933

$$\text{Value for BCS for HAAAA} = \frac{75.13 \times 43,326 + 50.91 \times 20,933}{43,326 + 20,933} = 67.240097$$

Second Year Following a Consolidation

In the second year following a consolidation, the measure values for the surviving contract of a consolidation are as reported for CAHPS, call center, HOS, and HEDIS measures. For all other measures, the measure values for the surviving contract of a consolidation are calculated as the enrollment weighted mean of all contracts in the consolidation.

Attachment C: National Averages for Part C and D Measures

The tables below contain the average of contract numeric and star values for each measure reported in the 2025 Star Ratings. The averages are calculated after the disaster adjustment has been applied.

Table C-1: National Averages for Part C Measures

Measure ID	Measure Name	Numeric Average	Star Average
C01	Breast Cancer Screening	73%	3.4
C02	Colorectal Cancer Screening	73%	3.4
C03	Annual Flu Vaccine	69%	3.2
C04	Monitoring Physical Activity	50%	3.1
C05	Special Needs Plan (SNP) Care Management	75%	3.4
C06	Care for Older Adults – Medication Review	93%	4.1
C07	Care for Older Adults – Pain Assessment	93%	4.2
C08	Osteoporosis Management in Women who had a Fracture	43%	2.7
C09	Diabetes Care – Eye Exam	75%	3.4
C10	Diabetes Care – Blood Sugar Controlled	83%	3.7
C11	Controlling Blood Pressure	76%	3.0
C12	Reducing the Risk of Falling	57%	2.6
C13	Improving Bladder Control	45%	3.0
C14	Medication Reconciliation Post-Discharge	73%	3.6
C15	Plan All-Cause Readmissions	11%	3.1
C16	Statin Therapy for Patients with Cardiovascular Disease	86%	3.0
C17	Transitions of Care	59%	3.0
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	58%	3.2
C19	Getting Needed Care	81	3.3
C20	Getting Appointments and Care Quickly	84	3.5
C21	Customer Service	90	3.5
C22	Rating of Health Care Quality	87	3.5
C23	Rating of Health Plan	87	3.2
C24	Care Coordination	87	3.6
C25	Complaints about the Health Plan	0.23	4.2
C26	Members Choosing to Leave the Plan	17%	3.6
C27	Health Plan Quality Improvement	Medicare only shows a Star Rating for this measure	3.6
C28	Plan Makes Timely Decisions about Appeals	96%	4.2
C29	Reviewing Appeals Decisions	95%	3.7
C30	Call Center – Foreign Language Interpreter and TTY Availability	94%	4.0

Measure ID	Measure Name	MA-PD Numeric Average	MA-PD Star Average	PDP Numeric Average	PDP Star Average
D01	Call Center – Foreign Language Interpreter and TTY Availability	94	4.0	97	3.6
D02	Complaints about the Drug Plan	0.23	4.2	0.04	4.6
D03	Members Choosing to Leave the Plan	17	3.6	10	3.7
D04	Drug Plan Quality Improvement	Medicare only shows a Star Rating for this measure	3.3	Medicare only shows a Star Rating for this measure	3.0
D05	Rating of Drug Plan	87	3.4	84	3.5
D06	Getting Needed Prescription Drugs	89	3.3	89	3.7
D07	MPF Price Accuracy	98	3.4	97	3.1
D08	Medication Adherence for Diabetes Medications	86	3.2	86	2.4
D09	Medication Adherence for Hypertension (RAS antagonists)	89	3.3	89	2.9
D10	Medication Adherence for Cholesterol (Statins)	88	3.3	88	2.9
D11	MTM Program Completion Rate for CMR	87	3.7	55	3.0
D12	Statin Use in Persons with Diabetes (SUPD)	86	2.8	83	2.7

Table D-1: Part C Measure Data Time Frames

Measure ID	Measure Name	Primary Data Source	Data Time Frame
C01	Breast Cancer Screening	HEDIS	01/01/2023 – 12/31/2023
C02	Colorectal Cancer Screening	HEDIS	01/01/2023 – 12/31/2023
C03	Annual Flu Vaccine	CAHPS	03/2024 – 06/2024
C04	Monitoring Physical Activity	HEDIS-HOS	07/17/2023 – 11/01/2023
C05	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	01/01/2023 – 12/31/2023
C06	Care for Older Adults – Medication Review	HEDIS	01/01/2023 – 12/31/2023
C07	Care for Older Adults – Pain Assessment	HEDIS	01/01/2023 – 12/31/2023
C08	Osteoporosis Management in Women who had a Fracture	HEDIS	01/01/2023 – 12/31/2023
C09	Diabetes Care – Eye Exam	HEDIS	01/01/2023 – 12/31/2023
C10	Diabetes Care – Blood Sugar Controlled	HEDIS	01/01/2023 – 12/31/2023
C11	Controlling Blood Pressure	HEDIS	01/01/2023 – 12/31/2023
C12	Reducing the Risk of Falling	HEDIS-HOS	07/17/2023 – 11/01/2023
C13	Improving Bladder Control	HEDIS-HOS	07/17/2023 – 11/01/2023
C14	Medication Reconciliation Post-Discharge	HEDIS	01/01/2023 – 12/31/2023
C15	Plan All-Cause Readmission	HEDIS	01/01/2023 – 12/31/2023
C16	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	01/01/2023 – 12/31/2023
C17	Transitions of Care	HEDIS	01/01/2023 – 12/31/2023
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	HEDIS	01/01/2023 – 12/31/2023
C19	Getting Needed Care	CAHPS	03/2024 – 06/2024
C20	Getting Appointments and Care Quickly	CAHPS	03/2024 – 06/2024
C21	Customer Service	CAHPS	03/2024 – 06/2024
C22	Rating of Health Care Quality	CAHPS	03/2024 – 06/2024
C23	Rating of Health Plan	CAHPS	03/2024 – 06/2024
C24	Care Coordination	CAHPS	03/2024 – 06/2024
C25	Complaints about the Health Plan	Complaints Tracking Module (CTM)	01/01/2023 – 12/31/2023
C26	Members Choosing to Leave the Plan	MBDSS	01/01/2023 – 12/31/2023
C27	Health Plan Quality Improvement	Star Ratings	Not Applicable
C28	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE)	01/01/2023 – 12/31/2023
C29	Reviewing Appeals Decisions	Independent Review Entity (IRE)	01/01/2023 – 12/31/2023
C30	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2024 – 05/2024

Measure ID	Measure Name	Primary Data Source	Data Time Frame
D01	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2024 – 05/2024
D02	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	01/01/2023 – 12/31/2023
D03	Members Choosing to Leave the Plan	MBDSS	01/01/2023 – 12/31/2023
D04	Drug Plan Quality Improvement	Star Ratings	Not Applicable
D05	Rating of Drug Plan	CAHPS	03/2024 – 06/2024
D06	Getting Needed Prescription Drugs	CAHPS	03/2024 – 06/2024
D07	MPF Price Accuracy	PDE data, MPF Pricing Files	01/01/2023 – 09/30/2023
D08	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) data	01/01/2023 – 12/31/2023
D09	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) data	01/01/2023 – 12/31/2023
D10	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) data	01/01/2023 – 12/31/2023
D11	MTM Program Completion Rate for CMR	Part D Plan Reporting	01/01/2023 – 12/31/2023
D12	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) data	01/01/2023 – 12/31/2023

1. Medicare Part C Reporting Requirements Measure (C05: SNP Care Management)

Step 1: Start with all contracts that offer at least one SNP plan that was active at any point during contract year 2023.

Step 2: Exclude contracts that did not have 30 or more enrollees in the denominator [Number of new enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual HRA (Element B) $\geq$ 30] during contract year 2023.

Exclude any contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 15, 2024), or that were not required to participate in data validation. This exclusion is consistent with the statement from page 6 of the CY 2023 Medicare Part C Plan Reporting Requirements Technical Specifications Document: “**Note:** If a contract terminates before July 1 in the following year after the contract year (CY) reporting period, the contract is not required to report any data for the respective two years – the CY reporting period, and the following year... If a PBP (Plan) under a contract terminates at any time in the CY reporting period and the contract remains active through July 1 of the following year, the contract must still report data for all PBPs, including the terminated PBP.”

This excludes:

- Contracts that terminate on or before 07/01/2024 according to the Contract Info extract.

Additionally, exclude contracts that did not score at least 95% on data validation for their plan reporting of the SNP Care Management section and contracts that scored 95% or higher on data validation for the SNP Care Management section but that were not compliant with data validation standards/sub-standards for at least one of the following SNP data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- Number of new enrollees due for an initial HRA (Element A)
- Number of enrollees eligible for an annual reassessment HRA (Element B)
- Number of initial HRAs performed on new enrollees (Element C)
- Number of annual reassessments performed on enrollees eligible for reassessment (Element F)

Step 3: After removing contract data excluded above, suppress contract rates based on the following rules:

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2023 SNP Care Reporting Requirements data are listed as “CMS identified issues with this plan’s data.”

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2023 SNP Care Reporting Requirements data but that failed at least one of the four data elements (elements A, B, C, and F) are listed as “CMS identified issues with this plan’s data.”

Small size: Contracts that have not yet been suppressed and have a SNP Care Assessment rate denominator [Number of New Enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual reassessment HRA (Element B)] of fewer than 30 are listed as “No data available.”

Organizations can view their own plan reporting data validation results in HPMS

(<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

Step 4: Calculate the rate for the remaining contract using the formula:

$$\begin{aligned} & [\text{Number of initial HRAs performed on new enrollees (Element C)} \\ & + \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ & / [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ & + \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}$$

2. NCQA HEDIS Measures - (C06 – C07: Care for Older Adults)

The example NCQA measure combining methodology specifications below are written for two Plan Benefit Package (PBP) submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

Rates are produced for any contract offering a SNP in the ratings year which provided SNP HEDIS data in the measurement year.

Definitions

Let N_1 = The Total Number of Members Eligible for the HEDIS measure in the first PBP ("fixed" and auditable)

Let N_2 = The Total Number of Members Eligible for the HEDIS measure in the second PBP ("fixed" and auditable)

Let P_1 = The estimated rate (mean) for the HEDIS measure in the first PBP (auditable)

Let P_2 = The estimated rate (mean) for the same HEDIS measure in the second PBP (auditable)

Setup Calculations

Based on the above definitions, there are two additional calculations:

Let W_1 = The weight assigned to the first PBP results (estimated, auditable). This is estimated from the formula $W_1 = N_1 / (N_1 + N_2)$

Let W_2 = The weight assigned to the second PBP results (estimated, auditable). This is estimated from the formula $W_2 = N_2 / (N_1 + N_2)$

Pooled Analysis

The pooled result from the two rates (means) is calculated as: $P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$

NOTES:

Weights are based on the eligible member population. While it may be more accurate to remove all excluded members before weighting, NCQA and CMS have chosen not to do this (to simplify the method) for two reasons: 1) the number of exclusions relative to the size of the population should be small, and 2) exclusion rates (as a percentage of the eligible population) should be similar for each PBP and negligibly affect the weights.

If one or more of the submissions has a status of NA, those submissions are dropped and not included in the weighted rate (mean) calculations. If one or more of the submissions has an audit designation of BR or NR (which has been determined to be biased or is not reported by choice of the contract), the rate is set to zero as detailed in the section titled "Handling of Biased, Erroneous and/or Not Reportable (NR) Data" and the

average enrollment for the year is used for the eligible population in the PBP. An example is shown in table E-1.

Table E-1: Example Calculation Using Effectiveness of Care Rate

Numeric Example Using an Effectiveness of Care Rate	
# of Total Members Eligible for the HEDIS measure in PBP 1, N_1 =	1500
# of Total Members Eligible for the HEDIS measure in PBP 2, N_2 =	2500
HEDIS Result for PBP 1, Enter as a Proportion between 0 and 1, P_1 =	0.75
HEDIS Result for PBP 2, Enter as a Proportion between 0 and 1, P_2 =	0.5
Setup Calculations - Initialize Some Intermediate Results	
The weight for PBP 1 product estimated by $W_1 = N_1 / (N_1 + N_2)$	0.375
The weight for PBP 2 product estimated by $W_2 = N_2 / (N_1 + N_2)$	0.625
Pooled Results	
$P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$	0.59375

All data are available in the CMS MY 2023 HEDIS® Public Use File (PUF)¹ and can be looked up by IndicatorKey (row) and Variable name (column).

The calculations below use the Denominator, ObservedCount and ExpectedCount values from the PCR (18-64) indicator (IndicatorKey = 202025_20) and the PCR (65+) indicator (IndicatorKey = 202111_20).

For each contract, calculate the (18+) Denominator, ObservedCount, and ExpectedCount:

$$\begin{aligned}\text{Denominator}(18+) &= \text{Denominator}(18-64) + \text{Denominator}(65+) \\ \text{ObservedCount}(18+) &= \text{ObservedCount}(18-64) + \text{ObservedCount}(65+) \\ \text{ExpectedCount}(18+) &= \text{ExpectedCount}(18-64) + \text{ExpectedCount}(65+)\end{aligned}$$

Using these (18+) values, calculate the (18+) Observed-over-Expected ratio (OE):

$$\text{OE}(18+) = \left(\frac{\text{ObservedCount}(18+)}{\text{ExpectedCount}(18+)} \right)$$

And the national average of the (18+) Observed Rate:

$$\text{NatAvgObs}(18+) = \text{Average} \left(\left(\frac{\text{ObservedCount}(18+)_1}{\text{Denominator}(18+)_1} \right) + \dots + \left(\frac{\text{ObservedCount}(18+)_n}{\text{Denominator}(18+)_n} \right) \right)$$

Where 1 through n are all contracts with a (18+) Denominator larger than or equal to 150, and a (18+) OE larger than or equal to 0.2 and less than or equal to 5.0.

For each contract, calculate the Final Rate and convert to percentages:

$$\text{Final Rate}(18+) = \text{OE}(18+) \times \text{NatAvgObs}(18+) \times 100$$

And round to the nearest integer.

Example: Calculating the final rate for Contract 1

Contract	IndicatorKey	Denominator	ObservedCount	ExpectedCount
Contract 1	202025_20	214	8	12
Contract 1	202111_20	4,792	641	642
Contract 2	202025_20	225	12	7
Contract 2	202111_20	4,761	688	668
Contract 3	202025_20	573	31	35
Contract 3	202111_20	8,629	1,126	1,070
Contract 4	202025_20	12	0	1
Contract 4	202111_20	533	79	73

$$\text{NatAvgObs} = \text{Average} \left(\left(\frac{8+641}{214+4,792} \right) + \left(\frac{12+688}{225+4,761} \right) + \left(\frac{31+1,126}{573+8,629} \right) + \left(\frac{0+79}{12+533} \right) \right)$$

$$\text{NatAvgObs} = 0.135181$$

$$\text{OE Contract 1} = \left(\frac{8+641}{12+642} \right) = 0.992355$$

$$\text{Final Rate Contract 1} = 0.992355 \times 0.135181 \times 100 = 13.41$$

$$\text{Final Rate reported for Contract 1} = 13\%$$

The actual calculated National Observed Rate used in the 2025 Star Ratings was 0.110821345940212.

¹ <https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/MCRAdvPartDenrolData/MA-HEDIS-Public-Use-Files>

Attachment G: Weights Assigned to Individual Performance Measures

Table G-1: Part C Measure Weights

Measure ID	Measure Name	Weighting Category	Part C Summary and MA-PD Overall
C01	Breast Cancer Screening	Process Measure	1
C02	Colorectal Cancer Screening	Process Measure	1
C03	Annual Flu Vaccine	Process Measure	1
C04	Monitoring Physical Activity	Process Measure	1
C05	Special Needs Plan (SNP) Care Management	Process Measure	1
C06	Care for Older Adults – Medication Review	Process Measure	1
C07	Care for Older Adults – Pain Assessment	Process Measure	1
C08	Osteoporosis Management in Women who had a Fracture	Process Measure	1
C09	Diabetes Care – Eye Exam	Process Measure	1
C10	Diabetes Care – Blood Sugar Controlled	Intermediate Outcome Measure	3
C11	Controlling Blood Pressure	Intermediate Outcome Measure	3
C12	Reducing the Risk of Falling	Process Measure	1
C13	Improving Bladder Control	Process Measure	1
C14	Medication Reconciliation Post-Discharge	Process Measure	1
C15	Plan All-Cause Readmissions	Outcome Measure	3
C16	Statin Therapy for Patients with Cardiovascular Disease	Process Measure	1
C17	Transitions of Care	Process Measure	1
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	Process Measure	1
C19	Getting Needed Care	Patients' Experience and Complaints Measure	4
C20	Getting Appointments and Care Quickly	Patients' Experience and Complaints Measure	4
C21	Customer Service	Patients' Experience and Complaints Measure	4
C22	Rating of Health Care Quality	Patients' Experience and Complaints Measure	4
C23	Rating of Health Plan	Patients' Experience and Complaints Measure	4
C24	Care Coordination	Patients' Experience and Complaints Measure	4
C25	Complaints about the Health Plan	Patients' Experience and Complaints Measure	4
C26	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
C27	Health Plan Quality Improvement	Improvement Measure	5
C28	Plan Makes Timely Decisions about Appeals	Measures Capturing Access	4
C29	Reviewing Appeals Decisions	Measures Capturing Access	4
C30	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4

Measure ID	Measure Name	Weighting Category	Part D Summary and MA-PD Overall
D01	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4
D02	Complaints about the Drug Plan	Patients' Experience and Complaints Measure	4
D03	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
D04	Drug Plan Quality Improvement	Improvement Measure	5
D05	Rating of Drug Plan	Patients' Experience and Complaints Measure	4
D06	Getting Needed Prescription Drugs	Patients' Experience and Complaints Measure	4
D07	MPF Price Accuracy	Process Measure	1
D08*	Medication Adherence for Diabetes Medications	Intermediate Outcome Measure	3
D09*	Medication Adherence for Hypertension (RAS antagonists)	Intermediate Outcome Measure	3
D10*	Medication Adherence for Cholesterol (Statins)	Intermediate Outcome Measure	3
D11	MTM Program Completion Rate for CMR	Process Measure	1
D12	Statin Use in Persons with Diabetes (SUPD)	Process Measure	1

*For contracts whose service area only covers Puerto Rico, the weight for each adherence measure is set to zero (0) when calculating the summary and overall rating.

The weighted summary (or overall) Star Rating for contract j is estimated as:

$$\bar{x}_j = \frac{\sum_{i=1}^{n_j} w_{ij} x_{ij}}{\sum_{i=1}^{n_j} w_{ij}}$$

where n_j is the number of performance measures for which contract j is eligible; w_{ij} is the weight assigned to performance measure i for contract j ; and x_{ij} is the measure star for performance measure i for contract j . The variance of the Star Ratings for each contract j , s_j^2 , must also be computed in order to estimate the reward factor (r-Factor):

$$s_j^2 = \frac{n_j}{(n_j - 1)(\sum_{i=1}^{n_j} w_{ij})} \left[\sum_{i=1}^{n_j} w_{ij} (x_{ij} - \bar{x}_j)^2 \right]$$

Thus, the $\bar{x}_j$'s are the new summary (or overall) Star Ratings for the contracts. The variance estimate, s_j^2 , simply replaces the non-weighted variance estimate that was previously used for the r-Factor calculation. For all contracts j , $w_{ij} = w_i$ (i.e., the performance measure weights are the same for all contracts when estimating a given Star Rating (Part C or Part D summary or MA-PD overall ratings)).

Calculating the Improvement Measure

Contracts must have data for at least half of the attainment measures used to calculate the Part C or Part D improvement measure to be eligible to receive a rating in that improvement measure.

The improvement change score was determined for each measure for which a contract was eligible by calculating the difference in measure scores between Star Rating years 2024 and 2025.

For measures where a higher score is better:

$$\text{Improvement Change Score} = \text{Score in 2025} - \text{Score in 2024}$$

For measures where a lower score is better:

$$\text{Improvement Change Score} = \text{Score in 2024} - \text{Score in 2025}$$

An eligible measure was defined as a measure for which a contract was scored in both the 2024 and 2025 Star Ratings, and there were no significant measure specification changes or a regional contract reconfiguration for which only contract data is available from the original contract in one or both years.

For each measure, significant improvement or decline between Star Ratings years 2024 and 2025 was determined by a two-sided t-test at the 0.05 significance level:

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} > 1.96, \text{ then YES} = \text{significant improvement}$$

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} < -1.96, \text{ then YES} = \text{significant decline}$$

Hold Harmless Provision for Individual Measures: If a contract demonstrated statistically significant decline (at the 0.05 significance level) on an attainment measure for which they received five stars during both the current contract year and the prior contract year, then this measure will be counted as showing no significant change. Measures that are held harmless as described here will be considered eligible for the improvement measure. Net improvement is calculated for each class of measures (e.g., outcome, access, and process) by subtracting the number of significantly declined measures from the number of significantly improved measures.

$$\text{Net Improvement} = \text{Number of significantly improved measures} - \text{Number of significantly declined measures}$$

The improvement measure score is calculated for Parts C and D separately by taking a weighted sum of net improvement divided by the weighted sum of the number of eligible measures.

Measures are generally weighted as follows:

Outcome or intermediate outcome measure: Weight of 3

Access or patient experience/complaints measure: Weight of 4

Process measure: Weight of 1

Specific weights for each measure, which may deviate from the general scheme above are described in [Attachment G](#). When the weight of an individual measure changes over the two years of data used, the newer weight value is used in the improvement calculation.

$$\text{Improvement Measure Score} = \frac{\text{Net\_Imp\_Process} + 3 * \text{Net\_Imp\_Outcome} + 4 * \text{Net\_Imp\_PtExp}}{\text{Elig\_Process} + 3 * \text{Elig\_Outcome} + 4 * \text{Elig\_PtExp}}$$

Net_Imp_Process = Net improvement for process measures

Net_Imp_Outcome = Net improvement for outcome and intermediate outcome measures

Net_Imp_PtExp = Net improvement for patient experience/complaints and access measures

Elig_Process = Number of eligible process measures

Elig_Outcome = Number of eligible outcome and intermediate outcome measures

Elig_PtExp = Number of eligible patient experience/complaints and access measures

The improvement measure score is converted into a Star Rating using the clustering method. Conceptually, the clustering algorithm identifies the “gaps” in the data and creates cut points that result in the creation of five categories (one for each Star Rating) such that scores of contracts in the same score category (Star Rating) are as similar as possible, and scores of contracts in different categories are as different as possible. Improvement scores of 0 (equivalent to no net change on the attainment measures included in the improvement measure calculation) will be centered at 3 stars when assigning the improvement measure Star Rating. Then, the remaining contracts are split into two groups and clustered: 1) improvement scores less than zero receive one or two stars on the improvement measure and 2) improvement scores greater than or equal to zero receive 3, 4, or 5 stars.

General Standard Error Formula

Because a contract’s score on a given measure in one year is not independent of its score in the next year, the standard error for the improvement change score for each measure is calculated using the standard approach for estimating the variance of the difference between two variables that may not be independent. In particular, the standard error of the improvement change score is calculated using the formula:

$$\sqrt{se(Y_{i2})^2 + se(Y_{i1})^2 - 2 * Cov(Y_{i2}, Y_{i1})}$$

Using measure C01 as an example, the change score standard error is:

$se(Y_{i2})$ Represents the 2025 standard error for contract i on measure C01

$se(Y_{i1})$ Represents the 2024 standard error for contract i on measure C01

Y_{i2} Represents the 2025 rate for contract i on measure C01

Y_{i1} Represents the 2024 rate for contract i on measure C01

cov Represents the covariance between Y_{i2} and Y_{i1} computed using the correlation across all contracts observed at both time points (2025 and 2024). In other words:

$$cov(Y_{i2}, Y_{i1}) = se(Y_{i2}) * se(Y_{i1}) * Corr(Y_{i2}, Y_{i1})$$

where the correlation $Corr(Y_{i2}, Y_{i1})$ is assumed to be the same for all contracts and is computed using data for all contracts for which both years’ measure scores are available and not excluded by the disaster policy. This assumption is needed because only one score is observed for each contract in each year; therefore, it is not possible to compute a contract-specific correlation.

Improvement Change Score Standard Error Numerical Example

For measure C03, contract A:

$$se(Y_{i2}) = 2.805$$

$$se(Y_{i1}) = 3.000$$

$$Corr(Y_{i2}, Y_{i1}) = 0.901$$

Improvement change score standard error for measure C03 for contract A = $\sqrt{2.805^2 + 3.000^2 - 2 * 0.901 * 2.805 * 3.000} = 1.305$

Standard Error Formulas (SEF) for Specific Measures

The following formulas are used for calculating the contract-specific standard errors for specific measures in the 2025 Star Ratings. These standard errors are used in calculating the improvement change score standard error.

1. SEF for Measures: C01, C02, C04, C05, C08 – C14, C16, C18, C26, C28 – C30, D01, D03, D08 – D12

$$SE_y = \sqrt{\frac{Score_y * (100 - Score_y)}{Denominator_y}}$$

for y = 2024, 2025

Denominator_y is as defined in the Measure Details section for each measure.

2. SEF for Measures: C06, C07

These measures are rolled up from the plan level to the contract level following the formula outlined in [Attachment E](#): NCQA HEDIS Measures. The standard error at the contract level is calculated as shown below. The specifications are written for two PBP submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

The plan level standard error is calculated as:

$$SE_{yj} = \sqrt{\frac{Score_{yj} * (100 - Score_{yj})}{Denominator_{yj}}}$$

for y = 2024, 2025 and j = Plan 1, Plan 2

The contract level standard error is then calculated as:

Let W_{y1} = The weight assigned to the first PBP results (estimated, auditable) for year y, where y = 2024, 2025. This result is estimated by the formula $W_{y1} = N_{y1} / (N_{y1} + N_{y2})$

Let W_{y2} = The weight assigned to the second PBP results (estimated, auditable) for year y, where y = 2024, 2025. This result is estimated by the formula

$$SE_{yi} = \sqrt{\frac{W_{y2} = N_{y2} / (N_{y1} + N_{y2})}{(W_{y1})^2 * (SE_{y1})^2 + (W_{y2})^2 * (SE_{y2})^2}}$$

for y = Contract Year 2024, Contract Year 2025 and i = Contract i

3. SEF for Measure C15

$$SE_y = 100 * National\ Observed\ Rate_y * \sqrt{\frac{Observed\ Count_y}{Expected\ Count_y^2}}$$

for y = 2024, 2025

National Observed Rate, Observed Count, and Expected Count as defined in Attachment F.

4. SEF for Measure C17

Let T_{1y} , T_{2y} , T_{3y} , and T_{4y} be the four Transitions of Care component measures.

Let Z_y be the Transitions of Care measure, which is calculated as an average of the four component measures.

$$\text{Var}(Z_y) = \frac{1}{16} * [\text{Var}(T_{1y}) + \text{Var}(T_{2y}) + \text{Var}(T_{3y}) + \text{Var}(T_{4y}) + 2\text{Cov}(T_{1y}, T_{2y}) + 2\text{Cov}(T_{1y}, T_{3y}) + 2\text{Cov}(T_{1y}, T_{4y}) + 2\text{Cov}(T_{2y}, T_{3y}) + 2\text{Cov}(T_{2y}, T_{4y}) + 2\text{Cov}(T_{3y}, T_{4y})]$$

$$\text{SE}_y = \sqrt{\text{Var}(Z_y)}$$

for $y = 2024, 2025$

In the above formula, $\text{Var}(T_{1y}) = (100 * \frac{n_{1y}}{d_{1y}}) * \frac{(100 - (100 * \frac{n_{1y}}{d_{1y}}))}{d_{1y}}$ where n_{1y} is the numerator for T_{1y} and d_{1y} the denominator, and so on for each of the four component measures.

$\text{Cov}(T_{1y}, T_{2y}) = \text{Corr}(T_{1y}, T_{2y}) * \sqrt{\text{Var}(T_{1y})} * \sqrt{\text{Var}(T_{2y})}$ and so on for each pair of component measures. We estimate the correlations between pairs of component measures by calculating the sample correlation across all contract scores. These correlations are shown in the table below.

Measures		2024 Correlation	2025 Correlation
Patient Engagement After Inpatient Discharge	Receipt of Discharge Information	0.5365156597	0.5723177632
Patient Engagement After Inpatient Discharge	Notification of Inpatient Admission	0.5772548760	0.4998099740
Patient Engagement After Inpatient Discharge	Medication Reconciliation Post-Discharge	0.6402980802	0.5632670669
Receipt of Discharge Information	Notification of Inpatient Admission	0.8834120211	0.7605860074
Receipt of Discharge Information	Medication Reconciliation Post-Discharge	0.4149497554	0.4270200633
Notification of Inpatient Admission	Medication Reconciliation Post-Discharge	0.5010530425	0.5317177847

5. SEF for Measures: C03, C19 – C24, and D05, D06

The CAHPS measure standard errors for 2024 and 2025 were provided to CMS by the CAHPS contractor following the formulas documented in the [CAHPS Macro Manual](#). The actual values used for each contract are included on the Measure Detail CAHPS page in the HPMS preview area.

6. SEF for Measures: C25, D02

$$\text{SE}_y = \sqrt{\frac{\text{Total Number of Complaints}_y}{(\text{Average Contract Enrollment}_y)^2} * \frac{1000 * 30}{\text{NumDays}}}$$

NumDays: 2024 = 365, 2025 = 365

7. SEF for Measure D07

The standard error of the MPF Composite Price Accuracy Score for each contract is calculated by using binomial approximations for each of the component scores (Price Accuracy Score and Claim Percentage Score, as described in [Attachment M](#)). Since the MPF Composite Price Accuracy Score is equal to $(0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$, the composite measure's variance (and standard error) is a function of the variance of the Price Accuracy Score, the variance of the Claim Percentage Score, and the covariance between them. We assume that the product of the total PDE cost and the Price Accuracy Score (on a 0-1 scale) follows a binomial distribution, and likewise that the product of the number of PDE claims and the Claims Percentage Score (on a 0-1 scale) also follows a binomial distribution. With these assumptions in place, the standard error of the MPF Composite Accuracy Score is calculated as follows:

1. The contract's component scores, on their original 0-100 scale, have variances calculable using formulas based on the binomial variance assumptions described above, separately for each year $y = 2024, 2025$.

a. For the Price Accuracy Score, the variance in year y is represented by

$$\text{Var}(\text{Price Acc. Score}_y) = \frac{(\text{Price Acc. Score}_y \times (100 - \text{Price Acc. Score}_y))}{\text{Total PDE Cost}_y}$$

b. For the Claim Percentage Score, the variance in year y is represented by

$$\text{Var}(\text{Claims Pct. Score}_y) = \frac{(\text{Claims Pct. Score}_y \times (100 - \text{Claims Pct. Score}_y))}{\text{Number of PDE Claims}_y}$$

2. The contract-specific covariance between the component scores, shown as

$\text{Cov}(\text{Price Acc. Score}_y, \text{Claim Pct. Score}_y)$ in step 3 below, is calculated as the product of:

- the contract-specific standard errors of the two component scores, which are the square roots of the two variance estimates shown above in step 1, and
- the correlation between the two component scores estimated based on all contracts. The correlations for the two measurement years are shown below.

2024 Correlation	2025 Correlation
0.6214825861	0.5681259498

3. The standard error of the MPF Composite Price Accuracy Score is calculated from the components calculated in steps 1 and 2 as shown below:

$$SE_y = \sqrt{\frac{\text{Var}(\text{Price Acc. Score}_y)}{4} + \frac{\text{Var}(\text{Claim Pct. Score}_y)}{4} + \frac{\text{Cov}(\text{Price Acc. Score}_y, \text{Claim Pct. Score}_y)}{2}}$$

for $y = 2024, 2025$

Table I-1: Part C Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
C01	Breast Cancer Screening	Included	0.950135
C02	Colorectal Cancer Screening	Included	0.896510
C03	Annual Flu Vaccine	Included	0.888026
C04	Monitoring Physical Activity	Included	0.845098
C05	Special Needs Plan (SNP) Care Management	Included	0.889508
C06	Care for Older Adults – Medication Review	Included	0.651050
C07	Care for Older Adults – Pain Assessment	Included	0.472401
C08	Osteoporosis Management in Women who had a Fracture	Included	0.848314
C09	Diabetes Care – Eye Exam	Included	0.855310
C10	Diabetes Care – Blood Sugar Controlled	Included	0.779129
C11	Controlling Blood Pressure	Included	0.787937
C12	Reducing the Risk of Falling	Included	0.842070
C13	Improving Bladder Control	Included	0.480390
C14	Medication Reconciliation Post-Discharge	Included	0.818848
C15	Plan All-Cause Readmissions	Included	0.622494
C16	Statin Therapy for Patients with Cardiovascular Disease	Included	0.730543
C17	Transitions of Care	Included	0.845898
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	Included	0.739526
C19	Getting Needed Care	Included	0.796622
C20	Getting Appointments and Care Quickly	Included	0.477681
C21	Customer Service	Included	0.709932
C22	Rating of Health Care Quality	Included	0.715693
C23	Rating of Health Plan	Included	0.859045
C24	Care Coordination	Included	0.670450
C25	Complaints about the Health Plan	Included	0.826982
C26	Members Choosing to Leave the Plan	Included	0.887075
C27	Health Plan Quality Improvement	Not Included	-
C28	Plan Makes Timely Decisions about Appeals	Included	0.329153
C29	Reviewing Appeals Decisions	Included	0.610325
C30	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.280278

Measure ID	Measure Name	Measure Usage	Correlation
D01	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.303658
D02	Complaints about the Drug Plan	Included	0.832704
D03	Members Choosing to Leave the Plan	Included	0.881507
D04	Drug Plan Quality Improvement	Not Included	-
D05	Rating of Drug Plan	Included	0.817940
D06	Getting Needed Prescription Drugs	Included	0.659200
D07	MPF Price Accuracy	Included	0.643115
D08	Medication Adherence for Diabetes Medications	Included	0.644643
D09	Medication Adherence for Hypertension (RAS antagonists)	Included	0.812564
D10	Medication Adherence for Cholesterol (Statins)	Included	0.807284
D11	MTM Program Completion Rate for CMR	Included	0.867800
D12	Statin Use in Persons with Diabetes (SUPD)	Included	0.836392

Attachment J: Star Ratings Measure History

The tables below cross-reference the measures code in each of the yearly Star Ratings releases. Measure codes that begin with DM are display measures which are posted on CMS.gov on this page: <http://go.cms.gov/partcanddstarratings>.

Table J-1: Part C Measure History

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
C	Access to Primary Care Doctor Visits	HEDIS			DMC08	DMC09	DMC09	DMC09	DMC09	DMC10	DMC10	DMC11	DMC10	DMC12	DMC12	C11
C	Adult BMI Assessment	HEDIS					C07	C07	C07	C07	C07	C07	C08	C10	C10	C12
C	Annual Flu Vaccine	CAHPS	C03	C03	C03	C03	C03	C03	C03	C03	C03	C03	C04	C06	C06	C06
C	Antidepressant Medication Management (6 months)	HEDIS	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC03	DMC03	DMC03	DMC03	DMC03
C	Appropriate Monitoring of Patients Taking Long-term Medications	HEDIS								DMC04	DMC04	DMC05	DMC05	DMC05	DMC05	DMC05
C	Asthma Medication Ratio	HEDIS								DMC18	DMC27					
C	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	DME07	C30	C28	C28	DME08	C31	C31	C32
C	Breast Cancer Screening	HEDIS	C01	C01	C01	C01	C01	C01	C01	C01	C01	C01	DMC22	C01	C01	C01
C	Call Answer Timeliness	HEDIS										DMC02	DMC02	DMC02	DMC02	DMC02
C	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMC06	DMC06	DMC06	DMC07	DMC07	DMC07	DMC07	DMC08	DMC08	DMC09	DMC09	DMC09	DMC09	DMC09
C	Call Center - Calls Disconnected When Customer Calls Health Plan	Call Center Monitoring	DMC09	DMC09	DMC09	DMC10	DMC10	DMC10	DMC10	DMC11	DMC11	DMC12		DMC15	DMC15	
C	Call Center – CSR Understandability	Call Center Monitoring														
C	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	C30	C30	C28	C28	C32	C33	C34	C34	C32	C32		C36	C36	C36
C	Call Center – Information Accuracy	Call Center Monitoring												DMC10	DMC10	DMC10
C	Cardiac Rehabilitation – Achievement	HEDIS	DMC25	DMC25	DMC29											
C	Cardiac Rehabilitation – Engagement 1	HEDIS	DMC26	DMC26	DMC30											
C	Cardiac Rehabilitation – Engagement 2	HEDIS	DMC27	DMC27	DMC31											
C	Cardiac Rehabilitation – Initiation	HEDIS	DMC28	DMC28	DCM32											
C	Cardiovascular Care – Cholesterol Screening	HEDIS											C02	C03	C03	C03
C	Care Coordination	CAHPS	C24	C24	C22	C22	C26	C27	C28	C27	C25	C25	C28	C29	C29	

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
C	Care for Older Adults – Functional Status Assessment	HEDIS	DMC21	DMC21	DMC25	DCM25	C10	C10	C10	C10	C10	C10	C11	C12	C12	C14
C	Care for Older Adults – Medication Review	HEDIS	C06	C06	C06	C06	C09	C09	C09	C09	C09	C09	C10	C11	C11	C13
C	Care for Older Adults – Pain Assessment	HEDIS	C07	C07	C07	C07	C11	C11	C11	C11	C11	C11	C12	C13	C13	C15
C	Colorectal Cancer Screening	HEDIS	C02	C02	C02	C02	C02	C02	C02	C02	C02	C02	C01	C02	C02	C02
C	Colorectal Cancer Screening – Age 45-75	HEDIS	DMC29	DMC29												
C	Complaints about the Health Plan	CTM	C25/D02	C25/D02	C23/D02	C23/D02	C27/D04	C28/D04	C29/D04	C28/D04	C26/D04	C26/D04	C29/D03	C30/D04	C30/D06	C31/D06
C	Computer use by provider helpful	CAHPS									DMC20	DMC21	DMC20			
C	Computer use made talking to provider easier	CAHPS									DMC21	DMC22	DMC21			
C	Computer used during office visits	CAHPS									DMC19	DMC20	DMC19			
C	Continuous Beta Blocker Treatment	HEDIS	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC04	DMC04	DMC04	DMC04	DMC04
C	Controlling Blood Pressure	HEDIS	C11	C11	C12	DMC16	DMC16	DMC17	C16	C16	C16	C16	C18	C19	C19	C21
C	Customer Service	CAHPS	C21	C21	C19	C19	C23	C24	C25	C24	C22	C22	C25	C26	C26	C28
C	Diabetes Care – Blood Sugar Controlled	HEDIS	C10	C10	C11	C11	C15	C15	C15	C15	C15	C15	C16	C17	C17	C19
C	Diabetes Care – Cholesterol Controlled	HEDIS											C17	C18	C18	C20
C	Diabetes Care – Cholesterol Screening	HEDIS											C03	C04	C04	C04
C	Diabetes Care – Eye Exam	HEDIS	C09	C09	C09	C09	C13	C13	C13	C13	C13	C13	C14	C15	C15	C17
C	Diabetes Care – Kidney Disease Monitoring	HEDIS			C10	C10	C14	C14	C14	C14	C14	C14	C15	C16	C16	C18
C	Doctors who Communicate Well	CAHPS	DMC05	DMC05	DMC05	DMC06	DMC06	DMC06	DMC06	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC08
C	Engagement of Substance Use Disorder (SUD) Treatment	HEDIS	DMC13	DMC13	DMC13	DMC14	DMC14	DMC14	DMC14	DMC15	DMC15	DMC16	DMC15	DMC19		
C	Enrollment Timeliness	MARx								DME01	DME01	DME01	DME01	DME01	C37/D05	D05
C	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	HEDIS	C18	C18	DMC15	DMC17	DMC17	DMC18								

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
C	Follow-up visit after Hospital Stay for Mental Illness (within 30 days of Discharge)	HEDIS	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01
C	Getting Appointments and Care Quickly	CAHPS	C20	C20	C18	C18	C22	C23	C24	C23	C21	C21	C24	C25	C25	C27
C	Getting Needed Care	CAHPS	C19	C19	C17	C17	C21	C22	C23	C22	C20	C20	C23	C24	C24	C26
C	Glaucoma Testing	HEDIS												C05	C05	C05
C	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11	
C	Health Plan Quality Improvement	Star Ratings	C27	C27	C25	C25	C29	C30	C31	C31	C29	C29	C31	C33	C33	
C	Hospitalizations for Potentially Preventable Complications	HEDIS	DMC15	DMC15	DMC14	DMC15	DMC15	DMC15	DMC15	DMC16	DMC24					
C	Improving Bladder Control	HEDIS-HOS	C13	C13	C14	C14	C18	C18	C19	C19	DMC22	DMC23	C20	C21	C21	C23
C	Improving or Maintaining Mental Health	HOS	DMC23	DMC23	DMC27	DMC27	C05	C05	C05	C05	C05	C05	C06	C08	C08	C09
C	Improving or Maintaining Physical Health	HOS	DMC24	DMC24	DMC28	DMC28	C04	C04	C04	C04	C04	C04	C05	C07	C07	C08
C	Initiation and Engagement of Substance Use Disorder (SUD) Treatment Average	HEDIS	DMC14	DMC14												
C	Initiation of Substance Use Disorder (SUD) Treatment	HEDIS	DMC12	DMC12	DMC12	DMC13	DMC13	DMC13	DMC13	DMC14	DMC14	DMC15	DMC14	DMC18		
C	Kidney Health Evaluation for Patients with Diabetes	HEDIS	DMC22	DMC22	DMC26											
C	Medication Management for People With Asthma	HEDIS									DMC26					
C	Medication Reconciliation Post-Discharge	HEDIS	C14	C14	C15	C15	C19	C19	C20	C20	DMC23					
C	Members Choosing to Leave the Plan	MBDSS	C26/D03	C26/D03	C24/D03	C24/D03	C28/D05	C29/D05	C30/D05	C29/D05	C27/D05	C27/D05	C30/D04	C32/D06	C32/D08	C33/D08
C	Monitoring Physical Activity	HEDIS-HOS	C04	C04	C04	C04	C06	C06	C06	C06	C06	C06	C07	C09	C09	C10
C	Osteoporosis Management in Women who had a Fracture	HEDIS	C08	C08	C08	C08	C12	C12	C12	C12	C12	C12	C13	C14	C14	C16
C	Osteoporosis Testing	HEDIS-HOS				DMC04	DMC04	DMC04	DMC04	DMC05	DMC05	DMC06	DMC06	DMC06	DMC06	DMC06
C	Pharmacotherapy Management of COPD Exacerbation – Bronchodilator	HEDIS	DMC11	DMC11	DMC11	DMC12	DMC12	DMC12	DMC12	DMC13	DMC13	DMC14	DMC13	DMC17		

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
C	Pharmacotherapy Management of COPD Exacerbation – Systemic Corticosteroid	HEDIS	DMC10	DMC10	DMC10	DMC11	DMC11	DMC11	DMC11	DMC12	DMC12	DMC13	DMC12	DMC16		
C	Physical Functioning Activities of Daily Living	HOS	DMC20	DMC20	DMC24											
C	Plan All-Cause Readmissions	HEDIS	C15	C15	DMC21	DMC23	DMC23	C20	C21	C21	C19	C22	C22	C23	C23	C25
C	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE) / Maximus	C28	C28	C26	C26	C30	C31	C32	C32	C30	C30	C32	C34	C34	C34
C	Pneumonia Vaccine	CAHPS	DMC07	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC09	DMC09	DMC10	DMC09	DMC11	DMC11	C07
C	Rating of Health Care Quality	CAHPS	C22	C22	C20	C20	C24	C25	C26	C25	C23	C23	C26	C27	C27	C29
C	Rating of Health Plan	CAHPS	C23	C23	C21	C21	C25	C26	C27	C26	C24	C24	C27	C28	C28	C30
C	Reducing the Risk of Falling	HEDIS-HOS	C12	C12	C13	C13	C17	C17	C18	C18	C18	C21	C22	C22	C22	C24
C	Reminders for appointments	CAHPS									DMC16	DMC17	DMC16			
C	Reminders for immunizations	CAHPS									DMC17	DMC18	DMC17			
C	Reminders for screening tests	CAHPS									DMC18	DMC19	DMC18			
C	Reviewing Appeals Decisions	Independent Review Entity (IRE) / Maximus	C29	C29	C27	C27	C31	C32	C33	C33	C31	C31	C33	C35	C35	C35
C	Rheumatoid Arthritis Management	HEDIS														
C	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	C05	C05	C05	C05	C08	C08	C08	C08	C08	C08	C09	DMC14	DMC14	
C	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	C16	C16	C16	C16	C20	C21	C22	DMC17	DMC25					
C	Testing to Confirm Chronic Obstructive Pulmonary Disease	HEDIS	DMC04	DMC04	DMC04	DMC05	DMC05	DMC05	DMC05	DMC06	DMC06	DMC07	DMC07	DMC07	DMC07	DMC07
C	Transitions of Care – Average	HEDIS	C17	C17	DMC20	DMC22	DMC22	DMC23								
C	Transitions of Care – Medication Reconciliation Post-Discharge	HEDIS	DMC16	DMC16	DMC16	DMC18	DMC18	DMC19								
C	Transitions of Care – Notification of Inpatient Admission	HEDIS	DMC17	DMC17	DMC17	DMC19	DMC19	DMC20								
C	Transitions of Care – Patient Engagement After Inpatient Discharge	HEDIS	DMC18	DMC18	DMC18	DMC20	DMC20	DMC21								

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
C	Transitions of Care – Receipt of Discharge Information	HEDIS	DMC19	DMC19	DMC19	DMC21	DMC21	DMC22								

Table J-2: Part D Measure History

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Notes
D	4Rx Timeliness	Acumen / OIS (4Rx)														DMD03	
D	Adherence – Proportion of Days Covered	Prescription Drug Event (PDE) Data															
D	Antipsychotic Use in Persons with Dementia	Prescription Drug Event (PDE) Data	DMD08	DMD08	DMD08	DMD08	DMD12	DMD14	DMD16	DMD18							
D	Appeals Auto-Forward	Independent Review Entity (IRE) / Maximus					D02	D02	D02	D02	D02	D02	D01	D02	D03	D03	
D	Appeals Upheld	Independent Review Entity (IRE) / Maximus					D03	D03	D03	D03	D03	D03	D02	D03	D04	D04	
D	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	DME07	D06	D06	D06	DME08	D05	D07	D07	
D	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMD02	DMD02	DMD02	DMD02	DMD04	DMD04	DMD04	DMD04	DMD04	DMD04		DMD04	DMD04	DMD05	
D	Call Center – Calls Disconnected – Pharmacist	Call Center Monitoring															
D	Call Center – Calls Disconnected When Customer Calls Drug Plan	Call Center Monitoring	DMD01	DMD01	DMD01	DMD01	DMD03	DMD03	DMD03	DMD03	DMD03	DMD03		DMD03	DMD03	DMD04	
D	Call Center – CSR Understandability	Call Center Monitoring															
D	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	D01	D01	D01	D01	D01	D01	D01	D01	D01	D01		D01	D02	D02	
D	Call Center – Information Accuracy	Call Center Monitoring												DMD05	DMD05	DMD06	
D	Call Center – Pharmacy Hold Time	Call Center Monitoring	DMD04	DMD04	DMD04	DMD04	DMD08	DMD09	DMD09	DMD09	DMD11	DMD11		DMD15	D01	D01	
D	Complaint Resolution	Complaints Tracking Module (CTM)															
D	Complaints – Enrollment	Complaints Tracking Module (CTM)															
D	Complaints – Other	Complaints Tracking Module (CTM)															

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Notes
D	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	C25/ D02	C25/ D02	C23/ D02	C23/ D02	C27 / D04	C28 / D04	C29 / D04	C28 / D04	C26 / D04	C26 / D04	C29 / D03	C30 / D04	C30 / D06	C31 / D06	Case 4:24-cv-01064-P Document 23-1 Filed 12/27/24 Page 147 of 844 PageID 270
D	Diabetes Medication Dosing	Prescription Drug Event (PDE) Data						DMD06	DMD06	DMD06	DMD06	DMD06	DMD04	DMD07	DMD07	DMD08	
D	Diabetes Treatment	Prescription Drug Event (PDE) Data											D10	D12	D15	D14	
D	Drug Plan Provides Current Information on Costs and Coverage for Medicare's Website	Acumen / OIT (LIS Match Rates)					DMD06	DMD07	DMD07	DMD07	DMD07	DMD07	DMD05	DMD08	DMD08	DMD09	
D	Drug Plan Quality Improvement	Star Ratings	D04	D04	D04	D04	D06	D06	D06	D07	D07	D07	D05	D07	D09		
D	Drug-Drug Interactions	Prescription Drug Event (PDE) Data					DMD05	DMD05	DMD05	DMD05	DMD05	DMD05	DMD03	DMD06	DMD06	DMD07	
D	Enrollment Timeliness	MARx								DME01	DME01	DME01	DME01	DME01	C37 / D05	D05	
D	Formulary Administration Analysis	Part D Sponsor							DMD15	DMD17							
D	Getting Information From Drug Plan	CAHPS									DMD10	DMD10	DMD09	DMD14	D10	D09	
D	Getting Needed Prescription Drugs	CAHPS	D06	D06	D06	D06	D08	D08	D08	D09	D09	D09	D07	D09	D12	D11	
D	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11	
D	High Risk Medication	Prescription Drug Event (PDE) Data						DMD14	DMD14	DMD16	D11	D11	D09	D11	D14	D13	
D	Initial Opioid Prescribing	Prescription Drug Event (PDE) Data	DMD15	DMD15	DMD15												
D	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) Data	D10	D10	D10	D10	D12	D12	D12	D13	D14	D14	D13	D15	D18	D17	
D	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) Data	D08	D08	D08	D08	D10	D10	D10	D11	D12	D12	D11	D13	D16	D15	
D	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) Data	D09	D09	D09	D09	D11	D11	D11	D12	D13	D13	D12	D14	D17	D16	
D	Members Choosing to Leave the Plan	MBDSS	C26/ D03	C26/ D03	C24/ D03	C24/ D03	C28 / D05	C29 / D05	C30 / D05	C29 / D05	C27 / D05	C27 / D05	C30 / D04	C32 / D06	C32 / D08	C33 / D08	
D	MPF – Composite	PDE Data, MPF Pricing Files														D12	B

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Notes
D	MPF – Stability	PDE Data, MPF Pricing Files	DMD03	DMD03	DMD03	DMD03	DMD07	DMD08	DMD08	DMD08	DMD08	DMD08	DMD06	DMD10	DMD10		A
D	MPF – Updates	PDE Data, MPF Pricing Files												DMD09	DMD09	DMD10	
D	MPF Price Accuracy	PDE Data, MPF Pricing Files	D07	D07	D07	D07	D09	D09	D09	D10	D10	D10	D08	D10	D13		A
D	MTM Program Completion Rate for CMR	Prescription Drug Event (PDE) Data	D11	D11	D11	D11	D13	D13	D13	D14	D15	D15	DMD07	DMD12	DMD12		
D	Persistence to Basal Insulin (PST-INS)	Prescription Drug Event (PDE) Data	DMD16	DMD16													
D	Plan Submitted Higher Prices for Display on MPF	PDE Data, MPF Pricing Files	DMD05	DMD05	DMD05	DMD05	DMD09	DMD10	DMD10	DMD10	DMD12	DMD12	DMD10	DMD16			
D	Polypharmacy: Use of Multiple Anticholinergic Medications in Older Adults (Poly-ACH)	Prescription Drug Event (PDE) Data	DMD13	DMD13	DMD13	DMD13	DMD20										
D	Polypharmacy: Use of Multiple CNS-Active Medications in Older Adults (Poly-CNS)	Prescription Drug Event (PDE) Data	DMD14	DMD14	DMD14	DMD14	DMD21										
D	Rate of Chronic Use of Atypical Antipsychotics by Elderly Beneficiaries in Nursing Homes	Fu Associates												DMD13	DMD13		
D	Rating of Drug Plan	CAHPS	D05	D05	D05	D05	D07	D07	D07	D08	D08	D08	D06	D08	D11	D10	
D	Reminders to fill prescriptions	CAHPS	DMD06	DMD06	DMD06	DMD06	DMD10	DMD11	DMD12	DMD13	DMD15	DMD15	DMD13				
D	Reminders to take medications	CAHPS	DMD07	DMD07	DMD07	DMD07	DMD11	DMD12	DMD13	DMD14	DMD16	DMD16	DMD14				
D	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) Data	D12	D12	D12	D12	D14	D14	D14	DMD15	DMD17						
D	Timely Effectuation of Appeals	Independent Review Entity (IRE) / Maximus					DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	
D	Timely Receipt of Case Files for Appeals	Independent Review Entity (IRE) / Maximus					DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	
D	Transition monitoring	Transition Monitoring Program Analysis							DMD11								D
D	Transition monitoring – failure rate for all other drugs	Transition Monitoring Program Analysis								DMD12	DMD14	DMD14	DMD12				C

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Notes
D	Transition monitoring – failure rate for drugs within classes of clinical concern	Transition Monitoring Program Analysis								DMD11	DMD13	DMD13	DMD11				C
D	Use of Opioids at High Dosage and from Multiple Providers in Persons Without Cancer (OHDMP)	Prescription Drug Event (PDE) Data					DMD15										
D	Use of Opioids at High Dosage in Persons Without Cancer (OHD)	Prescription Drug Event (PDE) Data	DMD11	DMD11	DMD11	DMD11	DMD18										
D	Use of Opioids from Multiple Providers in Persons Without Cancer (OMP)	Prescription Drug Event (PDE) Data	DMD12	DMD12	DMD12	DMD12	DMD19										

Notes:

- A: Part of composite measure MPF - Composite in 2011 – 2012
 B: Composite measure - combined MPF - Accuracy and MPF Stability
 C: Part of composite measure Transition Monitoring - Composite starting in 2019
 D: Composite Measure – “Transition monitoring - failure rate for drugs within classes of clinical concern” and “Transition monitoring - failure rate for all other drugs”

Table J-3: Common Part C & Part D Measure History

Part	Measure Name	Data Source	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
E	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	DME07	C30 / D06	C28 / D06	C28 / D06	DME08	C31 / D05	C31 / D07	C32 / D07
E	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)	Disenrollment Reasons Survey	DME04	DME04	DME04	DME04	DME04	DME04	DME04	DME05	DME05	DME05	DME05			
E	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)	Disenrollment Reasons Survey	DME06	DME06	DME06	DME06	DME06	DME06	DME06	DME07	DME07	DME07	DME07			
E	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME02	DME02	DME02	DME02	DME02	DME02	DME02	DME03	DME03	DME03	DME03			
E	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME03	DME03	DME03	DME03	DME03	DME03	DME03	DME04	DME04	DME04	DME04			
E	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)	Disenrollment Reasons Survey	DME05	DME05	DME05	DME05	DME05	DME05	DME05	DME06	DME06	DME06	DME06			
E	Enrollment Timeliness	MARx								DME01	DME01	DME01	DME01	DME01	C37 / D05	D05
E	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DME02 / DMD11	DMC13 / DMD11	

Attachment K: Individual Measure Star Assignment Process

This attachment provides detailed information about the clustering and the relative distribution and significance testing (CAHPS) methodologies used to assign stars to individual measures.

Clustering Methodology Introduction

To separate a distribution of scores into distinct groups or categories, a set of values must be identified to separate one group from another group. The set of values that break the distribution of the scores into non-overlapping groups is the set of cut points.

For each individual measure, CMS determines the measure cut points using the information provided from the hierarchical clustering algorithm in SAS, described in “Clustering Methodology Detail” below. Conceptually, the clustering algorithm identifies the natural gaps that exist within the distribution of the scores and creates groups (clusters) that are then used to identify the cut points that result in the creation of a pre-specified number of categories.

For Star Ratings, the algorithm is run with the goal of determining the four cut points (labeled in the Figure J-1 below as A, B, C, and D) that are used to create the five non-overlapping groups that correspond to each of the Star Ratings (labeled in the diagram below as G1, G2, G3, G4, and G5). For Part D measures, CMS determines MA-PD and PDP cut points separately. Data identified to be biased, erroneous, or excluded by disaster rules are removed from the algorithm. The scores are grouped such that scores within the same Star Rating category are as similar as possible, and scores in different categories are as different as possible.

Figure K-1: Diagram showing gaps in data where cut points are assigned.



As mentioned, the cut points are used to create five non-overlapping groups. The value of the lower bound for each group is included in the category, while the value of the upper bound is not included in the category. CMS does not require the same number of observations (contracts) within each group. The groups are identified such that within a group the measure scores must be similar to each other and between groups, the measure scores in one group are not similar to measure scores in another group. The groups are then used for the conversion of the measure scores to one of five Star Ratings categories. For most measures, a higher score is better, and thus, the group with the highest range of measure scores is converted to a rating of five stars. An example of a measure for which higher is better is *Medication Adherence for Diabetes Medications*. For some measures a lower score is better, and thus, the group with the lowest range of measure scores is converted to a rating of five stars. An example of a measure for which a lower score is better is *Members Choosing to Leave the Plan*.

Example 1 – Clustering Methodology for a Higher is Better measure

Consider the information provided for the cut points for *Medication Adherence for Diabetes Medications* in Table K-1 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately (e.g., different cut points are calculated for MA-PD and PDPs). If the MA-PD cut points identified using the clustering algorithm are 80%, 85%, 87%, and 91%; for PDPs, the cut points are 84%, 86%, 88%, and 90%. (The set of values corresponds to the cut points in figure J-2 below as A, B, C, and D and the categories for each of the five Star Ratings are indicated above each group.) Since a measure score can only assume a value between 0% and 100% (including 0% and 100%), the one-star and five-star categories contain only a single value in the table below as the upper or lower bound.

Table K-1: Medication Adherence for Diabetes Medications cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %

Figure K-2: Diagram showing star assignment based cut points.



Since higher is better for *Medication Adherence for Diabetes Medications*, a rating of one star is assigned to all MA-PD measure scores below 80% in this example. For each of the other Star Rating categories, the value of the lower bound is included in the rating category, while the upper bound value is not included. Focusing solely on the cut points for MA-PDs, a rating of two stars is assigned to each measure score that is at least 80% (the first cut point) to less than 85% (the second cut point) in this example. Since measure scores are reported as percentages with no decimal places, any measure score of 80% to 84% would be assigned two stars, while a measure score of 85% would be assigned a rating of three stars. Measure scores that are at least 85% to less than 87% would be assigned a rating of three stars. For a conversion to four stars, a measure score of at least 87% to less than 91% would be needed. A rating of five stars would be assigned to any measure score of 91% or more. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Example 2 – Clustering Methodology for a Lower is Better measure

Consider the information provided for the cut points for *Members Choosing to Leave the Plan* in Table K-2 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately. In the example, the MA-PD cut points for *Members Choosing to Leave the Plan* determined using the clustering algorithm are 44%, 29%, 16%, and 9%; for PDPs, the cut points are 20%, 13%, 19%, and 6%. (These correspond to the cut points in figure J-3 as A, B, C, and D).

Since lower is better for this measure, the five-star category will have the lowest measure score range, while the one-star category will have scores that are highest in value. For each of the other Star Rating categories, the value of the lower bound is not included in the rating category, while the upper bound value is included. (The inclusivity and exclusivity of the upper and lower bounds is opposite for a measure score where lower is better as compared to higher is better.) For MA-PDs, a rating of five stars would be assigned to measure scores of 9% or less. Measure scores that are greater than 9% up to a maximum value of 16% (including a measure score of 16%) would be assigned a rating of four stars. A rating of three stars would be assigned to measure scores greater than 16% up to a maximum value of 29%. A rating of two stars would be assigned to a measure score that is greater than 29% up to and including 44%. A rating of one star would be assigned to any measure score greater than 44%. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Table K-2: Members Choosing to Leave the Plan cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
PDP	> 20 %	> 13 % to <= 20 %	> 9 % to <= 13 %	> 6 % to <= 9 %	<= 6 %



Clustering Methodology Detail

This section details the steps of the clustering method performed in SAS to allow the conversion of the measure scores to measure-level stars.

Tukey outlier deletion is used to determine the cut points for all non-CAHPS measures. Tukey outlier deletion involves removing Tukey outer fence outlier contract scores, those defined as measure-specific scores outside the bounds of 3.0 times the measure-specific interquartile range subtracted from the 1st quartile or added to the 3rd quartile. Outliers are removed prior to applying mean resampling to the hierarchical clustering algorithm. The 1st and 3rd quartiles can be obtained by using the MEANS procedure in SAS. The Tukey outer fence outlier cutoffs can then be calculated as:

- Lower outlier cutoff: first quartile – 3.0*(third quartile – first quartile)
- Upper outlier cutoff: third quartile + 3.0*(third quartile – first quartile).

Measures with data displays of percentages with no decimal places ranging from 0 to 100 will have the lower and upper outlier cutoffs capped at those values, respectively. Any other measures with range restrictions, such as have a lower bound of zero, will have the respective outlier cutoff capped at the restricted value.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are separated into 10 equal-sized groups, using a random assignment process to assign each contract's measure score to a group. The random assignment of contracts into 10 groups can be produced using the SURVEYSELECT procedure in SAS as follows:

```
proc surveyselect data=inclusterdat groups=10 seed=8675309 out=inclusterdat_random;
run;
```

In the above code, the input dataset, *inclusterdat*, is the list of contracts without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. The *group=10* option identifies that 10 random groupings of the data should be created. The *seed=8675309* option specifies the seed value that controls the starting point of the random sequence of numbers and allows for future replication of the randomization process. The output dataset, *inclusterdat_random*, is identical to the input dataset with the addition of a new column, named *groupid*, that has the group assignments (from 1 through 10) for each contract.

The hierarchal clustering algorithm (steps 1 through 4 below) is then applied 10 times, each time leaving out one of the 10 groups. For each measure and leave-one-out contract set, the clustering method does the following:

- Produces the individual measure distance matrix.
- Groups the measure scores into an initial set of clusters.
- Selects the set of clusters.

1. Produce the individual measure distance matrix.

For each pair of contracts *j* and *k* (*j* ≥ *k*) among the *n* contracts with measure score data, compute the Euclidian distance of their measure scores (e.g., the absolute value of the difference between the two

measure scores). Enter this distance in row *j* and column *k* of a distance matrix with *n* rows and *n* columns. This matrix can be produced using the DISTANCE procedure in SAS as follows:

```
proc distance data= inclusterdat_ leave1out out=distancedat method=Euclid;
    var interval(measure_score);
    id contract_id;
run;
```

In the above code, the input data set, *inclusterdat_ leave1out*, is the list of contracts (excluding the group left out) without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. Each record has a unique contract identifier, *contract_id*. The option *method=Euclid* specifies that distances between contract measure scores should be based on Euclidean distance. The input data contain a variable called *measure_score* that is formatted to the display criteria outlined in the Technical Notes. In the *var* call, the parentheses around *measure_score* indicate that *measure_score* is considered to be an interval or numeric variable. The distances computed by this code are stored to an output data set called *distancedat*.

2. Create a tree of cluster assignments.

The distance matrix calculated in Step 1 is the input to the clustering procedure. The stored distance algorithm is implemented to compute cluster assignments. The following process is implemented by using the CLUSTER procedure in SAS:

- The input measure score distances are squared.
- The clusters are initialized by assigning each contract to its own cluster.
- In order to determine which pair of clusters to merge, Ward's minimum variance method is used to separate the variance of the measure scores into within-cluster and between-cluster sum of squares components.
- From the existing clusters, two clusters are selected for merging to minimize the within-cluster sum of squares over all possible sets of clusters that might result from a merge.
- Steps 3 and 4 are repeated to reduce the number of clusters by one until a single cluster containing all contracts results.

The result is a data set that contains a tree-like structure of cluster assignments, from which any number of clusters between 1 and the number of contract measure scores could be computed. The SAS code for implementing these steps is:

```
proc cluster data=distancedat method=ward outtree=treedat noprint;
    id contract_id;
run;
```

The *distancedat* data set containing the Euclidian distances was created in Step 1. The option *method=ward* indicates that Ward's minimum variance method should be used to group clusters. The output data set is denoted with the *outtree* option and is called *treedat*.

3. Select the final set of clusters from the tree of cluster assignments.

The process outlined in Step 2 will produce a tree of cluster assignments, from which the final number of clusters is selected using the TREE procedure in SAS as follows:

```
proc tree data=treedat ncl=NSTARS horizontal out=outclusterdat noprint;
```

```
id contract_id;  
run;
```

The input data set, treedat, is created in Step 2 above. The syntax, ncl=NSTARS, denotes the desired final number of clusters (or star levels). For most measures, NSTARS= 5. In cases where multiple clusters have the same score value range those clusters are combined, leading to fewer than 5 clusters. Since the improvement measures have a constraint that contracts with improvement scores of zero or greater are to be assigned at least 3 stars for improvement, the clustering is conducted separately for contract measure scores that are greater than or equal to zero versus those that are less than zero. Specifically, Steps 1-3 are first applied to contracts with improvement scores that meet or exceed zero, in which case NSTARS equals three. The resulting improvement measure stars can take on values of 3, 4, or 5. For those contracts with improvement scores less than zero, Steps 1-3 are applied with NSTARS=2 and these contracts will either receive 1 or 2 stars.

4. Final Thresholds

The cluster assignments produced by the above approach have cluster labels that are unordered. The final step after applying the above steps to all contract measure scores is to order the cluster labels so that the 5-star category reflects the cluster with the best performance and the 1-star category reflects the cluster with the worst performance. With the exception of the improvement measures which are assigned lower thresholds of zero for the 3-star category, the measure thresholds are defined by examining the range of measure scores within each of the final clusters. The lower limit of each cluster becomes the cut point for the star categories.

Determining Stars from Scores and Thresholds

The mean-resampling approach results in 10 sets of measure-specific cut points, one for each of the 10 implementations of the hierarchical clustering algorithm. For higher-is-better measures, the minimum score observed in each star category defines the effective cut points for the star categories. For lower-is-better measures, the maximum score observed in each star category defines the effective cut points for the star categories. These cut points are calculated after the application of Tukey outlier deletion. The final set of estimated thresholds are then calculated as the mean cut point for each threshold per measure from the 10 different cut point values. Tables K-3 and K-4 show the mean resampling final estimated thresholds for the 2025 Star Ratings. Tables K-5 and K-6 show the upper and lower Tukey outlier cutoffs.

Table K-3: 2025 Star Ratings Part C non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
C01	< 58 %	>= 58 % to < 67 %	>= 67 % to < 75 %	>= 75 % to < 82 %	>= 82 %
C02	< 58 %	>= 58 % to < 67 %	>= 67 % to < 75 %	>= 75 % to < 83 %	>= 83 %
C04	< 41 %	>= 41 % to < 47 %	>= 47 % to < 52 %	>= 52 % to < 60 %	>= 60 %
C05	< 46 %	>= 46 % to < 63 %	>= 63 % to < 76 %	>= 76 % to < 89 %	>= 89 %
C06	< 83 %	>= 83 % to < 90 %	>= 90 % to < 94 %	>= 94 % to < 98 %	>= 98 %
C07	< 79 %	>= 79 % to < 86 %	>= 86 % to < 92 %	>= 92 % to < 96 %	>= 96 %
C08	< 27 %	>= 27 % to < 39 %	>= 39 % to < 52 %	>= 52 % to < 71 %	>= 71 %
C09	< 62 %	>= 62 % to < 70 %	>= 70 % to < 77 %	>= 77 % to < 83 %	>= 83 %
C10	< 69 %	>= 69 % to < 78 %	>= 78 % to < 84 %	>= 84 % to < 90 %	>= 90 %
C11	< 69 %	>= 69 % to < 74 %	>= 74 % to < 80 %	>= 80 % to < 85 %	>= 85 %
C12	< 50 %	>= 50 % to < 56 %	>= 56 % to < 63 %	>= 63 % to < 73 %	>= 73 %
C13	< 39 %	>= 39 % to < 44 %	>= 44 % to < 48 %	>= 48 % to < 52 %	>= 52 %
C14	< 42 %	>= 42 % to < 59 %	>= 59 % to < 73 %	>= 73 % to < 87 %	>= 87 %
C15	> 14 %	> 12 % to <= 14 %	> 10 % to <= 12 %	> 8 % to <= 10 %	<= 8 %
C16	< 81 %	>= 81 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %
C17	< 44 %	>= 44 % to < 52 %	>= 52 % to < 63 %	>= 63 % to < 77 %	>= 77 %
C18	< 39 %	>= 39 % to < 53 %	>= 53 % to < 60 %	>= 60 % to < 69 %	>= 69 %
C25	> 0.66	> 0.41 to <= 0.66	> 0.24 to <= 0.41	> 0.12 to <= 0.24	<= 0.12
C26	> 36 %	> 24 % to <= 36 %	> 17 % to <= 24 %	> 8 % to <= 17 %	<= 8 %
C27	< -0.179809	>= -0.179809 to < 0	>= 0 to < 0.174445	>= 0.174445 to < 0.421057	>= 0.421057
C28	< 87 %	>= 87 % to < 91 %	>= 91 % to < 95 %	>= 95 % to < 99 %	>= 99 %
C29	< 88 %	>= 88 % to < 92 %	>= 92 % to < 96 %	>= 96 % to < 99 %	>= 99 %
C30	< 89 %	>= 89 % to < 94 %	>= 94 % to < 97 %	>= 97 % to < 100 %	= 100 %

Notes: These are not the final thresholds for the 2025 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Table K-4: 2025 Star Ratings Part D non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
D01	MA-PD	< 85 %	>= 85 % to < 92 %	>= 92 % to < 96 %	>= 96 % to < 100 %	= 100 %
D01	PDP	< 94 %	>= 94 % to < 97 %	>= 97 % to < 98 %	>= 98 % to < 100 %	= 100 %
D02	MA-PD	> 0.66	> 0.41 to <= 0.66	> 0.24 to <= 0.41	> 0.12 to <= 0.24	<= 0.12
D02	PDP	> 0.1	> 0.06 to <= 0.1	> 0.04 to <= 0.06	> 0.02 to <= 0.04	<= 0.02
D03	MA-PD	> 36 %	> 24 % to <= 36 %	> 17 % to <= 24 %	> 8 % to <= 17 %	<= 8 %
D03	PDP	> 22 %	> 16 % to <= 22 %	> 9 % to <= 16 %	> 5 % to <= 9 %	<= 5 %
D04	MA-PD	< -0.218869	>= -0.218869 to < 0	>= 0 to < 0.242468	>= 0.242468 to < 0.496603	>= 0.496603
D04	PDP	< -0.282500	>= -0.282500 to < 0	>= 0 to < 0.273334	>= 0.273334 to < 0.576667	>= 0.576667
D07	MA-PD	< 97	>= 97 to < 98	>= 98 to < 99	>= 99 to < 100	= 100
D07	PDP	< 97	>= 97 to < 98	>= 98 to < 99	>= 99 to < 100	= 100
D08	MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
D08	PDP	< 85 %	>= 85 % to < 87 %	>= 87 % to < 89 %	>= 89 % to < 93 %	>= 93 %
D09	MA-PD	< 83 %	>= 83 % to < 87 %	>= 87 % to < 90 %	>= 90 % to < 92 %	>= 92 %
D09	PDP	< 87 %	>= 87 % to < 89 %	>= 89 % to < 90 %	>= 90 % to < 92 %	>= 92 %
D10	MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 89 %	>= 89 % to < 93 %	>= 93 %
D10	PDP	< 86 %	>= 86 % to < 88 %	>= 88 % to < 89 %	>= 89 % to < 92 %	>= 92 %
D11	MA-PD	< 76 %	>= 76 % to < 84 %	>= 84 % to < 89 %	>= 89 % to < 93 %	>= 93 %
D11	PDP	< 30 %	>= 30 % to < 55 %	>= 55 % to < 68 %	>= 68 % to < 80 %	>= 80 %
D12	MA-PD	< 81 %	>= 81 % to < 86 %	>= 86 % to < 89 %	>= 89 % to < 93 %	>= 93 %
D12	PDP	< 80 %	>= 80 % to < 83 %	>= 83 % to < 85 %	>= 85 % to < 87 %	>= 87 %

Notes: These are not the final thresholds for the 2025 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Table K-5: 2025 Star Ratings Part C non-CAHPS Measure Tukey Outlier Cutoffs

Measure ID	Lower Cutoff	Upper Cutoff
C01	31	100
C02	24	100
C04	21	77
C05	0	100
C06	71	100
C07	66	100
C08	0	100
C09	29	100
C10	52	100
C11	48	100
C12	17	94
C13	24	66
C14	0	100
C15	4	18
C16	72	100
C17	0	100
C18	22	92
C25	0	1.08
C26	0	79
C27 (improve)	0	1
C27 (decline)	-0.582088	0
C28	80	100
C29	82	100
C30	82	100

Notes: If the calculated lower or upper outer fence exceeds the minimum or maximum range of the measure, then the minimum or maximum measure score is shown in the table. This means that no outliers were identified at that end of the measure score range. For C27 (decline) group, the upper cut off is technically the lowest value below zero since zero is included in the C27 (improved) group.

Table K-6: 2025 Star Ratings Part D non-CAHPS Measure Tukey Outlier Cutoffs

Measure ID	Type	Lower Cutoff	Upper Cutoff
D01	MA-PD	74	100
D02	MA-PD	0	1.08
D03	MA-PD	0	79
D04 (improve)	MA-PD	0	1
D04 (decline)	MA-PD	-0.96875	0
D07	MA-PD	95	100
D08	MA-PD	72	100
D09	MA-PD	75	100
D10	MA-PD	74	100
D11	MA-PD	61	100
D12	MA-PD	68	100
D01	PDP	86	100
D02	PDP	0	0.22
D03	PDP	0	45
D04 (improve)	PDP	0	1
D04 (decline)	PDP	-1	0
D07	PDP	95	100
D08	PDP	76	97
D09	PDP	82	96
D10	PDP	81	95
D11	PDP	0	100
D12	PDP	76	90

Note: If the calculated lower or upper outer fence exceeds the minimum or maximum range of the measure, then the minimum or maximum measure score is shown in the table. This means that no outliers were identified at that end of the measure score range. For D04 (decline) group, the upper cut off is technically the lowest value below zero since zero is included in the D04 (improved) group.

Guardrails are then applied to all non-CAHPS measures, with a few exceptions. Guardrails are not applied to the Part C and Part D improvement measures. Additionally, guardrails are not applied to new measures that have been in the Part C and D Star Rating program for 3 years or less. Measures returning to the Star Ratings after a substantive measure specification change are treated as new measures. Cut points for these new measures and improvement measures are based on the hierarchal clustering methodology with mean resampling. When applying guardrails, the difference between the current year and prior year's cut point is calculated for each of the 1 to 5 star levels. A cap value is then calculated and compared to the observed threshold difference.

- For measures having a 0 to 100 scale, an absolute percentage cap of 5 percentage point is applied.
 - If the absolute difference between the current and prior year's cut point is less than or equal to 5 percentage points, the current year's cut point is used as the final cut point value.

- If the absolute difference between the current and prior year's cut point is greater than 5 percentage points, a 5 percentage point cap is applied. That is, 5 percentage points are added to or subtracted from the prior year's cut point value (depending on the direction of movement for the cut point value in the current year) to obtain the final cut point value for the current year.
- For measures not having a 0 to 100 scale, a restricted range cap of 5 percent of the prior year's score range is applied. Specifically, the restricted range cap is equal to the prior year's (maximum score value – minimum score value excluding outer fence outliers) * 0.05.
 - If the absolute difference between the current and prior year's is less than or equal to the calculated restricted range cap value, the current year's cut point is used as the final cut point value.
 - If the absolute difference between the current and prior year's is greater than the calculated restricted range cap value, then the restricted range cap is applied. That is, the calculated restricted range cap value is added to or subtracted from the prior year's cut point value (depending on the direction of the movement of the cut point value in the current year) to obtain the final cut point value for the current year.

Relative Distribution and Significance Testing (CAHPS) Methodology

The CAHPS measures are case-mix adjusted to take into account differences in the characteristics of enrollees across contracts that may potentially impact survey responses. See [Attachment A](#) for the case-mix adjusters. The percentile cut points for base groups are defined by current-year distribution of case-mix adjusted contract means. Percentile cut points are rounded to the nearest integer on the 0-100 reporting scale, and each base group includes those contracts whose rounded mean score is at or above the lower limit and below the upper limit. The number of stars assigned is determined by the position of the contract mean score relative to percentile cutoffs from the distribution of contract weighted mean scores from all contracts (which determines the base group); statistical significance of the difference of the contract mean from the national mean along with the direction of the difference; the statistical reliability of the estimate (based on the ratio of sampling variation for each contract mean to between-contract variation); and the standard error of the mean score. All statistical tests, including comparisons involving standard errors, are computed using unrounded scores.

CAHPS reliability calculation details are provided under the section header, “MA & PDP CAHPS Between-Contract Variances for Reported Measures” at <https://www.ma-pdpcahps.org/en/scoring-and-star-ratings>. Tables K-8 and K-9 contain the rules applied to determine the final CAHPS measure star value.

Star	Criteria for Assigning Star Ratings
1	A contract is assigned one star if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is lower than the 15th percentile; AND (b) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) below the 15th percentile.
2	A contract is assigned two stars if it does not meet the one-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is lower than the 30th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is lower than the 15th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score and below the 60th percentile.
3	A contract is assigned three stars if it meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 30th percentile and lower than the 60th percentile, AND it is not statistically significantly different from the national average CAHPS measure score; OR (b) its average CAHPS measure score is at or above the 15th percentile and lower than the 30th percentile, AND the reliability is low, AND the score is not statistically significantly lower than the national average CAHPS measure score; OR (c) its average CAHPS measure score is at or above the 60th percentile and lower than the 80th percentile, AND the reliability is low, AND the score is not statistically significantly higher than the national average CAHPS measure score.
4	A contract is assigned four stars if it does not meet the five-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 60th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is at or above the 80th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score and above the 30th percentile.
5	A contract is assigned five stars if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is at or above the 80th percentile; AND (b) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) above the 80th percentile.

Table K-9: CAHPS Star Assignment Alternate Representation

Mean Score	Base Group	Signif. below avg., low reliability	Signif. below avg., not low reliability	Not signif. diff. from avg., low reliability	Not signif. diff. from avg., not low reliability	Signif. above avg., low reliability	Signif. above avg., not low reliability
< 15 th percentile by > 1 SE	1	1	1	2	2	2	2
< 15 th percentile by ≤ 1 SE		2	1	2	2	2	2
≥ 15 th to < 30 th percentile	2	2	2	3	2	3	2
≥ 30 th to < 60 th percentile	3	2	2	3	3	4	4
≥ 60 th to < 80 th percentile	4	3	4	3	4	4	4
≥ 80 th percentile by ≤ 1 SE	5	4	4	4	4	4	5
≥ 80 th percentile by > 1 SE		4	4	4	4	5	5

Notes: If reliability is very low (<0.60), the contract does not receive a Star Rating. Low reliability scores are defined as those with at least 11 respondents and reliability ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. The SE is considered when the measure score is below the 15th percentile (in base group 1), significantly below average, and has low reliability: in this case, 1 star is assigned if and only if the measure score is at least 1 SE below the unrounded base group 1/2 cut point. Similarly, the SE is considered when the measure score is at or above the 80th percentile (in base group 5), significantly above average, and has low reliability: in this case, 5 stars are assigned if and only if the measure score is at least 1 SE above the unrounded base group 4/5 cut point.

For example, a contract in base group 4 that was not significantly different from average and had low reliability would receive 3 final stars.

As noted above, low reliability scores for CAHPS measures are defined as those with at least 11 respondents and reliability ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. Table K-10 contains the 12% reliability cutoffs.

Table K-10: CAHPS Measure 12% Reliability Cutoffs

Measure	12% reliability cutoff
Annual Flu Vaccine	0.827223*
Getting Needed Care	0.712319
Getting Appointments and Care Quickly	0.605448
Customer Service	0.624047
Rating of Health Care Quality	0.603043
Rating of Health Plan	0.802531*
Care Coordination	0.575592*
Rating of Drug Plan (MA-PD)	0.729239
Getting Needed Prescription Drugs (MA-PD)	0.591102*
Rating of Drug Plan (PDP)	0.950393*
Getting Needed Prescription Drugs (PDP)	0.875199*

*Note: Reliabilities must be ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability to be designated as low reliability, thus these cutoffs did not affect low reliability designation.

Part D sponsors currently have access to monthly Patient Safety Reports via the Patient Safety Analysis Web Portal to compare their performance to overall rates and monitor their progress in improving the Part D patient safety measures over time. Sponsors may use the website to view and download the reports for performance monitoring.

Report User Guides are available on the Patient Safety Analysis Web Portal under Help Documents and provide detailed information about the measure calculations and reports. The following information is an excerpt from the Adherence Measures Report Guide (Appendices A and B) and illustrates the days covered calculation and the modification for inpatient stays and skilled nursing facility stays.

Proportion of Days Covered Calculation

In calculating the Proportion of Days Covered (PDC), we first count the number of days the patient was “covered” by at least one drug in the target drug class. The number of days is based on the prescription fill date and days’ supply. PDC is calculated by dividing the number of covered days by the number of days in the measurement period. Both of these numbers may be adjusted for IP/SNF stays, as described in the ‘Calculating the PDC Adjustment for IP Stays and SNF Stays’ section that follows.

Example 1: Non-Overlapping Fills of Two Different Drugs

In this example, a beneficiary fills Benazepril and Captopril, two drugs in the RAS antagonist hypertension target drug class. The covered days do not overlap, meaning the beneficiary filled the Captopril prescription after the days’ supply for the Benazepril medication ended.

Table L-1: No Adjustment

	January		February		March	
	1/1/20XX	1/16/20XX	2/1/20XX	2/16/20XX	3/1/20XX	3/16/20XX
Benazepril	15	16	15	13		
Captopril					15	16

PDC Calculation

Covered Days: 90

Measurement Period: 90

PDC: 90/90 = 100%

Example 2: Overlapping Fills of the Same Generic Ingredient across Single and Combination Products

In this example, a beneficiary fills a drug with the same target generic ingredient prior to the end of the days’ supply of the first fill. In rows one and two, there is an overlap between a single and combination drug product, both containing Lisinopril. For this scenario, the overlapping days are shifted because the combination drug product includes the targeted generic ingredient. An adjustment is made to the PDC to account for the overlap in days covered.

In rows two and three, there is an overlap between two combination drug products, both containing Hydrochlorothiazide. However, Hydrochlorothiazide is not a RAS antagonist or targeted generic ingredient, so this overlap is not shifted.

Table L-2: Before Overlap Adjustment

	January		February		March	
	1/1/20XX	1/16/20XX	2/1/20XX	2/16/20XX	3/1/20XX	3/16/20XX
Lisinopril	15	16				
Lisinopril & HCTZ		16	15			
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 59

Measurement Period: 90

PDC: 59/90 = 66%

Table L-3: After Overlap Adjustment

	January		February		March	
	1/1/20XX	1/16/20XX	2/1/20XX	2/16/20XX	3/1/20XX	3/16/20XX
Lisinopril	15	16				
Lisinopril & HCTZ			15	13	3	
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 62

Measurement Period: 90

PDC: 62/90 = 69%

Example 3: Overlapping Fills of the Same and Different Target Drugs

In this example, a beneficiary is refilling both Lisinopril and Captopril. When a single and combination product both containing Lisinopril overlap, there is an adjustment to the PDC. When Lisinopril overlaps with Captopril, we do not make any adjustment to the days covered.

Table L-4: Before Overlap Adjustment

	January		February		March		April	
	1/1/20XX	1/16/20XX	2/1/20XX	2/16/20XX	3/1/20XX	3/16/20XX	4/1/20XX	4/16/20XX
Lisinopril	15	16						
Lisinopril & HCTZ		16	15					
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 92

Measurement Period: 120

PDC: 92/120: 77%

Table L-5: After Overlap Adjustment

	January		February		March		April	
	1/1/20XX	1/16/20XX	2/1/20XX	2/16/20XX	3/1/20XX	3/16/20XX	4/1/20XX	4/16/20XX
Lisinopril	15	16						
Lisinopril & HCTZ			15	13	3			
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 105

Measurement Period: 120

PDC: 105/120: 88%

PDC Adjustment for Inpatient, and Skilled Nursing Facility Stays Examples

In response to Part D sponsor feedback, CMS modified the PDC calculation, starting with the 2013 Star Ratings (using 2011 PDE data) to adjust for beneficiary stays in inpatient (IP) facilities, and with the 2015 Star Ratings (using 2013 PDE data) to also adjust for hospice enrollments and beneficiary stays in skilled nursing facilities (SNF). These adjustments account for periods that the Part D sponsor would not be responsible for providing prescription fills for targeted medications or more accurately reflect drugs covered under the hospice benefit or waived through the beneficiary's hospice election; thus, their medication fills during an IP or SNF stay or during hospice enrollment would not be included in the PDE claims used to calculate the Patient Safety adherence measures.

The PDC modification for IP stays, hospice enrollments, and SNF stays reflects this situation. Please note that while this modification will enhance the adherence measure calculation, extensive testing indicates that most Part D contracts will experience a negligible impact on their adherence rates. On average, the 2011 adherence rates increased 0.4 to 0.6 percentage points due to the inpatient stay adjustment, and the adjustment may impact the rates positively or negatively.

The hospice and SNF adjustments were tested on 2013 PDE data and overall increased the rates by 0.13 to 0.15 percentage points and 0.29 to 0.35 percentage points, respectively. Hospice information from the Medicare Enrollment Database (EDB) and inpatient claims from the Common Working File (CWF) are available for both PDPs and MA-PDs. **NOTE:** Due to CMS's migration of the beneficiary database, including the EDB and CME, to the Amazon Web Services (AWS Cloud), equivalent EDB information to identify beneficiaries in hospice and with ESRD status is pulled from the CME beneficiary tables from the Integrated Data Repository (CME IDRC), sourced from the same upstream database.

SNF claims from the CWF have been used to adjust the SNF PDC adjustments for PDPs. Starting in the 2019 measurement year, when available for MA-PDs in the CWF, adjust the SNF PDC adjustments. Additionally, starting in 2020 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries.

Note: Hospice enrollment is no longer a PDC adjustment but rather an exclusion starting with the 2020 Star Ratings (2018 YOS).

The PDC modification for IP stays and SNF stays is based on two assumptions: 1) a beneficiary receives their medications through the facility during the IP or SNF stay, and 2) if a beneficiary accumulates an extra supply of their Part D medication during an IP stay or SNF stay, that supply can be used once he/she returns home. The modification is applied using the steps below:

- Identify start and end dates of relevant types of stays for beneficiaries included in adherence measures. The discharge date is included in the PDC adjustment.
 - Use IP claims from the CWF to identify IP stays, and when available for MA-PDs.
 - Use SNF claims from the CWF for PDPs, and when available for MA-PD beneficiaries, for SNF PDC adjustments. (1) Use SNF claims from the CWF with either a positive or negative paid amount with Medicare utilization days to identify Medicare Part A covered SNF stays. (2) Use SNF claims from the CWF with a condition code 04 (Beneficiary enrolled in a MA-PD) not associated with a condition code 21 and/or a no payment reason code.
 - Use IP and SNF stay encounter data when available for MA-PD beneficiaries. Additionally, if IP and SNF stay claims for MA-PD enrolled beneficiaries are reported in the CWF, the CWF will remain as an additional data source.
- Remove days of relevant stays occurring during the measurement period from the numerator and denominator of the proportion of days covered calculation.
- Shift days' supply from Part D prescription fills that overlap with the stay or subsequent fills for the same drug class to uncovered days after the end of the relevant stay, if applicable. This assumes the beneficiary receives the relevant medication from a different source during the stay and accumulates the Part D prescription fills for later use.

If SNF and IP stays span all of the beneficiary's enrollment episodes within the measurement period, that meets the inclusion criteria, the associated proportion of member-years is not included in the rate calculation.

The following examples provide illustrations of the implementation of these assumptions when calculating PDC.

Example 1: Gap in Coverage after IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage on days 1-8 and 12-15 and an IP stay on days 5 and 6, as illustrated in Table L-6.

Table L-6: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1	X1				X2	X2	X2	X2
Inpatient Stay					+	+									

PDC Calculation:

Covered Days: 12

Measurement Period: 15

PDC: $12/15 = 80\%$

With the adjustment for the IP stay, days 5 and 6 are deleted from the measurement period. Additionally, the drug coverage during the IP stay is shifted to subsequent days of no supply (in this case, days 9 and 10), based on the assumption that if a beneficiary received his/her medication through the hospital on days 5 and 6, then

he/she accumulated two extra days' supply during the IP stay. The two extra days' supply is used to cover the gaps in Part D drug coverage in days 9 and 10. This is illustrated in Table L-7.

Table L-7: After Adjustment

Day	1	2	3	4	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	+	+		X2	X2	X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 12

Measurement Period: 13

PDC: 12/13 = 92%

Example 2: Gap in Coverage before IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-7 and 12-15, and an IP stay on days 12 and 13, as illustrated in Table L-8.

Table L-8: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2	X2	X2
Inpatient Stay												+	+		

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: 11/15 = 73%

With the adjustment for the IP stay, days 12 and 13 are deleted from the measurement period. While there are two days' supply from the IP stay on days 12 and 13, there are no days without drug coverage after the IP stay. Thus, the extra days' supply are not shifted. This is illustrated in Table L-9.

Table L-9: After Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 9

Measurement Period: 13

PDC: 9/13 = 69%

Example 3: Gap in Coverage Before and After IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-3, 6-9, and 12-15, and an IP stay on days 6-9, as illustrated in Table L-10.

Table L-10: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			X2	X2	X2	X2			X3	X3	X3	X3
Inpatient Stay						+	+	+	+						

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: 11/15 = 73%

With the adjustment for the IP stay, days 6-9 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay, based on the assumption that the beneficiary received his/her medication through the hospital on days 6-9. In this case, only days 10 and 11 do not have drug coverage and are after the IP stay, so two days' supply are shifted to days 10 and 11. This is illustrated in Table L-11.

Table L-11: After Adjustment

Day	1	2	3	4	5	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			+	+	X2	X2	X3	X3
Inpatient Stay											

PDC Calculation:

Covered Days: 9

Measurement Period: 11

PDC: 9/11 = 82%

Example 4: Gap in Coverage After IP Stay and Overlap with Subsequent Fill of the Same Drug Class

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-4, and 7-11 for the same drug class, and an IP stay on days 2-4, as illustrated in Table L-12.

Table L-12: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1			X2	X2	X2	X2	X2				
Inpatient Stay		+	+	+											

PDC Calculation:

Covered Days: 9

Measurement Period: 15

PDC: 9/15 = 60%

With the adjustment for the IP stay, days 2-4 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay. In the case of overlapping days with a subsequent fill of the same drug class, the days supply of the subsequent fill are shifted. In this example, the days supply of 2 to 4 during the IP stay are shifted to days 5 to 7 after the IP stay. Because day 7 includes 1 days supply of a subsequent fill (X2) of the same drug class, days 7 to 11 that corresponds to the subsequent fill are shifted to days 8 to 12. This is illustrated in Table L-13.

Day	1	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	+	+	+	X2	X2	X2	X2	X2			
Inpatient Stay												

PDC Calculation:
Covered Days: 9
Measurement Period: 12
PDC: $9/12 = 75\%$

CMS's drug pricing performance measure evaluates the accuracy of prices displayed on Medicare Plan Finder (MPF) for beneficiaries' comparison of plan options. The accuracy score is calculated by comparing the MPF price to the PDE price and determining the magnitude and frequency of differences found when the PDE price exceeds the MPF price. This document summarizes the methods currently used to construct each contract's MPF Composite Price Accuracy Score.

Contract Selection

The Part D Star Ratings rely in part on the submission of pricing data to MPF. Therefore, only contracts with at least one plan meeting all of the following criteria are included in the analysis:

- Not a PACE plan
- Not a demonstration plan
- Not an employer plan
- Part D plan
- Plan not terminated during the contract year

Only contracts with at least 30 eligible claims throughout the year are included in the accuracy measure. This ensures that the sample size of PDEs is large enough to produce a reliable accuracy score.

MPF Composite Price Accuracy Score

To calculate the MPF Composite Price Accuracy Score, the point of sale cost (ingredient costs plus dispensing fee) reported on each PDE claim is compared to the cost resulting from using the unit price reported on Plan Finder.¹ This comparison includes only PDEs for which a MPF cost can be assigned. In particular, a PDE must meet seven conditions to be included in the analysis:

1. If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible. NCPDP numbers are mapped to their corresponding NPI numbers.
2. The corresponding reference NDC must appear under the relevant price ID for the pharmacy in the pricing file.²
3. The reference NDC must be on the plan's formulary.
4. Because the retail unit cost reported on Plan Finder is intended to apply to a 1, 2, or 3-month supply of a drugs, only claims with a Days Supply of 28-34, 60-62, or 90-93 are included. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then

¹ Medicare Plan Finder unit costs are reported by plan, drug, days of supply, and pharmacy. The plan, drug, days of supply and pharmacy from the PDE are used to assign the corresponding Medicare Plan Finder unit cost posted on medicare.gov on the date of the PDE.

² Medicare Plan Finder prices are reported at the reference NDC level. A reference NDC is a representative NDC of drugs with the same brand name, generic name, strength, and dosage form. To map NDCs on PDEs to a reference NDC, we use First Data Bank (FDB) and Medi-Span to create an expanded list of NDCs for each reference NDC, consisting of NDCs with the same brand name, generic name, strength, and dosage form as the reference NDC. This expanded NDC list allows us to map PDE NDCs to MPF reference NDCs.

additional days supply values may be included in the accuracy measure for the plan. For example, a plan that submits a 3 month retail supply of 100 days in their bid will have claims with a days supply of 90-100 included in their accuracy measure calculation.

5. PDEs for dates of service during which the plan was suppressed from Plan Finder or where the relevant pharmacy or drug was not reported in Plan Finder are not included since no Plan Finder cost can be assigned.³
6. PDEs for compound drugs or non-covered drugs are not included.
7. The PDE must occur in Quarter 1 through 3 of the year. Quarter 4 PDEs are not included because MPF prices are not updated during this last quarter.

The MPF Composite Price Accuracy Measure factors in both how much and how often PDE prices exceeded the prices reflected on the MPF. The contract's MPF Composite Price Accuracy score is the average of the Price Accuracy Score, which measures the difference between PDE total cost and MPF total cost,⁴ and the Claim Percentage Score, which measures the share of claims where PDE prices are less than or equal to MPF prices.

Once MPF unit ingredient costs are assigned, the MPF ingredient cost is calculated by multiplying the unit costs reported on MPF by the quantity listed on the PDE. The PDE total cost (TC) is the sum of the PDE ingredient cost paid and the PDE dispensing fee. Likewise, the MPF TC is the sum of the MPF ingredient cost and the MPF dispensing fee that corresponds to the same pharmacy, plan, and days of supply as that observed in the PDE. Each claim is then given a score based on the difference between the PDE TC and the MPF TC. If the PDE TC is lower than or equal to the MPF TC, the claim receives a score equal to zero. In other words, contracts are not penalized when point of sale costs are lower than or equal to the advertised costs. However, if the PDE TC is higher than the MPF TC, then the claim receives a score equal to the difference between the PDE TC and the MPF TC.^{5, 6} The contract level MPF Price Accuracy Index is the sum of the claim level scores and PDE TC across all PDEs that meet the inclusion criteria, divided by the PDE TC for those same claims. The MPF Claim Percentage Index is the percent of all PDEs that meet the inclusion criteria with a PDE TC higher than the MPF TC. Note that the best possible MPF Price Accuracy Index is 1, and the best possible MPF Claim Percentage Index is 0. This occurs when the MPF TC is never lower than the PDE TC. The formulas below illustrate the calculation of the contract level MPF Price Accuracy Index and MPF Claim Percentage Index:

$$\text{Price Accuracy Index} = \frac{\sum_i \max(\text{TC}_{i\text{PDE}} - \text{TC}_{i\text{MPF}}, 0) + \sum_i \text{TC}_{i\text{PDE}}}{\sum_i \text{TC}_{i\text{PDE}}}$$

where

$\text{TC}_{i\text{PDE}}$ is the ingredient cost plus dispensing fee reported in PDE_i , and

³ Because CMS continues to display pharmacy and drug pricing data for sanctioned plans on MPF to their current enrollees, sanctioned plans are not excluded from this measure. If, however, CMS completely suppresses a sanctioned contract's data from MPF display, then they would be excluded from the measure.

⁴ MPF total costs are rounded to the nearest cent. For example, if the MPF total cost is \$10.237, then it is rounded to \$10.24. MPF unit costs are not rounded.

⁵ To account for potential rounding errors, this analysis requires that the PDE cost exceed the rounded MPF cost by at least a two cent (\$0.02) in order to be counted towards the accuracy score. For example, if the PDE cost is \$10.25 and the rounded MPF cost is \$10.23, the 2-cent difference would be counted towards plan's accuracy score. However, if the rounded MPF cost is higher than \$10.23, the difference would not count towards the plan's accuracy score.

⁶ The MPF data includes floor pricing. For plan-pharmacy drugs with a floor price, if the MPF price is lower than the floor price, the PDE price is compared against the floor price.

TC_{iMPF} is the ingredient cost plus dispensing fee calculated from MPF data, based on the PDE_i reported NDC, days of supply, and pharmacy, then rounded to the nearest cent.

$$\text{Claim Percentage Index} = \frac{\sum_i \text{Claims}_{iPDE > MPF}}{\sum_i \text{Claims}_{iTotal}}$$

where

$\text{Claims}_{iPDE > MPF}$ is the total number of claims where the PDE price is greater than the rounded MPF price

Claims_{iTotal} is the total number of claims

We use the following formulas to convert the Claim Percentage Index and Price Accuracy Index into the MPF Composite Price Accuracy score:

$$\text{Price Accuracy Score} = 100 - [(\text{Price Accuracy Index} - 1) \times 100]$$

$$\text{Claim Percentage Score} = (1 - \text{Claim Percentage Index}) \times 100$$

$$\text{MPF Composite Price Accuracy Score} = (0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$$

The MPF Composite Price Accuracy Score is rounded to the nearest whole number.

Example of Accuracy Index Calculation

Table M-1 shows an example of the MPF Composite Price Accuracy Score calculation. This contract has 4 claims, for 4 different NDCs and 4 different pharmacies. This is an abbreviated example for illustrative purposes only; in the actual accuracy index, a contract must have 30 eligible claims to be evaluated.

From each of the 4 claims, the PDE ingredient cost, dispensing fee, and quantity dispensed are obtained. Additionally, the plan ID, days of supply, date of service, and pharmacy number are collected from each PDE to identify the MPF data that had been submitted by the contract and posted on MPF on the PDE dates of service. The NDC on the claim is first assigned the appropriate reference NDC, based on the brand name, generic name, strength, and dosage form. Using the reference NDC, the following MPF data are obtained: brand/generic dispensing fee (as assigned by the pharmacy cost file) and unit cost (as assigned by the Price File corresponding to that pharmacy and days of supply on the date of service). The PDE cost is the sum of the PDE ingredient cost and dispensing fee. The MPF cost is computed as the quantity dispensed from PDE multiplied by the MPF unit cost plus the MPF brand/generic dispensing fee (brand or generic status is assigned based on the NDC), and then rounded to the nearest cent. The last column shows the amount by which the PDE cost is higher than the rounded MPF cost. When PDE cost is less than or equal to the rounded MPF cost, this value is zero. The Price Accuracy Index is the sum of the last column plus the sum of PDE costs all divided by the sum of PDE costs. The Claim Percentage Index is the number of rows where the last column is greater than zero divided by the total number of rows.

Table M-1: Example of Price Accuracy Index Calculation

NDC	Pharmacy Number	PDE Data DOS	PDE Data Ingredient Cost	PDE Data Dispensing Fee	PDE Data Quantity Dispensed	PDE Days of Supply	MPF Data Biweekly Posting Period	MPF Data Unit Cost	MPF Data Dispensing Fee Brand	MPF Data Dispensing Fee Generic	Calculated Value Brand or Generic Status	Calculated Value Total Cost PDE	Calculated Value Total Cost MPF	Calculated Value Amount that PDE is higher than MPF
A	111	01/08/2023	3.82	2	60	60	01/06/23 - 01/19/23	0.014	2.25	2.75	B	5.82	3.09	2.73
B	222	01/24/2023	0.98	2	30	60	01/20/23 - 02/02/23	0.83	1.75	2.5	G	2.98	27.40	0
C	333	02/11/2023	10.48	1.5	24	28	02/03/23 - 02/16/23	0.483	2.5	2.5	B	11.98	14.09	0
D	444	02/21/2023	47	1.5	90	30	02/17/23 - 03/01/23	0.48	1.5	2.25	G	48.50	45.45	3.05
PDE = Prescription Drug Event MPF = Medicare Plan Finder											Totals	69.28		5.78
											Price Accuracy Index			1.08343
											Claim Percentage Index			0.5
											MPF Composite Price Accuracy Score			71

Medicare Part D Reporting Requirements Measure (D11: MTM CMR Completion Rate Measure)

- Step 1: Start with all contracts that enrolled beneficiaries in MTM at any point during contract year 2023. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.
- Step 2: Exclude contracts that did not enroll 31 or more beneficiaries in their MTM program who met the measure denominator criteria during contract year 2023.

Next, exclude contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 15, 2024), or that were not required to participate in data validation.

- Contracts that terminate on or before 07/01/2024 according to the Contract Info extract.

Additionally, exclude contracts that did not score at least 95% on data validation for their plan reporting of the MTM Program section and contracts that scored 95% or higher on data validation for the MTM Program section but that were not compliant with data validation standards/sub-standards for at least one of the following MTM data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- MBI Number (Element B)
- Date of MTM program enrollment (Element H)
- Met the specified targeting criteria per CMS – Part D requirements (Element I)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element K)
- Received annual CMR with written summary in CMS standardized format (Element O)
- Date(s) of CMR(s) (Element P)

- Step 3: After removing contracts' and beneficiaries' data excluded above, suppress contract rates based on the following rules:

File DV failure: Contracts that failed to submit the CY 2023 MTM Program Reporting Requirements data file or who had a missing DV score for MTM are listed as "CMS identified issues with this plan's data."

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2023 MTM Program Reporting Requirements data are listed as "CMS identified issues with this plan's data."

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2023 MTM Program Reporting Requirements data but that failed at least one of the seven data elements are listed as "CMS identified issues with this plan's data."

Small size: Contracts that have not yet been suppressed and have fewer than 31 beneficiaries enrolled are listed as "Not enough data available."

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

- Step 4: Calculate the rate for the remaining contracts using the following formula:

Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period / Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period, met the specified targeting criteria per CMS during the reporting period, weren't in hospice at any point during the reporting period, and who were enrolled in the MTM program for at least 60 days during the reporting period. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe.

Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. The categorization of contracts into final adjustment categories for the Categorical Adjustment Index (CAI) relies on both the use of a contract's percentages of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disabled beneficiaries. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI.

The contract-level modified LIS/DE percentages for Puerto Rico contracts for the 2025 Star Ratings are developed using the following sources of information:

- The 2022 1-year American Community Survey (ACS) estimates for the percentage of people living below the Federal Poverty Level (FPL).
- The 2022 ACS 5-year estimates for the percentage of people living below 150% of the FPL; for Puerto Rico and for the 10 poorest US states (which may include the District of Columbia).
- The Medicare enrollment data file for those enrolled during 2023 provided for beneficiaries who were alive at least through December 2023, the percentage of each contract's beneficiaries who were DE, and for non-Puerto Rico contracts, the percentage who were LIS/DE. Beneficiary DE status was determined using a) the monthly beneficiary dual status codes, b) identification of Low Income Part D enrollees who reside in the US Territories, and c) beneficiaries with Medicaid coverage/who are Medicaid eligible by the Point of Sale contractor. For non-Puerto Rico contracts, beneficiaries who were LIS were determined using the monthly beneficiary LIS status codes, and beneficiaries were classified LIS/DE by combining the beneficiaries identified as DE and beneficiaries identified as LIS.

The following steps are employed to determine the modified percentages of LIS/DE for MA contracts solely serving the population of beneficiaries in Puerto Rico. All references to contracts in Puerto Rico are limited to the contracts solely serving the population of beneficiaries in Puerto Rico.

- The 10 states with the highest proportion of people living below the FPL are identified, based on 2022 1-year data from ACS (<https://www.census.gov/content/dam/Census/library/publications/2023/acs/acsbr-016.pdf>, see Table 1). *The states identified are: Alabama, Arkansas, Kentucky, Louisiana, Mississippi, New Mexico, New York, Oklahoma, South Carolina, and West Virginia.*
- Data are aggregated from Medicare Advantage contracts that had at least 90% of their beneficiaries enrolled with mailing addresses within the 10 highest poverty states identified in step (1). *For the 2025 Star Ratings adjustment, the data used for the model development included a total of 150 Medicare Advantage contracts with at least 90% of their beneficiaries with mailing addresses in one of the ten poorest states listed above.*
- A linear regression model is developed using the known LIS/DE percentage and the corresponding DE percentage from the MA contracts in the 10 highest poverty states with at least 90% of their beneficiaries with mailing addresses in one of the ten states.
- The model for Puerto Rico is developed using the model in step (3) as its base.

The estimated slope from the linear fit in the previous step (3) is retained to approximate the expected

relationship between LIS/DE for each contract in Puerto Rico and its DE percentage. However, as Puerto Rico contracts are expected to have a larger percentage of low-income beneficiaries, the intercept term is adjusted to be more suitable for use with Puerto Rico contracts as follows:

The intercept term for the Puerto Rico model is estimated by assuming that the Puerto Rico model will pass through the point (x, y) where x is the observed average DE percentage in the Puerto Rico contracts, and y is the expected average percentage of LIS/DE in Puerto Rico. The expected average percentage of LIS/DE in Puerto Rico (the y value) is not observable but is estimated by multiplying the observed average percentage of LIS/DE in the 10 highest poverty states identified in step (1) by the ratio based on the 2022 5-year ACS estimates of the percentage living below 150% of the FPL in Puerto Rico compared to the corresponding percentage in the 10 poorest US states.

- To obtain each Puerto Rico contract's modified LIS/DE percentage, a contract's observed DE percentage is used in the Puerto Rico model developed in the previous step (4).

A contract's observed DE percentage is multiplied by the slope estimate, and then, the newly derived intercept term is added to the product. The estimated modified LIS/DE percentage is capped at 100%. Any estimated LIS/DE percentage that exceeds 100% is categorized in the final adjustment category for LIS/DE with an upper bound of 100%.

Note that the District of Columbia is included with the 50 US states when determining the 10 poorest in 2022. All estimated modified LIS/DE values for Puerto Rico are rounded to six decimal places when expressed as a percentage. (This rounding rule aligns with the limits for the adjustment categories for LIS/DE for the CAI.)

Model

The generic model developed to estimate a contract's LIS/DE percentage using its DE percentage is as follows:

$$\widehat{\text{LIS/DE}} = (\text{Slope} \times \text{contract's DE percentage}) + (\text{intercept})$$

Using the data from the 10 highest poverty states, the estimated slope was calculated to be 0.946906.

$$\widehat{\text{LIS/DE}} = (0.946906 \times \text{contract's DE percentage}) + (\text{intercept})$$

Next, the intercept for the Puerto Rico model was determined using the point (x, y) where x is the observed average DE percentage in Puerto Rico contracts (28.653926%) and y is an estimated expected average percentage of LIS/DE in Puerto Rico.

To calculate the estimated expected average percentage of LIS/DE in Puerto Rico, the observed average percentage of LIS/DE in the 10 poorest US states identified in step (1) is multiplied by the ratio of the percentage of Puerto Rico residents living below 150% of the FPL to the analogous percentage in the 10 poorest US states.

Description	Value
Percent of PR residents below 150% of FPL	59.100000%
Percent of residents in the 10 poorest US states below 150% of FPL	24.390525%
Observed average LIS/DE percentage in the 10 poorest US states	45.503047%
Observed average DE percentage in Puerto Rico contracts	28.653926%

The product thus becomes $\left(45.503047 \times \frac{59.100000}{24.390525}\right)$.

The new intercept for the Puerto Rico model is as follows:

$$\text{new intercept} = \left(45.503047 \times \frac{59.100000}{24.390525}\right) - (0.946906 \times 28.653926)$$

The final model to estimate the percentage of LIS/DE in Puerto Rico model is as follows:

$$\widehat{\text{LIS/DE}} = (0.946906 \times \text{contract's DE percentage}) + \left(45.503047 \times \frac{59.100000}{24.390525}\right) - (0.946906 \times 28.653926)$$

Example

To calculate the contract-level modified LIS/DE percentage for a hypothetical contract from Puerto Rico with an observed DE percentage of 15%, the value of 15.000000% is used in the model developed.

$$\widehat{\text{LIS/DE}} = (0.946906 \times \text{contract's DE percentage}) + \left(45.503047 \times \frac{59.100000}{24.390525}\right) - (0.946906 \times 28.653926)$$

The contracts percentage of 15.000000% is substituted into the Puerto Rico model.

$$\widehat{\text{LIS/DE}} = (0.946906 \times 15.000000) + \left(45.503047 \times \frac{59.100000}{24.390525}\right) - (0.946906 \times 28.653926)$$

The contract-level modified LIS/DE percentage for a hypothetical Puerto Rico contract that has an observed DE percentage of 15.000000% is 97.328178%.

The final adjustment category for the CAI adjustment is identified using the LIS/DE percentage 97.328178%.

Natural disasters such as hurricanes and wildfires can directly affect Medicare beneficiaries and providers, as well as the Parts C and D organizations that provide them with important medical care and prescription drug coverage. These disasters may negatively affect the underlying operational and clinical systems that CMS relies on for accurate performance measurement in the Star Ratings program.

The 2025 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>) describes CMS's policy for making adjustments in the Star Ratings to take into account the effects of extreme and uncontrollable circumstances which occurred during the performance period. This is also codified in regulation at §422.166(i) and §423.186(i).

Operational Steps to Calculating Enrollment Impacted in Affected Contracts.

- Identify the areas which experienced both extreme and uncontrollable circumstances as defined in Section 1135 (g) of the Act and also are within a county or statistically equivalent entity, U.S. territory or tribal government designated in a major disaster declaration under the Stafford Act.
 - Areas where the Health and Human Services (HHS) Secretary exercised their authority under Section 1135 of the Act can be found at the Public Health Emergency website at <https://www.phe.gov/emergency/news/healthactions/section1135/Pages/default.aspx>
 - Major disaster areas are identified by the Federal Emergency Management Agency (FEMA) website at: <https://www.fema.gov/disasters>.

Table P-1 lists the Section 1135 waivers issued by the HHS Secretary along with associated FEMA major disaster information that falls within the performance period for the 2025 Star Ratings.

Table P-1: Section 1135 waivers issued in relation to the FEMA major disaster declarations

Section 1135 Waiver Date Issued	Waiver or Modification of Requirements Under Section 1135 of the Social Security Act	FEMA Incident Type	Affected State	Incident Start Date
3/27/2023	Severe Storms, Straight-Line Winds, and Tornadoes	Severe Storms, Straight-Line Winds, and Tornadoes	Mississippi	3/24/2023
6/2/2023	Typhoon Mawar	Typhoon Mawar	Guam	5/22/2023
8/11/2023	Wildfires	Wildfires	Hawaii	8/8/2023
8/30/2023	Hurricane Idalia	Hurricane	Florida	8/27/2023
9/12/2023	Hurricane Idalia	Hurricane	Georgia	8/30/2023

- Identify the counties or statistically equivalent entities which were declared as Individual Assistance areas by each of the FEMA major disaster declarations that meet the criteria set out in Step 1 below.

Table P-2 lists all of the relevant FEMA major disaster declarations along with the state and associated Individual Assistance counties.

Table P-2: Individual Assistance counties in FEMA Major Disaster Declared States

FEMA Declaration	State	FEMA Individual Assistance Counties or County-Equivalents
DR-4697-MS	Mississippi	Carroll, Humphreys, Monroe, Montgomery, Panola, Sharkey
DR-4715-GU	Guam	Guam
DR-4724-HI	Hawaii	Maui
DR-4734-FL	Florida	Charlotte, Citrus, Columbia, Dixie, Gilchrist, Hamilton, Hernando, Hillsborough, Jefferson, Lafayette, Levy, Madison, Manatee, Pasco, Pinellas, Sarasota, Suwannee, Taylor
DR-4738-GA	Georgia	Berrien, Brooks, Cook, Glynn, Lowndes

- Identify the service area at the state/county level for each contract in operation during the performance period. The service area of some organization types rated in the Star Ratings are not defined at the state/county level, so their service area must be transformed to include all states and counties covered by their service area.

Table P-3 lists how the service area for each organization type rated in the Star Ratings is defined and what transformation, if any, is needed to create a common state/county level file for all contracts.

Table P-3: Organization type service areas and necessary transformations

Star Rating Organization Types	How Service Area is defined	How Service Area is transformed
1876 Cost, E-CCP, E-PDP, E-PFFS, Local CCP, MSA, PFFS, R-PFFS & R-CCP	State/County	Not necessary, service area is defined at the state/county level
Regional CCP	MA Region	A record is created for each state/county within the MA region
PDP	PDP Region	A record is created for each state/county within the PDP region

- Compare the Individual Assistance states and counties from Step 2 below to the service area from all contracts created in Step 3 below with the state and counties. Create a list of all contracts which have any county that matches in both lists.
- Create a second list of all contracts that do not share any service area with the Individual Assistance counties, so that information on the status of all contracts is accounted for during the performance period.
- Identify the timeframe for each disaster and the associated enrollment files. Each of the disasters occurred during a specific period of time. Since the enrollment in a contract is constantly changing, CMS used the enrollment the contract was paid for in a month that as closely matched the disaster period in the specific state/county as possible for all further processing, following the months in the table below.

Table P-4 shows each of the disasters where relief was granted along with the disaster start date, and the enrollment file month that was used for that specific disaster. The enrollment file choice was based on the enrollment file cut-off date the file was created.

Table P-4: Major Disasters with associated enrollment months

FEMA Declaration	State	Start Date	Enroll File	Enroll Cut Off
DR-4697-MS	Mississippi	3/24/2023	May 2023	April 7, 2023
DR-4715-GU	Guam	5/22/2023	July 2023	June 2, 2023
DR-4724-HI	Hawaii	8/8/2023	September 2023	August 4, 2023
DR-4734-FL	Florida	8/27/2023	October 2023	September 8, 2023
DR-4738-GA	Georgia	8/30/2023	October 2023	September 8, 2023

- Calculate disaster impacted enrollment for contracts experiencing multiple disasters. Because the contracts serve areas of different sizes and can sometimes serve large, diverse areas, it is common for a contract to be affected by more than one of the disasters. To account for this, CMS averaged the county/state level enrollments from each of corresponding enrollment periods in which the contract was affected.

Table P-5 shows an example where all possible enrollment periods are accounted for and how the enrollment for a contract in a state/county which matched the contract's service area state/county was calculated. Enrollment in out of service area state/counties was not included.

Table P-5: How enrollment periods were combined for contracts experiencing multiple disasters

Formula ID	Enrolled 202X_10	Enrolled 202X_11	Enrolled 202X_12	Enrollment Used
B	True	True	True	$(202X_{10} + 202X_{11} + 202X_{12}) / 3$
C	True	True		$(202X_{10} + 202X_{11}) / 2$
F	True		True	$(202X_{10} + 202X_{12}) / 2$
H	True			202X_10
J		True	True	$(202X_{11} + 202X_{12}) / 2$
L		True		202X_11
N			True	202X_12
P				0 (zero)

- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in the entire service area for the contract to be used in further processing.
- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in all of the Individual Assistance counties that correspond to the contract service area.
- Using the final list of affected contracts from Step 4 below, calculate the percentage of the contract's total service area enrollment that was affected by the Individual Assistance area enrollment. Create flags for the $\geq 25\%$ and $\geq 60\%$ thresholds for processing of the ratings data for those contracts.

Steps 1 and 2 use the disasters and counties that have already been defined in Tables P-1 & P-2. For Steps 3 through 10, we use an example contract, HAAAA, which offers services to some counties from both California and Texas.

Step 3, Table P-6 below contains the full list of counties that make up the service area for contract HAAAA.

Step 4, the Individual Assistance County column is included in Table P-6. Rows marked TRUE are matches from Individual Assistance counties in the disasters for year 202X and the service areas of HAAAA. The rows marked FALSE were not Individual Assistance counties for any of the disasters in HAAAA.

Step 5, since the example contract HAAAA has service areas that coincide with disaster counties, it is not included in the list of contracts not affected.

Step 6, there are two separate enrollment periods associated with the disasters that match example contract HAAAA's service area. Those enrollment periods are 202X/09 & 202X/11. Columns for all enrollment periods are included in Table P-6, but only the valid enrollment periods contain the necessary data.

Step 7, the average enrollment is calculated for the included enrollment periods. The result of each average enrollment calculation for each county in the example contract's service area is shown in the final column of Table P-6.

Table P-6: Example Contract HAAAA's Service Areas and Enrollment during Relevant Disasters

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
06003	Alpine	CA	No	FALSE	8	-	8	8
06009	Calaveras	CA	No	FALSE	849	-	850	850
06011	Colusa	CA	No	FALSE	168	-	166	167
06015	Del Norte	CA	No	FALSE	369	-	360	364
06023	Humboldt	CA	No	FALSE	702	-	710	706
06045	Mendocino	CA	No	TRUE	428	-	429	428
06049	Modoc	CA	No	FALSE	157	-	158	158
06063	Plumas	CA	No	FALSE	182	-	181	182
06093	Siskiyou	CA	No	FALSE	798	-	800	799
06105	Trinity	CA	No	FALSE	150	-	150	150
48043	Brewster	TX	Yes	FALSE	16	-	15	16
48047	Brooks	TX	Yes	FALSE	28	-	27	28
48049	Brown	TX	Yes	FALSE	64	-	65	64
48057	Calhoun	TX	Yes	TRUE	28	-	28	28
48093	Comanche	TX	Yes	FALSE	33	-	32	32
48103	Crane	TX	Yes	FALSE	8	-	8	8
48109	Culberson	TX	Yes	FALSE	3	-	3	3
48123	DeWitt	TX	Yes	TRUE	26	-	26	26
48131	Duval	TX	Yes	FALSE	30	-	28	29
48133	Eastland	TX	Yes	FALSE	64	-	62	63
48143	Erath	TX	Yes	FALSE	61	-	59	60
48163	Frio	TX	Yes	FALSE	43	-	42	42

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
48171	Gillespie	TX	Yes	FALSE	17	-	17	17
48175	Goliad	TX	Yes	TRUE	18	-	18	18
48177	Gonzales	TX	Yes	TRUE	41	-	41	41
48237	Jack	TX	Yes	FALSE	35	-	34	34
48239	Jackson	TX	Yes	TRUE	30	-	30	30
48255	Karnes	TX	Yes	TRUE	19	-	19	19
48265	Kerr	TX	Yes	FALSE	85	-	86	86
48283	La Salle	TX	Yes	FALSE	25	-	25	25
48297	Live Oak	TX	Yes	FALSE	24	-	24	24
48301	Loving	TX	Yes	FALSE	0	-	0	0
48311	McMullen	TX	Yes	FALSE	4	-	4	4
48321	Matagorda	TX	Yes	TRUE	144	-	140	142
48323	Maverick	TX	Yes	FALSE	160	-	156	158
48371	Pecos	TX	Yes	FALSE	20	-	21	20
48377	Presidio	TX	Yes	FALSE	50	-	49	50
48389	Reeves	TX	Yes	FALSE	8	-	8	8
48391	Refugio	TX	Yes	TRUE	21	-	21	21
48443	Terrell	TX	Yes	FALSE	9	-	9	9
48463	Uvalde	TX	Yes	FALSE	13	-	10	12
48469	Victoria	TX	Yes	TRUE	158	-	154	156
48475	Ward	TX	Yes	FALSE	15	-	15	15
48495	Winkler	TX	Yes	FALSE	20	-	20	20

Step 8, sum the average enrollment from all rows from Table P-6. The total comes out to 5,120 for contract HAAAA.

Step 9, sum the average enrollment from all the rows from Table P-6 where the Individual Assistance counties is TRUE for contract HAAAA. The Individual Assistance total comes out to 909.

Step 10, calculate the final percentage for contract HAAAA. $(909 / 5,120) * 100 = 17.753906 = 18\%$. Both flags for $\geq 25\%$ and $\geq 60\%$ are set to false since the example contract did not meet those thresholds.

Attachment Q: Missing Data Messages

CMS uses a standard set of messages in the Star Ratings when there are no numeric data available for a contract. This attachment provides the rules for assignment of those messages in each level of the Star Ratings.

Measure level messages

Table Q-1 contains all of the possible messages that could be assigned to missing data at the measure level.

Table Q-1: Measure level missing data messages

Message	Measure Level
Coming Soon	Used for all measures in MPF between Oct 1 and when the actual Star Rating data go live
Medicare shows only a Star Rating for this topic	Used in the numeric data for the Part C & D improvement measures in MPF and Plan Preview 2
Not enough data available	There were data for the contract, but not enough to pass the measure exclusion rules
CMS identified issues with this plan's data	Data were materially biased, erroneous and/or not reported by a contract required to report
Not Applicable	Used in the numeric data for the improvement measures in Plan Preview 1. In the HPMS Measure Star Page when a measure does not apply for a contract. When a Disenrollment Reasons Survey measure does not apply to the contract type.
Benefit not offered by plan	The contract was required to report this HEDIS measure but doesn't offer the benefit to members
Plan too new to be measured	The contract is too new to have submitted measure data
No data available	There were no data for the contract included in the source data for the measure
Plan too small to be measured	The contract had data but did not have enough enrollment to pass the measure exclusion rules
Plan not required to report measure	The contract was not required to report the measure

Assignment rules for Part C measure messages

Part C uses a set of rules for assigning the missing data message that varies by the data source. The rules for each data source are defined below.

Appeals (IRE) measures (C28 & C29):

Has CMS identified issues with the contract's data?

Yes: Display message: CMS identified issues with this plan's data

No: Is there a valid numeric measure rate?

Yes: Display the numeric measure rate

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (C03, C19, C20, C21, C22, C23, & C24):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2023?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost, MSA, or Employer/Union Only Direct Contract PDP?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2024?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (C25):

Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2023?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

HEDIS measures except PCR and TRC (C01, C02, C08 – C11, C14, C16, C18):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2023?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the status NA?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2023?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the combined denominator for the 18-64 and 65+ measures <150?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

HEDIS TRC average (C17):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2023?

Yes: Display message: Plan too small to be measured

No: Is the audit designation for all four TRC measures R?

No: Is the audit designation for any of the four TRC measures BD, BR, or NR?

Yes: Display message: CMS identified issues with this plan's data

No: Is the audit designation for any of the four TRC measures NB?

Yes: Display message: Benefit not offered by plan

No: The audit designation for one of the four TRC measures is NQ.

Display message: Plan not required to report measure

Yes: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the status for any component of the TRC average measure NA?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

HEDIS SNP measures (C06 & C07):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2025?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Is there a valid HEDIS measure numeric rate?

Yes: What is the status?

NA: Display message: Not enough data available

R: Display the HEDIS measure numeric rate

No: Display message: No data available

HEDIS-HOS measures (C04, C12, & C13):

Is there a valid HEDIS-HOS numeric rate?

Yes: Display the HEDIS-HOS numeric rate

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Is the February 2023 contract enrollment < 500?

Yes: Display message: Plan too small to be measured

No: Is there a HEDIS-HOS rate code?

Yes: Assign message according to value below:

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

No: Display message: No data available

Members Choosing to Leave the Plan (C26):

Is there a valid numeric voluntary disenrollment rate?

Yes: Display the numeric voluntary disenrollment rate

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Plan Reporting SNP measure (C05):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2025?

Yes: Display message: Plan not required to report measure

No: Is there a valid Plan Reporting numeric rate?

Yes: Display the Plan Reporting numeric rate

No: Were there Data Issues Found?

Yes: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: No data available

Improvement (Star Ratings) measure (C27):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part D measure messages

CAHPS measures (D05, D06):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2023?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Call Center – Foreign Language Interpreter and TTY Availability measure (D01):

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2024?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (D02):

Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2023?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

Improvement (Star Ratings) measure (D04):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Members Choosing to Leave the Plan (D03):

- Is there a valid numeric voluntary disenrollment rate?
 - Yes: Display the numeric voluntary disenrollment rate
 - No: Is the contract effective date > 01/01/2023?
 - Yes: Display message: Plan too new to be measured
 - No: Display message: Not enough data available

MPF Price Accuracy measure (D07):

- Is the contract effective date > 9/30/2023?
 - Yes: Display message: Plan too new to be measured
 - No: Does contract have at least 30 claims over the measurement period for the price accuracy index?
 - Yes: Display the numeric price accuracy rate
 - No: Is the organization type 1876 Cost and does not offer Drugs?
 - Yes: Display message: Plan not required to report measure
 - No: Display message: Not enough data available

Patient Safety measures – Adherence (D08 - D10) & SUPD (D12):

- Does the contract offer Part D?
 - Yes: Is the contract effective date > 12/31/2023?
 - Yes: Display message: Plan too new to be measured
 - No: Does contract have 30 or fewer enrolled beneficiary member years (measure denominator)?
 - Yes: Display message: Not enough data available
 - No: Display numeric measure percentage
 - No: Plan not required to report measure

Patient Safety measure – MTM CMR (D11)

- Is the contract effective date > 12/31/2023?
 - Yes: Display message: Plan too new to be measured
 - No: Is Part D offered?
 - Yes: Is there a numeric rate?
 - Yes: Display numeric measure percentage
 - No: Is there a Reason(s) for Display Message?
 - Yes: Display appropriate message per table Q-2
 - No: Display message: Plan not required to report measure

Table Q-2: MTM CMR Reason(s) for Display Message conversion

Reason(s) for Display Message	Star Ratings Message
Contract failed to submit file and pass system validation by the reporting deadline	CMS identified issues with this plan's data
Contract did not pass element-level DV for at least one element	CMS identified issues with this plan's data
Contract had missing score on MTM section DV	CMS identified issues with this plan's data
Contract scored less than 95% on MTM section DV	CMS identified issues with this plan's data
Contract had 30 or fewer beneficiaries meeting denominator criteria	Not enough data available
Contract had all plans terminate by validation deadline	Not required to report
Contract had no MTM enrollees to report	Not required to report
Contract has 0 Part D enrollees	Not required to report
Contract not required to submit MTM program	Not required to report

Domain, Summary, and Overall level messages

Table Q-3 contains all of the possible messages that could be assigned to missing data at the domain, summary, and overall levels.

Table Q-3: Domain, Summary, and Overall level missing data messages

Message	Domain Level	Summary & Overall Level
Coming Soon	Used for all domain ratings in MPF between Oct 1 and when the actual Star Rating data go live	Used for all summary and overall ratings in MPF between Oct 1 and when the actual Star Rating data go live
Not enough data available	The contract did not have enough rated measures to calculate the domain rating	The contract did not have enough rated measures to calculate the summary or overall rating
Plan too new to be measured	The contract is too new to have submitted measure data for a domain rating to be calculated	The contract is too new to have submitted data to be rated in the summary or overall levels

Assignment rules for Part C & Part D domain rating level messages*Part C & D domain message assignment rules:*

Is there a numeric domain star?

Yes: Display the numeric domain star

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part C & Part D summary rating level messages*Part C & D summary rating message assignment rules:*

Is there a numeric summary rating star?

Yes: Display the numeric summary rating star

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Overall rating message assignment rules:

Is there a numeric overall rating star?

Yes: Display the numeric overall rating star

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Disenrollment Reasons messages

The 2025 Star Ratings posted to the CMS downloadable Master Table and HPMS includes data collected from the Disenrollment Reasons Survey (DRS). The DRS data was not used at any point in the calculation of the Star Ratings. The data are provided for information only at this time and are shown in HPMS with the Star Ratings data and on the display page at <http://go.cms.gov/partcanddstarratings>.

Because there are instances where a contract does not have data to display, a set of rules was developed to assign messages where data was missing so the data area would not be left blank.

Table Q-4 contains all of the possible messages that could be assigned to missing data in the disenrollment reason data displayed in HPMS.

Table Q-4: Disenrollment Reason missing data messages

Message	Meaning
Not Applicable	Used when the DRS measure does not apply to the contract type
Not Available	Used when there is no numeric data available or data reliability indicated the value should be suppressed
Plan too new to be measured	The contract is too new for data to be collected for the measure

Disenrollment Reasons message assignment rules:

Is the contract effective date > 1/1/2023?

Yes: Display message: Plan too new to be measured

No: Is there numeric data for the contract in this DRS measure?

Yes: Did the data reliability check indicate the data should be suppressed?

Yes: Display message: Not Available

No: Display the numeric DRS rate

No: Does the DRS measure apply to the organization type

Yes: Display message: Not Available

No: Display message: Not Applicable

AEP	The annual period from October 15 until December 7 when a Medicare beneficiary can enroll into a Medicare Part C or D plan or re-enroll into their existing Medicare Part C or D Plan or change into another Medicare plan is known as the Annual Election Period (AEP). The chosen Medicare Part C or D plan coverage begins on January 1 st .
C-SNP	Chronic Condition Special Needs Plans (C-SNPs) are SNPs that restrict enrollment to special needs individuals with specific severe or disabling chronic conditions, defined in 42 CFR 422.2.
CAHPS	The term CAHPS refers to a comprehensive and evolving family of surveys that ask consumers and patients to evaluate the interpersonal aspects of health care. CAHPS surveys probe those aspects of care for which consumers and patients are the best and/or only source of information, as well as those that consumers and patients have identified as being important. CAHPS initially stood for the Consumer Assessment of Health Plans Study, but as the products have evolved beyond health plans, the acronym now stands for Consumer Assessment of Healthcare Providers and Systems.
CCP	A Coordinated Care Plan (CCP) is a health plan that includes a network of providers that are under contract or arrangement with the organization to deliver the benefit package approved by CMS. The CCP network is approved by CMS to ensure that all applicable requirements are met, including access and availability, service area, and quality requirements. CCPs may use mechanisms to control utilization, such as referrals from a gatekeeper for an enrollee to receive services within the plan, and financial arrangements that offer incentives to providers to furnish high quality and cost-effective care. CCPs include HMOs, PSOs, local and regional PPOs, and senior housing facility plans. SNPs can be offered under any type of CCP that meets CMS's requirements.
Cohort	A cohort is a group of people who share a common designation, experience, or condition (e.g., Medicare beneficiaries). For the HOS, a cohort refers to a random sample of Medicare beneficiaries that is drawn from each Medicare Advantage Organization (MAO) with a minimum of 500 enrollees and surveyed every spring (i.e., a baseline survey is administered to a new cohort each year). Two years later, the baseline respondents are surveyed again (i.e., follow up measurement). For data collection years 1998-2006, the MAO sample size was 1,000. Effective 2007, the MAO sample size was increased to 1,200.
Cost Plan	A plan operated by a Health Maintenance Organization (HMO) or Competitive Medical Plan in accordance with a cost reimbursement contract under §1876(h) of the Act. In the Star Ratings, CMS classifies a Cost Plan not offering Part D as MA-Only and a Cost Plan offering Part D as MA-PD.
D-SNP	Dual Eligible Special Needs Plans (D-SNPs) enroll individuals who are entitled to both Medicare (title XVIII) and medical assistance from a state plan under Medicaid (title XIX). States cover some Medicare costs, depending on the state and the individual's eligibility.

Disability Status	Based on the original reason for entitlement for Medicare (Disability insurance benefits or both Disability insurance benefits and End-Stage Renal Disease).
Dual eligibles	Individuals who are entitled to Medicare Part A and/or Part B and are eligible for some form of Medicaid benefit.
Euclidean distance	The absolute value of the difference between two points, x-y.
HEDIS	The Healthcare Effectiveness Data and Information Set (HEDIS) is a widely used set of performance measures in the managed care industry, developed and maintained by the National Committee for Quality Assurance (NCQA).
HOS	The Medicare Health Outcomes Survey (HOS) is the first patient reported outcomes measure used in Medicare managed care. The goal of the Medicare HOS program is to gather valid, reliable, and clinically meaningful health status data in the Medicare Advantage (MA) program for use in quality improvement activities, pay for performance, program oversight, public reporting, and improving health. All managed care organizations with MA contracts must participate.
I-SNP	Institutional Special Needs Plans (I-SNPs) are SNPs that restrict enrollment to institutionalized special needs individuals defined in 42 CFR 422.2.
IRE	The Independent Review Entity (IRE) is an independent entity contracted by CMS to review Medicare health and drug plans' adverse reconsiderations of organization determinations.
LIS	The Low Income Subsidy (LIS) from Medicare provides financial assistance for beneficiaries who have limited income and resources. Those who receive the LIS get help paying for their monthly premium, yearly deductible, prescription coinsurance, and copayments and they will have no gap in coverage.
LIS/DE	Beneficiaries who qualify at any point in the year for a low income subsidy through the application process and/or who are full or partial Dual (Medicare and Medicaid) beneficiaries.
MA	A Medicare Advantage (MA) organization is a public or private entity organized and licensed by a State as a risk-bearing entity (with the exception of provider-sponsored organizations receiving waivers) that is certified by CMS as meeting the MA contract requirements.
MA-Only	An MA organization that does not offer Medicare prescription drug coverage.
MA-PD	An MA organization that offers Medicare prescription drug coverage and Part A and Part B benefits in one plan.
MSA	Medicare Medical Savings Account (MSA) plans combine a high deductible MA plan and a medical savings account (which is an account established for the purpose of paying the qualified medical expenses of the account holder).
Percentage	A part of a whole expressed in hundredths. For example, a score of 45 out of 100 possible points is the same as 45%.

Percentile	The value below which a certain percent of observations fall. For example, a score equal to or greater than 97 percent of other scores attained on the same measure is said to be in the 97th percentile.
PDP	A Prescription Drug Plan (PDP) is a stand-alone drug plan, offered by insurers and other private companies to beneficiaries who receive their Medicare Part A and/or B benefits either through the Original Medicare Plan, Medicare Private Fee-for-Service Plans that do not offer prescription drug coverage, or Medicare Cost Plans that do not offer Medicare prescription drug coverage.
PFFS	Private Fee-for-Service (PFFS) is defined as an MA plan that pays providers of services at a rate determined by the plan on a fee-for-service basis without placing the provider at financial risk; does not vary the rates for a provider based on the utilization of that provider's services; and does not restrict enrollees' choices among providers who are lawfully authorized to provide services and agree to accept the plan's terms and conditions of payment. The Medicare Improvements for Patients and Providers Act (MIPPA) added that although payment rates cannot vary based solely on utilization of services by a provider, a PFFS plan is permitted to vary the payment rates for a provider based on the specialty of the provider, the location of the provider, or other factors related to the provider that are not related to utilization. Furthermore, MIPPA also allows PFFS plans to increase payment rates to a provider based on increased utilization of specified preventive or screening services. See section 30.4 of the Medicare Managed Care Manual Chapter 1 for further details on PFFS plans.
Reliability	A measure of the fraction of the variation among the observed measure values that is due to real differences in quality (“signal”) rather than random variation (“noise”). On a scale from 0 (all differences among plans are due to randomness of sampling) to 1 (every plan's quality is measured with perfect accuracy).
SNP	A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. A special needs individual could be any one of the following: 1) an institutionalized individual, 2) a dual eligible beneficiary, or 3) an individual with a severe or disabling chronic condition, as specified by CMS. A SNP may be any type of MA CCP. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP).
Sponsor	An entity that sponsors a health or drug plan.
Statistical Significance	Statistical significance assesses how likely differences observed are due to chance when plans are actually the same. CMS uses statistical tests (e.g., t-test) to determine if a contract's measure value is statistically significantly greater or less than the national average for that measure, or whether conversely the observed differences from the national average could have arisen by chance.
Sum of Squares	Method used to measure variation or deviation from the mean.
TTY	A teletypewriter (TTY) is an electronic device for text communication via a telephone line, used when one or more of the parties has hearing or speech difficulties.

This attachment is designed to assist reviewers of the data displayed in HPMS (<https://hpms.cms.gov>) to understand the various pages and fields shown in the HPMS Star Ratings module. This module employs standard HPMS user access rights so that users can only see contracts associated with their user id.

HPMS Star Ratings Module

The HPMS Star Ratings module contains the Part C & Part D data and stars for all contracts that were rated in the ratings year along with much of the detailed data that went into the various calculations. To access the Star Ratings module you must be logged into HPMS. If you do not have access to HPMS, information on how to obtain access can be found here: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/HPMS/Overview.html>

Once you are logged into HPMS, from the home page, select *Performance Metrics* from the *Quality and Performance* menu; the Performance Metrics page will be displayed. If you do not see *Performance Metrics*, your user id does not have the correct access permissions; please contact CMSHPMS_Access@cms.hhs.gov. From the Performance Metrics page, select *Reports* and then *Star Ratings and Display Measures* from the left side menu. The *Star Ratings and Display Measures* home page will be displayed.

On the *Star Ratings and Display Measures* home page, select *Star Ratings* as the Report Type and select a reporting period. The remainder of this attachment describes the HPMS pages available for the 2025 Star Ratings.

1. Measure Data page

The Measure Data page displays the numeric data for all Part C and Part D measures. This page is available during the first plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measures which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain name. The row immediately below the measure information contains the data time frame of the measure. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-1 below shows a sample of the left hand most columns shown in HPMS.

Table S-1: Measure Data page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines		
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
				01/01/2023 - 12/31/2023	01/01/2023 - 12/31/2023	03/2024 - 06/2024
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	73%	81%
HCCCC	Market C	Contract C	PO C	63%	71%	80%

2. Measure Detail – CTM Summary page

The Measure Detail – CTM Summary page contains the underlying data used for the Part C and Part D Complaints (C25/D02) measures. This page is available during the first plan preview. Table S-2 below explains each of the columns displayed on this page.

Table S-2: Measure Detail – CTM Summary page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Number of Complaints	Number of non-excluded complaints for the contract
Complaint Average Enrollment	The average enrollment used in the final calculation
Complaints Less Than 800 Enrolled	Yes / No, Yes = average enrollment < 800, No = average enrollment ≥ 800

3. Measure Detail – Part C Appeals page

The Measure Detail – Part C Appeals page contains the case-level data of the non-excluded cases used in producing the Part C Appeals measures Plan Makes Timely Decisions about Appeals (C28) and Reviewing Appeals Decisions (C29). The data displayed on this page reflect the state of the appeals case at the time the data were pulled for use in the 2025 Star Ratings. This page is available during the first plan preview. Table S-3 below explains each of the columns displayed on this page.

Table S-3: Measure Detail – Part C Appeals page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Appeal Number	The case ID assigned to the appeal request
Appeal Priority	The priority of the appeal (Std Pre-Service, Exp Pre-Service, Pre-Service B Drug, or Retro)
Status	The status of the appeal (Closed, Decided, Pending, Promoted, Remanded, Reopened, Requested)
Date Appeal Filed	The Date the Plan Reconsideration was requested, as reported by the Part C Plan
Corrected Appeal Date	The Date Appeal Filed, as determined by the IRE/QIC
Date File Received (QIC)	The Date the IRE/QIC received the Appeal from the Part C Plan
Level 1 Extension	Indicates if the contract took an extension during their processing of the reconsideration, as reported by the contract
Adjusted Plan Interval	The number of days between the Date Appeal Filed (or Corrected Appeal Date, if applicable) and the Date File Received (QIC) adjusted based on the Appeal Priority (Std Pre-Service, Exp Pre-Service, or Retro) and adjusted to account for 5 mailing days
Appeal Decision	Decision associated with the appeal: Dismiss Appeal, Dismissed – Plan Approved Coverage, Favorable (Overturn MCO Denial), Partially Favorable (Partly Overturn MCO Denial), Unfavorable (Uphold MCO Denial), Withdraw Appeal, Remand to Plan.
Late Indicator	Indicates if the appeal case was considered late or not (0=Not Late, 1=Late)

4. Measure Detail – SNP CM page

The Measure Detail – SNP CM page contains the underlying data used in calculating the Part C SNP Care Management measure (C05). The formulas used to calculate the SNP CM measure are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-4 below explains each of the columns displayed on this page.

Table S-4: Measure Detail – SNP CM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Number of new enrollees	Number of new SNP enrollees eligible for an initial assessment (Data Element A)
Number of enrollees eligible for an annual HRA	Number of SNP enrollees eligible for an annual reassessment (Data Element B)
Number of initial HRAs performed on new enrollees	Number of initial assessments performed on new SNP enrollees (Data Element C)
Number of annual reassessments performed	Number of annual reassessments performed on eligible SNP enrollees (Data Element F)
Total Number of SNP Enrollees Eligible	Final measure numerator (Data Elements A + B)
Total Number of Assessments Performed	Final measure denominator (Data Elements C + F)
Percent of Eligible SNP Enrollees Receiving an Assessment	Final measure score
Data Validation Score	The data validation score for the contract
Reason for Exclusion	Reason (if any) contract submitted data was not used to generate a score

5. Measure Detail – HEDIS page

The Measure Detail – HEDIS page contains the underlying data used in calculating the Part C HEDIS SNP Care for Older Adults measures, the Transitions of Care measure and the Plan All-Cause readmissions measure. The formulas used to calculate the SNP measures are detailed in [Attachment E](#). The formula used to calculate the PCR measure is detailed in [Attachment F](#). This page is available during the first plan preview. Table S-5 below explains each of the columns displayed on this page and Table S-6 explains the HEDIS audit designations.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
PBP ID	The Plan Benefit Package number associated with the data
Measure ID	The Star Ratings measure ID that corresponds to the data in the given row
Measure Name	The measure name that corresponds to the data in the given row
Rate	The measure rate
Eligible Population	The measure eligible population
Observed Count	The measure observed count (only applicable for PCR)
Expected Count	The expected count (only applicable for PCR)
Denominator	The measure denominator
Audit Designation	The audit designation (the audit codes are defined in the next table)
Status	The status (the status codes are defined in the next table)
Average Plan Enrollment	The average enrollment in the PBP during 2023 (see section Contract Enrollment Data)

Table S-6: HEDIS 2023 Audit Designations and 2025 Star Ratings

Audit Designation	Status	NCQA Description	Resultant Star Rating
R	R	Reportable	Assigned 1 to 5 stars depending on reported value
BR	R or NA	Biased Rate	1 star, numeric data set to “CMS identified issues with this plan’s data”
R	NA	Small Denominator	“Not enough data available”
NB	R or NA	No Benefit	“Benefit not offered by plan”
NR	R or NA	Not Reported	1 star, numeric data set to “CMS identified issues with this plan’s data”
NQ	R or NA	Not Required	“Plan not required to report measure” (applies only to 1876 Cost in the PCRb measure)
UN		Un-Audited	Not possible in Star Ratings measures which only use audited data

6. Measure Detail – CTM page

The Measure Detail – CTM page contains the case level data of the non-excluded cases used in producing the Part C & Part D Complaints measure (C25/D02). This page is available during the first plan preview. Table S-7 below explains each of the columns displayed on this page.

Table S-7: Measure Detail – CTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Complaint ID	The case number associated with the complaint in the HPMS CTM module
Complaint Category	The complaint category code
CMS Issue	Is the complaint designated as a CMS issue? (Yes/No)
Category	The complaint category description of CMS or plan lead
Subcategory	The complaint subcategory description associated with this case
Subcategory — Other	The complaint additional subcategory description associated with this case
Contract Assignment / Reassignment Date	The date that complaints are assigned or re-assigned to contracts

7. Measure Detail – Disenrollment

The Measure Detail – Disenrollment page contains data that are used in calculating the Part C & Part D disenrollment measure (C26/D03). The page shows the denominator, unadjusted numerator and original rate received from the MBDSS annual report. It also contains the adjusted numerator and final rate after all members meeting the measure exclusion criteria described in the measure description have been removed. This page is available during the first plan preview. Table S-8 below explains each of the columns displayed on this page.

Table S-8: Measure Detail – Disenrollment page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Number Enrolled	The number of all members in the contract from MBDSS annual report
Number Disenrolled	The number disenrolled with a disenrollment reason code of 11, 13, 14 or 99, from the MBDSS annual report
Original Rate	The disenrollment rate as calculated by the annual MBDSS report
Adjusted Disenrolled	The adjusted numerator when all members who meet the measure exclusion criteria are removed
Adjusted Rate	The final adjusted disenrollment rate used in the Star Ratings
>1000 Enrolled	Flag indicates contract non-employer group enrollment >1,000 members during the year or contracts that did not have any disenrollments meeting the inclusion criteria (True = Yes, False = No)

8. Measure Detail – DR (Disenrollment Reasons)

The Measure Detail – Disenrollment Reasons page contains the data from the Disenrollment Reasons Survey (DRS). The Disenrollment Reasons data are not used at any point in the calculations of the Star Ratings but are provided in HPMS for information only at this time. The data come from surveys sent to enrollees who disenrolled between 1/1/2023 and 12/31/2023. Scores are suppressed if they are measured with very low reliability (< 0.60) and not statistically different from the national mean. This page is available during the first plan preview. Table S-9 below explains each of the columns displayed on this page.

Table S-9: Measure Detail – Disenrollment Reasons page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
DR PGPPNC	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)
DR PCDH	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)
DR FRD	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)
DR PPDBC	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)
DR PGIHP	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)

9. Measure Detail – MTM page

The Measure Detail – MTM page contains each contract's underlying denominator and numerator after measure specifications have been applied to the plan-reported validated data to calculate the Part D MTM Program Completion Rate for CMR (D11). The formulas used to calculate the MTM measure are detailed in [Attachment N](#). This page is available during the first plan preview. Table S-10 below explains each of the columns displayed on this page.

Table S-10: Measure Detail – MTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Part D Enrollees	The number of Part D enrollees in the contract (average monthly HPMS enrollment)
Total MTM Enrollees, All	The number of Part D enrollees enrolled in the contract's MTM program (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted, Adjusted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D plan-reported data) after measure specifications applied as detailed in Attachment N . (Measure Denominator)
Total MTM Enrollees, Targeted, Adjusted, Who Received a CMR	The number of beneficiaries from the denominator who received a CMR. (Measure Numerator)
MTM Program Completion Rate for CMR	The percent of MTM program enrollees who received a CMR. (Measure Numerator)/(Measure Denominator)
MTM Section Data Validation Score	Contract's score in data validation (DV) for their MTM Program Reporting Requirements data
Reason(s) for Display Message	Reason(s) for display message assignment (if applicable)

The Measure Detail – CAHPS page contains the underlying data used in calculating the Part C & D CAHPS measures: Annual Flu Vaccine (C03), Getting Needed Care (C19), Getting Appointments and Care Quickly (C20), Customer Service (C21), Rating of Health Care Quality (C22), Rating of Health Plan (C23), Care Coordination (C24), Rating of Drug Plan (D05), and Getting Needed Prescription Drugs (D06). This page is available during the first plan preview. Table S-11 below explains each of the columns displayed on this page.

Table S-11: Measure Detail – CAHPS page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
CAHPS Measure	The CAHPS measure identifier followed by the Star Ratings measure id in parenthesis
Reliability	The contract-level reliability of the measure data
Statistical Significance	The statistical significance of the measure data (Below Average, No Difference, Above Average)
Use N	The number of usable surveys with responses to the item, or at least one item of a composite
Mean Score on Original Scale	The mean score on the original survey response scale
Variance of Mean on Original Scale	The sampling variance of contract mean ("Mean score") on the original scale
Standard Error on Original Scale	The standard error of the contract mean ("Mean score") on the original scale; square root of "variance"
Scaled Mean	The contract mean score rescaled to a 0-100 scale
Scaled SE	The standard error of the 0-100 scaled mean
Base Group	Categories determined by the percentile cutoffs from the distribution of mean scores
Star Rating	Determined by the percentile cutoffs, statistical significance of the difference of the contract mean from the overall mean, the statistical reliability of the estimate, and standard error of the mean score

11. Calculation Detail – MD

The Calculation Detail – MD page contains the summary of service area and enrollment data used to calculate the percentages for use in the Major Disaster rules for the individual measures. This page is available during the first plan preview. Table S-12 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Disaster Flag 2023	Indicates if the contract was affected by a 2023 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2023	The total number of counties in the contract's 2023 service area (SA)
Num Cnty IA 2023	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2023 disaster
IA Enrolled 2023	The number of members residing in the contract SA designated FEMA IA counties in a 2023 disaster
Total Enrolled 2023	The total number of members residing in the contract's 2023 SA
IA % 2023	The percent of members living in IA areas in a 2023 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2023	The percent of members living in IA areas in a 2023 disaster rounded to an integer
>25% 2023	Flag that indicates if the contract has met the 25% threshold for 2023 disasters (Yes: >= 25 %, No: <25%)
>60% 2023	Flag that indicates if the contract has met the 60% threshold for 2023 disasters (Yes: >= 60 %, No: <60%)
Disaster Flag 2022	Indicates if the contract was affected by a 2022 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2022	The total number of counties in the contract's 2022 service area (SA)
Num Cnty IA 2022	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2022 disaster
IA Enrolled 2022	The number of members residing in the contract SA designated FEMA IA counties in a 2022 disaster
Total Enrolled 2022	The total number of members residing in the contract's 2022 SA
IA % 2022	The percent of members living in IA areas in a 2022 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2022	The percent of members living in IA areas in a 2022 disaster rounded to an integer
>=25% 2022	Flag that indicates if the contract has met the 25% threshold for 2022 disasters (Yes: >= 25 %, No: <25%)

12. Calculation Detail – CAI

The Calculation Detail – CAI page contains the enrollment data used to calculate the percentages for use in the Categorical Adjustment Index (CAI) to determine the Final Adjustment Categories for each of the summary and overall rating calculations. This page is available during the first plan preview. Table S-13 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Puerto Rico Only	Does the contract's non-employer service area only cover Puerto Rico? Yes or No
Contract Type	The contract plan type used to compute the ratings
Part D Offered	Is Part D offered by the contract? Yes or No
Enrolled	The total number enrolled in the contract used to determine the % LIS/DE and % Disabled
Num LIS/DE	The number of LIS/DE enrolled in the contract
Num Disabled	The number of Disabled enrolled in the contract
% LIS/DE	The percent of LIS/DE in the contract
% Disabled	The percent Disabled in the contract
Part C LIS/DE Initial Group	The Part C LIS/DE initial group this contract is in
Part C Disabled Quintile	The Part C Disabled Quintile group this contract is in
Part C FAC	The Part C Final adjustment category this contract is in
Part C CAI Value	The CAI value that will be combined with the final Part C summary score prior to rounding to half stars
Part D MA-PD LIS/DE Initial Group	The Part D MA-PD LIS/DE initial group this contract is in
Part D MA-PD Disabled Quintile	The Part D MA-PD Disabled Quintile group this contract is in
Part D MA-PD FAC	The Part D MA-PD Final adjustment category this contract is in
Part D MA-PD CAI Value	The CAI value that will be combined with the final Part D MA-PD summary score prior to rounding to half stars
Part D PDP LIS/DE Quartile	The Part D PDP LIS/DE Quartile group this contract is in
Part D PDP Disabled Quartile	The Part D PDP Disabled Quartile group this contract is in
Part D PDP FAC	The Part D PDP Final adjustment category this contract is in
Part D PDP CAI Value	The CAI value that will be combined with the final Part D PDP summary score prior to rounding to half stars
Overall LIS/DE Initial Group	The overall LIS/DE initial group this contract is in
Overall Disabled Quintile	The overall disabled Quintile group this contract is in
Overall FAC	The overall final adjustment category this contract is in
Overall CAI Value	The CAI value that will be combined with the final overall score prior to rounding to half stars

13. Measure Detail – HEDIS LE page

The Measure Detail – HEDIS LE page contains the data used to calculate the reliability of the HEDIS measures (C01, C02, C08 – C11, C14 – C18) data for contracts with ≥ 500 and $< 1,000$ members enrolled in July of the measurement year (July 01, 2023). This page is available during the second plan preview. Table S-14 below explains each of the columns displayed on this page.

Table S-14: Measure Detail – HEDIS LE page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Measure ID	The Star Ratings measure that the other data on this row is associated with
Rate	The submitted HEDIS rate
Score	The rounded value used for the measure in the Star Ratings
Enrollment	The contract enrollment for July 2023
Reliability	The computed reliability for the contract measure
Usable	The computed reliability ≥ 0.7 and rate is used = True, reliability < 0.7 and rate was not used = False

14. Measure Detail – C MD Results

The Part C Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-15 below explains the columns displayed on this page.

Table S-15: Measure Detail – C MD Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2025 Star Ratings Part C measure ID
2024 Value	The numeric measure value for the contract from the 2024 Star Ratings
2024 Star	The measure star for the contract from the 2024 Star Ratings
2025 Value	The numeric measure value for the contract from the 2025 Star Ratings
2025 Star	The measure star for the contract from the 2025 Star Ratings
Final Value	The measure value to be used in the 2025 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2025 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

15. Measure Detail – D MD Results

The Part D Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-16 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2025 Star Ratings Part D measure ID
2024 Value	The numeric measure value for the contract from the 2024 Star Ratings
2024 Star	The measure star for the contract from the 2024 Star Ratings
2025 Value	The numeric measure value for the contract from the 2025 Star Ratings
2025 Star	The measure star for the contract from the 2025 Star Ratings
Final Value	The measure value to be used in the 2025 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2025 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

16. Measure Detail – C Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part C measures. There is one column for each Part C measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part C measure columns which contains the final numeric Part C improvement score. This numeric result is described in [Attachment I](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part C measure calculations are shown in Table S-17 below.

Table S-17: Part C Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year
Low reliability and low enrollment	The low-enrollment contract measure score did not have sufficiently high reliability

17. Measure Detail – D Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part D measures. There is one column for each Part D measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part D measure columns which contains the final numeric Part D improvement score. This numeric result is described in [Attachment I](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part D measure calculations are shown in Table S-18 below.

Table S-18: Part D Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year

18. Measure Stars page

The Measure Stars page displays the Star Rating for each Part C and Part D measure. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measure stars which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains the data time frame. All subsequent rows contain the data for all individual contracts associated with the user’s login id. Table S-19 below shows a sample of the left hand most columns shown in HPMS.

Table S-19: Measure Stars page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines		
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
				01/01/2023 - 12/31/2023	01/01/2023 - 12/31/2023	03/2024 - 06/2024
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	4	5
HCCCC	Market C	Contract C	PO C	3	4	5

19. Domain Stars page

The Domain Stars page displays the Star Rating for each Part C and Part D domain. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the domain stars which will display in MPF. There is one column for each of the Part C and Part D domains. The domain columns are identified by the domain id and domain name. All subsequent rows contain the stars associated with an individual contract. Table S-20 below shows a sample of the left hand most columns shown in HPMS.

Table S-20: Domain Star page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines	HD2: Managing Chronic (Long Term) Conditions	HD3: Member Experience with Health Plan
HAAAA	Market A	Contract A	PO A	4	3	4
HBBBB	Market B	Contract B	PO B	3	3	3
HCCCC	Market C	Contract C	PO C	3	3	4

20. Part C Summary Rating page

The Part C Summary Rating page displays the Part C rating and data associated with calculating the final Part C summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-21 below explains each of the columns contained on this page.

Table S-21: Part C Summary Rating page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Major Disaster Percentage 2023	The percentage of members living in an Individual Assistance area in 2023 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type.
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part C Summary FAC	Part C summary final adjustment category for the contract
CAI Value	The Part C summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part C summary rating come from the calculation using the improvement measure? (Yes/No)
New Measure Usage	Did the final Part C summary rating come from the calculation using the new measures? (Yes/No)
2025 Part C Summary Rating	The final rounded 2025 Part C Summary Rating

The Part D Summary Rating page displays the Part D rating and data associated with calculating the final Part D summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-22 below explains each of the columns contained on this page.

Table S-22: Part D Summary Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Major Disaster Percentage 2023	The percentage of members living in an Individual Assistance area in 2023 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part D Summary FAC	Part D summary final adjustment category for the contract
CAI Value	The Part D summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part D summary rating come from the calculation using the improvement measure? (Yes/No)
2025 Part D Summary Rating	The final rounded 2025 Part D Summary Rating

22. Overall Rating page

The Overall Rating page displays the overall rating for MA-PD contracts and data associated with calculating the final overall rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-23 below explains each of the columns contained on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Major Disaster Percentage 2023	The percentage of members living in an Individual Assistance area in 2023 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
2025 Part C Summary Rating	The 2025 Part C Summary Rating
2025 Part D Summary Rating	The 2025 Part D Summary Rating
Calculated Summary Mean	Contains the weighted mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Overall FAC	Overall final adjustment category for the contract
CAI Value	The Overall CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final overall rating come from the calculation using the improvement measures? (Yes/No)
New Measure Usage	Did the final overall rating come from the calculation using the new measures? (Yes/No)
2025 Overall Rating	The final 2025 Overall Rating

23. Low Performing Contract List

The Low Performing Contract List page displays the contracts that received a Low Performing Icon and the data used to calculate the assignment. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a Low Performing Icon. Table S-24 below explains each of the columns contained on this page.

Table S-24: Low Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
2023 C Summary	The 2023 Part C Summary Rating earned by the contract
2023 D Summary	The 2023 Part D Summary Rating earned by the contract
2024 C Summary	The 2024 Part C Summary Rating earned by the contract
2024 D Summary	The 2024 Part D Summary Rating earned by the contract
2025 C Summary	The 2025 Part C Summary Rating earned by the contract
2025 D Summary	The 2025 Part D Summary Rating earned by the contract
Reason for LPI	The combination of ratings that met the Low Performing Icon rules. Valid values are "Part C," "Part D," "Part C and D," & "Part C or D." See the section titled "Methodology for Calculating the Low Performing Icon" for details.

24. High Performing Contract List

The High Performing Contract List page displays the contracts that received a High Performing Icon. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a High Performing Icon. Table S-25 below explains each of the columns contained on this page.

Table S-25: High Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
Highest Rating	The highest level of rating that can be achieved for this organization, valid values are "Part C Summary," "Part D Summary," "Overall Rating"
Rating	The star value attained in the highest rating for the organization type

25. Technical Notes link

The Technical Notes link provides the user with a copy of the 2025 Star Ratings Technical Notes. A draft version of these technical notes is available during the first plan preview. The draft is then updated for the second plan preview, and then finalized when the ratings data have been posted to MPF. Other updates may occur to the technical notes if errors are identified outside of the plan preview periods and after MPF data release.

Left clicking on the Technical Notes link will open a new browser window which will display a PDF (portable document format) copy of the 2025 Star Ratings Technical Notes. Right clicking on the Technical Notes link will pop up a context menu which contains Save Target As...; clicking on this will allow the user to download and save a copy of the PDF document.

26. Medication NDC List

The Medication NDC List link provides the user a means to download a copy of the medication lists used for the Medication Adherence measures (D08 – D10) & SUPD (D12). This downloadable file is in Zip format and contains two Excel files.

27. Part C and Part D Example Measure Data

The Part C and Part D Example Measure Data link provides the user with a means to download a copy of the data for the Breast Cancer Screening Part C measure, the Rating of Health Plan Part C measure, the Complaints about the Plan Part C measure and the MTM Program Completion Rate for CMR Part D measure for the full set of contracts used to calculate the cut points. The data are de-identified such that individual contract's data cannot be determined. The data include the measure value, a flag for contracts that had data issues where applicable, and two flags identifying contracts with ≥ 25 percent and ≥ 60 percent of enrollees living in an area affected by a disaster. There is also a flag in the Breast Cancer Screening Part C measure file to identify HEDIS low enrollment contracts. There is also a flag in the MTM Program Completion Rate for CMR Part D measure file identifying contracts as MAPD or PDP. This downloadable is in Zip format and contains four Excel files.



Medicare 2024 Part C & D Star Ratings Technical Notes

Updated – 03/13/2024

Document Change Log

Previous Version	Description of Change	Revision Date
09/29/2023	Corrected reopening decision deadline in the data source description for C29 in Measure Details section.	11/08/2023
09/29/2023	Updated 2024 measure IDs for display measures in Attachment J.	11/08/2023
12/13/2023	Corrected enrollment date under the Exclusions for measure C15	3/13/2024

OMB Approved Data Sources

The data collected for the Part C & D Star Ratings come from a variety of different data sources approved under the following Office of Management and Budget (OMB) Paperwork Reduction Act numbers:

Data Source	OMB Number
Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys	0938-0732
Health Outcomes Survey (HOS)	0938-0701
Healthcare Effectiveness Data and Information Set (HEDIS)	0938-1028
Part C Reporting Requirements	0938-1054
Part D Reporting Requirements	0938-0992
Data Validation of Part C/D Reporting Requirements data	0938-1115

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Introduction

CMS created the Part C & D Star Ratings to provide quality and performance information to Medicare beneficiaries to assist them in choosing their health and drug services during the annual fall open enrollment period. We refer to them as the ‘2024 Medicare Part C & D Star Ratings’ because they are posted prior to the 2024 open enrollment period.

This document describes the methodology for creating the Part C & D Star Ratings displayed on the Medicare Plan Finder (MPF) at <http://www.medicare.gov/> and posted on the CMS website at <http://go.cms.gov/partcanddstarratings>. A Glossary of Terms used in this document can be found in [Attachment R](#).

The Star Ratings data are also displayed in the Health Plan Management System (HPMS). In HPMS, the data can be found by selecting: “Quality and Performance,” then “Performance Metrics,” then “Reports,” then “Star Ratings and Display Measures,” then “Star Ratings” for the report type, and “2024” for the report period. See [Attachment S](#): Health Plan Management System Module Reference for descriptions of the HPMS pages.

The Star Ratings Program is consistent with the “Meaningful Measures” framework which focuses on measures related to person-centered care, equity, safety, affordability and efficiency, chronic conditions, wellness and prevention, seamless care coordination, and behavioral health. With Meaningful Measures 2.0, CMS plans to better address health care priorities and gaps, emphasize [digital quality measurement](#), and promote patient perspectives of care. The Star Ratings include measures applying to the following five broad categories:

- Outcomes: Outcome measures reflect improvements in a beneficiary’s health and are central to assessing quality of care.
- Intermediate outcomes: Intermediate outcome measures reflect actions taken which can assist in improving a beneficiary’s health status. Diabetes Care – Blood Sugar Controlled is an example of an intermediate outcome measure where the related outcome of interest would be better health status for beneficiaries with diabetes.
- Patient experience: Patient experience measures reflect beneficiaries’ perspectives of the care they received.
- Access: Access measures reflect processes and issues that could create barriers to receiving needed care. Plan Makes Timely Decisions about Appeals is an example of an access measure.
- Process: Process measures capture the health care services provided to beneficiaries which can assist in maintaining, monitoring, or improving their health status.

Differences between the 2023 Star Ratings and 2024 Star Ratings

There have been several changes between the 2023 Star Ratings and the 2024 Star Ratings. This section provides a synopsis of the notable differences; the reader should examine the entire document for full details about the 2024 Star Ratings. A table with the complete history of measures used in the Star Ratings can be found in [Attachment J](#).

- Changes
 - a. Tukey outer fence outlier deletion was added to the hierarchical clustering methodology that is used to set cut points for non-CAHPS measures.
 - b. The disaster policy was modified to include data integrity issues in the definition of missing data, such that disaster-affected contracts with a data integrity issue on a given measure received the final measure rating from the current year.

- c. The weight for the Part C Controlling Blood Pressure measure was increased to 3.
- d. Re-specified Part C Plan All-Cause Readmissions measure moved into the 2024 Star Ratings as a new measure with a weight of 1 for the first year.
- e. The Part C Transitions of Care measure was added to the 2024 Star Ratings with a weight of 1.
- f. The Part C Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions measure was added to the 2024 Star Ratings with a weight of 1.
- Transitioned measures (Moved to the display page on the CMS website:
<http://go.cms.gov/partcanddstarratings>)
 - a. None
- Retired measures
 - a. Part C measure – Diabetes Care – Kidney Disease Monitoring

Health/Drug Organization Types Included in the Star Ratings

All health and drug plan quality and performance measure data described in this document are reported at the contract/sponsor level. Table 1 lists the contract year 2024 organization types and whether they are included in the Part C and/or Part D Star Ratings.

Table 1: Contract Year 2024 Organization Types Reported in the 2024 Star Ratings

Organization Type	Technical Notes Abbreviation	Medicare Advantage (MA)	Can Offer SNPs	Part C Ratings	Part D Ratings
1876 Cost	1876 Cost	No	No	Yes	Yes (if drugs offered)
Demonstration (Medicare-Medicaid Plan) †	MMP	No	No	No	No
Employer/Union Only Direct Contract Local Coordinated Care Plan (CCP)	CCP	Yes	No	Yes	Yes
Employer/Union Only Direct Contract Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Employer/Union Only Direct Contract Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
HCPP 1833 Cost	HCPP	No	No	No	No
Local Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Medical Savings Account (MSA)	MSA	Yes	No	Yes	No
National PACE	PACE	No	No	No	No
Medicare Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
Regional Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Religious Fraternal Benefit Private Fee-for-Service (RFB PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)

† Note: The measure scores from these organizations are displayed in HPMS only during the first plan preview. Data from these organizations are not used in calculating the Part C & D Star Ratings.

The Star Ratings Framework

The Star Ratings are based on health and drug plan quality and performance measures. Each measure is reported in two ways:

Score: A score is either a numeric value or an assigned ‘missing data’ message.

Star: The measure numeric value is converted to a Star Rating.

The measure Star Ratings are combined into three groups and each group is assigned 1 to 5 stars. The three groups are:

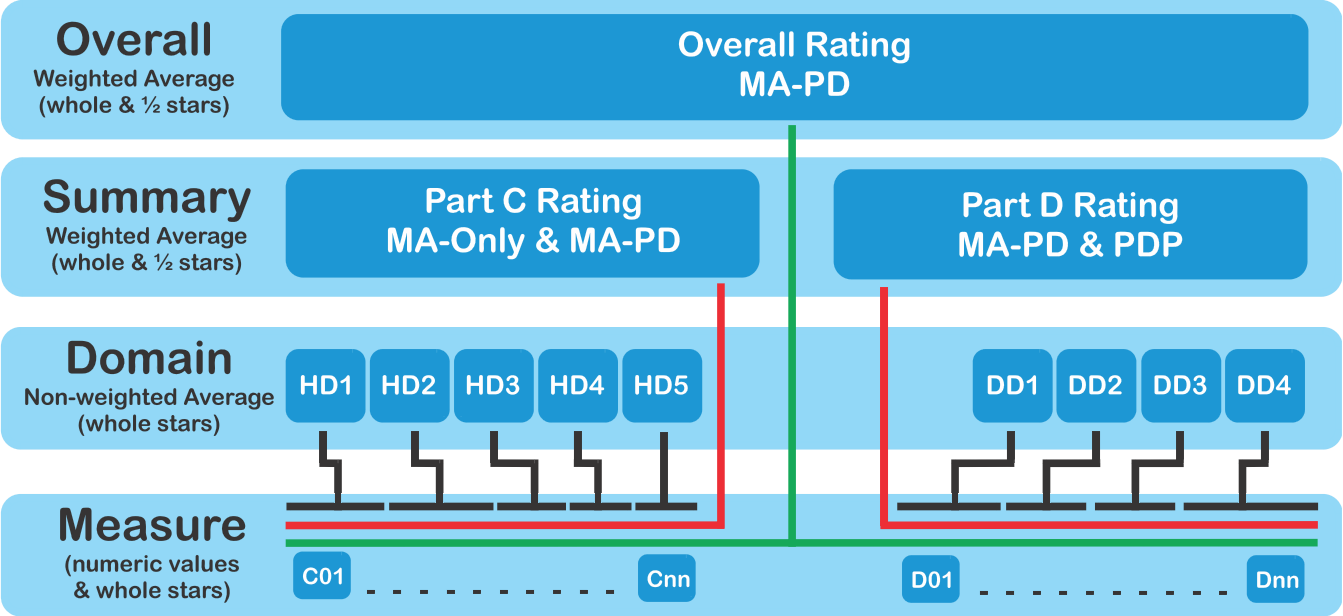
Domain: Domains group together measures of similar services. Star Ratings for domains are calculated using the non-weighted average Star Ratings of the included measures.

Summary: Part C measures are grouped to calculate a Part C Rating; Part D measures are grouped to calculate a Part D Rating. Summary ratings are calculated from the weighted average Star Ratings of the included measures.

Overall: For MA-PDs, all unique Part C and Part D measures are grouped to create an overall rating. The overall rating is calculated from the weighted average Star Ratings of the included measures.

Figure 1 shows the four levels of Star Ratings that are calculated and reported publicly.

Figure 1: The Four Levels of Star Ratings



The whole star scale used at the measure and domain levels is shown in Table 2.

Table 2: 5-Star Scale

Numeric	Graphic	Description
5	★★★★★	Excellent
4	★★★★☆	Above Average
3	★★★☆☆	Average
2	★★★☆☆	Below Average
1	★☆☆☆☆	Poor

To allow for more variation across contracts, CMS assigns half stars to the summary and overall ratings. As different organization types offer different benefits, CMS classifies contracts into three contract types. The highest level Star Rating differs among the contract types because the set of required measures differs by contract type. Table 3 clarifies how CMS classifies contracts for purposes of the Star Ratings and indicates the highest rating available for each organization type.

Table 3: Relation of 2024 Organization Types to Contract Types and Highest Rating in the 2024 Star Ratings

Organization Type	1876 Cost (no drugs) †	1876 Cost (offers drugs) †	CCP	MSA	PDP	PFFS (no drugs)	PFFS (offers drugs)
Rated As	MA-Only	MA-PD	MA-PD	MA-Only	PDP	MA-Only	MA-PD
Highest Rating	Part C rating	Overall Rating	Overall Rating	Part C Rating	Part D Rating	Part C Rating	Overall Rating

† Note: While 1876 contracts are not MA contracts, for the purposes of determining the highest rating they are considered to be rated as either “MA-only” or “MA-PD” depending on whether they offer drugs.

The 2024 Star Ratings include a maximum of 9 domains comprised of a maximum of 42 measures.

- MA-Only contracts are measured on 5 domains with a maximum of 30 measures.
- PDPs are measured on 4 domains with a maximum of 12 measures.
- MA-PD contracts are measured on all 9 domains with a maximum of 42 measures, 40 of which are unique measures. Two of the measures are shown in both Part C and Part D so that the results for a MA-PD contract can be compared to an MA-Only contract or a PDP contract. Only one instance of those two measures is used in calculating the overall rating. The two duplicated measures are Complaints about the Health/Drug Plan (CTM) and Members Choosing to Leave the Plan (MCLP).

For a health and/or drug plan to be included in the Part C & D Star Ratings, they must have an active contract with CMS to provide health and/or drug services to Medicare beneficiaries. All of the data used to rate the plans are collected through normal contractual requirements or directly from CMS systems. Information about Medicare Advantage contracting can be found at: <https://www.cms.gov/Medicare/Medicare-Advantage/MedicareAdvantageApps/index.html> and Prescription Drug Coverage contracting at: <https://www.cms.gov/Medicare/Prescription-Drug-coverage/PrescriptionDrugCovContra/index.html>. The data used in the Star Ratings come from four categories of data sources which are shown in Figure 2.

Figure 2: The Four Categories of Data Sources



Improvement Measures

Unlike the other Star Rating measures which are derived from data sources external to the Star Ratings, the Part C and Part D improvement measures are derived through comparisons of a contract's current and prior year measure scores. For a measure to be included in the improvement calculation the measure must not have had a significant specification change during those years. The Part C improvement measure includes only Part C measure scores and the Part D improvement measure includes only Part D measure scores. The measures and formulas for the improvement measure calculations are found in [Attachment I](#). If a scaled reduction is applied to the Part C appeals measure in the previous year, the associated appeals measures will not be included in the Health Plan Quality Improvement measure.

The numeric results of these calculations are not publicly posted; only the measure ratings are reported publicly. Further, to receive a Star Rating in the improvement measures, a contract must have measure scores for both years in at least half of the required measures used to calculate the Part C improvement or Part D improvement measures. Improvement scores are not calculated for reconfigured regional contracts until data is available for the reconfigured structure from both years. Improvement scores are not calculated for consolidated contracts in their first year. Table 4 presents the minimum number of measure scores required to receive a rating for the improvement measures.

Table 4: Minimum Number of Measure Scores Required for an Improvement Measure Rating by Contract Type

Part	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	11 of 21	12 of 23	13 of 26	7 of 14	11 of 22	N/A	12 of 23
D	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

For a detailed description of all Part C and Part D measures, see the section entitled “Framework and Definitions for the Domain and Measure Details.”

Contract Enrollment Data

The enrollment data used in the Part C and Part D "Complaints about the Health/Drug Plan" measures are pulled from HPMS. These enrollment files represent the number of enrolled beneficiaries the contract was paid for in a specific month. For these measures, twelve months of enrollment files are pulled (January 2022 through December 2022) and the average enrollment across those months is used in the calculations.

Enrollment data are also used when combining the plan-level data into contract-level data in the two Part C “Care for Older Adults” Healthcare Effectiveness Data and Information Set (HEDIS) measures. (“The Care for Older Adults – Functional Status Assessment” measure is currently on the display page). When there is a reported rate, the eligible population in the plan benefit package (PBP) submitted with the HEDIS data is used. If the audit designation for the PBP level HEDIS data is set to “Not Reported” (NR) or “Biased Rate” (BR) by the auditor (see following section), there is no value in the eligible population field. In these instances, twelve months of PBP-level enrollment files are pulled (January 2022 through December 2022), and the average enrollment in the plan across those months is used in calculating the combined rate.

Handling of Biased, Erroneous, and/or Not Reportable (NR) Data

The data used for CMS’s Star Ratings must be accurate and reliable. CMS has identified issues with some contracts’ data and has taken steps to protect the integrity of the data. For any measure scores CMS identifies to be based on inaccurate or biased data, CMS’s policy is to reduce a contract’s measure rating to 1 star and set the measure score to “CMS identified issues with this plan’s data.”

Inaccurate or biased data result from the mishandling of data, inappropriate processing, or implementation of incorrect practices. Examples include, but are not limited to: a contract’s failure to adhere to HEDIS, Health Outcomes Survey (HOS), or CAHPS reporting requirements; a contract’s failure to adhere to Medicare Plan Finder data requirements; a contract’s errors in processing organization determinations and appeals; compliance actions taken against the contract due to errors in operational areas that impact the data reported or processed for specific measures; or a contract’s failure to pass validation of the data reported for specific measures. For HEDIS data, CMS uses the audit designation information assigned by the HEDIS auditor. An audit designation of ‘NR’ (Not reported) is assigned when the contract chooses not to report the measure. An audit designation of ‘BR’ (Biased rate) is assigned when the individual measure score is materially biased (e.g., the auditor informs the contract the data cannot be reported to the National Committee for Quality Assurance (NCQA) or to CMS). When either a ‘BR’ or ‘NR’ designation is assigned to a HEDIS measure audit designation, the contract receives 1 star for the measure and the measure score is set to “CMS identified issues with this plan’s data.” In addition, CMS reduces contracts’ HEDIS measure ratings to 1 star if the patient-level data files are not successfully submitted and validated by the submission deadline. Also, if the HEDIS summary-level data value varies substantially from the value in the patient-level data, the measure is reduced to a rating of 1 star. If an approved CAHPS or HOS vendor does not submit a contract’s CAHPS or HOS data by

the data submission deadline, the contract automatically receives a rating of 1 star for the CAHPS or HOS measures and the measure scores are set to “CMS identified issues with this plan’s data.”

Data Handling of Measures for Contracts Affected by a Major Disaster

CMS has a policy for making adjustments in the Star Ratings to take into account major disasters. That policy was described in the 2024 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>.) This is also codified in regulation at §422.166(i) and §423.186(i).

This section describes how the policy is implemented for measures from each of the different data sources in the 2024 Star Ratings. The methodology used by CMS to identify the major disaster geographic areas, determine which contracts were affected, and how much of their geographic service area and percent of enrollment resided in an affected area can be found in [Attachment P](#).

The disaster policy specified two distinct thresholds of “25% or more” and “60% or more” of the contract’s membership at the time of the disaster resided in a FEMA-designated Individual Assistance area. CMS calculated the percentage of enrollment affected for every contract being rated and applied the following rules to the data from those contracts that meet or exceed either of the two thresholds.

- CAHPS adjustments:
 - All contracts were required to administer the 2023 CAHPS survey unless the contract requested and CMS approved an exemption.
 - All affected contracts with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster receive the higher of the 2023 or the 2024 Star Rating (and corresponding measure score) for each CAHPS measure (including the annual flu vaccine measure).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated individual Assistance areas that were affected by disasters than began in 2022 were also affected by disasters in 2021. These doubly-affected contracts receive the higher of the 2024 Star Rating or what the 2023 Star Ratings would have been in the absence of any adjustments that took into account the effects of the 2021 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected). For example, if doubly-affected contract reverted back to the 2022 Star Rating on a given measure in the 2023 Star Ratings, the 2022 Star Rating is *not* used in determining the 2024 Star Rating. Rather the 2024 Star Rating is compared to what the 2023 Star Rating would have been absent any disaster adjustments.
- HEDIS-HOS adjustments:
 - The HEDIS-HOS data used in the 2024 Star Ratings are adjusted for 2021 disasters (see [Attachment P](#) of the 2023 Star Ratings Technical Notes for the identification of contracts affected by 2021 disasters).
 - All affected contracts (i.e., contracts affected by 2021 disasters) with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster received the higher of the 2023 or the 2024 Star Rating (and corresponding measure score) for each HEDIS-HOS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2021 were also affected by disasters in 2020. These doubly-affected contracts receive the higher of the 2024 Star Rating or what the 2023 Star Rating would have been in the absence of any adjustments that took into account the effects of the

2020 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).

- HEDIS adjustments:
 - All contracts were required to report HEDIS 2023 unless the contract requested and CMS approved an exemption. Contracts were able to work with NCQA to adjust samples if necessary.
 - Contracts with 25% or more affected members received the higher of the 2023 or 2024 Star Rating (and corresponding measure scores) for each HEDIS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2022 were also affected by disasters in 2021. These doubly-affected contracts receive the higher of the 2024 Star Rating or what the 2023 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2021 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- Part C and D Call Center:
 - For all contracts, no adjustments were made.
- New measures:
 - Contracts with 25% or more affected members have a hold harmless provision applied which compares the result of a contract's overall rating "with" and "without" including the new Transitions of Care and Follow-up After Emergency Department Visit for People with Multiple High-Risk Chronic Conditions measures and respecified Plan All-Cause Readmissions measure. If the "with" result is lower than the "without" result, then we use the "without" result as the final highest level rating.
 - A similar hold harmless provision is applied for the Part C summary ratings. If a contract has 25% or more affected members, the Part C summary rating is calculated "with" and "without" the new Transitions of Care and Follow-up After Emergency Department Visit for People with Multiple High-Risk Chronic Conditions measures and respecified Plan All-Cause Readmissions measure, and if the "with" result is lower than the "without" result, then we use the "without" result for the final summary rating.
- All other measures:
 - Contracts with 25% or more affected members receive the higher of the 2023 or 2024 measure stars (and corresponding measure scores).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2022 were also affected by disasters in 2021. These doubly-affected contracts receive the higher of the 2024 Star Rating or what the 2023 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2021 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- All adjustments:
 - For all adjustments, if the Star Rating is the same in both years, the Star Rating and the measure score from the most recent year are used.
- Improvement measures:
 - For affected contracts that reverted back to the data underlying the previous year's Star Rating for a particular measure for either 2023 or 2024 Star Ratings, that measure is excluded from both the

count of measures (used to determine whether the contract has at least half of the measures needed to calculate the relevant improvement measure) and the improvement measures calculation. Affected contracts do not have the option of reverting to the prior year's improvement rating.

- Affected contracts with missing data:
 - If an affected contract has missing data in either the current or previous year (e.g., because of a data integrity issue, it is too new, or it is too small), the final measure rating comes from the current year. Missing data includes data where there is a data integrity issue.
- Reward factor:
 - Affected contracts with 60% or more of their enrollees impacted by a 2022 disaster are excluded from the determination of the performance summary and variance thresholds for the Reward Factor.
- Cut points:
 - Clustering Methodology: For all measures that use the clustering methodology for cut point generation, the measure scores for contracts with 60% or more of their enrollment affected by a disaster are excluded from creating those cut points.

Methodology for Assigning Stars to the Part C and Part D Measures

CMS assigns stars for each numeric measure score by applying one of two methods: clustering, or relative distribution and significance testing. Each method is described below. [Attachment K](#) explains the clustering and relative distribution and significance testing (used for CAHPS measures) methods in greater detail.

The *Cut Point Trend* document is posted at <http://go.cms.gov/partcanddstarratings> and is updated after each rating cycle is released.

A. Clustering

This method is applied to the majority of the Star Ratings measures, ranging from operational and process-based measures, to HEDIS and other clinical care measures. Using this method, the Star Rating for each measure is determined by applying a clustering algorithm to the measure's numeric value scores from all contracts. Conceptually, the clustering algorithm identifies the "gaps" among the scores and creates four cut points resulting in the creation of five levels (one for each Star Rating). The scores in the same Star Rating level are as similar as possible; the scores in different Star Rating levels are as different as possible. Star Rating levels 1 through 5 are assigned with 1 being the worst and 5 being the best.

Technically, the variance in measure scores is separated into within-cluster and between-cluster sum of squares components. The clusters reflect the groupings of numeric value scores that minimize the variance of scores within the clusters. The Star Ratings levels are assigned to the clusters that minimize the within-cluster sum of squares. The cut points for star assignments are derived from the range of measure scores per cluster, and the star levels associated with each cluster are determined by ordering the means of the clusters.

Tukey outlier deletion is used to determine the cut points for all non-CAHPS measures. Tukey outlier deletion involves removing Tukey outer fence outlier contract scores, those defined as measure-specific scores outside the bounds of 3.0 times the measure-specific interquartile range subtracted from the 1st quartile or added to the 3rd quartile. Outliers are removed prior to applying mean resampling within the hierarchical clustering algorithm.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are randomly separated into 10 equal-sized groups.

The hierarchical clustering algorithm is then applied 10 times, each time leaving one of the 10 groups out of the clustered data. The method results in 10 sets of measure-specific cut points. The mean for each 1 through 5 star level cut point is taken across the 10 sets for each measure to produce the final cut points.

Guardrails are used to cap the amount of increase or decrease in measure cut point values from one year to the next. Specifically, each 1 to 5 star level cut point is compared to the prior year's value and capped at an increase or decrease of at most 5 percentage points for measures having a 0 to 100 scale (absolute percentage cap) or at most 5 percent of the prior year's restricted score range for measures not having a 0 to 100 scale (restricted range cap). The final capped cut points after comparing each 1 through 5 star level cut point to the prior year's values are used for assigning measure stars.

B. Relative Distribution and Significance Testing (CAHPS)

This method is applied to determine valid star cut points for CAHPS measures. In order to account for the reliability of scores produced from the CAHPS survey, the method combines evaluating the relative percentile distribution with significance testing. For example, to obtain 5 stars, a contract's CAHPS measure score needs to be ranked at least at the 80th percentile and be statistically significantly higher than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error above the 80th percentile. To obtain 1 star, a contract's CAHPS measure score needs to be ranked below the 15th percentile and be statistically significantly lower than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error below the 15th percentile.

Methodology for Calculating Stars at the Domain Level

A domain rating is the average, unweighted mean, of the domain's measure stars. To receive a domain rating, a contract must meet or exceed the minimum number of rated measures required for the domain. The minimum number of rated measures required for a domain is determined based on whether the total number of measures in the domain for a contract type is odd or even:

- If the total number of measures that comprise the domain for a contract type is odd, divide the number of measures in the domain by two and round the quotient to the next whole number.
 - Example: If the total number of measures required in a domain for a contract type is 3, the value 3 is divided by 2. The quotient, in this case 1.5, is then rounded to the next whole number. To receive a domain rating, the contract must have a Star Rating for at least 2 of the 3 required measures.
- If the total number of measures that comprise the domain for a contract type is even, divide the number of measures in the domain by two and add one to the quotient.
 - Example: If the total number of measures required in a domain for a contract type is 6, the value 6 is divided by 2. In this example, 1 is then added to the quotient of 3. To receive a domain rating, the contract must have a Star Rating for at least 4 of the 6 required measures.

Table 5 details the minimum number of rated measures required for a domain rating by contract type.

Table 5: Minimum Number of Rated Measures Required for a Domain Rating by Contract Type

Part	Domain Name (Identifier)	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	Staying Healthy: Screenings, Tests and Vaccines (HD1)	3 of 4	3 of 4	3 of 4	2 of 2	3 of 4	N/A	3 of 4
C	Managing Chronic (Long Term) Conditions (HD2)	5 of 8	6 of 11	8 of 14	6 of 10	6 of 11	N/A	6 of 11
C	Member Experience with Health Plan (HD3)	4 of 6	4 of 6	4 of 6	N/A	4 of 6	N/A	4 of 6
C	Member Complaints and Changes in the Health Plan's Performance (HD4)	2 of 3	2 of 3	2 of 3	2 of 3	2 of 3	N/A	2 of 3
C	Health Plan Customer Service (HD5)	2 of 2	2 of 3	2 of 3	2 of 3	2 of 2	N/A	2 of 3
D	Drug Plan Customer Service (DD1)	N/A*	1 of 1	1 of 1	1 of 1	N/A	1 of 1	1 of 1*
D	Member Complaints and Changes in the Drug Plan's Performance (DD2)	2 of 3*	2 of 3	2 of 3	2 of 3	N/A	2 of 3	2 of 3*
D	Member Experience with the Drug Plan (DD3)	2 of 2*	2 of 2	2 of 2	N/A	N/A	2 of 2	2 of 2*
D	Drug Safety and Accuracy of Drug Pricing (DD4)	4 of 6*	4 of 6	4 of 6	4 of 6	N/A	4 of 6	4 of 6*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts that offer drug benefits and which do not submit data for the MPF measure must have a rating in 3 out of 5 Drug Safety and Accuracy of Drug Pricing (DD4) measures to receive a rating in that domain.

Summary and Overall Ratings: Weighting of Measures

The summary and overall ratings are calculated as weighted averages of the measure stars. For the 2024 Star Ratings, CMS assigns the highest weight to the improvement measures, followed by patient experience/complaints and access measures, then by outcome and intermediate outcome measures, and finally process measures. New measures included in the Star Ratings are given a weight of 1 for their first year of inclusion in the ratings; in subsequent years the weight associated with the measure weighting category is used. The weights assigned to each measure and their weighting category are shown in [Attachment G](#).

In calculating the summary and overall ratings, a measure given a weight of 3 counts three times as much as a measure given a weight of 1. For any given contract, any measure without a rating is not included in the calculation. The first step in the calculation is to multiply each measure's weight by the measure's rating and sum these results. The second step is to divide this sum by the sum of the weights of the contract's rated measures. For the summary and overall ratings, half stars are assigned to allow for more variation across contracts.

Methodology for Calculating Part C and Part D Summary Ratings

The Part C and Part D summary ratings are calculated by taking a weighted average of the measure stars for Parts C and D, respectively. To receive a Part C and/or Part D summary rating, a contract must meet the minimum number of rated measures. The Parts C and D improvement measures are not included in the count of the minimum number of rated measures. The minimum number of rated measures required is determined as follows:

- If the total number of measures required for the organization type is odd, divide the number by two and round it to a whole number.
 - Example: if there are 13 required Part D measures for the organization, $13 / 2 = 6.5$, when rounded the result is 7. The contract needs at least 7 measures with ratings out of the 13 total measures to receive a Part D summary rating.
- If the total number of measures required for the organization type is even, divide the number of measures by two.
 - Example: if there are 30 required Part C measures for the organization, $30 / 2 = 15$. The contract needs at least 15 measures with ratings out of the 30 total measures to receive a Part C summary rating.

Table 6 shows the minimum number of rated measures required by each contract type to receive a summary rating.

Table 6: Minimum Number of Rated Measures Required for Part C and Part D Ratings by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Part C summary	11 of 22	13 of 26	15 of 29	9 of 17	13 of 25	N/A	13 of 26
Part D summary	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 5 out of 9 measures to receive a Part D rating.

Methodology for Calculating the Overall MA-PD Rating

For MA-PDs to receive an overall rating, the contract must have stars assigned to both the Part C and Part D summary ratings. If an MA-PD contract has only one of the two required summary ratings, the overall rating will show as “Not enough data available.”

The overall rating for a MA-PD contract is calculated using a weighted average of the Part C and Part D measure stars. The weights assigned to each measure are shown in [Attachment G](#).

There are a total of 42 measures (30 in Part C, 12 in Part D) in the 2024 Star Ratings. The following two measures are contained in both the Part C and D measure lists:

- Complaints about the Health/Drug Plan (CTM)
- Members Choosing to Leave the Plan (MCLP)

These measures share the same data source, so CMS includes only one instance of each of these two measures in the calculation of the overall rating. In addition, the Part C and D improvement measures are not included in the count for the minimum number of measures. Therefore, a total of 38 distinct measures are used in the calculation of the overall rating.

The minimum number of rated measures required for an overall MA-PD rating is determined using the same methodology as for the Part C and D summary ratings. Table 7 provides the minimum number of rated measures required for an overall Star Rating by contract type.

Table 7: Minimum Number of Rated Measures Required for an Overall Rating by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Overall Rating	15 of 30*	18 of 35	19 of 38	12 of 24	N/A	N/A	18 of 35*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 15 out of 29 measures to receive an overall rating.

Completing the Summary and Overall Rating Calculations

There are two adjustments made to the results of the summary and overall calculations described above. First, to reward consistently high performance, CMS utilizes both the mean and the variance of the measure stars to differentiate contracts for the summary and overall ratings. If a contract has both high and stable relative performance, a reward factor is added to the contract's ratings. Details about the reward factor can be found in the section entitled "Applying the Reward Factor." Second, the summary and overall ratings include a Categorical Adjustment Index (CAI) factor, which is added to or subtracted from a contract's summary and overall ratings. Details about the CAI can be found in the section entitled "Categorical Adjustment Index (CAI)."

The summary and overall rating calculations are run twice, once including the improvement measures and once without including the improvement measures. Based on a comparison of the results of these two calculations a decision is made as to whether the improvement measures are to be included in calculating a contract's final summary and overall ratings. Details about the application of the improvement measures can be found in the section entitled "Applying the Improvement Measure(s)."

Lastly, standard rounding rules are applied to convert the results of the final summary and overall ratings calculations into the publicly reported Star Ratings. Details about the rounding rules are presented in the section "Rounding Rules for Summary and Overall Ratings."

Applying the Improvement Measure(s)

The Part C Improvement Measure - Health Plan Quality Improvement (C27) and the Part D Improvement Measure - Drug Plan Quality Improvement (D04) were introduced earlier in this document in the section entitled "Improvement Measures." The measures and formulas for the improvement measures can be found in [Attachment I](#). This section discusses whether and how to apply the improvement measures in calculating a contract's final summary and overall ratings.

Since high performing contracts have less room for improvement and consequently may have lower ratings on these measure(s), CMS has developed the following rules to not penalize contracts receiving 4 or more stars for their highest rating.

MA-PD Contracts

1. There are separate Part C and Part D improvement measures (C27 & D04) for MA-PD contracts.
 - a. C27 is used in calculating the Part C summary rating of an MA-PD contract.
 - b. D04 is used in calculating the Part D summary rating for an MA-PD contract.
 - c. Both improvement measures will be used when calculating the overall rating in step 3.
2. Calculate the overall rating for MA-PD contracts without including either improvement measure.
3. Calculate the overall rating for MA-PD contracts with both improvement measures included.

4. If an MA-PD contract in step 2 has 4 or more stars, compare the two overall ratings. If the rating in step 3 is less than the value in step 2, use the overall rating from step 2; otherwise use the result from step 3.
5. For all other MA-PD contracts, use the overall rating from step 3.

MA-Only Contracts

1. Only the Part C improvement measure (C27) is used for MA-Only contracts.
2. Calculate the Part C summary rating for MA-Only contracts without including the improvement measure.
3. Calculate the Part C summary rating for MA-Only contracts with the Part C improvement measure.
4. If an MA-Only contract in step 2 has 4 or more stars, compare the two Part C summary ratings. If the rating in step 3 is less than the value in step 2, use the Part C summary rating from step 2; otherwise use the result from step 3.
5. For all other MA-Only contracts, use the Part C summary rating from step 3.

PDP Contracts

1. Only the Part D improvement measure (D04) is used for PDP contracts.
2. Calculate the Part D summary rating for PDP contracts without including the improvement measure.
3. Calculate the Part D summary rating for PDP contracts with the Part D improvement measure.
4. If a PDP contract in step 2 has 4 or more stars, compare the two Part D summary ratings. If the rating in step 3 is less than the value in step 2, use the Part D summary rating from step 2; otherwise use the result from step 3.
5. For all other PDP contracts, use the Part D summary rating from step 3.

Applying the Reward Factor

The following represents the steps taken to calculate and include the reward factor (r-Factor) in the Star Ratings summary and overall ratings. These calculations are performed both with and without the improvement measures included.

- Calculate the mean and the variance of all of the individual quality and performance measure stars at the contract level.
 - The mean is equal to the summary or overall rating before the reward factor is applied, which is calculated as described in the section entitled “Weighting of Measures.”
 - Using weights in the variance calculation accounts for the relative importance of measures in the reward factor calculation. To incorporate the weights shown in Attachment G into the variance calculation of the available individual performance measures for a given contract, the steps are as follows:
 - Subtract the summary or overall star from each performance measure’s star; square the results; and multiply each squared result by the corresponding individual performance measure weight.
 - Sum these results; call this ‘SUMWX.’
 - Set n equal to the number of individual performance measures available for the given contract.
 - Set W equal to the sum of the weights assigned to the n individual performance measures available for the given contract.
 - The weighted variance for the given contract is calculated as: $n * \text{SUMWX} / (W * (n-1))$. For the complete formula, please see Attachment H: Calculation of Weighted Star Rating and Variance Estimates.

- Categorize the variance into three categories:
 - low (0 to less than 30th percentile),
 - medium (greater than or equal to 30th to less than 70th percentile) and
 - high (greater than or equal to 70th percentile)
- Develop the reward factor as follows:
 - r-Factor = 0.4 (for contract w/ low variance & high mean (mean greater than or equal to 85th percentile))
 - r-Factor = 0.3 (for contract w/ medium variance & high mean (mean greater than or equal to 85th percentile))
 - r-Factor = 0.2 (for contract w/ low variance & relatively high mean (mean greater than or equal to 65th & less than 85th percentile))
 - r-Factor = 0.1 (for contract w/ medium variance & relatively high mean (mean greater than or equal to 65th & less than 85th percentile))
 - r-Factor = 0.0 (for all other contracts)

Tables 8 and 9 show the final threshold values used in reward factor calculations for the 2024 Star Ratings.

Table 8: Performance Summary Thresholds

Improvement	New Measures	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
With	With	65 th	3.783333	3.702703	3.500000	3.700515
With	With	85 th	4.121212	4.000000	3.857143	3.989691
With	Without	65 th	3.810345	3.702703	3.500000	3.724138
With	Without	85 th	4.169231	4.000000	3.857143	4.030928
Without	With	65 th	3.848485	3.71875	3.631579	3.741573
Without	With	85 th	4.169231	4.09375	3.937500	4.061111
Without	Without	65 th	3.873016	3.71875	3.631579	3.759036
Without	Without	85 th	4.225806	4.09375	3.937500	4.102564

Table 9: Variance Thresholds

Improvement	New Measures	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
With	With	30 th	0.924375	0.860382	0.965801	0.972245
With	With	70 th	1.482292	1.536357	1.548310	1.460744
With	Without	30 th	0.894302	0.860382	0.965801	0.952953
With	Without	70 th	1.486442	1.536357	1.548310	1.454437
Without	With	30 th	0.876231	0.806738	0.751953	0.917753
Without	With	70 th	1.485714	1.557540	1.419580	1.489974
Without	Without	30 th	0.845782	0.806738	0.751953	0.893483
Without	Without	70 th	1.496943	1.557540	1.419580	1.479720

Categorical Adjustment Index (CAI)

CMS has implemented an analytical adjustment called the Categorical Adjustment Index (CAI). The CAI is a factor that is added to or subtracted from a contract's Overall and/or Summary Star Ratings to adjust for the

average within-contract disparity in performance for Low Income Subsidy/Dual Eligible (LIS/DE) beneficiaries and disabled beneficiaries. The CAI value (factor) depends on the contract's percentage of beneficiaries with LIS/DE and the contract's percentage of beneficiaries with disabled status. These adjustments are performed both with and without the improvement measures included. The value of the CAI varies by the contract's percentage of beneficiaries with LIS/DE and disability status.

The CAI values use data collected for the 2023 Star Ratings. To calculate the CAI, case-mix adjustment is applied to all clinical Star Rating measure scores that are not adjusted for SES using a beneficiary-level logistic regression model with contract fixed effects and beneficiary-level indicators of LIS/DE and disability status, similar to the approach currently used to adjust CAHPS patient experience measures. However, unlike CAHPS case-mix adjustment, the only adjusters are LIS/DE and disability status. Adjusted measure scores are then converted to measure stars using the 2023 rating year measure cutoffs and used to calculate Adjusted Overall and Summary Star Ratings. Unadjusted Overall and Summary Star Ratings are also determined for each contract.

The 2023 measures used in the 2024 CAI adjustment calculations are:

- Breast Cancer Screening (Part C)
- Colorectal Cancer Screening (Part C)
- Annual Flu Vaccine (Part C)
- Monitoring Physical Activity (Part C)
- Osteoporosis Management in Women who had a Fracture (Part C)
- Diabetes Care – Eye Exam (Part C)
- Diabetes Care – Blood Sugar Controlled (Part C)
- Controlling Blood Pressure (Part C)
- Reducing the Risk of Falling (Part C)
- Improving Bladder Control (Part C)
- Medication Reconciliation Post-Discharge (Part C)
- Statin Therapy for Patients with Cardiovascular Disease (Part C)
- Medication Adherence for Diabetes Medication (Part D)
- Medication Adherence for Hypertension (RAS antagonists) (Part D)
- Medication Adherence for Cholesterol (Statins) (Part D)
- MTM Program Completion Rate for CMR (Part D)
- Statin Use in Patients with Diabetes (SUPD) (Part D)

To determine the value of the CAI, contracts are first divided into an initial set of categories based on the combination of a contract's LIS/DE and disability percentages. For the adjustment for the overall and summary ratings for MA-Only and MA-PD contracts, the initial groups are formed by the ten groups of LIS/DE and quintiles of disability, thus resulting in 50 initial categories. For PDPs, the initial groups are formed using quintiles for both LIS/DE and disability. The mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts in each initial category are determined and examined. The initial categories are collapsed to form final adjustment groups. The CAI values are the mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts within each final adjustment group. Separate CAI values are computed for the overall and summary

ratings, and the rating-specific CAI value is the same for all contracts that fall within the same final adjustment category.

The categorization of contracts into final adjustment categories for the CAI relies on both the use of a contract's percentages of LIS/DE and disabled beneficiaries. Categories were chosen to enforce monotonicity and to yield a minimum number of 30 contracts per each final MA adjustment category and 5 contracts per each final PDP adjustment category. Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI. Details regarding the methodology for the Puerto Rico model are provided in [Attachment O](#).

Tables 10 and 11 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the determination of the CAI values for the Overall Rating. For example, if a contract's percentage of LIS/DE beneficiaries is 13.60%, the contract's LIS/DE initial group would be L4. The upper limit for each initial category is only included for the highest categories (L10 and D5), and the upper limit is equal to 100% for both of these categories.

Table 10: Categorization of Contract's Members into LIS/DE Initial Groups for the Overall Rating

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 6.301653
2	6.301653 to less than 8.983864
3	8.983864 to less than 12.272291
4	12.272291 to less than 17.623062
5	17.623062 to less than 23.811644
6	23.811644 to less than 32.478787
7	32.478787 to less than 48.171334
8	48.171334 to less than 76.744186
9	76.744186 to less than 100.000000
10	100.000000

Table 11: Categorization of Contract's Members into Disability Quintiles for the Overall Rating

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 15.246926
2	15.246926 to less than 22.226124
3	22.226124 to less than 29.541446
4	29.541446 to less than 43.095797
5	43.095797 to 100.000000

Table 12 provides the description of each of the final adjustment categories and the associated value of the CAI per category for the overall rating.

Table 12: Final Adjustment Categories and CAI Values for the Overall Rating

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1 - L3	D1	-0.024917
2	L4-L10 L1-L10 L1-L4	D1 D2 D3	-0.001531
3	L5-L6 L1-L6	D3 D4-D5	0.016703
4	L7-L9 L7-L8 L7	D3 D4 D5	0.036199
5	L8	D5	0.067616
6	L10 L9-L10 L9	D3 D4 D5	0.087672
7	L10	D5	0.133273

Tables 13 and 14 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the initial categories for the determination of the CAI values for the Part C summary.

Table 13: Categorization of Contract's Members into LIS/DE Initial Groups for the Part C Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 5.758017
2	5.758017 to less than 8.524590
3	8.524590 to less than 11.765670
4	11.765670 to less than 17.215998
5	17.215998 to less than 23.365002
6	23.365002 to less than 31.600120
7	31.600120 to less than 46.717818
8	46.717818 to less than 74.752781
9	74.752781 to less than 100.000000
10	100.000000

Table 14: Categorization of Contract's Members into Disability Quintiles for the Part C Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 14.974530
2	14.974530 to less than 21.948529
3	21.948529 to less than 29.414572
4	29.414572 to less than 42.395693
5	42.395693 to 100.000000

Table 15 provides the description of each of the final adjustment categories for the Part C summary and the associated value of the CAI for each final adjustment category.

Table 15: Final Adjustment Categories and CAI Values for the Part C Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L7 L1-L6 L1-L5 L1-L4	D1 D2 D3 D4	-0.003487
2	L8-L10 L7-L10 L6-L7 L5-L6 L1-L5	D1 D2 D3 D4 D5	0.006987
3	L8-L10 L7-L8 L6-L7	D3 D4 D5	0.022797
4	L8	D5	0.044588
5	L9-L10	D4-D5	0.066880

Tables 16 and 17 provide the range of the percentages that correspond to the LIS/DE initial groups and the disability quintiles for the initial categories for the determination of the CAI values for the Part D summary rating for MA-PDs.

Table 16: Categorization of Contract's Members into LIS/DE Initial Groups for the MA-PD Part D Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 6.507512
2	6.507512 to less than 9.702347
3	9.702347 to less than 13.812027
4	13.812027 to less than 19.485294
5	19.485294 to less than 26.769231
6	26.769231 to less than 38.003026
7	38.003026 to less than 58.059701
8	58.059701 to less than 93.000000
9	93.000000 to less than 100.000000
10	100.000000

Table 17: Categorization of Contract's Members into Disability Quintiles for the MA-PD Part D Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 15.588308
2	15.588308 to less than 23.253251
3	23.253251 to less than 32.385819
4	32.385819 to less than 46.047270
5	46.047270 to 100.000000

Table 18 provides the description of each of the final adjustment categories for the MA-PD Part D summary and the associated values of the CAI for each final adjustment category.

Table 18: Final Adjustment Categories and CAI Values for the MA-PD Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L3	D1	-0.035219
2	L4-L8	D1	-0.018599
	L1-L7	D2	
3	L1-L6	D3	0.009901
	L1-L5	D4-D5	
	L9	D1	
	L8-L9	D2	
4	L7-L8	D3	0.034454
	L6-L7	D4	
	L6	D5	
5	L8	D4	0.079744
	L7-L8	D5	
6	L10	D1-D4	0.110538
	L9	D3-D5	
7	L10	D5	0.124667

Tables 19 and 20 provide the range of the percentages that correspond to the LIS/DE and disability quintiles for the initial categories for the determination of the CAI values for the PDP Part D summary. Quintiles are used for both dimensions due to the limited number of PDPs as compared to MA-PD contracts.

Table 19: Categorization of Contract's Members into Quintiles of LIS/DE for the PDP Part D Summary

LIS/DE Quintile	Percentage of Contract's Beneficiaries who are LIS/DE
1	0.000000 to less than 1.243781
2	1.243781 to less than 2.398356
3	2.398356 to less than 4.421104
4	4.421104 to less than 10.174281
5	10.174281 to 100.000000

Table 20: Categorization of Contract's Members into Quintiles of Disability for the PDP Part D Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	0.000000 to less than 6.154784
2	6.154784 to less than 8.398344
3	8.398344 to less than 11.264808
4	11.264808 to less than 15.616311
5	15.616311 to 100.000000

Table 21 provides the description of each of the final adjustment categories for the PDP Part D summary and the associated value of the CAI per final adjustment category. Note that the CAI values for the PDP Part D summary are different from the CAI values for the MA-PD Part D summary. There are five final adjustment categories for the PDP Part D summary.

Table 21: Final Adjustment Categories and CAI Values for the PDP Part D Summary

Final Adjustment Category	LIS/DE Quintile	Disability Quintile	CAI Value
1	L1	D1	-0.317950
2	L2 L1-L2	D1 D2	-0.172794
3	L3-L5 L1-L3 L1	D1-D2 D3 D4	-0.139296
4	L4-L5 L2-L5 L1-L4	D3 D4 D5	-0.067530
5	L5	D5	0.043919

Calculation Precision

CMS and its contractors have always used software called SAS (an integrated system of software products provided by SAS Institute Inc.) to perform the calculations used in producing the Star Ratings. For all measures, except the improvement measures, the precision used in scoring the measure is indicated next to the label "Data Display" within the detailed description of each measure. The improvement measures are discussed below. The domain ratings are the unweighted average of the star measures and are rounded to the nearest integer.

The improvement measures, summary, and overall ratings are calculated with at least six digits of precision after the decimal whenever the data allow it. The HEDIS measure scores have two digits of precision after the decimal. All other measures have at least six digits of precision when used in the improvement calculation.

Contracts may request a contract-specific calculation spreadsheet which emulates the actual SAS calculations from the Star Ratings mailbox during the second plan preview.

It is not possible to replicate CMS's calculations exactly due to factors including, but not limited to: using published measure data from sources other than CMS's Star Rating program which use different rounding rules, and exclusion of some contracts' ratings from publicly-posted data (e.g., terminated contracts).

Measure scores are rounded to the precision indicated next to the label “Data Display” within the detailed description of each measure. Measure scores are rounded using traditional rounding rules. These are standard “round to nearest” rules prior to cut point analysis. To obtain a value with the specified level of precision, the single digit following the level of precision will be rounded. If the digit to be rounded is 0, 1, 2, 3 or 4, the value is rounded down, with no adjustment to the preceding digit. If the digit to be rounded is 5, 6, 7, 8 or 9, the value is rounded up, and a value of one is added to the preceding digit. After rounding, all digits after the specified level of precision are removed. If rounding to a whole number, the digit to be rounded is in the first decimal place. If the digit in the first decimal place is below 5, then after rounding the whole number remains unchanged and fractional parts of the number are deleted. If the digit in the first decimal place is 5 or greater, then the whole number is rounded up by adding a value of 1 and fractional parts of the number are deleted. For example, a measure listed with a Data Display of “Percentage with no decimal point” that has a value of 83.499999 rounds down to 83, while a value of 83.500000 rounds up to 84.

Rounding Rules for Summary and Overall Ratings

The results of the summary and overall calculations are rounded to the nearest half star (i.e., 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0). Table 22 summarizes the rounding rules for converting the Part C and D summary and overall ratings into the publicly reported Star Ratings.

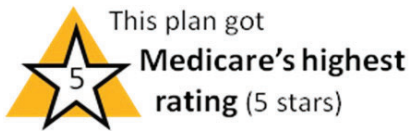
Table 22: Rounding Rules for Summary and Overall Ratings

Raw Summary / Overall Score	Final Summary / Overall Rating
0.000000 to less than 0.250000	0
0.250000 to less than 0.750000	0.5
0.750000 to less than 1.250000	1.0
1.250000 to less than 1.750000	1.5
1.750000 to less than 2.250000	2.0
2.250000 to less than 2.750000	2.5
2.750000 to less than 3.250000	3.0
3.250000 to less than 3.750000	3.5
3.750000 to less than 4.250000	4.0
4.250000 to less than 4.750000	4.5
4.750000 to 5.000000	5.0

For example, a summary or overall rating of 3.749999 rounds down to a rating of 3.5, and a rating of 3.750000 rounds up to rating of 4. That is, a score would need to be at least halfway between 3.5 and 4 (having a minimum value of 3.750000) in order to obtain the higher rating of 4.

Methodology for Calculating the High Performing Icon

A contract may receive a high performing icon as a result of its performance on the Parts C and/or D measures. The high performing icon is assigned to an MA-Only contract for achieving a 5-star Part C summary rating, a PDP contract for a 5-star Part D summary rating, and an MA-PD contract for a 5-star overall rating. Figure 3 shows the high performing icon used in the MPF:



Methodology for Calculating the Low Performing Icon

A contract can receive a low performing icon as a result of its performance on the Part C and/or Part D summary ratings. The low performing icon is calculated by evaluating the Part C and Part D summary ratings for the current year and the past two years (i.e., the 2022, 2023, and 2024 Star Ratings). If the contract had any combination of Part C and/or Part D summary ratings of 2.5 or lower in all three years of data, it is marked with a low performing icon (LPI). A contract must have a rating in either Part C and/or Part D for all three years to be considered for this icon.

Figure 4 shows the low performing contract icon used in the MPF:

Figure 4: The Low Performing Icon



Table 23 shows example contracts which would receive an LPI.

Table 23: Example LPI Contracts

Contract/Rating	Rated As	2022 C	2023 C	2024 C	2022 D	2023 D	2024 D	LPI Awarded	LPI Reason
HAAAA	MA-PD	2	2.5	2.5	3	3	3	Yes	Part C
HBBBB	MA-PD	3	3	3	2.5	2	2.5	Yes	Part D
HCCCC	MA-PD	2.5	3	3	3	2.5	2.5	Yes	Part C or D
HDDDD	MA-PD	3	2.5	3	2.5	3	2.5	Yes	Part C or D
HEEEE	MA-PD	2.5	2	2.5	2	2.5	2.5	Yes	Part C and D
HFFFF	MA-Only	2.5	2	2.5	-	-	-	Yes	Part C
SAAAA	PDP	-	-	-	2.5	2.5	2	Yes	Part D

Mergers, Novations, and Consolidations

This section covers how the Star Ratings are affected by mergers, novation and consolidations. To ensure a common understanding, we begin by defining each of the terms.

- **Merger:** when two (or more) companies join together to become a single business. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to Medicare beneficiaries. After the merger, all of those individual contracts with CMS are still intact, only the ownership changes in each of the contracts to the name of the new single business. Mergers can occur at any time during a contract year.
- **Novation:** when one company acquires another company. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to beneficiaries. After the novation, all of those individual contracts with CMS are still intact. The owner's names of the contracts acquired are changed to the new owner's name. Novations can occur at any time during the contract year.
- **Consolidation:** when an organization/sponsor that has at least two contracts with CMS for offering health and/or drug services to beneficiaries combines multiple contracts into a single contract with CMS. Consolidations occur

only at the change of the contract year. The one or more contracts that will no longer exist at contract year's end are known as the consumed contracts. The contract that will still exist is known as the surviving contract and all of the beneficiaries still enrolled in the consumed contract(s) are moved to the surviving contract.

Mergers and novations do not change the ratings earned by an individual contract in any way.

For a merger or novation, the only change is the company listed as owning the contract; there is no change in contract structure, so the Star Ratings earned by the contract remains with them until the next rating cycle. This includes any High Performing or Low Performing icons earned by any of the contracts.

Consolidations become effective the first day of the calendar year. The Star Ratings are released the previous October, so they are available when open enrollment begins. In the first year following a consolidation, the measure values used in calculating the Star Ratings of the surviving contract will be based on the enrollment-weighted mean of all contracts in the consolidation (see [Attachment B](#)). The surviving contract's ratings are posted publicly, used in determining QBP ratings, and included in the Past Performance Analysis.

Reliability Requirement for Low-enrollment Contracts

HEDIS measures for contracts whose enrollment as of July 2022 was at least 500 but less than 1,000 will be included in the Star Ratings in 2024 when the contract-specific measure score reliability is equal to or greater than 0.7. The reliability calculations are implemented using SAS PROC MIXED as documented on pages 31-32 of the report "The Reliability of Provider Profiling – A Tutorial," available at https://www.rand.org/pubs/technical_reports/TR653.html.

The within-contract variance for the Transitions of Care composite measure utilizes a different formula than other HEDIS pass/fail measures because it is an average of four component measures. First, the binomial variances and standard deviations (i.e., the square root of a variance term), as discussed in the report "The Reliability of Provider Profiling – A Tutorial", are calculated for each of the four component measures. Next, pairwise correlations are computed among the four component measures. Pairwise covariance terms among the four component measures are calculated by multiplying the respective pairwise correlation and two items' standard deviations together. The final within-contract variance for the Transitions of Care composite measure is computed by summing the four variance terms and each pairwise covariance term multiplied by 2.0.

Special Needs Plan (SNP) Data

A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP). Further details on SNP plans can be found in the glossary, [Attachment R](#).

CMS has included three SNP-specific measures in the 2024 Star Ratings. The Part C 'Special Needs Plan Care Management' measure is based on data reported by contracts through the Medicare Part C Reporting Requirements. The two Part C 'Care for Older Adults' measures are based on HEDIS data. The data for all of these measures are reported at the plan benefit package (PBP) level, while the Star Ratings are reported at the contract level.

The methodology used to combine the PBP data to the contract level is different between the two data sources. The Part C Reporting Requirements data are summed into a contract-level rate after excluding PBPs that do not map to any PBP offered by the contract in the calendar year for which the Reporting Requirements data underwent data validation. The HEDIS data are summed into a contract-level rate as long as the contract will be offering a SNP PBP in the Star Ratings year.

The two methodologies used to combine the PBP data within a contract for these measures are described further in [Attachment E](#).

Star Ratings and Marketing

Plan sponsors must ensure the Star Ratings document and all marketing of Star Ratings information is compliant with CMS's Medicare Marketing Guidelines. Failure to follow CMS' guidance may result in compliance action against the contract. The Medicare Marketing Guidelines were issued as Chapters 2 and 3 of the Prescription Drug Benefit Manual and the Medicare Managed Care Manual, respectively. Please direct questions about marketing Star Ratings information to your Account Manager.

Contact Information

The contact below can assist you with various aspects of the Star Ratings.

- Part C & D Star Ratings: PartCandDStarRatings@cms.hhs.gov

If you have questions or require information about the specific subject areas associated with the Star Ratings please write to those contacts directly and cc the Part C & D Star Ratings mailbox.

- CAHPS (MA & Part D): MP-CAHPS@cms.hhs.gov
- Call Center Monitoring: CallCenterMonitoring@cms.hhs.gov
- Compliance Activity Module issues (Part C): PartCCompliance@cms.hhs.gov
- Compliance Activity Module issues (Part D): PartD_Monitoring@cms.hhs.gov
- Demonstration (Medicare-Medicaid Plan) Ratings: mmcocapsmodel@cms.hhs.gov
- Disenrollment Reasons Survey: DisenrollSurvey@cms.hhs.gov
- HEDIS: HEDISquestions@cms.hhs.gov
- HOS: HOS@cms.hhs.gov
- HPMS Access issues: CMSHPMS_Access@cms.hhs.gov
- HPMS Help Desk (all other HPMS issues): HPMS@cms.hhs.gov
- Marketing: marketing@cms.hhs.gov
- Part C Compliance Activity issues: PartCCompliance@cms.hhs.gov
- Part D Compliance Activity issues: PartD_Monitoring@cms.hhs.gov
- Plan Reporting (Part C): Partcplanreporting@cms.hhs.gov
- Plan Reporting (Part D): Partd-planreporting@cms.hhs.gov
- Plan Reporting Data Validation (Part C & D): PartCandD_Data_Validation@cms.hhs.gov
- QBP Ratings and Appeals questions: QBPAppeals@cms.hhs.gov
- QBP Payment or Risk Analysis questions: riskadjustment@cms.hhs.gov

Framework and Definitions for the Domain and Measure Details Section

This page contains the formatting framework and definition of each sub-section that is used to describe the domain and measure details on the following pages.

Domain: The name of the domain to which the measures following this heading belong**Measure: The measure ID and common name of the ratings measure**

Title	Description
Label for Stars:	The label that appears with the stars for this measure on Medicare.gov.
Label for Data:	The label that appears with the numeric data for this measure on HPMS and CMS.gov.
Description:	The English language description shown for the measure on Medicare.gov. The text in this sub-section has been prepared to aid beneficiaries' understanding of the nature and the purpose of the measure. We strongly encourage any public-facing explanation of the measure to use this description.
HEDIS Label:	Optional – contains the full NCQA HEDIS measure name.
Measure Reference:	Optional – this sub-section contains the location of the detailed measure specification in the NCQA documentation for all HEDIS and HEDIS-HOS measures.
Metric:	Defines how the measure is calculated.
Primary Data Source:	The primary source of the data used in the measure.
Data Source Description:	Optional – contains information about additional data sources needed for calculating the measure.
Data Source Category:	The category of this data source.
Exclusions:	Optional – lists any exclusions applied to the data used for the measure.
General Notes:	Optional – contains additional information about the measure and the data used.
Data Time Frame:	The time frame of data used from the data source. In some HEDIS measures this date range may appear to conflict with the specific data time frame defined in the NCQA Technical Specifications. In those cases, the data used by CMS are unchanged from what was submitted to NCQA. CMS uses the data time frame of the overall HEDIS submission which is the HEDIS measurement year.
General Trend:	Indicates whether high values are better or low values are better for the measure.
Statistical Method:	The methodology used for assigning stars in this measure; see the section entitled "Methodology for Assigning Part C and Part D Measure Star Ratings" for an explanation of each of the possible entries in this sub-section.
Improvement Measure:	Indicates whether this measure is included in the improvement measure.
CAI Usage:	Indicates if the measure is used in the Categorical Adjustment Index calculation.
Case-Mix Adjusted:	Indicates if the data are case mix adjusted prior to being used for the Star Ratings.
Weighting Category:	The weighting category of this measure.

Title**Description**

Weighting Value: The numeric weight for this measure in the summary and overall rating calculations.

Meaningful Measure Area: Contains the area where this measure fits into the Meaningful Measure Framework.

CMIT #: The CMS Measure Inventory Tool (CMIT) is the repository of record for information about the measures which CMS uses to promote healthcare quality and quality improvement.

Data Display: The format used to the display the numeric data on Medicare.gov

Reporting Requirements: Table indicating which organization types are required to report the measure. “Yes” for organizations required to report; “No” for organizations not required to report.

Cut Points: Table containing the cut points used in the measure. For non-CAHPS measures, excluding new measures or measures with substantive specification changes for the first three years, the cut points are after the application of Tukey outlier deletion, mean resampling, and guardrails. The Health Plan Quality Improvement and Drug Plan Quality Improvement measure cut points are after the application of Tukey outlier deletion and mean resampling. For CAHPS measures, the table contains the base group cut points which are used prior to the final star assignment rules being applied.

See [Attachment C](#) for the national averages of individual Part C measures.

Domain: 1 - Staying Healthy: Screenings, Tests and Vaccines

Measure: C01 - Breast Cancer Screening

Title	Description

Label for Stars: Breast Cancer Screening

Label for Data: Breast Cancer Screening

Description: Percent of female plan members aged 52-74 who had a mammogram during the past two years.

HEDIS Label: Breast Cancer Screening (BCS)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 95

Metric: The percentage of women MA enrollees 50 to 74 years of age (denominator) as of December 31 of the measurement year who had a mammogram to screen for breast cancer in the past two years(numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria:
 - At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits.
 - At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set).
 - A dispensed dementia medication (Dementia Medications List).
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set)

Title

Description

during the measurement year (optional) Bilateral mastectomy any time during the member's history through December 31 of the measurement year. Any of the following meet criteria for bilateral mastectomy:

- Bilateral mastectomy (Bilateral Mastectomy Value Set).
- Unilateral mastectomy (Unilateral Mastectomy Value Set) with a bilateral modifier (Bilateral Modifier Value Set).
- Two unilateral mastectomies (Unilateral Mastectomy Value Set) with service dates 14 days or more apart. For example, if the service date for the first unilateral mastectomy was February 1 of the measurement year, the service date for the second unilateral mastectomy must be on or after February 15.
- Both of the following (on the same or a different date of service):
 - Unilateral mastectomy (Unilateral Mastectomy Value Set) with a right-side modifier (Right Modifier Value Set) (same date of service).
 - Unilateral mastectomy (Unilateral Mastectomy Value Set) with a left-side modifier (Left Modifier Value Set) (same date of service).
- Absence of the left breast (Absence of Left Breast Value Set) and absence of the right breast (Absence of Right Breast Value Set) on the same or different date of service.
- History of bilateral mastectomy (History of Bilateral Mastectomy Value Set).
- Left unilateral mastectomy (Unilateral Mastectomy Left Value Set) and right unilateral mastectomy (Unilateral Mastectomy Right Value Set) on the same or different date of service.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Title	Description

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00093-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	less than 52%	52% to less than 63%	63% to less than 71%	71% to less than 79%	greater than or equal to 79%

Measure: C02 - Colorectal Cancer Screening

Title	Description

Label for Stars: Colorectal Cancer Screening

Label for Data: Colorectal Cancer Screening

Description: Percent of plan members aged 50-75 who had appropriate screening for colon cancer.

HEDIS Label: Colorectal Cancer Screening (COL)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 105

Metric: The percentage of MA enrollees aged 50 to 75 (denominator) as of December 31 of the measurement year who had appropriate screenings for colorectal cancer (numerator).

Primary Data Source: HEDIS Patient-level Data

Data Source Category: Health and Drug Plans

- Exclusions:
- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
 - Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year.
 - Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year (optional) Refer to Administrative Specification for

Title**Description**

exclusion criteria. Exclusionary evidence in the medical record must include a note indicating colorectal cancer or total colectomy any time during the member's history through December 31 of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00139-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 50%	50% to less than 61%	61% to less than 71%	71% to less than 80%	greater than or equal to 80%		

Measure: C03 - Annual Flu Vaccine**Title****Description**

Label for Stars: Yearly Flu Vaccine

Label for Data: Yearly Flu Vaccine

Title**Description**

Description: Percent of plan members who got a vaccine (flu shot).

Metric: The percentage of sampled Medicare enrollees (denominator) who received an influenza vaccination (numerator).

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question number varies depending on survey type):

- Have you had a flu shot since July 1, 2022?

Data Source Category: Survey of Enrollees

General Notes: This measure is not case-mix adjusted.

CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00259-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	less than 63%	63% to less than 67%	67% to less than 74%	74% to less than 78%	greater than or equal to 78%

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C04 - Monitoring Physical Activity

Title	Description

Label for Stars: Monitoring Physical Activity

Label for Data: Monitoring Physical Activity

Description: Percent of senior plan members who discussed exercise with their doctor and were advised to start, increase, or maintain their physical activity during the year.

HEDIS Label: Physical Activity in Older Adults (PAO)

Measure Reference: NCQA HEDIS Measurement Year 2021 Specifications for the Medicare Health Outcomes Survey Volume 6, page 37

Metric: The percentage of sampled Medicare members 65 years of age or older who had a doctor's visit in the past 12 months (denominator) and who received advice to start, increase or maintain their level exercise or physical activity (numerator).

Primary Data Source: HEDIS-HOS

Data Source Description: Cohort 23 Follow-up Data collection (2022) and Cohort 25 Baseline data collection (2022).

HOS Survey Question 42: In the past 12 months, did you talk with a doctor or other health provider about your level of exercise or physical activity? For example, a doctor or other health provider may ask if you exercise regularly or take part in physical exercise.

HOS Survey Question 43: In the past 12 months, did a doctor or other health care provider advise you to start, increase or maintain your level of exercise or physical activity? For example, in order to improve your health, your doctor or other health provider may advise you to start taking the stairs, increase walking from 10 to 20 minutes every day or to maintain your current exercise program.

Data Source Category: Survey of Enrollees

Exclusions: Members who responded "I had no visits in the past 12 months" to Question 42 are excluded from results calculations for Question 43. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 07/19/2022 – 11/01/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Title**Description**

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00540-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 42%	42% to less than 48%	48% to less than 53%	53% to less than 58%	greater than or equal to 58%

Domain: 2 - Managing Chronic (Long Term) Conditions**Measure: C05 - Special Needs Plan (SNP) Care Management**

Title	Description

Label for Stars: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Label for Data: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Description: Percent of members whose plan did an assessment of their health needs and risks in the past year. The results of this review are used to help the member get the care they need.

(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

Metric: This measure is defined as the percent of eligible Special Needs Plan (SNP) enrollees who received a health risk assessment (HRA) during the measurement year. The denominator for this measure is the sum of the number of new enrollees due for an Initial HRA (Element A) and the number of enrollees eligible for an annual reassessment HRA (Element B). The numerator for this measure is the sum of the number of initial HRAs performed on new enrollees (Element C) and the number of annual reassessments performed on enrollees eligible for a reassessment (Element F). The equation for calculating the SNP Care Management Assessment Rate is:

$$\frac{\begin{aligned} &[\text{Number of initial HRAs performed on new enrollees (Element C)} \\ &+ \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ &/ [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ &+ \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}}$$

Primary Data Source: Part C Plan Reporting

Data Source Description: Data reported by contracts to CMS per the Part C Reporting Requirements. Validation for data performed during the 2023 Data Validation cycle.

Data Source Category: Health and Drug Plans

Exclusions: Contracts and PBPs with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2023) are excluded and listed as "No data available."

SNP Care Management Assessment Rates are not provided for contracts that did not score at least 95% on data validation for the SNP Care Management reporting section or were not compliant with data validation standards/sub-standards for any of the following SNP Care Management data elements:

- Number of new enrollees due for an initial HRA (Element A)
- Number of enrollees eligible for an annual reassessment HRA (Element B)
- Number of initial HRAs performed on new enrollees (Element C)

Title

Description

- Number of annual reassessments performed on enrollees eligible for reassessment (Element F)

Contracts excluded from the SNP Care Management Assessment Rates due to data validation issues are shown as “CMS identified issues with this plan’s data.”

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select “Monitoring,” then “Plan Reporting Data Validation.” Select the appropriate contract year. Select the PRDVM Reports. Select “Score Detail Report.” Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 30 or more enrollees in the denominator [Number of new enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual HRA (Element B) ≥ 30] in order to have a calculated rate. Contracts with fewer than 30 eligible enrollees are listed as “No data available.”

General Notes: More information about the data used to calculate this measure can be found in [Attachment E](#).

The Part C reporting requirement fields listed below are not used in calculating this measure:

- Data Element D Number of initial HRA refusals
- Data Element E Number of initial HRAs where SNP is unable to reach new enrollees
- Data Element G Number of annual reassessment refusals
- Data Element H Number of annual reassessments where SNP is unable to reach enrollee

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Title**Description**

Meaningful Measure Area: Chronic Conditions

CMIT #: 00685-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 42%	42% to less than 57%	57% to less than 74%	74% to less than 85%	greater than or equal to 85%

Measure: C06 - Care for Older Adults – Medication Review

Title	Description

Label for Stars: Yearly Review of All Medications and Supplements Being Taken

Label for Data: Yearly Review of All Medications and Supplements Being Taken

Description: Percent of plan members whose doctor or clinical pharmacist reviewed a list of everything they take (prescription and non-prescription drugs, vitamins, herbal remedies, other supplements) at least once a year.
(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

HEDIS Label: Care for Older Adults (COA) – Medication Review

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 118

Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one medication review (Medication Review Value Set) conducted by a prescribing practitioner or clinical pharmacist during the measurement year and the presence of a medication list in the medical record (Medication List Value Set) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2022 SNP Comprehensive Report were excluded from this measure.

General Notes: The formula used to calculate this measure can be found in [Attachment E](#).

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Title	Description

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00110-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	No	Yes	Yes	No	No	No

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	less than 72%	72% to less than 84%	84% to less than 93%	93% to less than 98%	greater than or equal to 98%

Measure: C07 - Care for Older Adults – Pain Assessment

Title	Description

Label for Stars: Yearly Pain Screening or Pain Management Plan

Label for Data: Yearly Pain Screening or Pain Management Plan

Description: Percent of plan members who had a pain screening at least once during the year. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

HEDIS Label: Care for Older Adults (COA) – Pain Screening

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 118

Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one pain assessment (Pain Assessment Value Set) plan during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2022 SNP Comprehensive Report were excluded from this measure.

General Notes: The formula used to calculate this measure can be found in [Attachment E](#).

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Wellness and Prevention

CMIT #: 00111-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 74%	74% to less than 83%	83% to less than 91%	91% to less than 96%	greater than or equal to 96%

Measure: C08 - Osteoporosis Management in Women who had a Fracture**Title****Description**

Label for Stars: Osteoporosis Management

Label for Data: Osteoporosis Management

Description: Percent of female plan members who broke a bone and got screening or treatment for osteoporosis within 6 months.

HEDIS Label: Osteoporosis Management in Women Who Had a Fracture (OMW)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 228

Metric: The percentage of woman MA enrollees 67 - 85 who suffered a fracture (denominator) and who had either a bone mineral density (BMD) test or prescription for a drug to treat osteoporosis in the six months after the fracture (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Title**Description**

Exclusions:

- Members who had a BMD test (Bone Mineral Density Tests Value Set) during the 730 days (24 months) prior to the IESD.
- Members who had a claim/encounter for osteoporosis therapy (Osteoporosis Medications Value Set) during the 365 days (12 months) prior to the IESD.
- Members who received a dispensed prescription or had an active prescription to treat osteoporosis (Osteoporosis Medications List) during the 365 days (12 months) prior to the IESD.
- Members who are enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
- Members living long-term in an institution any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00484-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars

Title	Description				
	less than 29%	29% to less than 42%	42% to less than 55%	55% to less than 71%	greater than or equal to 71%

Measure: C09 - Diabetes Care – Eye Exam

Title	Description

Label for Stars: Eye Exam to Check for Damage from Diabetes

Label for Data: Eye Exam to Check for Damage from Diabetes

Description: Percent of plan members with diabetes who had an eye exam to check for damage from diabetes during the year.

HEDIS Label: Eye Exam for Patients with Diabetes (EED)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 203

Metric: The percentage of diabetic MA enrollees age 18-75 with diabetes (type 1 and type 2) (denominator) who had an eye exam (retinal) performed during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with both frailty (Frailty Value Set) and advanced illness (Advanced Illness Value Set) during the measurement year.
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year.

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same.

Title	Description
	If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure. Data Time Frame: 01/01/2022 – 12/31/2022 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters. Meaningful Measure Area: Chronic Conditions CMIT #: 00203-02-C-PARTC Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 52%	52% to less than 65%	65% to less than 73%	73% to less than 81%	greater than or equal to 81%		

Measure: C10 - Diabetes Care – Blood Sugar Controlled

Title	Description
Label for Stars:	Plan Members with Diabetes whose Blood Sugar is Under Control
Label for Data:	Plan Members with Diabetes whose Blood Sugar is Under Control

Title**Description**

Description: Percent of plan members with diabetes who had an A1c lab test during the year that showed their average blood sugar is under control.

HEDIS Label: Hemoglobin A1c Control for Patients with Diabetes (HBD) – HbA1c poor control (>9.0%)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees age 18-75 (denominator) whose most recent HbA1c level is greater than 9%, or who were not tested during the measurement year (numerator). (This measure for public reporting is reverse scored so higher scores are better.) To calculate this measure, subtract the submitted rate from 100.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with both frailty (Frailty Value Set) and advanced illness (Advanced Illness Value Set) during the measurement year.
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year.

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same.

If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

Title**Description**

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00204-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 58%	58% to less than 72%	72% to less than 80%	80% to less than 87%	greater than or equal to 87%		

Measure: C11 - Controlling Blood Pressure**Title****Description**

Label for Stars: Controlling Blood Pressure

Label for Data: Controlling Blood Pressure

Description: Percent of plan members with high blood pressure who got treatment and were able to maintain a healthy pressure.

HEDIS Label: Controlling High Blood Pressure (CBP)

Measure Reference: NCQA HEDIS MY 2022 Technical Specifications Volume 2, page 152

Metric: The percentage of MA members 18–85 years of age who had a diagnosis of hypertension (HTN) (denominator) and whose BP was adequately controlled (<140/90 mm Hg) (numerator).

Primary Data Source: HEDIS

Title

Description

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
- Members 81 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) during the measurement year.
- Members 66–80 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) and advanced illness during the measurement year.
- A dispensed dementia medication.
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year.

(Optional)

- Exclude from the eligible population all members with evidence of end-stage renal disease (ESRD) (ESRD Value Set; ESRD Obsolete Value Set) or kidney transplant (Kidney Transplant Value Set) on or prior to December 31 of the measurement year. Documentation in the medical record must include a dated note indicating evidence of ESRD, kidney transplant or dialysis.
- Exclude from the eligible population all members with a diagnosis of pregnancy (Pregnancy Value Set) during the measurement year.
- Exclude from the eligible population all members who had a nonacute inpatient admission during the measurement year. To identify nonacute inpatient admissions:
 1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
 2. Confirm the stay was for nonacute care based on the presence of a nonacute code (Nonacute Inpatient Stay Value Set) on the claim.
 3. Identify the admission date for the stay.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcomes Measure

Weighting Value: 3

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00167-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 58%	58% to less than 68%	68% to less than 74%	74% to less than 82%	greater than or equal to 82%

Measure: C12 - Reducing the Risk of Falling**Title****Description**

Label for Stars: Reducing the Risk of Falling

Label for Data: Reducing the Risk of Falling

Description: Percent of plan members with a problem falling, walking, or balancing who discussed it with their doctor and received a recommendation for how to prevent falls during the year. _____

HEDIS Label: Fall Risk Management (FRM)

Measure Reference: NCQA HEDIS Measurement Year 2021 Specifications for the Medicare Health Outcomes Survey Volume 6, page 39

Metric: The percentage of Medicare members 65 years of age and older who had a fall or had problems with balance or walking in the past 12 months, who were seen by a practitioner in the past 12 months (denominator) and who received a recommendation for how to prevent falls or treat problems with balance or walking from their current practitioner (numerator).

Title**Description**

Primary Data Source: HEDIS-HOS

Data Source Description: Cohort 23 Follow-up Data collection (2022) and Cohort 25 Baseline data collection (2022).

HOS Survey Question 44: A fall is when your body goes to the ground without being pushed. In the past 12 months, did you talk with your doctor or other health provider about falling or problems with balance or walking?

HOS Survey Question 45: Did you fall in the past 12 months?

HOS Survey Question 46: In the past 12 months have you had a problem with balance or walking?

HOS Survey Question 47: Has your doctor or other health provider done anything to help prevent falls or treat problems with balance or walking? Some things they might do include:

- Suggest that you use a cane or walker.
- Suggest that you do an exercise or physical therapy program.
- Suggest a vision or hearing test.

Data Source Category: Survey of Enrollees

Exclusions: Members who responded "I had no visits in the past 12 months" to Question 44 or Question 47 are excluded from results calculations. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 07/19/2022 – 11/01/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Safety

Title

Description

CMIT #: 00646-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 47%	47% to less than 53%	53% to less than 60%	60% to less than 70%	greater than or equal to 70%

Measure: C13 - Improving Bladder Control

Title

Description

Label for Stars: Improving Bladder Control

Label for Data: Improving Bladder Control

Description: Percent of plan members with a urine leakage problem in the past 6 months who discussed treatment options with a provider.

HEDIS Label: Management of Urinary Incontinence in Older Adults (MUI)

Measure Reference: NCQA HEDIS Measurement Year 2021 Specifications for the Medicare Health Outcomes Survey Volume 6, page 34

Metric: The percentage of Medicare members 65 years of age or older who reported having any urine leakage in the past six months (denominator) and who discussed treatment options for their urinary incontinence with a provider (numerator).

Primary Data Source: HEDIS-HOS

Data Source Description: Cohort 23 Follow-up Data collection (2022) and Cohort 25 Baseline data collection (2022).

HOS Survey Question 38: Many people experience leaking of urine, also called urinary incontinence. In the past six months, have you experienced leaking of urine?

HOS Survey Question 41: There are many ways to control or manage the leaking of urine, including bladder training exercises, medication and surgery. Have you ever talked with a doctor, nurse, or other health care provider about any of these approaches?

Member choices must be as follows to be included in the denominator:

- Q38 = "Yes."
- Q41 = "Yes" or "No."

The numerator contains the number of members in the denominator who indicated they discussed treatment options for their urinary incontinence with a health care provider.

Member choice must be as follows to be included in the numerator:

Title**Description**

- Q41 = "Yes."

Data Source Category: Survey of Enrollees

Exclusions: Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 07/19/2022 – 11/01/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00378-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 38%	38% to less than 42%	42% to less than 47%	47% to less than 51%	greater than or equal to 51%		

Measure: C14 - Medication Reconciliation Post-Discharge

Title	Description
Label for Stars:	The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge
Label for Data:	The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge
Description:	This shows the percent of plan members whose medication records were updated within 30 days after leaving the hospital. To update the record, a doctor or other health care professional looks at the new medications prescribed in the hospital and compares them with the other medications the patient takes. Updating medication records can help to prevent errors that can occur when medications are changed.
HEDIS Label:	Medication Reconciliation Post-Discharge (MRP)
Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 330	
Metric: The percentage of discharges from January 1–December 1 of the measurement year for members 18 years of age and older for whom medications were reconciled the date of discharge through 30 days after discharge (31 total days).	
Primary Data Source: HEDIS	
Data Source Category: Health and Drug Plans	
Exclusions: Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.	
Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.	
Data Time Frame: 01/01/2022 – 12/31/2022	
General Trend: Higher is better	
Statistical Method: Clustering	
Improvement Measure: Included	
CAI Usage: Included	
Case-Mix Adjusted: No	
Weighting Category: Process Measure	
Weighting Value: 1	
Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.	
Meaningful Measure Area: Seamless Care Coordination	

Title**Description**

CMIT #: 00441-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 38%	38% to less than 52%	52% to less than 68%	68% to less than 82%	greater than or equal to 82%

Measure: C15 - Plan All-Cause Readmissions**Title****Description**

Label for Stars: Readmission to a Hospital within 30 Days of Being Discharged (more stars are better because it means fewer members are being readmitted)

Label for Data: Readmission to a Hospital within 30 Days of Being Discharged (lower percentages are better because it means fewer members are being readmitted)

Description: Percent of plan members aged 18 and older discharged from a hospital stay who were readmitted to a hospital within 30 days, either for the same condition as their recent hospital stay or for a different reason.
(Patients may have been readmitted back to the same hospital or to a different one. Rates of readmission take into account how sick patients were when they went into the hospital the first time. This “risk-adjustment” helps make the comparisons between plans fair and meaningful.)

HEDIS Label: Plan All-Cause Readmissions (PCR)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 498

Metric: The percentage of acute inpatient stays during the measurement year that were followed by an unplanned acute readmission for any diagnosis within 30 days, for members 18 years of age and older using the following formula to control for differences in the case mix of patients across different contracts.

For contract A, their case-mix adjusted readmission rate relative to the national average is the observed readmission rate for contract A divided by the expected readmission rate for contract A. This ratio is then multiplied by the national average observed rate.

See [Attachment F](#): Calculating Measure C15: Plan All-Cause Readmissions (18+) for the complete formula, example calculation and National Average Observation value used to complete this measure.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude hospital stays for the following reasons:

- The member died during the stay.
- Female members with a principal diagnosis of pregnancy (Pregnancy Value Set) on the discharge claim.

Title**Description**

- A principal diagnosis of a condition originating in the perinatal period (Perinatal Conditions Value Set) on the discharge claim.
Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.
Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.
As listed in the HEDIS Technical Specifications. CMS has excluded contracts whose denominator was less than 150.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Included

Case-Mix Adjusted: Yes

Weighting Category: Outcome Measure

Weighting Value: 1

Major Disaster: New Measure Hold Harmless Provision.

Meaningful Measure Area: Admissions and Readmissions to Hospitals

CMIT #: 00561-02-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
greater than 13%	greater than 11% to less than or equal to 13%	greater than 10% to less than or equal to 11%	greater than 8% to less than or equal to 10%	less than or equal to 8%

Measure: C16 - Statin Therapy for Patients with Cardiovascular Disease

Title	Description
Label for Stars:	The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol
Label for Data:	The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol
Description:	This rating is based on the percent of plan members with heart disease who get the right type of cholesterol-lowering drugs. Health plans can help make sure their members are prescribed medications that are more effective for them.
HEDIS Label:	Statin Therapy for Patients with Cardiovascular Disease (SPC)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 168

Metric: The percentage of males 21–75 years of age and females 40–75 years of age during the measurement year, who were identified as having clinical atherosclerotic cardiovascular disease (ASCVD) (denominator) and were dispensed at least one high or moderate-intensity statin medication during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Pregnancy (Pregnancy Value Set) during the measurement year or year prior to the measurement year.
- In vitro fertilization (IVF Value Set) in the measurement year or year prior to the measurement year.
- Dispensed at least one prescription for clomiphene (Table SPC-A) during the measurement year or the year prior to the measurement year.
- ESRD (ESRD Value Set) during the measurement year or the year prior to the measurement year.
- Cirrhosis (Cirrhosis Value Set) during the measurement year or the year prior to the measurement year.
- Myalgia, myositis, myopathy, or rhabdomyolysis (Muscular Pain and Disease Value Set) during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria:

Title**Description**

- At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits.
- At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set).
- A dispensed dementia medication (Dementia Medications List).

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00700-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	Yes	Yes	No	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 79%	79% to less than 84%	84% to less than 86%	86% to less than 90%	greater than or equal to 90%		

Measure: C17 - Transitions of Care

Title	Description

Label for Stars: After hospital stay, members receive information and care they need

Label for Data: After hospital stay, members receive information and care they need

Description: This rating is based on the percent of plan members who got follow-up care after a hospital stay. Follow-up care includes: getting information about their health problem and what to do next, having a visit or call with a doctor, and having a doctor or pharmacist make sure the plan member's medication records are up to date.

HEDIS Label: Transitions of Care (TRC)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 330

Metric: The average of the rates for Transitions of Care - Medication Reconciliation Post-Discharge, Transitions of Care - Notification of Inpatient Admission, Transitions of Care - Patient Engagement After Inpatient Discharge, and Transitions of Care - Receipt of Discharge Information.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Members in hospice are excluded from the eligible population. If an organization reports this measure using the Hybrid Method, and a member is found to be in hospice or using hospice services during medical record review, the member is removed from the sample and replaced by a member from the oversample. Members that do not have continuous enrollment from the date of discharge through 30 days after discharge (31 total days) are excluded. To identify acute and nonacute inpatient discharges:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the discharge date for the stay.

If the discharge is followed by a readmission or direct transfer to an acute or nonacute inpatient care setting on the date of discharge through 30 days after discharge (31 days total), use the admit date from the first admission and the discharge date from the last discharge. To identify readmissions and direct transfers during the 31-day period:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).
2. Identify the admission date for the stay (the admission date must occur during the 31-day period).
3. Identify the discharge date for the stay (the discharge date is the event date).

Exclude both the initial and the readmission/direct transfer discharge if the last discharge occurs after December 1 of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: New Measure Hold Harmless Provision.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00729-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 40%	40% to less than 52%	52% to less than 64%	64% to less than 78%	greater than or equal to 78%

Measure: C18 - Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions

Title**Description**

Label for Stars: Members with 2 or more chronic conditions receive follow-up care within 7 days after an emergency department visit

Label for Data: Members with 2 or more chronic conditions receive follow-up care within 7 days after an emergency department visit

Description: This rating is based on the percent of plan members with 2 or more chronic conditions who got follow-up care within 7 days after they had an emergency department (ED) visit. Depending on the person's needs this might be a visit with a health care provider, an appointment with a case manager, or a home visit.

HEDIS Label: Follow-up After Emergency Department Visit for People with Multiple High-Risk Chronic Conditions (FMC)

Measure Reference: NCQA HEDIS Measurement Year 2022 Technical Specifications Volume 2, page 340

Metric: The percentage of emergency department (ED) visits for members 18 years and older who have multiple high-risk chronic conditions who had a follow-up service within 7 days of the ED visit.

Primary Data Source: HEDIS

Title**Description**

Data Source Category: Health and Drug Plans

Exclusions: Exclude ED visits followed by admission to an acute or nonacute inpatient care setting on the date of the ED visit or within 7 days after the ED visit, regardless of the principal diagnosis for admission. To identify admissions to an acute or nonacute inpatient care setting:

1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set).

2. Identify the admission date for the stay.

An ED visit billed on the same claim as an inpatient stay is considered a visit that resulted in an inpatient stay.

These events are excluded from the measure because admission to an acute or nonacute setting may prevent an outpatient follow-up visit from taking place

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2022 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2022 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: New Measure Hold Harmless Provision.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00263-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	less than 44%	44% to less than 53%	53% to less than 60%	60% to less than 68%	greater than or equal to 68%		

Domain: 3 - Member Experience with Health Plan**Measure: C19 - Getting Needed Care**

Title	Description

Label for Stars: Ease of Getting Needed Care and Seeing Specialists

Label for Data: Ease of Getting Needed Care and Seeing Specialists (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get needed care, including care from specialists.

Metric: This case-mix adjusted composite measure is used to assess how easy it was for a member to get needed care and see specialists. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often did you get an appointment to see a specialist as soon as you needed?
- In the last 6 months, how often was it easy to get the care, tests or treatment you needed?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Title**Description**

Meaningful Measure Area: Person-Centered Care

CMIT #: 00293-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
less than 76	76 to less than 78	78 to less than 81	81 to less than 83	greater than or equal to 83

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C20 - Getting Appointments and Care Quickly**Title****Description**

Label for Stars: Getting Appointments & Care Quickly

Label for Data: Getting Appointments & Care Quickly (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how quickly members get appointments and care.

Metric: This case-mix adjusted composite measure is used to assess how quickly the member was able to get appointments and care. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you needed care right away, how often did you get care as soon as you needed?
- In the last 6 months, how often did you get an appointment for a check-up or routine care as soon as you needed?
- In the last 6 months, how often did you see the person you came to see within 15 minutes of your appointment time?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Title**Description**

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00292-01-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
less than 74	74 to less than 76	76 to less than 78	78 to less than 80	greater than or equal to 80

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C21 - Customer Service**Title****Description**

Label for Stars: Health Plan Provides Information or Help When Members Need It

Label for Data: Health Plan Provides Information or Help When Members Need It (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get information and help from the plan when needed.

Metric: This case-mix adjusted composite measure is used to assess how easy it was for the member to get information and help when needed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description:

- CAHPS Survey Questions (question numbers vary depending on survey type):

Title**Description**

- In the last 6 months, how often did your health plan's customer service give you the information or help you needed?
- In the last 6 months, how often did your health plan's customer service treat you with courtesy and respect?
- In the last 6 months, how often were the forms from your health plan easy to fill out?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00181-01-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	less than 88	88 to less than 89	89 to less than 90	90 to less than 92	greater than or equal to 92

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C22 - Rating of Health Care Quality

Title	Description

Label for Stars: Members' Rating of Health Care Quality

Label for Data: Members' Rating of Health Care Quality (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned from members who rated the quality of the health care they received.

Metric: This case-mix adjusted measure is used to assess members' view of the quality of care received from the health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question numbers vary depending on survey type):

- Using any number from 0 to 10, where 0 is the worst health care possible and 10 is the best health care possible, what number would you use to rate all your health care in the last 6 months?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00642-01-C-PARTC

Data Display: Numeric with no decimal place

Title	Description					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	No	Yes	No
Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	
	less than 84	84 to less than 85	85 to less than 87	87 to less than 88	greater than or equal to 88	

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C23 - Rating of Health Plan

Title	Description

Label for Stars: Members' Rating of Health Plan

Label for Data: Members' Rating of Health Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned from members who rated the health plan.

Metric: This case-mix adjusted measure is used to assess members' overall view of their health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question numbers vary depending on survey type):

- Using any number from 0 to 10, where 0 is the worst health plan possible and 10 is the best health plan possible, what number would you use to rate your health plan?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Title**Description**

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Person-Centered Care

CMIT #: 00643-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
less than 84	84 to less than 85	85 to less than 88	88 to less than 89	greater than or equal to 89

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: C24 - Care Coordination**Title****Description**

Label for Stars: Coordination of Members' Health Care Services

Label for Data: Coordination of Members' Health Care Services (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how well the plan coordinates members' care. (This includes whether doctors had the records and information they needed about members' care and how quickly members got their test results.)

Metric: This case-mix adjusted composite measure is used to assess Care Coordination. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale of 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you visited your personal doctor for a scheduled appointment, how often did he or she have your medical records or other information about your care?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did someone from your personal doctor's office follow up to give you those results?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did you get those results as soon as you needed them?
- In the last 6 months, how often did you and your personal doctor talk about all the prescription medicines you were taking?

Title**Description**

- In the last 6 months, did you get the help you needed from your personal doctor's office to manage your care among these different providers and services?
- In the last 6 months, how often did your personal doctor seem informed and up-to-date about the care you got from specialists?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00106-02-C-PARTC

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	less than 83	83 to less than 84	84 to less than 86	86 to less than 87	greater than or equal to 87

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Member Complaints and Changes in the Health Plan's Performance**Measure: C25 - Complaints about the Health Plan**

Title	Description

Label for Stars: Complaints about the Health Plan (more stars are better because it means fewer complaints)

Label for Data: Complaints about the Health Plan (lower numbers are better because it means fewer complaints)

Description: Rate of complaints filed with Medicare about the health plan.

Metric: Rate of complaints about the health plan per 1,000 members. For each contract, this rate is calculated as:

$$\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$$

Number of Days in Period = 366 for leap years, 365 for all other years.

- Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data.
- Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract.
- A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.

Primary Data Source: Complaints Tracking Module (CTM)

Data Source Description: Data were obtained from the CTM in the Health Plan Management System (HPMS) based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2022 complaints made by June 30, 2023 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis. Monthly enrollment files from HPMS were used to calculate the average enrollment for the contract for the measurement period.

Data Source Category: CMS Administrative Data

Exclusions: On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.

Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.

Data Time Frame: 01/01/2022 – 12/31/2022

Title**Description**

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00142-02-C-PARTC

Data Display: Numeric with 2 decimal places

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 0.75	less than 0.5 to 0.75	less than 0.32 to 0.5	less than 0.14 to 0.32	less than or equal to 0.14

Measure: C26 - Members Choosing to Leave the Plan**Title****Description**

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2022–December 31, 2022 (numerator) divided by all members enrolled in the contract at any time during 2022 (denominator).

Primary Data Source: MBDSS

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Title**Description**

Data Source Category: CMS Administrative Data

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2022 and 12/31/2022 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Title**Description**

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00446-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	less than 41%	less than 29% to 41%	less than 18% to 29%	less than 10% to 18%	less than or equal to 10%

Measure: C27 - Health Plan Quality Improvement**Title****Description**

Label for Stars: Improvement (if any) in the Health Plan's Performance

Label for Data: Improvement (if any) in the Health Plan's Performance

Description: This shows how much the health plan's performance improved or declined from one year to the next.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures. The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2022 and 2023 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2022 and 2023 Star Ratings

Title**Description**

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-centered Care

CMIT #: 00300-01-C-PARTC

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	less than -0.246067	-0.246067 to less than 0	0 to less than 0.173502	0.173502 to less than 0.393451	greater than or equal to 0.393451

Domain: 5 - Health Plan Customer Service**Measure: C28 - Plan Makes Timely Decisions about Appeals****Title****Description**

Label for Stars: Health Plan Makes Timely Decisions about Appeals

Label for Data: Health Plan Makes Timely Decisions about Appeals

Description: This rating shows how fast a plan sends information for an independent review.

Metric: Percent of appeals timely processed by the plan (numerator) out of all the plan's appeals decided by the Independent Review Entity (IRE) (includes upheld, overturned, partially overturned appeals and dismissed because the plan agreed to cover) (denominator). This is calculated as:

$$([\text{Number of Timely Appeals}] / ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}] + [\text{Appeals Dismissed Because Plan Agreed to Cover}])) * 100$$

Primary Data Source: Independent Review Entity (IRE)

Data Source Description: Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. The timeliness is based on the actual IRE received date and is compared to the date the appeal should have been received by the IRE.

Data Source Category: Data Collected by CMS Contractors

Exclusions: If the denominator is ≤ 10 , the result is "Not enough data available." Dismissed for reasons other than the plan agreed to cover and Withdrawn appeals are excluded from this measure.

General Notes: This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.

The number of timely appeals can be calculated using this formula:

$$[\text{Number of Timely Appeals}] = ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}]) + [\text{Appeals Dismissed Because Plan Agreed to Cover}] - [\text{Late}]$$

Note: When reviewing IRE data from the Maximus appeals website found at <http://www.medicareappeal.com/AppealSearch> and in data files, appeal disposition codes have been updated from the prior codes. Below is a crosswalk of previous appeal disposition codes and current codes:

Previous Field Name	Current Field Name
Upheld	Unfavorable
Overturn	Favorable
Partially Overturn	Partially favorable

Title**Description**

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Affordability and Efficiency
Area:

CMIT #: 00562-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	less than 84%	84% to less than 88%	88% to less than 94%	94% to less than 98%	greater than or equal to 98%

Measure: C29 - Reviewing Appeals Decisions**Title****Description**

Label for Stars: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Label for Data: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Description: This rating shows how often an independent reviewer found the health plan's decision to deny coverage to be reasonable.

Metric: Percent of appeals where a plan's decision was "upheld" by the Independent Review Entity (IRE) (numerator) out of all the plan's appeals (upheld, overturned, and partially overturned appeals only) that the IRE reviewed (denominator). This is calculated as:

Title	Description
	$\frac{([Appeals Upheld] / ([Appeals Upheld] + [Appeals Overturned] + [Appeals Partially Overturned])) * 100}{}$
Primary Data Source:	Independent Review Entity (IRE)
Data Source Description:	Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. If a Reopening occurs and is decided prior to June 30, 2023, the Reopened decision is used in place of the Reconsideration decision. Reopenings decided on or after June 30, 2023 are not reflected in these data the original decision result is used. The results of appeals that occur beyond Level 2 (i.e., Administrative Law Judge or Medicare Appeals Council appeals) are not included in the data.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	If the minimum number of appeals (upheld + overturned + partially overturned) is ≤ 10, the result is "Not enough data available." Dismissed and Withdrawn appeals are excluded from this measure.
General Notes:	This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.
Data Time Frame:	01/01/2022 – 12/31/2022
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access
Weighting Value:	4
Major Disaster:	Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.
Meaningful Measure Area:	Affordability and Efficiency
CMIT #:	00652-01-C-PARTC
Data Display:	Percentage with no decimal place

Title	Description					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	less than 87%	87% to less than 92%	92% to less than 96%	96% to less than 100%	equal to 100%	

Measure: C30 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description

Label for Stars: Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan

Label for Data: Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan

Description: Percent of time that TTY services and foreign language interpretation were available when needed by people who called the health plan's prospective enrollee customer service phone line.

Metric: The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within seven minutes.

Primary Data Source: Call Center

Data Source Description: Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.

Data Source Category: Data Collected by CMS Contractors

Exclusions: Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MAOs, MA-PDs, and MMPs under sanction.

General Notes: Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov

Data Time Frame: 02/2023 – 05/2023

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

Title**Description**

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: No adjustment for 2021 or 2022 disasters.

Meaningful Measure Area: Person-centered Care

CMIT #: 00096-01-C-PARTC

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
less than 72%	72% to less than 83%	83% to less than 92%	92% to less than 97%	greater than or equal to 97%

See [Attachment C](#) for the national averages of individual Part D measures.

Domain: 1 - Drug Plan Customer Service

Measure: D01 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the drug plan's prospective enrollee customer service line.
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within seven minutes.
Primary Data Source:	Call Center
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MA-PDs, PDPs, and MMPs under sanction.
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov
Data Time Frame:	02/2023 – 05/2023
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access

Title**Description**

Weighting Value: 4

Major Disaster: No adjustment for 2021 or 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00096-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	less than 73%	73% to less than 86%	86% to less than 96%	96% to less than 99%	greater than or equal to 99%
PDP	less than 91%	91% to less than 97%	97% to less than 98%	98% to less than 100%	equal to 100%

Domain: 2 - Member Complaints and Changes in the Drug Plan's Performance**Measure: D02 - Complaints about the Drug Plan**

Title	Description

Label for Stars: Complaints about the Drug Plan (more stars are better because it means fewer complaints)

Label for Data: Complaints about the Drug Plan (number of complaints for every 1,000 members). (Lower numbers are better because it means fewer complaints.)

Description: Rate of complaints filed with Medicare about the drug plan.

Metric: Rate of complaints about the drug plan per 1,000 members. For each contract, this rate is calculated as:

$$\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$$

Number of Days in Period = 366 for leap years, 365 for all other years.

- Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data.
- Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract.
- A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.

Primary Data Source: Complaints Tracking Module (CTM)

Data Source Description: Data were obtained from the CTM in the Health Plan Management System (HPMS) based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2022 complaints made by June 30, 2023 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis. Monthly enrollment files from HPMS were used to calculate the average enrollment for the contract for the measurement period.

Data Source Category: CMS Administrative Data

Exclusions: On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.

Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.

Data Time Frame: 01/01/2022 – 12/31/2022

Title	Description

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00142-02-C-PARTD

Data Display: Numeric with 2 decimal places

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	less than 0.75	greater than 0.5 to 0.75	greater than 0.32 to 0.5	greater than 0.14 to 0.32	less than or equal to 0.14
	PDP	greater than 0.14	greater than 0.09 to 0.14	greater than 0.06 to 0.09	greater than 0.02 to 0.06	less than or equal to 0.02

Measure: D03 - Members Choosing to Leave the Plan

Title	Description

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2022–December 31, 2022 (numerator) divided by all members enrolled in the contract at any time during 2022 (denominator).

Title**Description**

Primary Data Source: MBDSS

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Data Source Category: CMS Administrative Data

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2022 and 12/31/2022 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Lower is better

Statistical Method: Clustering

Title**Description**

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00446-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	greater than 41%	greater than 29% to 41%	greater than 18% to 29%	greater than 10% to 18%	less than or equal to 10%
PDP	greater than 23%	greater than 17% to 23%	greater than 11% to 17%	greater than 7% to 11%	less than or equal to 7%

Measure: D04 - Drug Plan Quality Improvement**Title****Description**

Label for Stars: Improvement (if any) in the Drug Plan's Performance

Label for Data: Improvement (If any) in the Drug Plan's Performance

Description: This shows how much the drug plan's performance has improved or declined from one year to the next year.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures.

Title**Description**

The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2023 and 2024 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2023 and 2024 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment I](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00224-01-C-PARTD

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	less than - 0.253472	-0.253472 to less than 0	0 to less than 0.193739	0.193739 to less than 0.458889	greater or equal to 0.458889
	PDP	less than - 0.123026	-0.123026 to less than 0	0 to less than 0.214538	0.214538 to less than 0.401223	greater than or equal to 0.401223

Domain: 3 - Member Experience with the Drug Plan**Measure: D05 - Rating of Drug Plan**

Title	Description
Label for Stars: Members' Rating of Drug Plan	
Label for Data: Members' Rating of Drug Plan (on a scale from 0 to 100)	
Description: Percent of the best possible score the plan earned from members who rated the prescription drug plan.	
Metric: This case-mix adjusted measure is used to assess members' overall view of their prescription drug plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.	
Primary Data Source: CAHPS	
Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):	
	Using any number from 0 to 10, where 0 is the worst prescription drug plan possible and 10 is the best prescription drug plan possible, what number would you use to rate your prescription drug plan?
Data Source Category: Survey of Enrollees	
General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.	
Data Time Frame: 03/2023 – 06/2023	
General Trend: Higher is better	
Statistical Method: Relative Distribution and Significance Testing	
Improvement Measure: Included	
CAI Usage: Not Included	
Case-Mix Adjusted: Yes	
Weighting Category: Patients' Experience and Complaints Measure	
Weighting Value: 4	
Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.	
Meaningful Measure Area: Person-Centered Care	

Title

Description

CMIT #: 00641-01-C-PARTD

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	less than 84	84 to less than 85	85 to less than 87	87 to less than 89	greater than or equal to 89
PDP	less than 80	80 to less than 81	81 to less than 83	83 to less than 87	greater than or equal to 87

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Measure: D06 - Getting Needed Prescription Drugs

Title

Description

Label for Stars: Ease of Getting Prescriptions Filled When Using the Plan

Label for Data: Ease of Getting Prescriptions Filled When Using the Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get the prescription drugs they need using the plan.

Metric: This case-mix adjusted measure is used to assess the ease with which a beneficiary gets the medicines their doctor prescribed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often was it easy to use your prescription drug plan to get the medicines your doctor prescribed?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription at your local pharmacy?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription by mail?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2023. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2023 – 06/2023

General Trend: Higher is better

Title**Description**

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Person-Centered Care

CMIT #: 00294-01-C-PARTD

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	less than 87	87 to less than 89	89 to less than 90	90 to less than 91	greater than or equal to 91
PDP	less than 87	87 to less than 88	88 to less than 90	90 to less than 91	greater than or equal to 91

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment K](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Drug Safety and Accuracy of Drug Pricing**Measure: D07 - MPF Price Accuracy**

Title	Description
Label for Stars:	Plan Provides Accurate Drug Pricing Information for This Website
Label for Data:	Plan Provides Accurate Drug Pricing Information for This Website (higher scores are better because they mean more accurate prices)
Description:	A score comparing the drug's total cost at the pharmacy to the drug prices the plan provided for the Medicare Plan Finder website. Higher scores are better because they mean the plan provided more accurate prices.
Metri	This measure evaluates the accuracy of drug prices posted on the MPF tool. A contract's score is based on the accuracy index, or magnitude of difference, and the claim percentage index, or frequency of difference.
	The accuracy index – or magnitude of difference - considers both ingredient cost and dispensing fee and measures the amount that the PDE price is higher than the MPF price. The claim percentage index – or frequency of difference - also considers both ingredient cost and dispensing fee while measuring how often the PDE price is higher than the MPF price. Therefore, prices that are overstated on MPF will not count against a plan's score.
	The accuracy index is computed as: (Total amount that PDE is higher than MPF + Total PDE cost) / (Total PDE cost).
	The claim percentage index is computed as: (Total number of PDEs where PDE cost is higher than MPF) / (Total number of PDEs).
	The best possible accuracy index is 1 and claim percentage index is 0. Indexes with these values indicate that a plan did not have PDE prices greater than MPF prices.
	A contract's score is computed using its accuracy index and claim percentage index as:
	$.5 \times (100 - ((\text{accuracy index} - 1) \times 100)) + .5 \times ((1 - \text{claim percentage index}) \times 100).$
Primary Data	PDE data, MPF Pricing Files
Source:	
Data Source	Data used in this measure are obtained from a number of sources: MPF Pricing Files and
Description:	PDE data are the primary data sources. The PDE data were submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2022 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2022- September 30, 2022. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the measure. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used. Reminder, CMS uses the term "final action" PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2022 PDE submission deadline are used to calculate this measure. The HPMS-approved formulary extracts, and data from First DataBank and Medi-span are also used.

Title**Description**

Data Source Data Collected by CMS Contractors

Category:

Exclusions: A contract with less than 30 PDE claims over the measurement period. PDEs must also meet the following criteria:

- If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible.
- Drug must appear in formulary file and in MPF pricing file
- PDE must be a 28-34, 60-62, or 90-93 day supply. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan.
- Date of service must occur at a time that data are not suppressed for the plan on MPF
- PDE must not be a compound claim
- PDE must not be a non-covered drug

General Notes: Please see [Attachment M](#): Methodology for Price Accuracy Measure for more information about this measure.

Data Time Frame: 01/01/2022 – 09/30/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Included
Measure:

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Affordability and Efficiency
Area:

CMIT #: 00452-01-C-PARTD

Title

Description

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	less than 94	94 to less than 96	96 to less than 98	98 to less than 99	greater than or equal to 99
	PDP	less than 96	96 to less than 97	97 to less than 98	98 to less than 99	greater than or equal to 99

Measure: D08 - Medication Adherence for Diabetes Medications

Title

Description

Label for Stars: Taking Diabetes Medication as Directed

Label for Data: Taking Diabetes Medication as Directed

Description: Percent of plan members with a prescription for diabetes medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with diabetes can manage their health is by taking their medication as directed. The plan, the doctor, and the member can work together to find ways to do this. ("Diabetes medication" means a *biguanide drug*, a *sulfonylurea drug*, a *thiazolidinedione drug*, a *DPP-4 inhibitor*, a *GLP-1 receptor agonist*, a *meglitinide drug*, or an *SGLT2 inhibitor*. Plan members who take insulin are not included.)

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy across classes of diabetes medications: biguanides, sulfonylureas, thiazolidinediones, DiPeptidyl Peptidase (DPP)-4 Inhibitors, GLP-1 receptor agonists, meglitinides, and sodium glucose cotransporter 2 (SGLT2) inhibitors. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher across the classes of diabetes medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two fills of diabetes medication(s) on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 91 days before the end of the enrollment period.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Title	Description

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2022 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2022-December 31, 2022. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2022 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for diabetes medication(s). PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), and the Encounter Data Systems (EDS).

- CME is used for enrollment information.
- EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period).
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available).
- EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for insulin

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

Title**Description**

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by the active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment for IP/SNF stays. Please see [Attachment L: Medication Adherence Measure Calculations](#) for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00436-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes
Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	MA-PD	less than 80%	80% to less than 84%	84% to less than 88%	88% to less than 90%	greater than or equal to 90%	
	PDP	less than 84%	84% to less than 87%	87% to less than 89%	89% to less than 93%	greater than or equal to 93%	

Measure: D09 - Medication Adherence for Hypertension (RAS antagonists)

Title	Description

Label for Stars: Taking Blood Pressure Medication as Directed

Label for Data: Taking Blood Pressure Medication as Directed

Description: Percent of plan members with a prescription for a blood pressure medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high blood pressure can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this. ("Blood pressure medication" means an *ACEI (angiotensin converting enzyme inhibitor)*, an *ARB (angiotensin receptor blocker)*, or a *direct renin inhibitor drug*.)

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for renin angiotensin system (RAS) antagonists: angiotensin converting enzyme inhibitor (ACEI), angiotensin receptor blocker (ARB), or direct renin inhibitor medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for RAS antagonist medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two RAS antagonist medication fills on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their RAS antagonist medication occurs at least 91 days before the end of the enrollment period.

The Part D Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Part D Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2022 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2022-December 31, 2022. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term "final action" PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2022 PDE submission deadline are used to calculate this measure. PDE claims are limited to

Title**Description**

members who received at least two prescriptions on unique dates of service for RAS antagonist medication(s). PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), and the Common Working File (CWF), and the Encounter Data Systems (EDS).

- CME is used for enrollment information.
- EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period).
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available).
- EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for sacubitril/valsartan

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see [Attachment L](#): Medication Adherence Measure Calculations for more information about these calculation adjustments.

Title**Description**

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00437-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes
Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	MA-PD	less than 82%	82% to less than 86%	86% to less than 89%	89% to less than 91%	greater than or equal to 91%	
	PDP	less than 87%	87% to less than 89%	89% to less than 91%	91% to less than 94%	greater than or equal to 94%	

Measure: D10 - Medication Adherence for Cholesterol (Statins)

Title	Description
Label for Stars: Taking Cholesterol Medication as Directed	
Label for Data: Taking Cholesterol Medication as Directed	

Description: Percent of plan members with a prescription for a cholesterol medication (a *statin drug*) who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high cholesterol can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this.

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for statin cholesterol medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for statin cholesterol medication(s) during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two statin cholesterol medication fills on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in the therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their statin medication occurs at least 91 days before the end of the enrollment period.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2022 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2022-December 31, 2022. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2022 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for statin medication. PDE adjustments made post-reconciliation were not reflected in this measure.

Title	Description
	Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), and the Encounter Data Systems (EDS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.
Data Source Category:	Health and Drug Plans
	Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period: • Hospice enrollment • ESRD diagnosis or dialysis coverage dates
General Notes:	Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode. The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$). The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see Attachment L: Medication Adherence Measure Calculations for more information about these calculation adjustments. When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.
Data Time Frame:	01/01/2022 – 12/31/2022

Title	Description

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00435-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	less than 82%	82% to less than 86%	86% to less than 88%	88% to less than 91%	greater than or equal to 91%
	PDP	less than 84%	84% to less than 87%	87% to less than 89%	89% to less than 93%	greater than or equal to 93%

Measure: D11 - MTM Program Completion Rate for CMR

Title	Description

Label for Stars: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Label for Data: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Description: Some plan members are in a program (called a *Medication Therapy Management* program) to help them manage their drugs. The measure shows how many members in the program had an assessment of their medications from the plan.

The assessment includes a discussion between the member and a pharmacist (or other health care professional) about all of the member's medications. The member also receives a written summary of the discussion, including an action plan that recommends what the member can do to better understand and use his or her medications.

Title**Description**

Metric: This measure is defined as the percent of Medication Therapy Management (MTM) program enrollees who received a Comprehensive Medication Review (CMR) during the reporting period.

Numerator = Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period.

Denominator = Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period and who were enrolled in the MTM program for at least 60 days during the reporting period. Only those beneficiaries who meet the contracts' specified targeting criteria per CMS – Part D requirements pursuant to §423.153(d) of the regulations at any time in the reporting period are included in this measure. Beneficiaries who were in hospice at any point during the reporting period are excluded. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe. The date of enrollment is counted towards the 60 days but the opt-out date is not.

A beneficiary's MTM eligibility, receipt of CMRs, etc., is determined for each contract he/she was enrolled in during the measurement period. Similarly, a contract's CMR completion rate is calculated based on each of its eligible MTM enrolled beneficiaries. For example, a beneficiary must meet the inclusion criteria for the contract to be included in the contract's CMR rate. A beneficiary who is enrolled in two different contracts' MTM programs for 30 days each is therefore excluded from both contracts' CMR rates. The beneficiary is only included in the measure calculation for the contract(s) where they were enrolled at least 60 days. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.

Beneficiaries may be enrolled in MTM based on the contracts' specified targeting criteria per CMS – Part D requirements and/or based on expanded, other plan-specific targeting criteria. Beneficiaries who were initially enrolled in MTM due to other plan-specific (expanded) criteria and then later met the contracts' specified targeting criteria per CMS – Part D requirements at any time in the reporting period are included in this measure. In these cases, a CMR received after the date of MTM enrollment but before the date the beneficiary met the specified targeting criteria per CMS – Part D requirements are included.

Primary Data Source: Part D Plan Reporting

Data Source Description: The data for this measure were reported by contracts to CMS per the 2022 Part D Reporting Requirements (data pulled June 2023). Validation of these data was performed retrospectively during the 2023 data validation cycle (deadline June 30, 2023 and data validation results pulled July 2023). Additionally, the Medicare Enrollment Database (EDB) is used for hospice enrollment (data pulled March 2023).

Data Source Category: Health and Drug Plans

Title**Description**

Exclusions: Contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2023) are excluded and listed as “No data available.”

MTM CMR rates are not provided for contracts that did not score at least 95% on data validation for the Medication Therapy Management Program reporting section or were not compliant with data validation standards/sub-standards for any of the following Medication Therapy Management Program data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- MBI Number (Element B)
- Date of MTM program enrollment (Element H)
- Met the specified targeting criteria per CMS – Part D requirements (Element F)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element K)
- Received annual CMR with written summary in CMS standardized format (Element O)
- Date(s) of CMR(s) (Element P)

MTM CMR rates are also not provided for contracts that failed to submit their MTM file and pass system validation by the reporting deadline or who had a missing data validation score for MTM. Contracts excluded from the MTM CMR Rates due to data validation issues are shown as “CMS identified issues with this plan's data.” See [Attachment N](#) for more details on the MTM CMR completion rate measure scoring methodology.

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select “Monitoring,” then “Plan Reporting Data Validation.” Select the appropriate contract year. Select the PRDVM Reports. Select “Score Detail Report.” Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMS at HPMS_Access@cms.hhs.gov.

Additionally, contracts must have 31 or more enrollees in the denominator in order to have a calculated rate. Contracts with fewer than 31 eligible enrollees are listed as “Not enough data available”.

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Title**Description**

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Seamless Care Coordination

CMIT #: 00454-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	less than 67%	67% to less than 77%	77% to less than 85%	85% to less than 92%	greater than or equal to 92%
PDP	less than 34%	34% to less than 52%	52% to less than 63%	63% to less than 77%	greater than or equal to 77%

Measure: D12 - Statin Use in Persons with Diabetes (SUPD)**Title****Description**

Label for Stars: The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol

Label for Data: The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol

Description: To lower their risk of developing heart disease, most people with diabetes should take cholesterol medication. This rating is based on the percent of plan members with diabetes who take the most effective cholesterol-lowering drugs. Plans can help make sure their members get these prescriptions filled.

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 40-75 years old who were dispensed at least two diabetes medication fills on unique dates of service and received a statin medication fill during the measurement period. The percentage is calculated as the number of member-years of enrolled beneficiaries 40-75 years old who received a statin medication fill during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 40-75 years old with at least two diabetes medication fills on unique dates of service during the measurement period (denominator).

Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 90 days before the end of the measurement year or end of the enrollment episode.

Title	Description
	The SUPD measure is adapted from the measure concept that was developed and endorsed by the Pharmacy Quality Alliance (PQA). See the medication list for this measure. The SUPD measure is calculated using the National Drug Code (NDC) lists updated by the PQA. The complete NDC lists, including diagnosis codes, are posted along with these technical notes.
Primary Data Source:	Prescription Drug Event (PDE) data
Data Source Description:	The data for this measure come from Prescription Drug Event (PDE) data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2022 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2022 – December 31, 2022. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2022 PDE submission deadline are used to calculate this measure. PDE adjustments made post-reconciliation were not reflected in this measure. Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), and the Encounter Data Systems (EDS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes. • EDS is used to identify diagnoses based on ICD-10-CM codes.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- Rhabdomyolysis and myopathy
- Pregnancy
- Lactation and fertility
- Cirrhosis
- Pre-Diabetes
- Polycystic Ovary Syndrome

Title	Description

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member years for each episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

Data Time Frame: 01/01/2022 – 12/31/2022

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2023-2024) for contracts with 25% or more enrolled affected by 2022 disasters.

Meaningful Measure Area: Chronic Conditions

CMIT #: 00702-01-C-PARTD

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	less than 81%	81% to less than 86%	86% to less than 88%	88% to less than 92%	greater than or equal to 92%
	PDP	less than 81%	81% to less than 83%	83% to less than 85%	85% to less than 87%	greater than or equal to 87%

Attachment A: CAHPS Case-Mix Adjustment**CAHPS Case-Mix Adjustment**

The CAHPS measures are case-mix adjusted to take into account the mix of enrollees. Case-mix variables include administrative age, dual eligibility status, low-income subsidy (LIS) indicator, and use of Asian language survey, and self-reported education, general health status, mental health status, and proxy usage status. The tables below include the case-mix variables and show the case-mix coefficients for each of the CAHPS measures included in the Star Ratings. The coefficients indicate how much higher or lower people with a given characteristic tend to respond compared to otherwise similar people with the baseline value for that characteristic (e.g., reference group), on the original scale of the item or composite, as presented in plan reports. The reference group for each characteristic will have a coefficient value of zero.

For example, for the measure "Rating of Health Care Quality," the model coefficient for "age 75-79" is 0.0521, indicating that respondents in that age range tend to score their plans 0.0521 points higher than otherwise similar people in the 70-74 age range (the baseline or reference category). Similarly, Medicaid dual eligibles tend to respond 0.0322 points lower on this item than otherwise similar non-duals. Contracts with higher proportions of beneficiaries who are in the 75-79 age range will be adjusted downward on this measure to compensate for the positive response tendency of their respondents. Similarly, contracts with higher proportions of respondents who are Medicaid dual eligibles will be adjusted upward on this measure to compensate for their respondents' negative response tendency. The case-mix patterns are not always consistent across measures. Missing case-mix adjustors are imputed as the contract mean.

The composites consist of multiple items, each of which is adjusted separately before combining the adjusted scores into a composite score. Item-level coefficients are presented below separately for each composite. For more detailed information on the application of CAHPS case-mix adjustment, please review the materials at <https://ma-pdpcahps.org/en/scoring-and-star-ratings/>.

Table A-1: Coefficients of Part C Getting Needed Care (C19) CAHPS Measure Composite Items

Predictor	Get Appointment with Specialist	Easy to Get Care
Age: 64 or under	0.0414	-0.0138
Age: 65 – 69	0.0069	-0.0144
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.0241	-0.0047
Age: 80 – 84	0.0101	0.0030
Age: 85 and older	0.0122	-0.0184
Less than an 8th grade education	0.0147	-0.0513
Some high school	0.0152	0.0390
High school graduate	0.0000	0.0000
Some college	-0.0174	-0.0368
College graduate	-0.0451	-0.0436
More than a bachelor's degree	-0.0861	-0.0641
General health rating: excellent	0.1082	0.0313
General health rating: very good	0.0623	0.0552
General health rating: good	0.0000	0.0000
General health rating: fair	-0.0744	-0.0488
General health rating: poor	-0.0956	-0.1716
Mental health rating: excellent	0.1989	0.2116
Mental health rating: very good	0.0973	0.1005
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.0560	-0.0609
Mental health rating: poor	-0.0956	-0.1199
Proxy helped	0.0318	0.0089
Proxy answered	0.0170	0.0893
Medicaid dual eligible	0.0019	-0.0222
Low-income subsidy (LIS)	0.0088	-0.0506
Asian survey language	0.0527	-0.1072

Table A-2: Coefficients of Part C Getting Appointments and Care Quickly (C20) CAHPS Measure Composite Items

Predictor	Getting Needed Care as Soon as Wanted	Getting Routine Care as Soon as Wanted	Wait Less Than 15 Minutes
Age: 64 or under	-0.0044	0.0542	-0.0653
Age: 65 – 69	0.0333	0.0009	-0.0177
Age: 70 – 74	0.0000	0.0000	0.0000
Age: 75 – 79	0.0401	0.0218	0.0122
Age: 80 – 84	0.0326	0.0389	-0.0077
Age: 85 and older	0.0710	0.0243	0.0141
Less than an 8th grade education	0.0230	-0.0306	-0.0526
Some high school	0.0125	-0.0357	0.0548
High school graduate	0.0000	0.0000	0.0000
Some college	0.0023	-0.0203	0.0344
College graduate	0.0086	-0.0511	0.0225
More than a bachelor's degree	-0.0137	-0.0717	0.0122
General health rating: excellent	0.1011	0.0186	0.2354
General health rating: very good	0.0425	0.0092	0.0974
General health rating: good	0.0000	0.0000	0.0000
General health rating: fair	-0.0476	-0.0439	-0.0891
General health rating: poor	-0.0857	-0.0784	-0.1452
Mental health rating: excellent	0.1801	0.1525	0.1130
Mental health rating: very good	0.0698	0.0749	0.0421
Mental health rating: good	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0306	-0.0406	-0.0215
Mental health rating: poor	-0.0917	-0.0721	0.0829
Proxy helped	0.0512	-0.0061	-0.0675
Proxy answered	0.0764	0.0762	-0.0235
Medicaid dual eligible	-0.0436	-0.0336	-0.0196
Low-income subsidy (LIS)	0.0031	-0.0299	0.0143
Asian survey language	-0.2210	-0.2959	-0.0893

Table A-3: Coefficients of Part C Customer Service (C21) CAHPS Measure Composite Items

Predictor	Paperwork Easy	Plan Customer Service Gives Information	Plan Customer Service Courtesy and Respect
Age: 64 or under	0.0170	0.0369	-0.0096
Age: 65 – 69	0.0067	0.0112	-0.0096
Age: 70 – 74	0.0000	0.0000	0.0000
Age: 75 – 79	-0.0082	0.0074	-0.0132
Age: 80 – 84	-0.0240	-0.0097	-0.0201
Age: 85 and older	-0.0152	0.0039	0.0036
Less than an 8th grade education	-0.0299	-0.0156	-0.0191
Some high school	-0.0184	-0.0061	-0.0111
High school graduate	0.0000	0.0000	0.0000
Some college	-0.0084	-0.0679	-0.0218
College graduate	-0.0151	-0.0890	-0.0221
More than a bachelor's degree	-0.0392	-0.1450	-0.0353
General health rating: excellent	0.0196	0.0352	0.0266
General health rating: very good	0.0082	0.0461	0.0116
General health rating: good	0.0000	0.0000	0.0000
General health rating: fair	-0.0249	-0.0314	0.0039
General health rating: poor	-0.0321	-0.0346	-0.0327
Mental health rating: excellent	0.0611	0.1837	0.0895
Mental health rating: very good	0.0350	0.0735	0.0397
Mental health rating: good	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0372	-0.0363	-0.0244
Mental health rating: poor	-0.0980	-0.1784	-0.1015
Proxy helped	-0.0749	0.0000	-0.0225
Proxy answered	0.0045	0.0391	0.0029
Medicaid dual eligible	-0.0658	0.0405	-0.0137
Low-income subsidy (LIS)	0.0063	0.0068	0.0222
Asian survey language	-0.1493	-0.0986	-0.1499

Table A-4: Coefficients of Part C Stand-alone CAHPS Measures

Predictor	Paperwork Easy	Plan Customer Service Gives Information	Plan Customer Service Courtesy and Respect
Age: 64 or under	0.0170	0.0369	-0.0096
Age: 65 – 69	0.0067	0.0112	-0.0096
Age: 70 – 74	0.0000	0.0000	0.0000
Age: 75 – 79	-0.0082	0.0074	-0.0132
Age: 80 – 84	-0.0240	-0.0097	-0.0201
Age: 85 and older	-0.0152	0.0039	0.0036
Less than an 8th grade education	-0.0299	-0.0156	-0.0191
Some high school	-0.0184	-0.0061	-0.0111
High school graduate	0.0000	0.0000	0.0000
Some college	-0.0084	-0.0679	-0.0218
College graduate	-0.0151	-0.0890	-0.0221
More than a bachelor's degree	-0.0392	-0.1450	-0.0353
General health rating: excellent	0.0196	0.0352	0.0266
General health rating: very good	0.0082	0.0461	0.0116
General health rating: good	0.0000	0.0000	0.0000
General health rating: fair	-0.0249	-0.0314	0.0039
General health rating: poor	-0.0321	-0.0346	-0.0327
Mental health rating: excellent	0.0611	0.1837	0.0895
Mental health rating: very good	0.0350	0.0735	0.0397
Mental health rating: good	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0372	-0.0363	-0.0244
Mental health rating: poor	-0.0980	-0.1784	-0.1015
Proxy helped	-0.0749	0.0000	-0.0225
Proxy answered	0.0045	0.0391	0.0029
Medicaid dual eligible	-0.0658	0.0405	-0.0137
Low-income subsidy (LIS)	0.0063	0.0068	0.0222
Asian survey language	-0.1493	-0.0986	-0.1499

Table A-5: Coefficients of Part C Care Coordination (C24) CAHPS Measure Composite Items

Predictor	MD/Office Help to Manage Care	MD Informed About Specialist Care	MD Follows up about Test Results and Gives Results as soon as Needed	Talk with MD about Medicines	MD has Medical Records about Care
Age: 64 or under	0.0046	-0.0114	-0.0013	0.0402	-0.0265
Age: 65 – 69	-0.0528	-0.0120	-0.0077	0.0376	-0.0073
Age: 70 – 74	0.0000	0.0000	0.0000	0.0000	0.0000
Age: 75 – 79	-0.0282	0.0151	-0.0080	-0.0344	0.0022
Age: 80 – 84	-0.0190	0.0006	0.0066	-0.1098	-0.0094
Age: 85 and older	-0.0895	-0.0232	-0.0263	-0.1662	-0.0021
Less than an 8th grade education	0.0260	0.1001	-0.0047	0.0194	-0.0268
Some high school	-0.0135	0.0669	0.0250	-0.0074	-0.0330
High school graduate	0.0000	0.0000	0.0000	0.0000	0.0000
Some college	-0.0034	-0.0245	-0.0377	-0.0035	-0.0055
College graduate	-0.0332	-0.0389	-0.0417	-0.0222	-0.0205
More than a bachelor's degree	-0.0216	-0.0856	-0.0365	-0.0587	-0.0065
General health rating: excellent	-0.0008	-0.0270	0.0860	0.1207	-0.0079
General health rating: very good	-0.0111	-0.0040	0.0423	0.0601	0.0247
General health rating: good	0.0000	0.0000	0.0000	0.0000	0.0000
General health rating: fair	-0.0650	-0.0502	-0.0635	-0.0435	-0.0308
General health rating: poor	-0.1020	-0.1222	-0.1524	-0.1039	-0.0726
Mental health rating: excellent	0.1224	0.1946	0.1645	0.1768	0.0931
Mental health rating: very good	0.0304	0.0808	0.0931	0.0867	0.0571
Mental health rating: good	0.0000	0.0000	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0391	-0.1002	-0.0407	-0.0597	-0.0274
Mental health rating: poor	-0.0342	-0.1422	-0.0559	-0.0531	-0.0843
Proxy helped	0.0196	-0.0021	-0.0019	0.0816	-0.0079
Proxy answered	-0.0020	-0.0433	0.0655	0.0710	0.0457
Medicaid dual eligible	-0.0061	0.0613	-0.0082	0.0014	-0.0122
Low-income subsidy (LIS)	-0.0318	0.1438	0.0131	-0.0131	0.0067
Asian survey language	0.1027	-0.1596	0.1903	-0.1308	-0.1026

Table A-6: Coefficients of Part D CAHPS Stand-alone Measures

Predictor	MA-PD D05: Rating of Drug Plan	PDP D05: Rating of Drug Plan
Age: 64 or under	-0.1891	-0.3770
Age: 65 – 69	-0.1095	-0.1195
Age: 70 – 74	0.0000	0.0000
Age: 75 – 79	0.1042	0.1631
Age: 80 – 84	0.1505	0.2597
Age: 85 and older	0.1974	0.5198
Less than an 8th grade education	0.0703	-0.1769
Some high school	0.0425	0.0060
High school graduate	0.0000	0.0000
Some college	-0.2087	-0.3485
College graduate	-0.3306	-0.1539
More than a bachelor's degree	-0.4426	-0.5077
General health rating: excellent	0.2238	0.1233
General health rating: very good	0.1922	0.0239
General health rating: good	0.0000	0.0000
General health rating: fair	-0.1861	-0.2132
General health rating: poor	-0.4147	-0.3450
Mental health rating: excellent	0.3268	0.1120
Mental health rating: very good	0.1035	0.0617
Mental health rating: good	0.0000	0.0000
Mental health rating: fair	-0.1101	-0.2242
Mental health rating: poor	-0.1847	-0.9212
Proxy helped	-0.1628	-0.2064
Proxy answered	-0.0284	0.2563
Medicaid dual eligible	0.3942	0.8442
Low-income subsidy (LIS)	0.3567	0.5929
Asian survey language	-0.3631	0.0000

Table A-7: Coefficients of Part D Getting Needed Prescription Drugs (D06) CAHPS Measure Composite Items

Predictor	MA-PD: Get Needed Prescription Drugs	MA-PD: Get Prescription Drugs from Mail or Pharmacy	PDP: Get Needed Prescription Drugs	PDP: Get Prescription Drugs from Mail or Pharmacy
Age: 64 or under	-0.0603	-0.0276	-0.1955	-0.1288
Age: 65 – 69	-0.0152	-0.0062	-0.0411	-0.0108
Age: 70 – 74	0.0000	0.0000	0.0000	0.0000
Age: 75 – 79	0.0204	0.0136	0.0322	0.0381
Age: 80 – 84	0.0462	0.0168	0.0365	0.0418
Age: 85 and older	0.0138	-0.0005	0.0134	-0.0303
Less than an 8th grade education	-0.0556	-0.0378	-0.0470	-0.0335
Some high school	-0.0062	-0.0187	-0.1264	-0.1132
High school graduate	0.0000	0.0000	0.0000	0.0000
Some college	-0.0375	-0.0425	-0.0692	-0.0427
College graduate	-0.0481	-0.0536	-0.0365	-0.0826
More than a bachelor's degree	-0.0618	-0.0857	-0.1088	-0.1149
General health rating: excellent	0.0306	0.0514	0.0839	0.0712
General health rating: very good	0.0473	0.0425	0.0331	0.0552
General health rating: good	0.0000	0.0000	0.0000	0.0000
General health rating: fair	-0.0529	-0.0442	-0.1217	-0.0595
General health rating: poor	-0.1323	-0.1428	-0.2777	-0.1987
Mental health rating: excellent	0.0988	0.1109	-0.0206	0.0334
Mental health rating: very good	0.0502	0.0555	-0.0026	0.0256
Mental health rating: good	0.0000	0.0000	0.0000	0.0000
Mental health rating: fair	-0.0506	-0.0467	-0.1631	-0.0679
Mental health rating: poor	-0.0532	-0.0254	-0.3480	-0.2465
Proxy helped	-0.0094	0.0049	-0.0014	-0.0612
Proxy answered	0.0294	0.0411	0.1625	0.0613
Medicaid dual eligible	0.0413	0.0149	0.0288	0.0656
Low-income subsidy (LIS)	0.0669	0.0170	0.1885	0.1608
Asian survey language	-0.0583	0.0220	0.0000	0.0000

First Year Following a Consolidation

In the first year following a consolidation, the measure values for the surviving contract of a consolidation are calculated as the enrollment-weighted mean of all contracts in the consolidation. The month(s) of enrollment used to calculate the enrollment weighted means varies by the type measure. Table B-1 below lists the enrollment used for each type of measure and the rule followed to determine the month(s) of enrollment. Table B-2 provides an example calculation.

Table B-1: Enrollment Month Used in Calculating Measure Scores for the Surviving Contract of a Consolidation

Type of Measure	Rule for Which Month of Enrollment is Used	Month(s) of Enrollment Used for 2024 Star Ratings
CAHPS	Enrollment at the time survey sample is pulled	January 2023
Call Center	Average enrollment during the study period	Feb 2023 – May 2023
HOS	Enrollment at the time survey sample is pulled	April 2022
HEDIS-HOS	Enrollment at the time survey sample is pulled	April 2022
HEDIS	Enrollment in July of the measurement period	July 2022
All Other Measures	Enrollment in July of the measurement period	July 2022

Table B-2: Example of Calculating the Measure Score for the Surviving Contract of a Consolidation

Contract ID	Surviving or Consumed Contract	Value for Breast Cancer Screening (BCS) Measure	July 2022 Enrollment
HAAAA	Surviving	75.13	43,326
HAAAB	Consumed	50.91	20,933

$$\text{Value for BCS for HAAAA} = \frac{75.13 \times 43,326 + 50.91 \times 20,933}{43,326 + 20,933} = 67.24$$

Second Year Following a Consolidation

In the second year following a consolidation, the measure values for the surviving contract of a consolidation are as reported for CAHPS, call center, HOS, and HEDIS measures. For all other measures, the measure values for the surviving contract of a consolidation are calculated as the enrollment weighted mean of all contracts in the consolidation.

Attachment C: National Averages for Part C and D Measures

The tables below contain the average of the average of contract numeric and star values for each measure reported in the 2024 Star Ratings. The averages are calculated after the disaster adjustment has been applied.

Table C-1: National Averages for Part C Measures

Measure ID	Measure Name	Numeric Average	Star Average
C01	Breast Cancer Screening	72%	3.7
C02	Colorectal Cancer Screening	71%	3.7
C03	Annual Flu Vaccine	72%	3.1
C04	Monitoring Physical Activity	50%	3.0
C05	Special Needs Plan (SNP) Care Management	72%	3.4
C06	Care for Older Adults – Medication Review	91%	3.8
C07	Care for Older Adults – Pain Assessment	91%	3.9
C08	Osteoporosis Management in Women who had a Fracture	44%	2.6
C09	Diabetes Care – Eye Exam	72%	3.5
C10	Diabetes Care – Blood Sugar Controlled	79%	3.6
C11	Controlling Blood Pressure	73%	3.4
C12	Reducing the Risk of Falling	56%	2.9
C13	Improving Bladder Control	45%	3.2
C14	Medication Reconciliation Post-Discharge	65%	3.4
C15	Plan All-Cause Readmissions	11%	2.9
C16	Statin Therapy for Patients with Cardiovascular Disease	85%	3.3
C17	Transitions of Care	51%	2.5
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	56%	3.0
C19	Getting Needed Care	80	3.4
C20	Getting Appointments and Care Quickly	77	3.5
C21	Customer Service	90	3.6
C22	Rating of Health Care Quality	86	3.3
C23	Rating of Health Plan	87	3.1
C24	Care Coordination	86	3.6
C25	Complaints about the Health Plan	0.32	3.9
C26	Members Choosing to Leave the Plan	19%	3.6
C27	Health Plan Quality Improvement	Medicare only shows a Star Rating for this topic	3.0
C28	Plan Makes Timely Decisions about Appeals	94%	4.1
C29	Reviewing Appeals Decisions	95%	3.6
C30	Call Center – Foreign Language Interpreter and TTY Availability	93%	4.3

Measure ID	Measure Name	MA-PD Numeric Average	MA-PD Star Average	PDP Numeric Average	PDP Star Average
D01	Call Center – Foreign Language Interpreter and TTY Availability	94%	3.7	94%	3.0
D02	Complaints about the Drug Plan	0.33	3.9	0.05	3.9
D03	Members Choosing to Leave the Plan	19%	3.6	12%	3.8
D04	Drug Plan Quality Improvement	Medicare only shows a Star Rating for this topic	3.4	Medicare only shows a Star Rating for this topic	2.9
D05	Rating of Drug Plan	87	3.2	83	3.4
D06	Getting Needed Prescription Drugs	90	3.5	89	3.5
D07	MPF Price Accuracy	97	3.6	97	3.6
D08	Medication Adherence for Diabetes Medications	86%	3.3	86%	2.6
D09	Medication Adherence for Hypertension (RAS antagonists)	88%	3.4	89%	2.6
D10	Medication Adherence for Cholesterol (Statins)	87%	3.2	87%	3.0
D11	MTM Program Completion Rate for CMR	84%	3.5	56%	3.2
D12	Statin Use in Persons with Diabetes (SUPD)	85%	2.7	82%	2.4

Table D-1: Part C Measure Data Time Frames

Measure ID	Measure Name	Primary Data Source	Data Time Frame
C01	Breast Cancer Screening	HEDIS	01/01/2022 – 12/31/2022
C02	Colorectal Cancer Screening	HEDIS	01/01/2022 – 12/31/2022
C03	Annual Flu Vaccine	CAHPS	03/2023 – 06/2023
C04	Monitoring Physical Activity	HEDIS-HOS	07/19/2022 – 11/01/2022
C05	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	01/01/2022 – 12/31/2022
C06	Care for Older Adults – Medication Review	HEDIS	01/01/2022 – 12/31/2022
C07	Care for Older Adults – Pain Assessment	HEDIS	01/01/2022 – 12/31/2022
C08	Osteoporosis Management in Women who had a Fracture	HEDIS	01/01/2022 – 12/31/2022
C09	Diabetes Care – Eye Exam	HEDIS	01/01/2022 – 12/31/2022
C10	Diabetes Care – Blood Sugar Controlled	HEDIS	01/01/2022 – 12/31/2022
C11	Controlling Blood Pressure	HEDIS	01/01/2022 – 12/31/2022
C12	Reducing the Risk of Falling	HEDIS-HOS	07/19/2022 – 11/01/2022
C13	Improving Bladder Control	HEDIS-HOS	07/19/2022 – 11/01/2022
C14	Medication Reconciliation Post-Discharge	HEDIS	01/01/2022 – 12/31/2022
C15	Plan All-Cause Readmission	HEDIS	01/01/2022 – 12/31/2022
C16	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	01/01/2022 – 12/31/2022
C17	Transitions of Care	HEDIS	01/01/2022 – 12/31/2022
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	HEDIS	01/01/2022 – 12/31/2022
C19	Getting Needed Care	CAHPS	03/2023 – 06/2023
C20	Getting Appointments and Care Quickly	CAHPS	03/2023 – 06/2023
C21	Customer Service	CAHPS	03/2023 – 06/2023
C22	Rating of Health Care Quality	CAHPS	03/2023 – 06/2023
C23	Rating of Health Plan	CAHPS	03/2023 – 06/2023
C24	Care Coordination	CAHPS	03/2023 – 06/2023
C25	Complaints about the Health Plan	Complaints Tracking Module (CTM)	01/01/2022 – 12/31/2022
C26	Members Choosing to Leave the Plan	MBDSS	01/01/2022 – 12/31/2022
C27	Health Plan Quality Improvement	Star Ratings	Not Applicable
C28	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE)	01/01/2022 – 12/31/2022
C29	Reviewing Appeals Decisions	Independent Review Entity (IRE)	01/01/2022 – 12/31/2022
C30	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2023 – 05/2023

Measure ID	Measure Name	Primary Data Source	Data Time Frame
D01	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2023 – 05/2023
D02	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	01/01/2022 – 12/31/2022
D03	Members Choosing to Leave the Plan	MBDSS	01/01/2022 – 12/31/2022
D04	Drug Plan Quality Improvement	Star Ratings	Not Applicable
D05	Rating of Drug Plan	CAHPS	03/2023 – 06/2023
D06	Getting Needed Prescription Drugs	CAHPS	03/2023 – 06/2023
D07	MPF Price Accuracy	PDE data, MPF Pricing Files	01/01/2022 – 09/30/2022
D08	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) data	01/01/2022 – 12/31/2022
D09	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) data	01/01/2022 – 12/31/2022
D10	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) data	01/01/2022 – 12/31/2022
D11	MTM Program Completion Rate for CMR	Part D Plan Reporting	01/01/2022 – 12/31/2022
D12	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) data	01/01/2022 – 12/31/2022

1. Medicare Part C Reporting Requirements Measure (C05: SNP Care Management)

Step 1: Start with all contracts that offer at least one SNP plan that was active at any point during contract year 2022.

Step 2: Exclude any contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2023), or that were not required to participate in data validation. This exclusion is consistent with the statement from page 6 of the CY 2022 Medicare Part C Plan Reporting Requirements Technical Specifications Document: “**Note:** If a contract terminates before July 1 in the following year after the contract year (CY) reporting period, the contract is not required to report any data for the respective two years – the CY reporting period, and the following year... If a PBP (Plan) under a contract terminates at any time in the CY reporting period and the contract remains active through July 1 of the following year, the contract must still report data for all PBPs, including the terminated PBP.”

This excludes:

- Contracts that terminate on or before 07/01/2023 according to the Contract Info extract

Step 3: After removing contract data excluded above, suppress contract rates based on the following rules:

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2022 SNP Care Reporting Requirements data are listed as “CMS identified issues with this plan’s data.”

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2022 SNP Care Reporting Requirements data but that failed at least one of the four data elements (elements A, B, C, and F) are listed as “CMS identified issues with this plan’s data.”

Small size: Contracts that have not yet been suppressed and have a SNP Care Assessment rate denominator [Number of New Enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual reassessment HRA (Element B)] of fewer than 30 are listed as “No Data Available.”

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

Step 4: Calculate the rate for the remaining contract using the formula:

$$\begin{aligned} & [\text{Number of initial HRAs performed on new enrollees (Element C)} \\ & + \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ & / [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ & + \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}$$

2. NCQA HEDIS Measures - (C06 – C07: Care for Older Adults)

The example NCQA measure combining methodology specifications below are written for two Plan Benefit Package (PBP) submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

Rates are produced for any contract offering a SNP in the ratings year which provided SNP HEDIS data in the measurement year.

Definitions

Let N_1 = The Total Number of Members Eligible for the HEDIS measure in the first PBP ("fixed" and auditable)

Let N_2 = The Total Number of Members Eligible for the HEDIS measure in the second PBP ("fixed" and auditable)

Let P_1 = The estimated rate (mean) for the HEDIS measure in the first PBP (auditable)

Let P_2 = The estimated rate (mean) for the same HEDIS measure in the second PBP (auditable)

Setup Calculations

Based on the above definitions, there are two additional calculations:

Let W_1 = The weight assigned to the first PBP results (estimated, auditable). This is estimated from the formula $W_1 = N_1 / (N_1 + N_2)$

Let W_2 = The weight assigned to the second PBP results (estimated, auditable). This is estimated from the formula $W_2 = N_2 / (N_1 + N_2)$

Pooled Analysis

The pooled result from the two rates (means) is calculated as: $P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$

NOTES:

Weights are based on the eligible member population. While it may be more accurate to remove all excluded members before weighting, NCQA and CMS have chosen not to do this (to simplify the method) for two reasons: 1) the number of exclusions relative to the size of the population should be small, and 2) exclusion rates (as a percentage of the eligible population) should be similar for each PBP and negligibly affect the weights.

If one or more of the submissions has a status of NA, those submissions are dropped and not included in the weighted rate (mean) calculations. If one or more of the submissions has an audit designation of BR or NR (which has been determined to be biased or is not reported by choice of the contract), the rate is set to zero as detailed in the section titled "Handling of Biased, Erroneous and/or Not Reportable (NR) Data" and the average enrollment for the year is used for the eligible population in the PBP. An example is shown in table E-1.

Table E-1: Example Calculation Using Effectiveness of Care Rate

Numeric Example Using an Effectiveness of Care Rate	
# of Total Members Eligible for the HEDIS measure in PBP 1, N_1 =	1500
# of Total Members Eligible for the HEDIS measure in PBP 2, N_2 =	2500
HEDIS Result for PBP 1, Enter as a Proportion between 0 and 1, P_1 =	0.75
HEDIS Result for PBP 2, Enter as a Proportion between 0 and 1, P_2 =	0.5
Setup Calculations - Initialize Some Intermediate Results	
The weight for PBP 1 product estimated by $W_1 = N_1 / (N_1 + N_2)$	0.375
The weight for PBP 2 product estimated by $W_2 = N_2 / (N_1 + N_2)$	0.625
Pooled Results	
$P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$	0.59375

All data are available in the CMS 2023 HEDIS® Public Use File (PUF)¹ and can be looked up by IndicatorKey (row) and Variable name (column).

The calculations below use the Denominator, ObservedCount and ExpectedCount values from the PCR (18-64) indicator (IndicatorKey = 202025_20) and the PCR (65+) indicator (IndicatorKey = 202111_20).

For each contract, calculate the (18+) Denominator, ObservedCount, and ExpectedCount:

$$\begin{aligned}\text{Denominator}(18+) &= \text{Denominator}(18-64) + \text{Denominator}(65+) \\ \text{ObservedCount}(18+) &= \text{ObservedCount}(18-64) + \text{ObservedCount}(65+) \\ \text{ExpectedCount}(18+) &= \text{ExpectedCount}(18-64) + \text{ExpectedCount}(65+)\end{aligned}$$

Using these (18+) values, calculate the (18+) Observed-over-Expected ratio (OE):

$$\text{OE}(18+) = \left(\frac{\text{ObservedCount}(18+)}{\text{ExpectedCount}(18+)} \right)$$

And the national average of the (18+) Observed Rate:

$$\text{NatAvgObs}(18+) = \text{Average} \left(\left(\frac{\text{ObservedCount}(18+)_1}{\text{Denominator}(18+)_1} \right) + \dots + \left(\frac{\text{ObservedCount}(18+)_n}{\text{Denominator}(18+)_n} \right) \right)$$

Where 1 through n are all contracts with a (18+) Denominator larger than or equal to 150, and a (18+) OE larger than or equal to 0.2 and less than or equal to 5.0.

For each contract, calculate the Final Rate and convert to percentages:

$$\text{Final Rate}(18+) = \text{OE}(18+) \times \text{NatAvgObs}(18+) \times 100$$

And round to the nearest integer.

Example: Calculating the final rate for Contract 1

Contract	Indicator Key	Denominator	Observed Count	Expected Count
Contract 1	202025_20	214	8	12
Contract 1	202111_20	4,792	641	642
Contract 2	202025_20	225	12	7
Contract 2	202111_20	4,761	688	668
Contract 3	202025_20	573	31	35
Contract 3	202111_20	8,629	1,126	1,070
Contract 4	202025_20	12	0	1
Contract 4	202111_20	533	79	73

¹ <https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/MCRAdvPartEnrolData/MA-HEDIS-Public-Use-Files>

NatAvgObs = 0.135181

OE Contract 1 = $\left(\frac{8+641}{12+642} \right) = 0.992355$

Final Rate Contract 1 = $0.992355 \times 0.135181 \times 100 = 13.41$

Final Rate reported for Contract 1 = 13%

The actual calculated National Observed Rate used in the 2024 Star Ratings was 0.109719901931738.

Attachment G: Weights Assigned to Individual Performance Measures

Table G-1: Part C Measure Weights

Measure ID	Measure Name	Weighting Category	Part C Summary and MA-PD Overall
C01	Breast Cancer Screening	Process Measure	1
C02	Colorectal Cancer Screening	Process Measure	1
C03	Annual Flu Vaccine	Process Measure	1
C04	Monitoring Physical Activity	Process Measure	1
C05	Special Needs Plan (SNP) Care Management	Process Measure	1
C06	Care for Older Adults – Medication Review	Process Measure	1
C07	Care for Older Adults – Pain Assessment	Process Measure	1
C08	Osteoporosis Management in Women who had a Fracture	Process Measure	1
C09	Diabetes Care – Eye Exam	Process Measure	1
C10	Diabetes Care – Blood Sugar Controlled	Intermediate Outcome Measure	3
C11	Controlling Blood Pressure	Intermediate Outcome Measure	3
C12	Reducing the Risk of Falling	Process Measure	1
C13	Improving Bladder Control	Process Measure	1
C14	Medication Reconciliation Post-Discharge	Process Measure	1
C15	Plan All-Cause Readmissions	Outcome Measure	1*
C16	Statin Therapy for Patients with Cardiovascular Disease	Process Measure	1
C17	Transitions of Care	Process Measure	1
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	Process Measure	1
C19	Getting Needed Care	Patients' Experience and Complaints Measure	4
C20	Getting Appointments and Care Quickly	Patients' Experience and Complaints Measure	4
C21	Customer Service	Patients' Experience and Complaints Measure	4
C22	Rating of Health Care Quality	Patients' Experience and Complaints Measure	4
C23	Rating of Health Plan	Patients' Experience and Complaints Measure	4
C24	Care Coordination	Patients' Experience and Complaints Measure	4

Measure ID	Measure Name	Weighting Category	Part C Summary and MA-PD Overall
C25	Complaints about the Health Plan	Patients' Experience and Complaints Measure	4
C26	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
C27	Health Plan Quality Improvement	Improvement Measure	5
C28	Plan Makes Timely Decisions about Appeals	Measures Capturing Access	4
C29	Reviewing Appeals Decisions	Measures Capturing Access	4
C30	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4

*Plan All-Cause Readmissions has a weight of 1 for the 2024 Star Ratings because it is considered a new measure.

Measure ID	Measure Name	Weighting Category	Part D Summary and MA-PD Overall
D01	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4
D02	Complaints about the Drug Plan	Patients' Experience and Complaints Measure	4
D03	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
D04	Drug Plan Quality Improvement	Improvement Measure	5
D05	Rating of Drug Plan	Patients' Experience and Complaints Measure	4
D06	Getting Needed Prescription Drugs	Patients' Experience and Complaints Measure	4
D07	MPF Price Accuracy	Process Measure	1
D08*	Medication Adherence for Diabetes Medications	Intermediate Outcome Measure	3
D09*	Medication Adherence for Hypertension (RAS antagonists)	Intermediate Outcome Measure	3
D10*	Medication Adherence for Cholesterol (Statins)	Intermediate Outcome Measure	3
D11	MTM Program Completion Rate for CMR	Process Measure	1
D12	Statin Use in Persons with Diabetes (SUPD)	Process Measure	1

*For contracts whose service area only covers Puerto Rico, the weight for each adherence measure is set to zero (0) when calculating the summary and overall rating.

The weighted summary (or overall) Star Rating for contract j is estimated as:

$$\bar{x}_j = \frac{\sum_{i=1}^{n_j} w_{ij} x_{ij}}{\sum_{i=1}^{n_j} w_{ij}}$$

where n_j is the number of performance measures for which contract j is eligible; w_{ij} is the weight assigned to performance measure i for contract j ; and x_{ij} is the measure star for performance measure i for contract j . The

variance of the Star Ratings for each contract j, s_j^2 , must also be computed in order to estimate the reward factor (r-Factor):

$$s_j^2 = \frac{n_j}{(n_j - 1)(\sum_{i=1}^{n_j} w_{ij})} \left[\sum_{i=1}^{n_j} w_{ij} (x_{ij} - \bar{x}_j)^2 \right]$$

Thus, the $\bar{x}_j$'s are the new summary (or overall) Star Ratings for the contracts. The variance estimate, s_j^2 , simply replaces the non-weighted variance estimate that was previously used for the r-Factor calculation. For all contracts j , $w_{ij} = w_i$ (i.e., the performance measure weights are the same for all contracts when estimating a given Star Rating (Part C or Part D summary or MA-PD overall ratings)).

Calculating the Improvement Measure

Contracts must have data for at least half of the attainment measures used to calculate the Part C or Part D improvement measure to be eligible to receive a rating in that improvement measure.

The improvement change score was determined for each measure for which a contract was eligible by calculating the difference in measure scores between Star Rating years 2023 and 2024.

For measures where a higher score is better:

$$\text{Improvement Change Score} = \text{Score in 2024} - \text{Score in 2023}$$

For measures where a lower score is better:

$$\text{Improvement Change Score} = \text{Score in 2023} - \text{Score in 2024}$$

An eligible measure was defined as a measure for which a contract was scored in both the 2023 and 2024 Star Ratings, and there were no significant measure specification changes or a regional contract reconfiguration for which only contract data is available from the original contract in one or both years.

For each measure, significant improvement or decline between Star Ratings years 2023 and 2024 was determined by a two-sided t-test at the 0.05 significance level:

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} > 1.96, \text{ then YES} = \text{significant improvement}$$

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} < -1.96, \text{ then YES} = \text{significant decline}$$

Hold Harmless Provision for Individual Measures: If a contract demonstrated statistically significant decline (at the 0.05 significance level) on an attainment measure for which they received five stars during both the current contract year and the prior contract year, then this measure will be counted as showing no significant change. Measures that are held harmless as described here will be considered eligible for the improvement measure. Net improvement is calculated for each class of measures (e.g., outcome, access, and process) by subtracting the number of significantly declined measures from the number of significantly improved measures.

$$\text{Net Improvement} = \text{Number of significantly improved measures} - \text{Number of significantly declined measures}$$

The improvement measure score is calculated for Parts C and D separately by taking a weighted sum of net improvement divided by the weighted sum of the number of eligible measures.

Measures are generally weighted as follows:

Outcome or intermediate outcome measure: Weight of 3

Access or patient experience/complaints measure: Weight of 4

Process measure: Weight of 1

Specific weights for each measure, which may deviate from the general scheme above are described in [Attachment G](#). When the weight of an individual measure changes over the two years of data used, the newer weight value is used in the improvement calculation.

$$\text{Improvement Measure Score} = \frac{\text{Net\_Imp\_Process} + 3 * \text{Net\_Imp\_Outcome} + 4 * \text{Net\_Imp\_PtExp}}{\text{Elig\_Process} + 3 * \text{Elig\_Outcome} + 4 * \text{Elig\_PtExp}}$$

Net_Imp_Process = Net improvement for process measures

Net_Imp_Outcome = Net improvement for outcome and intermediate outcome measures

Net_Imp_PtExp = Net improvement for patient experience/complaints and access measures

Elig_Process = Number of eligible process measures

Elig_Outcome = Number of eligible outcome and intermediate outcome measures

Elig_PtExp = Number of eligible patient experience/complaints and access measures

The improvement measure score is converted into a Star Rating using the clustering method. Conceptually, the clustering algorithm identifies the “gaps” in the data and creates cut points that result in the creation of five categories (one for each Star Rating) such that scores of contracts in the same score category (Star Rating) are as similar as possible, and scores of contracts in different categories are as different as possible. Improvement scores of 0 (equivalent to no net change on the attainment measures included in the improvement measure calculation) will be centered at 3 stars when assigning the improvement measure Star Rating. Then, the remaining contracts are split into two groups and clustered: 1) improvement scores less than zero receive one or two stars on the improvement measure and 2) improvement scores greater than or equal to zero receive 3, 4, or 5 stars.

General Standard Error Formula

Because a contract’s score on a given measure in one year is not independent of its score in the next year, the standard error for the improvement change score for each measure is calculated using the standard approach for estimating the variance of the difference between two variables that may not be independent. In particular, the standard error of the improvement change score is calculated using the formula:

$$\sqrt{se(Y_{i2})^2 + se(Y_{i1})^2 - 2 * Cov(Y_{i2}, Y_{i1})}$$

Using measure C01 as an example, the change score standard error is:

$se(Y_{i2})$ Represents the 2024 standard error for contract i on measure C01

$se(Y_{i1})$ Represents the 2023 standard error for contract i on measure C01

Y_{i2} Represents the 2024 rate for contract i on measure C01

Y_{i1} Represents the 2023 rate for contract i on measure C01

cov Represents the covariance between Y_{i2} and Y_{i1} computed using the correlation across all contracts observed at both time points (2024 and 2023). In other words:

$$cov(Y_{i2}, Y_{i1}) = se(Y_{i2}) * se(Y_{i1}) * Corr(Y_{i2}, Y_{i1})$$

where the correlation $Corr(Y_{i2}, Y_{i1})$ is assumed to be the same for all contracts and is computed using data for all contracts. This assumption is needed because only one score is observed for each contract in each year; therefore, it is not possible to compute a contract specific correlation.

Improvement Change Score Standard Error Numerical Example

$$\begin{aligned} se(Y_{i2}) &= 2.805 \\ se(Y_{i1}) &= 3.000 \\ Corr(Y_{i2}, Y_{i1}) &= 0.901 \end{aligned}$$

Improvement change score standard error for measure C03 for contract A = $\sqrt{(2.805^2 + 3.000^2 - 2 * 0.901 * 2.805 * 3.000)} = 1.305$

Standard Error Formulas (SEF) for Specific Measures

The following formulas are used for calculating the contract-specific standard errors for specific measures in the 2024 Star Ratings. These standard errors are used in calculating the improvement change score standard error.

1. SEF for Measures: C01, C02, C04, C05, C08 – C14, C16, C26, C28 – C30, D01, D03, D08 – D12

$$SE_y = \sqrt{\frac{Score_y * (100 - Score_y)}{Denominator_y}}$$

for y = 2023, 2024

Denominator_y is as defined in the Measure Details section for each measure.

2. SEF for Measures: C06, C07

These measures are rolled up from the plan level to the contract level following the formula outlined in [Attachment E](#): NCQA HEDIS Measures. The standard error at the contract level is calculated as shown below. The specifications are written for two PBP submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

The plan level standard error is calculated as:

$$SE_{yj} = \sqrt{\frac{Score_{yj} * (100 - Score_{yj})}{Denominator_{yj}}}$$

for y = 2023, 2024 and j = Plan 1, Plan 2

The contract level standard error is then calculated as:

Let W_{y1} = The weight assigned to the first PBP results (estimated, auditable) for year y, where y = 2023, 2024.

This result is estimated by the formula $W_{y1} = N_{y1} / (N_{y1} + N_{y2})$

Let W_{y2} = The weight assigned to the second PBP results (estimated, auditable) for year y, where y = 2023, 2024. This result is estimated by the formula

$$SE_{yi} = \sqrt{\frac{W_{y2} = N_{y2} / (N_{y1} + N_{y2})}{(W_{y1})^2 * (SE_{y1})^2 + (W_{y2})^2 * (SE_{y2})^2}}$$

for y = Contract Year 2023, Contract Year 2024 and i = Contract i

3. SEF for Measures: C03, C19 – C24, and D05, D06

The CAHPS measure standard errors for 2023 and 2024 were provided to CMS by the CAHPS contractor following the formulas documented in the [CAHPS Macro Manual](#). The actual values used for each contract are included on the Measure Detail CAHPS page in the HPMS preview area.

4. SEF for Measures C25, D02

$$SE_y = \sqrt{\frac{\text{Total Number of Complaints}_y}{(\text{Average Contract Enrollment}_y)^2} \cdot \frac{1000 \cdot 30}{\text{NumDays}}}$$

NumDays: 2023 = 365, 2024 = 365

5. SEF for Measure D07

The standard error of the MPF Composite Price Accuracy Score for each contract is calculated by using binomial approximations for each of the component scores (Price Accuracy Score and Claim Percentage Score, as described in [Attachment M](#)). Since the MPF Composite Price Accuracy Score is equal to $(0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$, the composite measure's variance (and standard error) is a function of the variance of the Price Accuracy Score, the variance of the Claim Percentage Score, and the covariance between them. We assume that the product of the total PDE cost and the Price Accuracy Score (on a 0-1 scale) follows a binomial distribution, and likewise that the product of the number of PDE claims and the Claim Percentage Score (on a 0-1 scale) also follows a binomial distribution. With these assumptions in place, the standard error of the MPF Composite Accuracy Score is calculated as follows:

1. The contract's component scores, on their original 0-100 scale, have variances calculable using formulas based on the binomial variance assumptions described above, separately for each year $y = 2023, 2024$.

- a. For the Price Accuracy Score, the variance in year y is represented by

$$\text{Var}(\text{Price Acc. Score}_y) = \frac{(\text{Price Acc. Score}_y \times (100 - \text{Price Acc. Score}_y))}{\text{Total PDE Cost}_y}$$

- b. For the Claim Percentage Score, the variance in year y is represented by

$$\text{Var}(\text{Claims Pct. Score}_y) = \frac{(\text{Claims Pct. Score}_y \times (100 - \text{Claims Pct. Score}_y))}{\text{Number of PDE Claims}_y}$$

2. The contract-specific covariance between the component scores, shown as $\text{Cov}(\text{Price Acc. Score}_y, \text{Claim Pct. Score}_y)$ in step 3 below, is calculated as the product of:
 - a. the contract-specific standard errors of the two component scores, which are the square roots of the two variance estimates shown above in step 1, and
 - b. the correlation between the two component scores estimated based on all contracts.
3. The standard error of the MPF Composite Price Accuracy Score is calculated from the components calculated in steps 1 and 2 as shown below:

$$SE_y = \sqrt{\frac{\text{Var}(\text{Price Acc. Score}_y)}{4} + \frac{\text{Var}(\text{Claim Pct. Score}_y)}{4} + \frac{\text{Cov}(\text{Price Acc. Score}_y, \text{Claim Pct. Score}_y)}{2}}$$

for $y = 2023, 2024$

Table I-1: Part C Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
C01	Breast Cancer Screening	Included	0.927677
C02	Colorectal Cancer Screening	Included	0.743188
C03	Annual Flu Vaccine	Included	0.903184
C04	Monitoring Physical Activity	Included	0.839155
C05	Special Needs Plan (SNP) Care Management	Included	0.899492
C06	Care for Older Adults – Medication Review	Included	0.507510
C07	Care for Older Adults – Pain Assessment	Included	0.399811
C08	Osteoporosis Management in Women who had a Fracture	Included	0.861517
C09	Diabetes Care – Eye Exam	Included	0.853405
C10	Diabetes Care – Blood Sugar Controlled	Included	0.827107
C11	Controlling Blood Pressure	Included	0.786307
C12	Reducing the Risk of Falling	Included	0.830616
C13	Improving Bladder Control	Included	0.474745
C14	Medication Reconciliation Post-Discharge	Included	0.844615
C15	Plan All-Cause Readmissions	Not Included	-
C16	Statin Therapy for Patients with Cardiovascular Disease	Included	0.681168
C17	Transitions of Care	Not Included	-
C18	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	Not Included	-
C19	Getting Needed Care	Included	0.788466
C20	Getting Appointments and Care Quickly	Included	0.798595
C21	Customer Service	Included	0.736046
C22	Rating of Health Care Quality	Included	0.699480
C23	Rating of Health Plan	Included	0.877493
C24	Care Coordination	Included	0.692131
C25	Complaints about the Health Plan	Included	0.871058
C26	Members Choosing to Leave the Plan	Included	0.902728
C27	Health Plan Quality Improvement	Not Included	-
C28	Plan Makes Timely Decisions about Appeals	Included	0.715785
C29	Reviewing Appeals Decisions	Included	0.641752
C30	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.207234

Measure ID	Measure Name	Measure Usage	Correlation
D01	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.179690
D02	Complaints about the Drug Plan	Included	0.873781
D03	Members Choosing to Leave the Plan	Included	0.899679
D04	Drug Plan Quality Improvement	Not Included	-
D05	Rating of Drug Plan	Included	0.863090
D06	Getting Needed Prescription Drugs	Included	0.716532
D07	MPF Price Accuracy	Included	0.660011
D08	Medication Adherence for Diabetes Medications	Included	0.715904
D09	Medication Adherence for Hypertension (RAS antagonists)	Included	0.781854
D10	Medication Adherence for Cholesterol (Statins)	Included	0.829572
D11	MTM Program Completion Rate for CMR	Included	0.847085
D12	Statin Use in Persons with Diabetes (SUPD)	Included	0.833716

Attachment J: Star Ratings Measure History

The tables below cross-reference the measures code in each of the yearly Star Ratings releases. Measure codes that begin with DM are display measures which are posted on CMS.gov on this page: <http://go.cms.gov/partcanddstarratings>.

Table J-1: Part C Measure History

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
C	Access to Primary Care Doctor Visits	HEDIS		DMC08	DMC09	DMC09	DMC09	DMC09	DMC10	DMC10	DMC11	DMC10	DMC12	DMC12	C11	C13
C	Adult BMI Assessment	HEDIS				C07	C07	C07	C07	C07	C07	C08	C10	C10	C12	DMC05
C	Annual Flu Vaccine	CAHPS	C03	C03	C03	C03	C03	C03	C03	C03	C03	C04	C06	C06	C06	C07
C	Antidepressant Medication Management (6 months)	HEDIS	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03
C	Appropriate Monitoring of Patients Taking Long-term Medications	HEDIS							DMC04	DMC04	DMC05	DMC05	DMC05	DMC05	DMC05	C06
C	Asthma Medication Ratio	HEDIS							DMC18	DMC27						
C	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	C30	C28	C28	DME08	C31	C31	C32	C33
C	Breast Cancer Screening	HEDIS	C01	C01	C01	C01	C01	C01	C01	C01	C01	DMC22	C01	C01	C01	C01
C	Call Answer Timeliness	HEDIS									DMC02	DMC02	DMC02	DMC02	DMC02	DMC02
C	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMC06	DMC06	DMC07	DMC07	DMC07	DMC07	DMC08	DMC08	DMC09		DMC09	DMC09	DMC09	C34
C	Call Center - Calls Disconnected When Customer Calls Health Plan	Call Center Monitoring	DMC09	DMC09	DMC10	DMC10	DMC10	DMC10	DMC11	DMC11	DMC12		DMC15	DMC15		
C	Call Center – CSR Understandability	Call Center Monitoring														
C	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	C30	C28	C28	C32	C33	C34	C34	C32	C32		C36	C36	C36	C36
C	Call Center – Information Accuracy	Call Center Monitoring											DMC10	DMC10	DMC10	C35
C	Cardiac Rehabilitation – Achievement	HEDIS	DMC25	DMC29												
C	Cardiac Rehabilitation – Engagement 1	HEDIS	DMC26	DMC30												
C	Cardiac Rehabilitation – Engagement 2	HEDIS	DMC27	DMC31												
C	Cardiac Rehabilitation – Initiation	HEDIS	DMC28	DMC32												
C	Cardiovascular Care – Cholesterol Screening	HEDIS										C02	C03	C03	C03	C03
C	Care Coordination	CAHPS	C24	C22	C22	C26	C27	C28	C27	C25	C25	C28	C29	C29		

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
C	Care for Older Adults – Functional Status Assessment	HEDIS	DMC21	DMC25	DCM25	C10	C10	C10	C10	C10	C10	C11	C12	C12	C14	
C	Care for Older Adults – Medication Review	HEDIS	C06	C06	C06	C09	C09	C09	C09	C09	C09	C10	C11	C11	C13	
C	Care for Older Adults – Pain Assessment	HEDIS	C07	C07	C07	C11	C11	C11	C11	C11	C11	C12	C13	C13	C15	
C	Colorectal Cancer Screening	HEDIS	C02	C02	C02	C02	C02	C02	C02	C02	C02	C01	C02	C02	C02	C02
C	Colorectal Cancer Screening – Age 45-75	HEDIS	DMC29													
C	Complaints about the Health Plan	CTM	C25/D02	C23/D02	C23/D02	C27/D04	C28/D04	C29/D04	C28/D04	C26/D04	C26/D04	C29/D03	C30/D04	C30/D06	C31/D06	C30
C	Computer use by provider helpful	CAHPS								DMC20	DMC21	DMC20				
C	Computer use made talking to provider easier	CAHPS								DMC21	DMC22	DMC21				
C	Computer used during office visits	CAHPS								DMC19	DMC20	DMC19				
C	Continuous Beta Blocker Treatment	HEDIS	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC04	DMC04	DMC04	DMC04	DMC04	DMC04
C	Controlling Blood Pressure	HEDIS	C11	C12	DMC16	DMC16	DMC17	C16	C16	C16	C16	C18	C19	C19	C21	C19
C	Customer Service	CAHPS	C21	C19	C19	C23	C24	C25	C24	C22	C22	C25	C26	C26	C28	C27
C	Diabetes Care – Blood Sugar Controlled	HEDIS	C10	C11	C11	C15	C15	C15	C15	C15	C15	C16	C17	C17	C19	C17
C	Diabetes Care – Cholesterol Controlled	HEDIS										C17	C18	C18	C20	C18
C	Diabetes Care – Cholesterol Screening	HEDIS										C03	C04	C04	C04	C04
C	Diabetes Care – Eye Exam	HEDIS	C09	C09	C09	C13	C13	C13	C13	C13	C13	C14	C15	C15	C17	C15
C	Diabetes Care – Kidney Disease Monitoring	HEDIS		C10	C10	C14	C14	C14	C14	C14	C14	C15	C16	C16	C18	C16
C	Doctors who Communicate Well	CAHPS	DMC05	DMC05	DMC06	DMC06	DMC06	DMC06	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC08	C25
C	Engagement of Substance Use Disorder (SUD) Treatment	HEDIS	DMC13	DMC13	DMC14	DMC14	DMC14	DMC14	DMC15	DMC15	DMC16	DMC15	DMC19			
C	Enrollment Timeliness	MARx							DMC01	DMC01	DMC01	DMC01	DMC01	C37 / D05	D05	DMC03
C	Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	HEDIS	C18	DMC15	DMC17	DMC17	DMC18									

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
C	Follow-up visit after Hospital Stay for Mental Illness (within 30 days of Discharge)	HEDIS	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01
C	Getting Appointments and Care Quickly	CAHPS	C20	C18	C18	C22	C23	C24	C23	C21	C21	C24	C25	C25	C27	C26
C	Getting Needed Care	CAHPS	C19	C17	C17	C21	C22	C23	C22	C20	C20	C23	C24	C24	C26	C24
C	Glaucoma Testing	HEDIS											C05	C05	C05	C05
C	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11		
C	Health Plan Quality Improvement	Star Ratings	C27	C25	C25	C29	C30	C31	C31	C29	C29	C31	C33	C33		
C	Hospitalizations for Potentially Preventable Complications	HEDIS	DMC15	DMC14	DMC15	DMC15	DMC15	DMC15	DMC16	DMC24						
C	Improving Bladder Control	HEDIS-HOS	C13	C14	C14	C18	C18	C19	C19	DMC22	DMC23	C20	C21	C21	C23	C22
C	Improving or Maintaining Mental Health	HOS	DMC23	DMC27	DMC27	C05	C05	C05	C05	C05	C05	C06	C08	C08	C09	C10
C	Improving or Maintaining Physical Health	HOS	DMC24	DMC28	DMC28	C04	C04	C04	C04	C04	C04	C05	C07	C07	C08	C09
C	Initiation and Engagement of Substance Use Disorder (SUD) Treatment Average	HEDIS	DMC14													
C	Initiation of Substance Use Disorder (SUD) Treatment	HEDIS	DMC12	DMC12	DMC13	DMC13	DMC13	DMC13	DMC14	DMC14	DMC15	DMC14	DMC18			
C	Kidney Health Evaluation for Patients with Diabetes	HEDIS	DMC22	DMC26												
C	Medication Management for People With Asthma	HEDIS								DMC26						
C	Medication Reconciliation Post-Discharge	HEDIS	C14	C15	C15	C19	C19	C20	C20	DMC23						
C	Members Choosing to Leave the Plan	MBDSS	C26/D03	C24/D03	C24/D03	C28/D05	C29/D05	C30 / D05	C29 / D05	C27 / D05	C27 / D05	C30 / D04	C32 / D06	C32 / D08	C33 / D08	DME01
C	Monitoring Physical Activity	HEDIS-HOS	C04	C04	C04	C06	C06	C06	C06	C06	C06	C07	C09	C09	C10	C12
C	Osteoporosis Management in Women who had a Fracture	HEDIS	C08	C08	C08	C12	C12	C12	C12	C12	C12	C13	C14	C14	C16	C14
C	Osteoporosis Testing	HEDIS-HOS			DMC04	DMC04	DMC04	DMC04	DMC05	DMC05	DMC06	DMC06	DMC06	DMC06	DMC06	C11
C	Pharmacotherapy Management of COPD Exacerbation – Bronchodilator	HEDIS	DMC11	DMC11	DMC12	DMC12	DMC12	DMC12	DMC13	DMC13	DMC14	DMC13	DMC17			

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
C	Pharmacotherapy Management of COPD Exacerbation – Systemic Corticosteroid	HEDIS	DMC10	DMC10	DMC11	DMC11	DMC11	DMC11	DMC12	DMC12	DMC13	DMC12	DMC16			
C	Physical Functioning Activities of Daily Living	HOS	DMC20	DMC24												
C	Plan All-Cause Readmissions	HEDIS	C15	DMC21	DMC23	DMC23	C20	C21	C21	C19	C19	C22	C23	C23	C25	
C	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE) / Maximus	C28	C26	C26	C30	C31	C32	C32	C30	C30	C32	C34	C34	C34	C31
C	Pneumonia Vaccine	CAHPS	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC09	DMC09	DMC10	DMC09	DMC11	DMC11	C07	C08
C	Rating of Health Care Quality	CAHPS	C22	C20	C20	C24	C25	C26	C25	C23	C23	C26	C27	C27	C29	C28
C	Rating of Health Plan	CAHPS	C23	C21	C21	C25	C26	C27	C26	C24	C24	C27	C28	C28	C30	C29
C	Reducing the Risk of Falling	HEDIS-HOS	C12	C13	C13	C17	C17	C18	C18	C18	C18	C21	C22	C22	C24	C23
C	Reminders for appointments	CAHPS								DMC16	DMC17	DMC16				
C	Reminders for immunizations	CAHPS								DMC17	DMC18	DMC17				
C	Reminders for screening tests	CAHPS								DMC18	DMC19	DMC18				
C	Reviewing Appeals Decisions	Independent Review Entity (IRE) / Maximus	C29	C27	C27	C31	C32	C33	C33	C31	C31	C33	C35	C35	C35	C32
C	Rheumatoid Arthritis Management	HEDIS			C12	C16	C16	C17	C17	C17	C17	C19	C20	C20	C22	C20
C	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	C05	C05	C05	C08	C08	C08	C08	C08	C08	C09	DMC14	DMC14		
C	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	C16	C16	C16	C20	C21	C22	DMC17	DMC25						
C	Testing to Confirm Chronic Obstructive Pulmonary Disease	HEDIS	DMC04	DMC04	DMC05	DMC05	DMC05	DMC05	DMC06	DMC06	DMC07	DMC07	DMC07	DMC07	DMC07	C21
C	Transitions of Care – Average	HEDIS	C17	DMC20	DMC22	DMC22	DMC23									
C	Transitions of Care – Medication Reconciliation Post-Discharge	HEDIS	DMC16	DMC16	DMC18	DMC18	DMC19									
C	Transitions of Care – Notification of Inpatient Admission	HEDIS	DMC17	DMC17	DMC19	DMC19	DMC20									
C	Transitions of Care – Patient Engagement After Inpatient Discharge	HEDIS	DMC18	DMC18	DMC20	DMC20	DMC21									

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
C	Transitions of Care – Receipt of Discharge Information	HEDIS	DMC19	DMC19	DMC21	DMC21	DMC21	DMC22								

Table J-2: Part D Measure History

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	Notes
D	4Rx Timeliness	Acumen / OIS (4Rx)													DMD03	D07	
D	Adherence – Proportion of Days Covered	Prescription Drug Event (PDE) Data														DMD07	
D	Antipsychotic Use in Persons with Dementia	Prescription Drug Event (PDE) Data	DMD08	DMD08	DMD08	DMD12	DMD14	DMD16	DMD18								
D	Appeals Auto-Forward	Independent Review Entity (IRE) / Maximus				D02	D02	D02	D02	D02	D02	D01	D02	D03		D05	
D	Appeals Upheld	Independent Review Entity (IRE) / Maximus				D03	D03	D03	D03	D03	D03	D02	D03	D04	D04	D06	
D	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	D06	D06	D06	DME08	D05	D07	D07	D10	
D	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMD02	DMD02	DMD02	DMD04	DMD04	DMD04	DMD04	DMD04	DMD04		DMD04	DMD04	DMD05	D01	
D	Call Center – Calls Disconnected – Pharmacist	Call Center Monitoring															
D	Call Center – Calls Disconnected When Customer Calls Drug Plan	Call Center Monitoring	DMD01	DMD01	DMD01	DMD03	DMD03	DMD03	DMD03	DMD03	DMD03		DMD03	DMD03	DMD04	DMD04	
D	Call Center – CSR Understandability	Call Center Monitoring															
D	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	D01	D01	D01	D01	D01	D01	D01	D01	D01		D01	D02	D02	D04	
D	Call Center – Information Accuracy	Call Center Monitoring											DMD05	DMD05	DMD06	D03	
D	Call Center – Pharmacy Hold Time	Call Center Monitoring	DMD04	DMD04	DMD04	DMD08	DMD09	DMD09	DMD09	DMD11	DMD11		DMD15	D01	D01	D02	
D	Complaint Resolution	Complaints Tracking Module (CTM)															
D	Complaints – Enrollment	Complaints Tracking Module (CTM)														D08	
D	Complaints – Other	Complaints Tracking Module (CTM)														D09	

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	Notes
D	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	C25/ D02	C23/ D02	C23/ D02	C27 / D04	C28 / D04	C29 / D04	C28 / D04	C26 / D04	C26 / D04	C29 / D03	C30 / D04	C30 / D06	C31 / D06		
D	Diabetes Medication Dosing	Prescription Drug Event (PDE) Data															
D	Diabetes Treatment	Prescription Drug Event (PDE) Data															
D	Drug Plan Provides Current Information on Costs and Coverage for Medicare's Website	Acumen / OIT (LIS Match Rates)															
D	Drug Plan Quality Improvement	Star Ratings	D04	D04	D04	D06	D06	D06	D07	D07	D07	D05	D07	D09			
D	Drug-Drug Interactions	Prescription Drug Event (PDE) Data															
D	Enrollment Timeliness	MARx															
D	Formulary Administration Analysis	Part D Sponsor															
D	Getting Information From Drug Plan	CAHPS															
D	Getting Needed Prescription Drugs	CAHPS	D06	D06	D06	D08	D08	D08	D09	D09	D09	D07	D09	D12	D11	D13	
D	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DME02	DME02	DME02	DME02	
D	High Risk Medication	Prescription Drug Event (PDE) Data															
D	Initial Opioid Prescribing	Prescription Drug Event (PDE) Data	DMD15	DMD15													
D	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) Data	D10	D10	D10	D12	D12	D12	D13	D14	D14	D13	D15	D18	D17		
D	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) Data	D08	D08	D08	D10	D10	D10	D11	D12	D12	D11	D13	D16	D15		
D	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) Data	D09	D09	D09	D11	D11	D11	D12	D13	D13	D12	D14	D17	D16		
D	Members Choosing to Leave the Plan	MBDSS	C26/ D03	C24/ D03	C24/ D03	C28 / D05	C29 / D05	C30 / D05	C29 / D05	C27 / D05	C27 / D05	C30 / D04	C32 / D06	C32 / D08	C33 / D08	DME01	
D	MPF – Composite	PDE Data, MPF Pricing Files															

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	Notes
D	MPF – Stability	PDE Data, MPF Pricing Files	DMD03	DMD03	DMD03	DMD07	DMD08	DMD08	DMD08	DMD08	DMD08	DMD06	DMD10	DMD10			A
D	MPF – Updates	PDE Data, MPF Pricing Files											DMD09	DMD09	DMD10	DMD08	
D	MPF Price Accuracy	PDE Data, MPF Pricing Files	D07	D07	D07	D09	D09	D09	D10	D10	D10	D08	D10	D13			A
D	MTM Program Completion Rate for CMR	Prescription Drug Event (PDE) Data	D11	D11	D11	D13	D13	D13	D14	D15	D15	DMD07	DMD12	DMD12			
D	Persistence to Basal Insulin (PST-INS)	Prescription Drug Event (PDE) Data	DMD16														
D	Plan Submitted Higher Prices for Display on MPF	PDE Data, MPF Pricing Files	DMD05	DMD05	DMD05	DMD09	DMD10	DMD10	DMD10	DMD12	DMD12	DMD10	DMD16				
D	Polypharmacy: Use of Multiple Anticholinergic Medications in Older Adults (Poly-ACH)	Prescription Drug Event (PDE) Data	DMD13	DMD13	DMD13	DMD20											
D	Polypharmacy: Use of Multiple CNS-Active Medications in Older Adults (Poly-CNS)	Prescription Drug Event (PDE) Data	DMD14	DMD14	DMD14	DMD21											
D	Rate of Chronic Use of Atypical Antipsychotics by Elderly Beneficiaries in Nursing Homes	Fu Associates								DMD09	DMD09	DMD08	DMD13	DMD13			
D	Rating of Drug Plan	CAHPS	D05	D05	D05	D07	D07	D07	D08	D08	D08	D06	D08	D11	D10	D12	
D	Reminders to fill prescriptions	CAHPS	DMD06	DMD06	DMD06	DMD10	DMD11	DMD12	DMD13	DMD15	DMD15	DMD13					
D	Reminders to take medications	CAHPS	DMD07	DMD07	DMD07	DMD11	DMD12	DMD13	DMD14	DMD16	DMD16	DMD14					
D	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) Data	D12	D12	D12	D14	D14	D14	DMD15	DMD17							
D	Timely Effectuation of Appeals	Independent Review Entity (IRE) / Maximus				DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	
D	Timely Receipt of Case Files for Appeals	Independent Review Entity (IRE) / Maximus				DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	
D	Transition monitoring	Transition Monitoring Program Analysis						DMD11									D
D	Transition monitoring – failure rate for all other drugs	Transition Monitoring Program Analysis							DMD12	DMD14	DMD14	DMD12					C

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	Notes
D	Transition monitoring – failure rate for drugs within classes of clinical concern	Transition Monitoring Program Analysis							DMD11	DMD13	DMD13	DMD11					C
D	Use of Opioids at High Dosage and from Multiple Providers in Persons Without Cancer (OHDMP)	Prescription Drug Event (PDE) Data				DMD15											
D	Use of Opioids at High Dosage in Persons Without Cancer (OHD)	Prescription Drug Event (PDE) Data	DMD11	DMD11	DMD11	DMD18											
D	Use of Opioids from Multiple Providers in Persons Without Cancer (OMP)	Prescription Drug Event (PDE) Data	DMD12	DMD12	DMD12	DMD19											

Notes:

- A: Part of composite measure MPF - Composite in 2011 – 2012
B: Composite measure - combined MPF - Accuracy and MPF Stability
C: Part of composite measure Transition Monitoring - Composite starting in 2019
D: Composite Measure – “Transition monitoring - failure rate for drugs within classes of clinical concern” and “Transition monitoring - failure rate for all other drugs”

Table J-3: Common Part C & Part D Measure History

Part	Measure Name	Data Source	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
E	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	DME07	C30 / D06	C28 / D06	C28 / D06	DME08	C31 / D05	C31 / D07	C32 / D07	C33 / D10
E	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)	Disenrollment Reasons Survey	DME04	DME04	DME04	DME04	DME04	DME04	DME05	DME05	DME05	DME05				
E	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)	Disenrollment Reasons Survey	DME06	DME06	DME06	DME06	DME06	DME06	DME07	DME07	DME07	DME07				
E	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME02	DME02	DME02	DME02	DME02	DME02	DME03	DME03	DME03	DME03				
E	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME03	DME03	DME03	DME03	DME03	DME03	DME04	DME04	DME04	DME04				
E	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)	Disenrollment Reasons Survey	DME05	DME05	DME05	DME05	DME05	DME05	DME06	DME06	DME06	DME06				
E	Enrollment Timeliness	MARx							DME01	DME01	DME01	DME01	DME01	C37 / D05	D05	DMD03
E	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11		

Attachment K: Individual Measure Star Assignment Process

This attachment provides detailed information about the clustering and the relative distribution and significance testing (CAHPS) methodologies used to assign stars to individual measures.

Clustering Methodology Introduction

To separate a distribution of scores into distinct groups or categories, a set of values must be identified to separate one group from another group. The set of values that break the distribution of the scores into non-overlapping groups is the set of cut points.

For each individual measure, CMS determines the measure cut points using the information provided from the hierarchical clustering algorithm in SAS, described in “Clustering Methodology Detail” below. Conceptually, the clustering algorithm identifies the natural gaps that exist within the distribution of the scores and creates groups (clusters) that are then used to identify the cut points that result in the creation of a pre-specified number of categories.

For Star Ratings, the algorithm is run with the goal of determining the four cut points (labeled in the Figure J-1 below as A, B, C, and D) that are used to create the five non-overlapping groups that correspond to each of the Star Ratings (labeled in the diagram below as G1, G2, G3, G4, and G5). For Part D measures, CMS determines MA-PD and PDP cut points separately. Data identified to be biased, erroneous, or excluded by disaster rules are removed from the algorithm. The scores are grouped such that scores within the same Star Rating category are as similar as possible, and scores in different categories are as different as possible.

Figure K-1: Diagram showing gaps in data where cut points are assigned.



As mentioned, the cut points are used to create five non-overlapping groups. The value of the lower bound for each group is included in the category, while the value of the upper bound is not included in the category. CMS does not require the same number of observations (contracts) within each group. The groups are identified such that within a group the measure scores must be similar to each other and between groups, the measure scores in one group are not similar to measure scores in another group. The groups are then used for the conversion of the measure scores to one of five Star Ratings categories. For most measures, a higher score is better, and thus, the group with the highest range of measure scores is converted to a rating of five stars. An example of a measure for which higher is better is *Medication Adherence for Diabetes Medications*. For some measures a lower score is better, and thus, the group with the lowest range of measure scores is converted to a rating of five stars. An example of a measure for which a lower score is better is *Members Choosing to Leave the Plan*.

Example 1 – Clustering Methodology for a Higher is Better measure

Consider the information provided for the cut points for *Medication Adherence for Diabetes Medications* in Table K-1 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately (e.g., different cut points are calculated for MA-PD and PDPs). If the MA-PD cut points identified using the clustering algorithm are 80%, 85%, 87%, and 91%; for PDPs, the cut points are 84%, 86%, 88%, and 90%. (The set of values corresponds to the cut points in figure J-2 below as A, B, C, and D and the categories for each of the five Star Ratings are indicated above each group.) Since a measure score can only assume a value between 0% and 100% (including 0% and 100%), the one-star and five-star categories contain only a single value in the table below as the upper or lower bound.

Table K-1: Medication Adherence for Diabetes Medications cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	less than 80%	80% to less than 85%	85% to less than 87%	87% to less than 91%	greater than or equal to 91%
PDP	less than 84%	84% to less than 86%	86% to less than 88%	88% to less than 90%	greater than or equal to 90%

Figure K-2: Diagram showing star assignment based cut points.



Since higher is better for *Medication Adherence for Diabetes Medications*, a rating of one star is assigned to all MA-PD measure scores below 80% in this example. For each of the other Star Rating categories, the value of the lower bound is included in the rating category, while the upper bound value is not included. Focusing solely on the cut points for MA-PDs, a rating of two stars is assigned to each measure score that is at least 80% (the first cut point) to less than 85% (the second cut point) in this example. Since measure scores are reported as percentages with no decimal places, any measure score of 80% to 84% would be assigned two stars, while a measure score of 85% would be assigned a rating of three stars. Measure scores that are at least 85% to less than 87% would be assigned a rating of three stars. For a conversion to four stars, a measure score of at least 87% to less than 91% would be needed. A rating of five stars would be assigned to any measure score of 91% or more. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Example 2 – Clustering Methodology for a Lower is Better measure

Consider the information provided for the cut points for *Members Choosing to Leave the Plan* in Table K-2 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately. In the example, the MA-PD cut points for *Members Choosing to Leave the Plan* determined using the clustering algorithm are 44%, 29%, 16%, and 9%; for PDPs, the cut points are 20%, 13%, 19%, and 6%. (These correspond to the cut points in figure J-3 as A, B, C, and D).

Since lower is better for this measure, the five-star category will have the lowest measure score range, while the one-star category will have scores that are highest in value. For each of the other Star Rating categories, the value of the lower bound is not included in the rating category, while the upper bound value is included. (The inclusivity and exclusivity of the upper and lower bounds is opposite for a measure score where lower is better as compared to higher is better.) For MA-PDs, a rating of five stars would be assigned to measure scores of 9% or less. Measure scores that are greater than 9% up to a maximum value of 16% (including a measure score of 16%) would be assigned a rating of four stars. A rating of three stars would be assigned to measure scores greater than 16% up to a maximum value of 29%. A rating of two stars would be assigned to a measure score that is greater than 29% up to and including 44%. A rating of one star would be assigned to any measure score greater than 44%. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Table K-2: Members Choosing to Leave the Plan cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	greater than 44%	greater than 29% to 44%	greater than 16% to 29%	greater than 9% to 16%	less than or equal to 9%
PDP	greater than 20%	greater than 13% to 20%	greater than 9% to 13%	greater than 6% to 9%	less than or equal to 6%



Clustering Methodology Detail

This section details the steps of the clustering method performed in SAS to allow the conversion of the measure scores to measure-level stars.

Tukey outlier deletion is used to determine the cut points for all non-CAHPS measures. Tukey outlier deletion involves removing Tukey outer fence outlier contract scores, those defined as measure-specific scores outside the bounds of 3.0 times the measure-specific interquartile range subtracted from the 1st quartile or added to the 3rd quartile. Outliers are removed prior to applying mean resampling to the hierarchical clustering algorithm. The 1st and 3rd quartiles can be obtained by using the MEANS procedure in SAS. The Tukey outer fence outlier cutoffs can then be calculated as:

- Lower outlier cutoff: first quartile – 3.0*(third quartile – first quartile).
- Upper outlier cutoff: third quartile + 3.0*(third quartile – first quartile).

Measures with data displays of percentages with no decimal places ranging from 0 to 100 will have the lower and upper outlier cutoffs capped at those values, respectively. Any other measures with range restrictions, such as have a lower bound of zero, will have the respective outlier cutoff capped at the restricted value.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are separated into 10 equal-sized groups, using a random assignment process to assign each contract's measure score to a group. The random assignment of contracts into 10 groups can be produced using the SURVEYSELECT procedure in SAS as follows:

```
proc surveyselect data=inclusterdat groups=10 seed=8675309 out=inclusterdat_random;
run;
```

In the above code, the input dataset, *inclusterdat*, is the list of contracts without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. The *group=10* option identifies that 10 random groupings of the data should be created. The *seed=8675309* option specifies the seed value that controls the starting point of the random sequence of numbers and allows for future replication of the randomization process. The output dataset, *inclusterdat_random*, is identical to the input dataset with the addition of a new column, named *groupid*, that has the group assignments (from 1 through 10) for each contract. The hierarchal clustering algorithm (steps 1 through 4 below) is then applied 10 times, each time leaving out one of the 10 groups. For each measure and leave-one-out contract set, the clustering method does the following:

- Produces the individual measure distance matrix.
- Groups the measure scores into an initial set of clusters.
- Selects the set of clusters.

1. Produce the individual measure distance matrix.

For each pair of contracts *j* and *k* (*j* ≥ *k*) among the *n* contracts with measure score data, compute the Euclidian distance of their measure scores (e.g., the absolute value of the difference between the two

measure scores). Enter this distance in row *j* and column *k* of a distance matrix with *n* rows and *n* columns. This matrix can be produced using the DISTANCE procedure in SAS as follows:

```
proc distance data= inclusterdat_ leave1out out=distancedat method=Euclid;
    var interval(measure_score);
    id contract_id;
run;
```

In the above code, the input data set, *inclusterdat_ leave1out*, is the list of contracts (excluding the group left out) without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. Each record has a unique contract identifier, *contract_id*. The option *method=Euclid* specifies that distances between contract measure scores should be based on Euclidean distance. The input data contain a variable called *measure_score* that is formatted to the display criteria outlined in the Technical Notes. In the *var* call, the parentheses around *measure_score* indicate that *measure_score* is considered to be an interval or numeric variable. The distances computed by this code are stored to an output data set called *distancedat*.

2. Create a tree of cluster assignments.

The distance matrix calculated in Step 1 is the input to the clustering procedure. The stored distance algorithm is implemented to compute cluster assignments. The following process is implemented by using the CLUSTER procedure in SAS:

- The input measure score distances are squared.
- The clusters are initialized by assigning each contract to its own cluster.
- In order to determine which pair of clusters to merge, Ward's minimum variance method is used to separate the variance of the measure scores into within-cluster and between-cluster sum of squares components.
- From the existing clusters, two clusters are selected for merging to minimize the within-cluster sum of squares over all possible sets of clusters that might result from a merge.
- Steps 3 and 4 are repeated to reduce the number of clusters by one until a single cluster containing all contracts results.

The result is a data set that contains a tree-like structure of cluster assignments, from which any number of clusters between 1 and the number of contract measure scores could be computed. The SAS code for implementing these steps is:

```
proc cluster data=distancedat method=ward outtree=treedat noprint;
    id contract_id;
run;
```

The *distancedat* data set containing the Euclidian distances was created in Step 1. The option *method=ward* indicates that Ward's minimum variance method should be used to group clusters. The output data set is denoted with the *outtree* option and is called *treedat*.

3. Select the final set of clusters from the tree of cluster assignments.

The process outlined in Step 2 will produce a tree of cluster assignments, from which the final number of clusters is selected using the TREE procedure in SAS as follows:

```
proc tree data=treedat ncl=NSTARS horizontal out=outclusterdat noprint;
    id contract_id;
```

The input data set, treedat, is created in Step 2 above. The syntax, ncl=NSTARS, denotes the desired final number of clusters (or star levels). For most measures, NSTARS= 5. In cases where multiple clusters have the same score value range those clusters are combined, leading to fewer than 5 clusters. Since the improvement measures have a constraint that contracts with improvement scores of zero or greater are to be assigned at least 3 stars for improvement, the clustering is conducted separately for contract measure scores that are greater than or equal to zero versus those that are less than zero. Specifically, Steps 1-3 are first applied to contracts with improvement scores that meet or exceed zero, in which case NSTARS equals three. The resulting improvement measure stars can take on values of 3, 4, or 5. For those contracts with improvement scores less than zero, Steps 1-3 are applied with NSTARS=2 and these contracts will either receive 1 or 2 stars.

4. Final Thresholds

The cluster assignments produced by the above approach have cluster labels that are unordered. The final step after applying the above steps to all contract measure scores is to order the cluster labels so that the 5-star category reflects the cluster with the best performance and the 1-star category reflects the cluster with the worst performance. With the exception of the improvement measures which are assigned lower thresholds of zero for the 3-star category, the measure thresholds are defined by examining the range of measure scores within each of the final clusters. The lower limit of each cluster becomes the cut point for the star categories.

Determining Stars from Scores and Thresholds

The mean-resampling approach results in 10 sets of measure-specific cut points, one for each of the 10 implementations of the hierarchical clustering algorithm. For higher-is-better measures, the minimum score observed in each star category defines the effective cut points for the star categories. For lower-is-better measures, the maximum score observed in each star category defines the effective cut points for the star categories. These cut points are calculated after the application of Tukey outlier deletion. The final set of estimated thresholds are then calculated as the mean cut point for each threshold per measure from the 10 different cut point values. Tables K-3 and K-4 show the mean resampling final estimated thresholds for the 2024 Star Ratings. Tables K-5 and K-6 show the upper and lower Tukey outlier cutoffs.

Table K-3: 2024 Star Ratings Part C non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
C01	less than 52%	52% to less than 63%	63% to less than 71%	71% to less than 79%	greater than or equal to 79%
C02	less than 48%	48% to less than 60%	60% to less than 71%	71% to less than 80%	greater than or equal to 80%
C04	less than 42%	42% to less than 48%	48% to less than 53%	53% to less than 58%	greater than or equal to 58%
C05	less than 42%	42% to less than 55%	55% to less than 74%	74% to less than 85%	greater than or equal to 85%
C06	less than 72%	72% to less than 84%	84% to less than 93%	93% to less than 98%	greater than or equal to 98%
C07	less than 74%	74% to less than 83%	83% to less than 91%	91% to less than 96%	greater than or equal to 96%
C08	less than 28%	28% to less than 39%	39% to less than 50%	50% to less than 60%	greater than or equal to 60%
C09	less than 53%	53% to less than 65%	65% to less than 73%	73% to less than 81%	greater than or equal to 81%
C10	less than 57%	57% to less than 72%	72% to less than 80%	80% to less than 87%	greater than or equal to 87%
C11	less than 58%	58% to less than 68%	68% to less than 74%	74% to less than 82%	greater than or equal to 82%
C12	less than 47%	47% to less than 53%	53% to less than 60%	60% to less than 70%	greater than or equal to 70%
C13	less than 38%	38% to less than 42%	42% to less than 47%	47% to less than 51%	greater than or equal to 51%
C14	less than 31%	31% to less than 51%	51% to less than 68%	68% to less than 82%	greater than or equal to 82%
C15	greater than 13%	greater than 11% to 13%	greater than 10% to 11%	greater than 8% to 10%	less than or equal to 8%
C16	less than 79%	79% to less than 84%	84% to less than 86%	86% to less than 90%	greater than or equal to 90%
C17	less than 40%	40 % to less than 52 %	52% to less than 64%	64% to less than 78%	greater than or equal to 78%
C18	less than 44%	44% to less than 53%	53% to less than 60%	60% to less than 68%	greater than or equal to 68%
C25	greater than 1	greater than 0.6 to 1	greater than 0.33 to 0.6	greater than 0.14 to 0.33	less than or equal to 0.14
C26	greater than 41%	greater than 29% to 41%	greater than 18% to 29%	greater than 10% to 18%	less than or equal to 10%
C27	less than - 0.246067	-0.246067 to less than 0	0 to less than 0.173502	0.173502 to less than 0.393451	greater than or equal to 0.393451
C28	less than 77%	77% to less than 86%	86% to less than 94%	94% to less than 98%	greater than or equal to 98%
C29	less than 87%	87% to less than 92%	92% to less than 96%	96% to less than 100%	greater than or equal to 100%
C30	less than 87%	87% to less than 90%	90% to less than 94%	94% to less than 97%	greater than or equal to 97%

Notes: These are not the final thresholds for the 2024 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Table K-4: 2024 Star Ratings Part D non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
D01	MA-PD	less than 85%	85% to less than 91%	91% to less than 96%	96% to less than 99%	greater than or equal to 99%
D01	PDP	less than 95%	95% to less than 97%	97% to less than 98%	98% to less than 100%	greater than or equal to 100%
D02	MA-PD	greater than 1	less than 0.6 to 1	greater than 0.33 to 0.6	greater than 0.14 to 0.33	less than or equal to 0.14
D02	PDP	greater than 0.12	greater than 0.08 to 0.12	greater than 0.05 to 0.08	greater than 0.02 to 0.05	less than or equal to 0.02
D03	MA-PD	greater than 41%	greater than 29% to 41%	greater than 18% to 29%	greater than 10% to 18%	less than or equal to 10%
D03	PDP	greater than 25%	greater than 17% to 25%	greater than 11% to 17%	greater than 7% to 11%	less than or equal to 7%
D04	MA-PD	less than -0.253472	-0.253472 to less than 0	0 to less than 0.193739	0.193739 to less than 0.458889	greater than or equal to 0.458889
D04	PDP	less than -0.123026	-0.123026 to less than 0	0 to less than 0.214538	0.214538 to less than 0.401223	greater than or equal to 0.401223
D07	MA-PD	less than 94	94 to less than 96	96 to less than 98	98 to less than 99	greater than or equal to 99
D07	PDP	less than 96	96 to less than 97	97 to less than 98	98 to less than 99	greater than or equal to 99
D08	MA-PD	less than 80%	80% to less than 84%	84% to less than 88%	88% to less than 90%	greater than or equal to 90%
D08	PDP	less than 84%	84% to less than 87%	87% to less than 89%	89% to less than 93%	greater than or equal to 93%
D09	MA-PD	less than 82%	82% to less than 86%	86% to less than 89%	89% to less than 91%	greater than or equal to 91%
D09	PDP	less than 87%	87% to less than 89%	89% to less than 91%	91% to less than 94%	greater than or equal to 94%
D10	MA-PD	less than 82%	82% to less than 86%	86% to less than 88%	88% to less than 91%	greater than or equal to 91%
D10	PDP	less than 84%	84% to less than 87%	87% to less than 89%	89% to less than 93%	greater than or equal to 93%
D11	MA-PD	less than 67%	67% to less than 77%	77% to less than 85%	85% to less than 92%	greater than or equal to 92%
D11	PDP	less than 34%	34% to less than 52%	52% to less than 63%	63% to less than 77%	greater than or equal to 77%
D12	MA-PD	less than 81%	81% to less than 86%	86% to less than 88%	88% to less than 92%	greater than or equal to 92%
D12	PDP	less than 81%	81% to less than 83%	83% to less than 85%	85% to less than 87%	greater than or equal to 87%

Notes: These are not the final thresholds for the 2024 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Table K-5: 2024 Star Ratings Part C non-CAHPS Measure Tukey Outlier Cutoffs

Measure ID	Lower Cutoff	Upper Cutoff
C01	30	100
C02	26	100
C04	25	74
C05	0	100
C06	59	100
C07	57	100
C08	0	100
C09	27	100
C10	38	100
C11	38	100
C12	27	83
C13	24	66
C14	0	100
C15	4	18
C16	71	99
C17	0	100
C18	28	84
C25	0	1.41
C26	0	87.5
C27 (improve)	0	0.807245
C27 (decline)	-0.726192	0
C28	70	100
C29	78	100
C30	82	100

Notes: If the calculated lower or upper outer fence exceeds the minimum or maximum range of the measure, then the minimum or maximum measure score is shown in the table. This means that no outliers were identified at that end of the measure score range. For C27 (decline) group, the upper cut off is technically the lowest value below zero since zero is included in the C27 (improved) group.

Table K-6: 2024 Star Ratings Part D non-CAHPS Measure Tukey Outlier Cutoffs

Measure ID	Type	Lower Cutoff	Upper Cutoff
D01	MA-PD	74	100
D02	MA-PD	0	1.41
D03	MA-PD	0	87.5
D04 (improve)	MA-PD	0	1.297044
D04 (decline)	MA-PD	-0.7343755	0
D07	MA-PD	91	105
D08	MA-PD	72	100
D09	MA-PD	74	100
D10	MA-PD	73	100
D11	MA-PD	53	100
D12	MA-PD	68	100
D01	PDP	86	100
D02	PDP	0	0.26
D03	PDP	0	62
D04 (improve)	PDP	0	0.96875
D04 (decline)	PDP	-1.130433	0
D07	PDP	94	101
D08	PDP	76	97
D09	PDP	80	97.5
D10	PDP	77	98
D11	PDP	0	100
D12	PDP	72	93

Note: If the calculated lower or upper outer fence exceeds the minimum or maximum range of the measure, then the minimum or maximum measure score is shown in the table. This means that no outliers were identified at that end of the measure score range. For D04 (decline) group, the upper cut off is technically the lowest value below zero since zero is included in the D04 (improved) group.

Guardrails are then applied to all non-CAHPS measures, with a few exceptions. Guardrails are not applied to the Part C and Part D improvement measures. Additionally, guardrails are not applied to new measures that have been in the Part C and D Star Rating program for 3 years or less. Cut points for these new measures and improvement measures are based on the hierarchical clustering methodology with mean resampling. When applying guardrails, the difference between the current year and prior year's cut point is calculated for each of the 1 to 5 star levels. A cap value is then calculated and compared to the observed threshold difference.

- For measures having a 0 to 100 scale, an absolute percentage cap of 5 percentage point is applied.
 - If the absolute difference between the current and prior year's cut point is less than or equal to 5 percentage points, the current year's cut point is used as the final cut point value.
 - If the absolute difference between the current and prior year's cut point is greater than 5 percentage points, a 5 percentage point cap is applied. That is, 5 percentage points are added to or subtracted

from the prior year's cut point value (depending on the direction of movement for the cut point value in the current year) to obtain the final cut point value for the current year.

- For measures not having a 0 to 100 scale, a restricted range cap of 5 percent of the prior year's score range is applied. Specifically, the restricted range cap is equal to the prior year's (maximum score value – minimum score value) * 0.05.
 - If the absolute difference between the current and prior year's is less than or equal to the calculated restricted range cap value, the current year's cut point is used as the final cut point value.
 - If the absolute difference between the current and prior year's is greater than the calculated restricted range cap value, then the restricted range cap is applied. That is, the calculated restricted range cap value is added to or subtracted from the prior year's cut point value (depending on the direction of the movement of the cut point value in the current year) to obtain the final cut point value for the current year.

When we proposed and finalized Tukey outlier deletion in the 2021 final rule (CMS–4190–F), we described that in the first year of adding Tukey outlier deletion, the prior year's thresholds would be rerun, including mean resampling and Tukey outer fence deletion so that the guardrails would be applied such that there is consistency between the years. For the purposes of calculating the guardrails for the 2024 Star Ratings, the 2023 Star Ratings cut points were rerun including mean resampling, Tukey outlier deletion and no guardrails. These rerun 2023 Star Ratings cut points serve as the basis for applying the guardrails for the 2024 Star Ratings and are shown in Tables K-7 and K-8.

Table K-7: 2023 Star Ratings Part C Mean Resampling and Tukey Outlier Deletion Non-CAHPS Measure Thresholds

Measure ID	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
C01	less than 50%	50% to less than 63%	63% to less than 71%	71% to less than 76%	greater than or equal to 76%
C02	less than 55%	55% to less than 66%	66% to less than 74%	74% to less than 81%	greater than or equal to 81%
C04	less than 44%	44% to less than 49%	49% to less than 53%	53% to less than 57%	greater than or equal to 57%
C05	less than 46%	46% to less than 62%	62% to less than 75%	75% to less than 85%	greater than or equal to 85%
C06	less than 73%	73% to less than 82%	82% to less than 91%	91% to less than 96%	greater than or equal to 96%
C07	less than 73%	73% to less than 83%	83% to less than 89%	89% to less than 95%	greater than or equal to 95%
C08	less than 34%	34% to less than 47%	47% to less than 60%	60% to less than 76%	greater than or equal to 76%
C09	less than 47%	47% to less than 61%	61% to less than 71%	71% to less than 79%	greater than or equal to 79%
C10	less than 63%	63% to less than 72%	72% to less than 80%	80% to less than 86%	greater than or equal to 86%
C12	less than 46%	46 % to less than 53 %	53% to less than 60%	60% to less than 69%	greater than or equal to 69%
C13	less than 39%	39 % to less than 43 %	43% to less than 48%	48% to less than 53%	greater than or equal to 53%
C14	less than 43%	43 % to less than 57 %	57% to less than 69%	69% to less than 82%	greater than or equal to 82%
C16	less than 79%	79% to less than 84%	84% to less than 86%	86% to less than 89%	greater than or equal to 89%
C25	greater than 0.68	greater than 0.68 to 0.43	greater than 0.43 to 0.25	greater than 0.25 to 0.12	less than or equal to 0.12
C26	less than 37%	37% to less than 24%	24% to less than 15%	15% to less than 7%	greater than or equal to 7%
C28	less than 89%	89% to less than 93%	93% to less than 97%	97% to less than 100%	equal to 100%
C29	less than 84%	84% to less than 90%	90% to less than 95%	95% to less than 98%	greater than or equal to 98%
C30	less than 67%	67% to less than 78%	78% to less than 87%	87% to less than 94%	greater than or equal to 94%

Table K-8: 2023 Star Ratings Part D Mean Resampling and Tukey Outlier Deletion Non-CAHPS Measure Thresholds

Measure ID	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
D01	MA-PD	less than 68%	68% to less than 81%	81% to less than 91%	91% to less than 97%	greater than or equal to 97%
D01	PDP	less than 86%	86% to less than 92%	92% to less than 97%	97% to less than 100%	equal to 100%
D02	MA-PD	greater than 0.68	greater than 0.68 to 0.43	greater than 0.43 to 0.25	greater than 0.25 to 0.12	less than or equal to 0.12
D02	PDP	greater than 0.15	greater than 0.15 to 0.1	greater than 0.1 to 0.07	greater than 0.07 to 0.03	less than or equal to 0.03
D03	MA-PD	greater than 37%	greater than 37% to 24%	greater than 24% to 15%	greater than 15 % to 7%	less than or equal to 7%
D03	PDP	greater than 18%	greater than 18% to 13%	greater than 13% to 9%	greater than 9% to 5%	less than or equal to 5%
D08	MA-PD	less than 81%	81% to less than 85%	85% to less than 88%	88% to less than 92%	greater than or equal to 92%
D08	PDP	less than 84%	84% to less than 86%	86% to less than 88%	88% to less than 90%	greater than or equal to 90%
D09	MA-PD	less than 83%	83% to less than 86%	86% to less than 89%	89% to less than 91%	greater than or equal to 91%
D09	PDP	less than 86%	86% to less than 88%	88% to less than 89%	89% to less than 91%	greater than or equal to 91%
D10	MA-PD	less than 81%	81% to less than 85%	85% to less than 88%	88% to less than 92%	greater than or equal to 92%
D10	PDP	less than 86%	86% to less than 87%	87% to less than 88%	88% to less than 90%	greater than or equal to 90%
D11	MA-PD	less than 68%	68% to less than 78%	78% to less than 84 %	84% to less than 91%	greater than or equal to 91%
D11	PDP	less than 34%	34% to less than 49%	49% to less than 62%	62% to less than 78%	greater than or equal to 78%
D12	MA-PD	less than 80%	80% to less than 84%	84% to less than 86%	86% to less than 90%	greater than or equal to 90%
D12	PDP	less than 80%	80% to less than 82%	82% to less than 84%	84% to less than 86%	greater than or equal to 86%

Relative Distribution and Significance Testing (CAHPS) Methodology

The CAHPS measures are case-mix adjusted to take into account differences in the characteristics of enrollees across contracts that may potentially impact survey responses. See [Attachment A](#) for the case-mix adjusters. The percentile cut points for base groups are defined by current-year distribution of case-mix adjusted contract means. Percentile cut points are rounded to the nearest integer on the 0-100 reporting scale, and each base group includes those contracts whose rounded mean score is at or above the lower limit and below the upper limit. The number of stars assigned is determined by the position of the contract mean score relative to percentile cutoffs from the distribution of contract weighted mean scores from all contracts (which determines the base group); statistical significance of the difference of the contract mean from the national mean along with the direction of the difference; the statistical reliability of the estimate (based on the ratio of sampling variation for each contract mean to between-contract variation); and the standard error of the mean score. All statistical tests, including comparisons involving standard errors, are computed using unrounded scores.

CAHPS reliability calculation details are provided under the section header, “MA & PDP CAHPS Between-Contract Variances for Reported Measures” at <https://www.ma-pdpcahps.org/en/scoring-and-star-ratings>. Tables K-9 and K-10 contain the rules applied to determine the final CAHPS measure star value.

Table K-9: CAHPS Star Assignment Rules

Star	Criteria for Assigning Star Ratings
1	A contract is assigned one star if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is lower than the 15 th percentile; AND (b) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) below the 15 th percentile.
2	A contract is assigned two stars if it does not meet the one-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is lower than the 30 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is lower than the 15 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score and below the 60 th percentile.
3	A contract is assigned three stars if it meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 30 th percentile and lower than the 60 th percentile, AND it is not statistically significantly different from the national average CAHPS measure score; OR (b) its average CAHPS measure score is at or above the 15 th percentile and lower than the 30 th percentile, AND the reliability is low, AND the score is not statistically significantly lower than the national average CAHPS measure score; OR (c) its average CAHPS measure score is at or above the 60 th percentile and lower than the 80 th percentile, AND the reliability is low, AND the score is not statistically significantly higher than the national average CAHPS measure score.
4	A contract is assigned four stars if it does not meet the five-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 60 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is at or above the 80 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score and above the 30 th percentile.
5	A contract is assigned five stars if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is at or above the 80 th percentile; AND (b) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) above the 80 th percentile.

Table K-10: CAHPS Star Assignment Alternate Representation

Mean Score	Base Group	Signif. below avg., low reliability	Signif. below avg., not low reliability	Not signif. diff. from avg., low reliability	Not signif. diff. from avg., not low reliability	Signif. above avg., low reliability	Signif. above avg., not low reliability
less than 15 th percentile by greater than 1 SE	1	1	1	2	2	2	2
less than 15 th percentile by less than or equal to 1 SE		2	1	2	2	2	2
greater than or equal to 15 th to less than 30 th percentile	2	2	2	3	2	3	2
greater than or equal to 30 th to less than 60 th percentile	3	2	2	3	3	4	4
greater than or equal to 60 th to less than 80 th percentile	4	3	4	3	4	4	4
greater than or equal to 80 th percentile by less than or equal to 1 SE	5	4	4	4	4	4	5
greater than or equal to 80 th percentile by greater than 1 SE		4	4	4	4	5	5

Notes: If reliability is very low (<0.60), the contract does not receive a Star Rating. Low reliability scores are defined as those with at least 11 respondents and reliability ≥ 0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. The SE is considered when the measure score is below the 15th percentile (in base group 1), significantly below average, and has low reliability: in this case, 1 star is assigned if and only if the measure score is at least 1 SE below the unrounded base group 1/2 cut point. Similarly, the SE is considered when the measure score is at or above the 80th percentile (in base group 5), significantly above average, and has low reliability: in this case, 5 stars are assigned if and only if the measure score is at least 1 SE above the unrounded base group 4/5 cut point.

For example, a contract in base group 4 that was not significantly different from average and had low reliability would receive 3 final stars.

As noted above, low reliability scores for CAHPS measures are defined as those with at least 11 respondents and reliability ≥ 0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. Table K-11 contains the 12% reliability cutoffs.

Table K-11: CAHPS Measure 12% Reliability Cutoffs

Measure	12% Reliability Cutoff
Annual Flu Vaccine	0.853836*
Getting Needed Care	0.751402*
Getting Appointments and Care Quickly	0.722606
Customer Service	0.634544
Rating of Health Care Quality	0.655488
Rating of Health Plan	0.828638*
Care Coordination	0.636025
Rating of Drug Plan (MA-PD)	0.787018*
Getting Needed Prescription Drugs (MA-PD)	0.628637
Rating of Drug Plan (PDP)	0.950305*
Getting Needed Prescription Drugs (PDP)	0.833025*

*Note: Reliabilities must be ≥ 0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability to be designated as low reliability, thus these cutoffs did not affect low reliability designation.

Part D sponsors currently have access to monthly Patient Safety Reports via the Patient Safety Analysis Web Portal to compare their performance to overall rates and monitor their progress in improving the Part D patient safety measures over time. Sponsors may use the website to view and download the reports for performance monitoring.

Report User Guides are available on the Patient Safety Analysis Web Portal under Help Documents and provide detailed information about the measure calculations and reports. The following information is an excerpt from the Adherence Measures Report Guide (Appendices A and B) and illustrates the days covered calculation and the modification for inpatient stays and skilled nursing facility stays.

Proportion of Days Covered Calculation

In calculating the Proportion of Days Covered (PDC), we first count the number of days the patient was “covered” by at least one drug in the target drug class. The number of days is based on the prescription fill date and days’ supply. PDC is calculated by dividing the number of covered days by the number of days in the measurement period. Both of these numbers may be adjusted for IP/SNF stays, as described in the ‘Calculating the PDC Adjustment for IP Stays and SNF Stays’ section that follows.

Example 1: Non-Overlapping Fills of Two Different Drugs

In this example, a beneficiary fills Benazepril and Captopril, two drugs in the RAS antagonist hypertension target drug class. The covered days do not overlap, meaning the beneficiary filled the Captopril prescription after the days’ supply for the Benazepril medication ended.

Table L-1: No Adjustment

	January		February		March	
	1/1/2022	1/16/2022	2/1/2022	2/16/2022	3/1/2022	3/16/2022
Benazepril	15	16	15	13		
Captopril					15	16

PDC Calculation

Covered Days: 90

Measurement Period: 90

PDC: 90/90 = 100%

Example 2: Overlapping Fills of the Same Generic Ingredient across Single and Combination Products

In this example, a beneficiary fills a drug with the same target generic ingredient prior to the end of the days’ supply of the first fill. In rows one and two, there is an overlap between a single and combination drug product, both containing Lisinopril. For this scenario, the overlapping days are shifted because the combination drug product includes the targeted generic ingredient. An adjustment is made to the PDC to account for the overlap in days covered.

In rows two and three, there is an overlap between two combination drug products, both containing Hydrochlorothiazide. However, Hydrochlorothiazide is not a RAS antagonist or targeted generic ingredient, so this overlap is not shifted.

Table L-2: Before Overlap Adjustment

	January		February		March	
	1/1/2022	1/16/2022	2/1/2022	2/16/2022	3/1/2022	3/16/2022
Lisinopril	15	16				
Lisinopril & HCTZ		16	15			
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 59

Measurement Period: 90

PDC: 59/90 = 66%

Table L-3: After Overlap Adjustment

	January		February		March	
	1/1/2022	1/16/2022	2/1/2022	2/16/2022	3/1/2022	3/16/2022
Lisinopril	15	16				
Lisinopril & HCTZ			15	13	3	
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 62

Measurement Period: 90

PDC: 62/90 = 69%

Example 3: Overlapping Fills of the Same and Different Target Drugs

In this example, a beneficiary is refilling both Lisinopril and Captopril. When a single and combination product both containing Lisinopril overlap, there is an adjustment to the PDC. When Lisinopril overlaps with Captopril, we do not make any adjustment to the days covered.

Table L-4: Before Overlap Adjustment

	January		February		March		April	
	1/1/2022	1/16/2022	2/1/2022	2/16/2022	3/1/2022	3/16/2022	4/1/2022	4/16/2022
Lisinopril	15	16						
Lisinopril & HCTZ		16	15					
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 92

Measurement Period: 120

PDC: 92/120: 77%

Table L-5: After Overlap Adjustment

	January		February		March		April	
	1/1/2022	1/16/2022	2/1/2022	2/16/2022	3/1/2022	3/16/2022	4/1/2022	4/16/2022
Lisinopril	15	16						
Lisinopril & HCTZ			15	13	3			
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 105

Measurement Period: 120

PDC: 105/120: 88%

PDC Adjustment for Inpatient, and Skilled Nursing Facility Stays Examples

In response to Part D sponsor feedback, CMS modified the PDC calculation, starting with the 2013 Star Ratings (using 2011 PDE data) to adjust for beneficiary stays in inpatient (IP) facilities, and with the 2015 Star Ratings (using 2013 PDE data) to also adjust for hospice enrollments and beneficiary stays in skilled nursing facilities (SNF). These adjustments account for periods that the Part D sponsor would not be responsible for providing prescription fills for targeted medications or more accurately reflect drugs covered under the hospice benefit or waived through the beneficiary's hospice election; thus, their medication fills during an IP or SNF stay or during hospice enrollment would not be included in the PDE claims used to calculate the Patient Safety adherence measures.

The PDC modification for IP stays, hospice enrollments, and SNF stays reflects this situation. Please note that while this modification will enhance the adherence measure calculation, extensive testing indicates that most Part D contracts will experience a negligible impact on their adherence rates. On average, the 2011 adherence rates increased 0.4 to 0.6 percentage points due to the inpatient stay adjustment, and the adjustment may impact the rates positively or negatively.

The hospice and SNF adjustments were tested on 2013 PDE data and overall increased the rates by 0.13 to 0.15 percentage points and 0.29 to 0.35 percentage points, respectively. Hospice information from the Medicare Enrollment Database (EDB) and inpatient claims from the Common Working File (CWF) are available for both PDPs and MA-PDs. SNF claims from the CWF have been used to adjust the SNF PDC adjustments for PDPs. Starting in the 2019 measurement year, when available for MA-PDs in the CWF, adjust the SNF PDC adjustments. Additionally, starting in 2019 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries. Additionally, starting in 2020 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries.

Note: Hospice enrollment is no longer a PDC adjustment but rather an exclusion starting with the 2020 Star Ratings (2018 YOS).

Calculating the PDC Adjustment for IP Stays and SNF Stays

The PDC modification for IP stays and SNF stays is based on two assumptions: 1) a beneficiary receives their medications through the facility during the IP or SNF stay, and 2) if a beneficiary accumulates an extra supply of their Part D medication during an IP stay or SNF stay, that supply can be used once he/she returns home. The modification is applied using the steps below:

- Identify start and end dates of relevant types of stays for beneficiaries included in adherence measures. The discharge date is included in the PDC adjustment.
 - Use IP claims from the CWF to identify IP stays, and when available for MA-PDs.
 - Use SNF claims from the CWF for PDPs, and when available for MA-PD beneficiaries, for SNF PDC adjustments. (1) Use SNF claims from the CWF with either a positive or negative paid amount with Medicare utilization days to identify Medicare Part A covered SNF stays. (2) Use SNF claims from the CWF with a condition code 04 (Beneficiary enrolled in a MA-PD) not associated with a condition code 21 and/or a no payment reason code.
 - Use IP and SNF stay encounter data when available for MA-PD beneficiaries. Additionally, if IP and SNF stay claims for MA-PD enrolled beneficiaries are reported in the CWF, the CWF will remain as an additional data source.
- Remove days of relevant stays occurring during the measurement period from the numerator and denominator of the proportion of days covered calculation.
- Shift days' supply from Part D prescription fills that overlap with the stay or subsequent fills for the same drug class to uncovered days after the end of the relevant stay, if applicable. This assumes the beneficiary receives the relevant medication from a different source during the stay and accumulates the Part D prescription fills for later use.

If SNF and IP stays cover a beneficiary's entire enrollment episode that meets the inclusion criteria, the associated proportion of member-years is not included in the rate calculation. Consequently, if SNF and IP stays span all of the beneficiary's enrollment episode(s) within the measurement period, the beneficiary is excluded from the measurement year.

The following examples provide illustrations of the implementation of these assumptions when calculating PDC.

Example 1: Gap in Coverage after IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage on days 1-8 and 12-15 and an IP stay on days 5 and 6, as illustrated in Table L-6.

Table L-6: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1	X1				X2	X2	X2	X2
Inpatient Stay					+	+									

PDC Calculation:

Covered Days: 12

Measurement Period: 15

PDC: $12/15 = 80\%$

With the adjustment for the IP stay, days 5 and 6 are deleted from the measurement period. Additionally, the drug coverage during the IP stay is shifted to subsequent days of no supply (in this case, days 9 and 10), based on the assumption that if a beneficiary received his/her medication through the hospital on days 5 and 6, then he/she accumulated two extra days' supply during the IP stay. The two extra days' supply is used to cover the gaps in Part D drug coverage in days 9 and 10. This is illustrated in Table L-7.

Table L-7: After Adjustment

Day	1	2	3	4	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	+	+		X2	X2	X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 12

Measurement Period: 13

PDC: 12/13 = 92%

Example 2: Gap in Coverage before IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-7 and 12-15, and an IP stay on days 12 and 13, as illustrated in Table L-8.

Table L-8: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2	X2	X2
Inpatient Stay												+	+		

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: 11/15 = 73%

With the adjustment for the IP stay, days 12 and 13 are deleted from the measurement period. While there are two days' supply from the IP stay on days 12 and 13, there are no days without drug coverage after the IP stay. Thus, the extra days' supply are not shifted. This is illustrated in Table L-9.

Table L-9: After Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 9

Measurement Period: 13

PDC: 9/13 = 69%

Example 3: Gap in Coverage Before and After IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-3, 6-9, and 12-15, and an IP stay on days 6-9, as illustrated in Table L-10.

Table L-10: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			X2	X2	X2	X2			X3	X3	X3	X3
Inpatient Stay						+	+	+	+						

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: $11/15 = 73\%$

With the adjustment for the IP stay, days 6-9 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay, based on the assumption that the beneficiary received his/her medication through the hospital on days 6-9. In this case, only days 10 and 11 do not have drug coverage and are after the IP stay, so two days' supply are shifted to days 10 and 11. This is illustrated in Table L-11.

Table L-11: After Adjustment

Day	1	2	3	4	5	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			+	+	X2	X2	X3	X3
Inpatient Stay											

PDC Calculation:

Covered Days: 9

Measurement Period: 11

PDC: $9/11 = 82\%$ **Example 4: Gap in Coverage After IP Stay and Overlap with Subsequent Fill of the Same Drug Class**

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills on different dates of service. This beneficiary had drug coverage from days 1-4, and 7-11 for the same drug class, and an IP stay on days 2-4, as illustrated in Table L-12.

Table L-12: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1			X2	X2	X2	X2	X2				
Inpatient Stay		+	+	+											

PDC Calculation:

Covered Days: 9

Measurement Period: 15

PDC: $9/15 = 60\%$

With the adjustment for the IP stay, days 2-4 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay. In the case of overlapping days with a subsequent fill of the same drug class, the days supply of the subsequent fill are shifted. In this example, the days supply of 2 to 4 during the IP stay are shifted to days 5 to 7 after the IP stay. Because day 7 includes 1 days supply of a subsequent fill (X2) of the same drug class, days 7 to 11 that corresponds to the subsequent fill are shifted to days 8 to 12. This is illustrated in Table L-13.

Day	1	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	+	+	+	X2	X2	X2	X2	X2			
Inpatient Stay												

PDC Calculation:
 Covered Days: 9
 Measurement Period: 12
 PDC: $9/12 = 75\%$

CMS's drug pricing performance measure evaluates the accuracy of prices displayed on Medicare Plan Finder (MPF) for beneficiaries' comparison of plan options. The accuracy score is calculated by comparing the MPF price to the prescription drug event (PDE) price and determining the magnitude and frequency of differences found when the PDE price exceeds the MPF price. This document summarizes the methods currently used to construct each contract's MPF Composite Price Accuracy Score.

Contract Selection

The Part D Star Ratings rely in part on the submission of pricing data to MPF. Therefore, only contracts with at least one plan meeting all of the following criteria are included in the analysis:

- Not a PACE plan
- Not a demonstration plan
- Not an employer plan
- Part D plan
- Plan not terminated during the contract year

Only contracts with at least 30 eligible claims throughout the year are included in the accuracy measure. This ensures that the sample size of PDEs is large enough to produce a reliable accuracy score.

MPF Composite Price Accuracy Score

To calculate the MPF Composite Price Accuracy Score, the point of sale cost (ingredient costs plus dispensing fee) reported on each PDE claim is compared to the cost resulting from using the unit price reported on Plan Finder.¹ This comparison includes only PDEs for which a MPF cost can be assigned. In particular, a PDE must meet seven conditions to be included in the analysis:

1. If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible. NCPDP numbers are mapped to their corresponding NPI numbers.
2. The corresponding reference NDC must appear under the relevant price ID for the pharmacy in the pricing file.²
3. The reference NDC must be on the plan's formulary.
4. Because the retail unit cost reported on Plan Finder is intended to apply to a 1, 2, or 3-month supply of a drugs, only claims with a Days Supply of 28-34, 60-62, or 90-93 are included. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then

¹ Medicare Plan Finder unit costs are reported by plan, drug, days of supply, and pharmacy. The plan, drug, days of supply and pharmacy from the PDE are used to assign the corresponding Medicare Plan Finder unit cost posted on medicare.gov on the date of the PDE.

² Medicare Plan Finder prices are reported at the reference NDC level. A reference NDC is a representative NDC of drugs with the same brand name, generic name, strength, and dosage form. To map NDCs on PDEs to a reference NDC, we use First Data Bank (FDB) and Medi-Span to create an expanded list of NDCs for each reference NDC, consisting of NDCs with the same brand name, generic name, strength, and dosage form as the reference NDC. This expanded NDC list allows us to map PDE NDCs to MPF reference NDCs.

additional days supply values may be included in the accuracy measure for the plan. For example, a plan that submits a 3 month retail supply of 100 days in their bid will have claims with a days supply of 90-100 included in their accuracy measure calculation.

5. PDEs for dates of service during which the plan was suppressed from Plan Finder or where the relevant pharmacy or drug was not reported in Plan Finder are not included since no Plan Finder cost can be assigned.³
6. PDEs for compound drugs or non-covered drugs are not included.
7. The PDE must occur in Quarter 1 through 3 of the year. Quarter 4 PDEs are not included because MPF prices are not updated during this last quarter.

The MPF Composite Price Accuracy Measure factors in both how much and how often PDE prices exceeded the prices reflected on the MPF. The contract's MPF Composite Price Accuracy score is the average of the Price Accuracy Score, which measures the difference between PDE total cost and MPF total cost,⁴ and the Claim Percentage Score, which measures the share of claims where PDE prices are less than or equal to MPF prices.

Once MPF unit ingredient costs are assigned, the MPF ingredient cost is calculated by multiplying the unit costs reported on MPF by the quantity listed on the PDE. The PDE total cost (TC) is the sum of the PDE ingredient cost paid and the PDE dispensing fee. Likewise, the MPF TC is the sum of the MPF ingredient cost and the MPF dispensing fee that corresponds to the same pharmacy, plan, and days of supply as that observed in the PDE. Each claim is then given a score based on the difference between the PDE TC and the MPF TC. If the PDE TC is lower than or equal to the MPF TC, the claim receives a score equal to zero. In other words, contracts are not penalized when point of sale costs are lower than or equal to the advertised costs. However, if the PDE TC is higher than the MPF TC, then the claim receives a score equal to the difference between the PDE TC and the MPF TC.^{5 6} The contract level MPF Price Accuracy Index is the sum of the claim level scores and PDE TC across all PDEs that meet the inclusion criteria, divided by the PDE TC for those same claims. The MPF Claim Percentage Index is the percent of all PDEs that meet the inclusion criteria with a PDE TC higher than the MPF TC. Note that the best possible MPF Price Accuracy Index is 1, and the best possible MPF Claim Percentage Index is 0. This occurs when the MPF TC is never lower than the PDE TC. The formulas below illustrate the calculation of the contract level MPF Price Accuracy Index and MPF Claim Percentage Index:

$$\text{Price Accuracy Index} = \frac{\sum_i \max(\text{TC}_{i\text{PDE}} - \text{TC}_{i\text{PF}}, 0) + \sum_i \text{TC}_{i\text{PDE}}}{\sum_i \text{TC}_{i\text{PDE}}}$$

where

³ Because CMS continues to display pharmacy and drug pricing data for sanctioned plans on MPF to their current enrollees, sanctioned plans are not excluded from this measure. If, however, CMS completely suppresses a sanctioned contract's data from MPF display, then they would be excluded from the measure.

⁴ MPF total costs are rounded to the nearest cent. For example, if the MPF total cost is \$10.237, then it is rounded to \$10.24. MPF unit costs are not rounded.

⁵ To account for potential rounding errors, this analysis requires that the PDE cost exceed the rounded MPF cost by at least a two cent (\$0.02) in order to be counted towards the accuracy score. For example, if the PDE cost is \$10.25 and the rounded MPF cost is \$10.23, the 2-cent difference would be counted towards plan's accuracy score. However, if the rounded MPF cost is higher than \$10.23, the difference would not count towards the plan's accuracy score.

⁶ The MPF data includes floor pricing. For plan-pharmacy drugs with a floor price, if the MPF price is lower than the floor price, the PDE price is compared against the floor price.

TC_{iPDE} is the ingredient cost plus dispensing fee reported in PDE_i and TC_{iMPF} is the ingredient cost plus dispensing fee calculated from MPF data, based on the PDE_i reported NDC, days of supply, and pharmacy, then rounded to the nearest cent.

$$\text{Claim Percentage Index} = \frac{\sum_i \text{Claims}_{iPDE > PF}}{\sum_i \text{Claims}_{iTotal}}$$

where

$\text{Claims}_{iPDE > PF}$ is the total number of claims where the PDE price is greater than the rounded MPF price

Claims_{iTotal} is the total number of claims

We use the following formulas to convert the Claim Percentage Index and Price Accuracy Index into the MPF.

Composite Price Accuracy score:

$$\text{Price Accuracy Score} = 100 - [(\text{Price Accuracy Index} - 1) \times 100]$$

$$\text{Claim Percentage Score} = (1 - \text{Claim Percentage Index}) \times 100$$

$$\text{MPF Composite Price Accuracy Score} = (0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$$

The MPF Composite Price Accuracy Score is rounded to the nearest whole number.

Example of Accuracy Index Calculation

Table M-1 shows an example of the MPF Composite Price Accuracy Score calculation. This contract has 4 claims, for 4 different NDCs and 4 different pharmacies. This is an abbreviated example for illustrative purposes only; in the actual accuracy index, a contract must have 30 eligible claims to be evaluated.

From each of the 4 claims, the PDE ingredient cost, dispensing fee, and quantity dispensed are obtained. Additionally, the plan ID, days of supply, date of service, and pharmacy number are collected from each PDE to identify the MPF data that had been submitted by the contract and posted on Medicare.gov on the PDE dates of service. The NDC on the claim is first assigned the appropriate reference NDC, based on the brand name, generic name, strength, and dosage form. Using the reference NDC, the following MPF data are obtained: brand/generic dispensing fee (as assigned by the pharmacy cost file) and unit cost (as assigned by the Price File corresponding to that pharmacy and days of supply on the date of service). The PDE cost is the sum of the PDE ingredient cost and dispensing fee. The MPF cost is computed as the quantity dispensed from PDE multiplied by the MPF unit cost plus the MPF brand/generic dispensing fee (brand or generic status is assigned based on the NDC), and then rounded to the nearest cent. The last column shows the amount by which the PDE cost is higher than the rounded MPF cost. When PDE cost is less than or equal to the rounded MPF cost, this value is zero. The Price Accuracy Index is the sum of the last column plus the sum of PDE costs all divided by the sum of PDE costs. The Claim Percentage Index is the number of rows where the last column is greater than zero divided by the total number of rows.

Table M-1: Example of Price Accuracy Index Calculation

NDC	Pharmacy Number	PDE Data DOS	PDE Data Ingredient Cost	PDE Data Dispensing Fee	PDE Data Quantity Dispensed	PDE Days of Supply	MPF Data Biweekly Posting Period	MPF Data Unit Cost	MPF Data Dispensing Fee Brand	MPF Data Dispensing Fee Generic	Calculated Value Brand or Generic Status	Calculated Value Total Cost PDE	Calculated Value Total Cost MPF	Calculated Value Amount that PDE is higher than MPF
A	111	01/08/2022	3.82	2	60	60	01/06/22 - 01/19/22	0.014	2.25	2.75	B	5.82	3.09	2.73
B	222	01/24/2022	0.98	2	30	60	01/20/22 - 02/02/22	0.83	1.75	2.5	G	2.98	27.40	0
C	333	02/11/2022	10.48	1.5	24	28	02/03/22 - 02/16/22	0.483	2.5	2.5	B	11.98	14.09	0
D	444	02/21/2022	47	1.5	90	30	02/17/22 - 03/01/22	0.48	1.5	2.25	G	48.50	45.45	3.05
Totals												69.28		5.78
												Price Accuracy Index		1.08343
												Claim Percentage Index		0.5
												MPF Composite Price Accuracy Score		71

PDE = Prescription Drug Event
MPF = Medicare Plan Finder

Medicare Part D Reporting Requirements Measure (D11: MTM CMR Completion Rate Measure)

- Step 1: Start with all contracts that enrolled beneficiaries in MTM at any point during contract year 2022. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.
- Step 2: Exclude contracts that did not enroll 31 or more beneficiaries in their MTM program who met the measure denominator criteria during contract year 2022.
Next, exclude contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2023), or that were not required to participate in data validation.
Additionally, exclude contracts that did not score at least 95% on data validation for their plan reporting of the MTM Program section and contracts that scored 95% or higher on data validation for the MTM Program section but that were not compliant with data validation standards/sub-standards for at least one of the following MTM data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.
- MBI Number (Element B)
 - Date of MTM program enrollment (Element H)
 - Met the specified targeting criteria per CMS – Part D requirements (Element I)
 - Date met the specified targeting criteria per CMS – Part D requirements (Element J)
 - Date of MTM program opt-out, if applicable (Element K)
 - Received annual CMR with written summary in CMS standardized format (Element O)
 - Date(s) of CMR(s) (Element P)
- Step 3: After removing contracts' and beneficiaries' data excluded above, suppress contract rates based on the following rules:
- File DV failure:** Contracts that failed to submit the CY 2022 MTM Program Reporting Requirements data file or who had a missing DV score for MTM are listed as "CMS identified issues with this plan's data."
- Section-level DV failure:** Contracts that score less than 95% in DV for their CY 2022 MTM Program Reporting Requirements data are listed as "CMS identified issues with this plan's data."
- Element-level DV failure:** Contracts that score 95% or higher in DV for their CY 2022 MTM Program Reporting Requirements data but that failed at least one of the seven data elements are listed as "CMS identified issues with this plan's data."
- Small size:** Contracts that have not yet been suppressed and have fewer than 31 beneficiaries enrolled are listed as "Not enough data available."
- Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.
- Step 4: Calculate the rate for the remaining contracts using the following formula:
Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period / Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period, met the specified targeting criteria per CMS during the reporting period, weren't in hospice at any point during the reporting period, and

who were enrolled in the MTM program for at least 60 days during the reporting period.

Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe.

Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. The categorization of contracts into final adjustment categories for the Categorical Adjustment Index (CAI) relies on both the use of a contract's percentages of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disabled beneficiaries. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI. The contract-level modified LIS/DE percentages for Puerto Rico contracts for the 2024 Star Ratings are developed using the following sources of information:

- The 2021 1-year American Community Survey (ACS) estimates for the percentage of people living below the Federal Poverty Level (FPL).
- The 2021 ACS 5-year estimates for the percentage of people living below 150% of the FPL; for Puerto Rico and for the 10 poorest US states (which may include the District of Columbia).
- The Medicare enrollment data file for those enrolled during 2022 provided for beneficiaries who were alive at least through December 2022, the percentage of each contract's beneficiaries who were DE, and for non-Puerto Rico contracts, the percentage who were LIS/DE. Beneficiary DE status was determined using a) the monthly beneficiary dual status codes, b) identification of Low Income Part D enrollees who reside in the US Territories, and c) beneficiaries with Medicaid coverage/who are Medicaid eligible by the Point of Sale contractor. For non-Puerto Rico contracts, beneficiaries who were LIS were determined using the monthly beneficiary LIS status codes, and beneficiaries were classified LIS/DE by combining the beneficiaries identified as DE and beneficiaries identified as LIS.

The following steps are employed to determine the modified percentages of LIS/DE for MA contracts solely serving the population of beneficiaries in Puerto Rico. All references to contracts in Puerto Rico are limited to the contracts solely serving the population of beneficiaries in Puerto Rico.

- The 10 states with the highest proportion of people living below the FPL are identified, based on 2021 1-year data from ACS (<https://www.census.gov/content/dam/Census/library/publications/2022/acs/acsbr22-014.pdf>, see Table 1). *The states identified are: Alabama, Arkansas, District of Columbia, Kentucky, Louisiana, Mississippi, New Mexico, Oklahoma, South Carolina, and West Virginia.*
- Data are aggregated from Medicare Advantage contracts that had at least 90% of their beneficiaries enrolled with mailing addresses within the 10 highest poverty states identified in step (1). *For the 2024 Star Ratings adjustment, the data used for the model development included a total of 92 Medicare Advantage contracts with at least 90% of their beneficiaries with mailing addresses in one of the ten poorest states listed above.*
- A linear regression model is developed using the known LIS/DE percentage and the corresponding DE percentage from the MA contracts in the 10 highest poverty states with at least 90% of their beneficiaries with mailing addresses in one of the ten states.
- The model for Puerto Rico is developed using the model in step (3) as its base.

The estimated slope from the linear fit in the previous step (3) is retained to approximate the expected relationship between LIS/DE for each contract in Puerto Rico and its DE percentage. However, as Puerto Rico contracts are expected to have a larger percentage of low-income beneficiaries, the intercept term is adjusted to be more suitable for use with Puerto Rico contracts as follows:

The intercept term for the Puerto Rico model is estimated by assuming that the Puerto Rico model will pass

through the point (x, y) where x is the observed average DE percentage in the Puerto Rico contracts, and y is the expected average percentage of LIS/DE in Puerto Rico. The expected average percentage of LIS/DE in Puerto Rico (the y value) is not observable but is estimated by multiplying the observed average percentage of LIS/DE in the 10 highest poverty states identified in step (1) by the ratio based on the 2021 5-year ACS estimates of the percentage living below 150% of the FPL in Puerto Rico compared to the corresponding percentage in the 10 poorest US states.

- To obtain each Puerto Rico contract's modified LIS/DE percentage, a contract's observed DE percentage is used in the Puerto Rico model developed in the previous step (4).

A contract's observed DE percentage is multiplied by the slope estimate, and then, the newly derived intercept term is added to the product. The estimated modified LIS/DE percentage is capped at 100%. Any estimated LIS/DE percentage that exceeds 100% is categorized in the final adjustment category for LIS/DE with an upper bound of 100%.

Note that the District of Columbia is included with the 50 US states when determining the 10 poorest in 2021. All estimated modified LIS/DE values for Puerto Rico are rounded to six decimal places when expressed as a percentage. (This rounding rule aligns with the limits for the adjustment categories for LIS/DE for the CAI.)

Model

The generic model developed to estimate a contract's LIS/DE percentage using its DE percentage is as follows:

$$\widehat{\text{LIS/DE}} = (\text{Slope} \times \text{contract's DE percentage}) + (\text{intercept})$$

Using the data from the 10 highest poverty states, the estimated slope was calculated to be 0.930021.

$$\widehat{\text{LIS/DE}} = (0.930021 \times \text{contract's DE percentage}) + (\text{intercept})$$

Next, the intercept for the Puerto Rico model was determined using the point (x, y) where x is the observed average DE percentage in Puerto Rico contracts (29.200398%) and y is an estimated expected average percentage of LIS/DE in Puerto Rico.

To calculate the estimated expected average percentage of LIS/DE in Puerto Rico, the observed average percentage of LIS/DE in the 10 poorest US states identified in step (1) is multiplied by the ratio of the percentage of Puerto Rico residents living below 150% of the FPL to the analogous percentage in the 10 poorest US states.

Description	Value
Percent of PR residents below 150% of FPL	59.500000%
Percent of residents in the 10 poorest US states below 150% of FPL	26.539801%
Observed average LIS/DE percentage in the 10 poorest US states	39.159485%
Observed average DE percentage in Puerto Rico contracts	29.200398%

The product thus becomes $\left(39.159485 \times \frac{59.500000}{26.539801} \right)$.

The new intercept for the Puerto Rico model is as follows:

$$\text{new intercept} = \left(39.159485 \times \frac{59.500000}{26.539801} \right) - (0.930021 \times 29.200398)$$

The final model to estimate the percentage of LIS/DE in Puerto Rico model is as follows:

$$\widehat{\text{LIS/DE}} = (0.930021 \times \text{contract's DE percentage}) + \left(39.159485 \times \frac{59.500000}{26.539801} \right) - (0.930021 \times 29.200398)$$

Example

To calculate the contract-level modified LIS/DE percentage for a hypothetical contract from Puerto Rico with an observed DE percentage of 25%, the value of 25.000000% is used in the model developed.

$$\widehat{\text{LIS/DE}} = (0.930021 \times \text{contract's DE percentage}) + \left(39.159485 \times \frac{59.500000}{26.539801} \right) - (0.930021 \times 29.200398)$$

The contracts percentage of 25.000000% is substituted into the Puerto Rico model.

$$\widehat{\text{LIS/DE}} = (0.930021 \times 25.000000) + \left(39.159485 \times \frac{59.500000}{26.539801} \right) - (0.930021 \times 29.200398)$$

The contract-level modified LIS/DE percentage for a hypothetical Puerto Rico contract that has an observed DE percentage of 25.000000% is 83.885811%.

The final adjustment category for the CAI adjustment is identified using the DE percentage of 25.000000% and the LIS/DE percentage 83.885811%.

Natural disasters such as hurricanes and wildfires can directly affect Medicare beneficiaries and providers, as well as the Parts C and D organizations that provide them with important medical care and prescription drug coverage. These disasters may negatively affect the underlying operational and clinical systems that CMS relies on for accurate performance measurement in the Star Ratings program.

The 2024 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>) describes CMS's policy for making adjustments in the Star Ratings to take into account the effects of extreme and uncontrollable circumstances which occurred during the performance period. This is also codified in regulation at §422.166(i) and §423.186(i).

Operational Steps to Calculating Enrollment Impacted in Affected Contracts.

- Identify the areas which experienced both extreme and uncontrollable circumstances as defined in Section 1135 (g) of the Act and also are within a county or statistically equivalent entity, U.S. territory or tribal government designated in a major disaster declaration under the Stafford Act.
 - Areas where the Health and Human Services (HHS) Secretary exercised their authority under Section 1135 of the Act can be found at the Public Health Emergency website at <https://www.phe.gov/emergency/news/healthactions/section1135/Pages/default.aspx>
 - Major disaster areas are identified by the Federal Emergency Management Agency (FEMA) website at: <https://www.fema.gov/disasters>.

Table P-1 lists the Section 1135 waivers issued by the HHS Secretary along with associated FEMA major disaster information that falls within the performance period for the 2024 Star Ratings.

Table P-1: Section 1135 waivers issued in relation to the FEMA major disaster declarations

Section 1135 Waiver Date Issued	Waiver or Modification of Requirements Under Section 1135 of the Social Security Act	FEMA Incident Type	Affected State	Incident Start Date
5/9/2022	New Mexico Wildfires and Straight-line Winds	Wildfires	New Mexico	4/5/2022
8/2/2022	Kentucky Severe Storms, Flooding, Landslides, and Mudslides	Severe Storms, Flooding, Landslides, and Mudslides	Kentucky	7/26/2022
9/20/2022	Tropical Storm/Hurricane Fiona	Hurricane	Puerto Rico	9/17/2022
9/26/2022	Hurricane Ian	Hurricane	Florida	9/23/2022
9/30/2022	Hurricane Ian	Hurricane	South Carolina	9/25/2022

- Identify the counties or statistically equivalent entities which were declared as Individual Assistance areas by each of the FEMA major disaster declarations that meet the criteria set out in Step 1 below.

Table P-2 lists all of the relevant FEMA major disaster declarations along with the state and associated Individual Assistance counties.

Table P-2: Individual Assistance counties in FEMA Major Disaster Declared States

FEMA Declaration	State	FEMA Individual Assistance Counties or County-Equivalents
DR-4652- NM	New Mexico	Colfax, Lincoln, Mora, San Miguel, Valencia
DR-4663-KY	Kentucky	Breathitt, Clay, Floyd, Knott, Lee, Leslie, Letcher, Magoffin, Martin, Owsley, Perry, Pike, Whitley
DR-4671-PR	Puerto Rico	Adjuntas, Aguada, Aguadilla, Aguas Buenas, Aibonito, Anasco, Arecibo, Arroyo, Barceloneta, Barranquitas, Bayamon, Cabo Rojo, Caguas, Camuy, Canovanas, Carolina, Catano, Cayey, Ceiba, Ciales, Cidra, Coamo, Comerio, Corozal, Culebra, Dorado, Fajardo, Florida, Guanica, Guayama, Guayanilla, Guaynabo, Gurabo, Hatillo, Hormigueros, Humacao, Isabela, Jayuya, Juana Diaz, Juncos, Lajas, Lares, Las Marias, Las Piedras, Loiza, Luquillo, Manati, Maricao, Maunabo, Mayaguez, Moca, Morovis, Naguabo, Naranjito, Orocovi, Patillas, Penuelas, Ponce, Quebradillas, Rincon, Rio Grande, Sabana Grande, Salinas, San German, San Juan, San Lorenzo, San Sebastian, Santa Isabel, Toa Alta, Toa Baja, Trujillo Alto, Utuado, Vega Alta, Vega Baja, Vieques, Villalba, Yabucoa, Yauco
DR-4673-FL	Florida	Brevard, Charlotte, Collier, DeSoto, Flagler, Glades, Hardee, Hendry, Highlands, Hillsborough, Lake, Lee, Manatee, Monroe, Okeechobee, Orange, Osceola, Palm Beach, Pasco, Pinellas, Polk, Putnam, Sarasota, Seminole, St. Johns, Volusia
DR-4677-SC	South Carolina	Charleston, Georgetown, Horry

- Identify the service area at the state/county level for each contract in operation during the performance period. The service area of some organization types rated in the Star Ratings are not defined at the state/county level, so their service area must be transformed to include all states and counties covered by their service area.

Table P-3 lists how the service area for each organization type rated in the Star Ratings is defined and what transformation, if any, is needed to create a common state/county level file for all contracts.

Table P-3: Organization type service areas and necessary transformations

Star Rating Organization Types	How Service Area is defined	How Service Area is transformed
1876 Cost, E-CCP, E-PDP, E-PFFS, Local CCP, MSA, PFFS, R-PFFS & R-CCP	State/County	Not necessary, service area is defined at the state/county level
Regional CCP	MA Region	A record is created for each state/county within the MA region
PDP	PDP Region	A record is created for each state/county within the PDP region

- Compare the Individual Assistance states and counties from Step 2 below to the service area from all contracts created in Step 3 below with the state and counties. Create a list of all contracts which have any county that matches in both lists.
- Create a second list of all contracts that do not share any service area with the Individual Assistance counties, so that information on the status of all contracts is accounted for during the performance period.
- Identify the timeframe for each disaster and the associated enrollment files. Each of the disasters occurred during a specific period of time. Since the enrollment in a contract is constantly changing, CMS used the enrollment the contract was paid for in a month that as closely matched the disaster period in the specific state/county as possible for all further processing, following the months in the table below.

Table P-4 shows each of the disasters where relief was granted along with the disaster start date, and the enrollment file month that was used for that specific disaster. The enrollment file choice was based on the enrollment file cut-off date the file was created.

Table P-4: Major Disasters with associated enrollment months

FEMA Declaration	State	Start Date	Enroll File	Enroll Cut Off
DR-4652-NM	New Mexico	4/5/2022	May 2022	April 8, 2022
DR-4663-KY	Kentucky	7/26/2022	September 2022	August 5, 2022
DR-4671-PR	Puerto Rico	9/17/2022	October 2022	September 9, 2022
DR-4673-FL	Florida	9/23/2022	November 2022	October 7, 2022
DR-4677-SC	South Carolina	9/25/2022	November 2022	October 7, 2022

- Calculate disaster impacted enrollment for contracts experiencing multiple disasters. Because the contracts serve areas of different sizes and can sometimes serve large, diverse areas, it is common for a contract to be affected by more than one of the disasters. To account for this, CMS averaged the county/state level enrollments from each of corresponding enrollment periods in which the contract was affected.

Table P-5 shows an example where all possible enrollment periods are accounted for and how the enrollment for a contract in a state/county which matched the contract's service area state/county was calculated.

Enrollment in out of service area state/counties was not included.

Table P-5: How enrollment periods were combined for contracts experiencing multiple disasters

Formula ID	Enrolled 202X_10	Enrolled 202X_11	Enrolled 202X_12	Enrollment Used
B	True	True	True	$(202X_{10} + 202X_{11} + 202X_{12}) / 3$
C	True	True		$(202X_{10} + 202X_{11}) / 2$
F	True		True	$(202X_{10} + 202X_{12}) / 2$
H	True			202X_10
J		True	True	$(202X_{11} + 202X_{12}) / 2$
L		True		202X_11
N			True	202X_12
P				0 (zero)

- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in the entire service area for the contract to be used in further processing.
- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in all of the Individual Assistance counties that correspond to the contract service area.
- Using the final list of affected contracts from Step 4 below, calculate the percentage of the contract's total service area enrollment that was affected by the Individual Assistance area enrollment. Create flags for the $\geq 25\%$ and $\geq 60\%$ thresholds for processing of the ratings data for those contracts.

Steps 1 and 2 use the disasters and counties that have already been defined in Tables P-1 & P-2. For Steps 3 through 10, we use an example contract, HAAAA, which offers services to some counties from both California and Texas.

Step 3, Table P-6 below contains the full list of counties that make up the service area for contract HAAAA.

Step 4, the Individual Assistance County column is included in Table P-6. Rows marked TRUE are matches from Individual Assistance counties in the disasters for year 202X and the service areas of HAAAA. The rows marked FALSE were not Individual Assistance counties for any of the disasters in HAAAA.

Step 5, since the example contract HAAAA has service areas that coincide with disaster counties, it is not included in the list of contracts not affected.

Step 6, there are two separate enrollment periods associated with the disasters that match example contract HAAAA's service area. Those enrollment periods are 202X/09 & 202X/11. Columns for all enrollment periods are included in Table P-6, but only the valid enrollment periods contain the necessary data.

Step 7, the average enrollment is calculated for the included enrollment periods. The result of each average enrollment calculation for each county in the example contract's service area is shown in the final column of Table P-6.

Table P-6: Example Contract HAAAA's Service Areas and Enrollment during Relevant Disasters

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
06003	Alpine	CA	No	FALSE	8	-	8	8
06009	Calaveras	CA	No	FALSE	849	-	850	850
06011	Colusa	CA	No	FALSE	168	-	166	167
06015	Del Norte	CA	No	FALSE	369	-	360	364
06023	Humboldt	CA	No	FALSE	702	-	710	706
06045	Mendocino	CA	No	TRUE	428	-	429	428
06049	Modoc	CA	No	FALSE	157	-	158	158
06063	Plumas	CA	No	FALSE	182	-	181	182
06093	Siskiyou	CA	No	FALSE	798	-	800	799
06105	Trinity	CA	No	FALSE	150	-	150	150
48043	Brewster	TX	Yes	FALSE	16	-	15	16
48047	Brooks	TX	Yes	FALSE	28	-	27	28
48049	Brown	TX	Yes	FALSE	64	-	65	64
48057	Calhoun	TX	Yes	TRUE	28	-	28	28
48093	Comanche	TX	Yes	FALSE	33	-	32	32
48103	Crane	TX	Yes	FALSE	8	-	8	8
48109	Culberson	TX	Yes	FALSE	3	-	3	3
48123	DeWitt	TX	Yes	TRUE	26	-	26	26
48131	Duval	TX	Yes	FALSE	30	-	28	29
48133	Eastland	TX	Yes	FALSE	64	-	62	63
48143	Erath	TX	Yes	FALSE	61	-	59	60

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
48163	Frio	TX	Yes	FALSE	43	-	42	42
48171	Gillespie	TX	Yes	FALSE	17	-	17	17
48175	Goliad	TX	Yes	TRUE	18	-	18	18
48177	Gonzales	TX	Yes	TRUE	41	-	41	41
48237	Jack	TX	Yes	FALSE	35	-	34	34
48239	Jackson	TX	Yes	TRUE	30	-	30	30
48255	Karnes	TX	Yes	TRUE	19	-	19	19
48265	Kerr	TX	Yes	FALSE	85	-	86	86
48283	La Salle	TX	Yes	FALSE	25	-	25	25
48297	Live Oak	TX	Yes	FALSE	24	-	24	24
48301	Loving	TX	Yes	FALSE	0	-	0	0
48311	McMullen	TX	Yes	FALSE	4	-	4	4
48321	Matagorda	TX	Yes	TRUE	144	-	140	142
48323	Maverick	TX	Yes	FALSE	160	-	156	158
48371	Pecos	TX	Yes	FALSE	20	-	21	20
48377	Presidio	TX	Yes	FALSE	50	-	49	50
48389	Reeves	TX	Yes	FALSE	8	-	8	8
48391	Refugio	TX	Yes	TRUE	21	-	21	21
48443	Terrell	TX	Yes	FALSE	9	-	9	9
48463	Uvalde	TX	Yes	FALSE	13	-	10	12
48469	Victoria	TX	Yes	TRUE	158	-	154	156
48475	Ward	TX	Yes	FALSE	15	-	15	15
48495	Winkler	TX	Yes	FALSE	20	-	20	20

Step 8, sum the average enrollment from all rows from Table P-6. The total comes out to 5,120 for contract HAAAA.

Step 9, sum the average enrollment from all the rows from Table P-6 where the Individual Assistance counties is TRUE for contract HAAAA. The Individual Assistance total comes out to 909.

Step 10, calculate the final percentage for contract HAAAA. $(909 / 5,120) * 100 = 17.753906 = 18\%$. Both flags for $\geq 25\%$ and $\geq 60\%$ are set to false since the example contract did not meet those thresholds.

Attachment Q: Missing Data Messages

CMS uses a standard set of messages in the Star Ratings when there are no numeric data available for a contract. This attachment provides the rules for assignment of those messages in each level of the Star Ratings.

Measure level messages

Table Q-1 contains all of the possible messages that could be assigned to missing data at the measure level.

Table Q-1: Measure level missing data messages

Message	Measure Level
Coming Soon	Used for all measures in MPF between Oct 1 and when the actual Star Rating data go live
Medicare shows only a Star Rating for this topic	Used in the numeric data for the Part C & D improvement measures in MPF and Plan Preview 2
Not enough data available	There were data for the contract, but not enough to pass the measure exclusion rules
CMS identified issues with this plan's data	Data were materially biased, erroneous and/or not reported by a contract required to report
Not Applicable	Used in the numeric data for the improvement measures in Plan Preview 1. In the HPMS Measure Star Page when a measure does not apply for a contract. When a Disenrollment Reasons Survey measure does not apply to the contract type.
Benefit not offered by plan	The contract was required to report this HEDIS measure but doesn't offer the benefit to members
Plan too new to be measured	The contract is too new to have submitted measure data
No data available	There were no data for the contract included in the source data for the measure
Plan too small to be measured	The contract had data but did not have enough enrollment to pass the measure exclusion rules
Plan not required to report measure	The contract was not required to report the measure

Assignment rules for Part C measure messages

Part C uses a set of rules for assigning the missing data message that varies by the data source. The rules for each data source are defined below.

Appeals (IRE) measures (C28 & C29):

Has CMS identified issues with the contract's data?

Yes: Display message: CMS identified issues with this plan's data

No: Is there a valid numeric measure rate?

Yes: Display the numeric measure rate

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (C03, C19, C20, C21, C22, C23, & C24):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2022?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost, MSA, or Employer/Union Only Direct Contract PDP?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (C25):

Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2022?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

HEDIS measures except PCR and TRC (C01, C02, C08 – C11, C14, C16, C18):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2022?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the status NA?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2022?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the combined denominator for the 18-64 and 65+ measures <150?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

HEDIS TRC average (C17):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2022?

Yes: Display message: Plan too small to be measured

No: Is the audit designation for all four TRC measures R?

No: Is the audit designation for any of the four TRC measures BD, BR, or NR?

Yes: Display message: CMS identified issues with this plan's data

No: Is the audit designation for any of the four TRC measures NB?

Yes: Display message: Benefit not offered by plan

No: The audit designation for one of the four TRC measures is NQ.

Display message: Plan not required to report measure

Yes: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Is the status for any component of the TRC average measure NA?

Yes: Display message: Not enough data available

No: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

HEDIS SNP measures (C06 & C07):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2024?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Is there a valid HEDIS measure numeric rate?

Yes: What is the status?

NA: Display message: Not enough data available

R: Display the HEDIS measure numeric rate

No: Display message: No data available

HEDIS-HOS measures (C04, C12, & C13):

Is there a valid HEDIS-HOS numeric rate?

Yes: Display the HEDIS-HOS numeric rate

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Is the February 2022 contract enrollment < 500?

Yes: Display message: Plan too small to be measured

No: Is there a HEDIS-HOS rate code?

Yes: Assign message according to value below:

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

No: Display message: No data available

Members Choosing to Leave the Plan (C26):

Is there a valid numeric voluntary disenrollment rate?

Yes: Display the numeric voluntary disenrollment rate

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Plan Reporting SNP measure (C05):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2024?

Yes: Display message: Plan not required to report measure

No: Is there a valid Plan Reporting numeric rate?

Yes: Display the Plan Reporting numeric rate

No: Were there Data Issues Found?

Yes: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: No data available

Improvement (Star Ratings) measure (C27):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part D measure messages

CAHPS measures (D05, D06):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2022?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Call Center – Foreign Language Interpreter and TTY Availability measure (D01):

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2023?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (D02):

Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2022?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

Improvement (Star Ratings) measure (D04):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Members Choosing to Leave the Plan (D03):

- Is there a valid numeric voluntary disenrollment rate?
 - Yes: Display the numeric voluntary disenrollment rate
 - No: Is the contract effective date > 01/01/2022?
 - Yes: Display message: Plan too new to be measured
 - No: Display message: Not enough data available

MPF Price Accuracy measure (D07):

- Is the contract effective date > 9/30/2022?
 - Yes: Display message: Plan too new to be measured
 - No: Does contract have at least 30 claims over the measurement period for the price accuracy index?
 - Yes: Display the numeric price accuracy rate
 - No: Is the organization type 1876 Cost and does not offer Drugs?
 - Yes: Display message: Plan not required to report measure
 - No: Display message: Not enough data available

Patient Safety measures – Adherence (D08 - D10) & SUPD (D12):

- Does the contract offer Part D?
 - Yes: Is the contract effective date > 12/31/2022?
 - Yes: Display message: Plan too new to be measured
 - No: Does contract have 30 or fewer enrolled beneficiary member years (measure denominator)?
 - Yes: Display message: Not enough data available
 - No: Display numeric measure percentage
 - No: Plan not required to report measure

Patient Safety measure – MTM CMR (D11)

- Is the contract effective date > 12/31/2022?
 - Yes: Display message: Plan too new to be measured
 - No: Is Part D offered?
 - Yes: Is there a numeric rate?
 - Yes: Display numeric measure percentage
 - No: Is there a Reason(s) for Display Message?
 - Yes: Display appropriate message per table Q-2
 - No: Display message: Plan not required to report measure

Table Q-2: MTM CMR Reason(s) for Display Message conversion

Reason(s) for Display Message	Star Ratings Message
Contract failed to submit file and pass system validation by the reporting deadline	CMS identified issues with this plan's data
Contract did not pass element-level DV for at least one element	CMS identified issues with this plan's data
Contract had missing score on MTM section DV	CMS identified issues with this plan's data
Contract scored less than 95% on MTM section DV	CMS identified issues with this plan's data
Contract had all plans terminate by validation deadline	No data available
Contract had no MTM enrollees to report	No data available
Contract has 0 Part D enrollees	No data available
Contract had 30 or fewer beneficiaries meeting denominator criteria	Not enough data available
Contract not required to submit MTM program	Not required to report

Domain, Summary, and Overall level messages

Table Q-3 contains all of the possible messages that could be assigned to missing data at the domain, summary, and overall levels.

Table Q-3: Domain, Summary, and Overall level missing data messages

Message	Domain Level	Summary & Overall Level
Coming Soon	Used for all domain ratings in MPF between Oct 1 and when the actual Star Rating data go live	Used for all summary and overall ratings in MPF between Oct 1 and when the actual Star Rating data go live
Not enough data available	The contract did not have enough rated measures to calculate the domain rating	The contract did not have enough rated measures to calculate the summary or overall rating
Plan too new to be measured	The contract is too new to have submitted measure data for a domain rating to be calculated	The contract is too new to have submitted data to be rated in the summary or overall levels

Assignment rules for Part C & Part D domain rating level messages*Part C & D domain message assignment rules:*

Is there a numeric domain star?

Yes: Display the numeric domain star

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part C & Part D summary rating level messages*Part C & D summary rating message assignment rules:*

Is there a numeric summary rating star?

Yes: Display the numeric summary rating star

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Overall rating message assignment rules:

Is there a numeric overall rating star?

Yes: Display the numeric overall rating star

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Disenrollment Reasons messages

The 2024 Star Ratings posted to the CMS downloadable Master Table and HPMS includes data collected from the Disenrollment Reasons Survey (DRS). The DRS data was not used at any point in the calculation of the Star Ratings. The data are provided for information only at this time and are shown in HPMS with the Star Ratings data and on the display page at <http://go.cms.gov/partcanddstarratings>.

Because there are instances where a contract does not have data to display, a set of rules was developed to assign messages where data was missing so the data area would not be left blank.

Table Q-4 contains all of the possible messages that could be assigned to missing data in the disenrollment reason data displayed in HPMS.

Table Q-4: Disenrollment Reason missing data messages

Message	Meaning
Not Applicable	Used when the DRS measure does not apply to the contract type
Not Available	Used when there is no numeric data available, or data reliability indicated the value should be suppressed
Plan too new to be measured	The contract is too new for data to be collected for the measure

Disenrollment Reasons message assignment rules:

Is the contract effective date > 1/1/2022?

Yes: Display message: Plan too new to be measured

No: Is there numeric data for the contract in this DRS measure?

Yes: Did the data reliability check indicate the data should be suppressed?

Yes: Display message: Not Available

No: Display the numeric DRS rate

No: Does the DRS measure apply to the organization type

Yes: Display message: Not Available

No: Display message: Not Applicable

AEP	The annual period from October 15 until December 7 when a Medicare beneficiary can enroll into a Medicare Part C or D plan or re-enroll into their existing Medicare Part C or D Plan or change into another Medicare plan is known as the Annual Election Period (AEP). The chosen Medicare Part C or D plan coverage begins on January 1 st .
C-SNP	Chronic Condition Special Needs Plans (C-SNPs) are SNPs that restrict enrollment to special needs individuals with specific severe or disabling chronic conditions, defined in 42 CFR 422.2.
CAHPS	The term CAHPS refers to a comprehensive and evolving family of surveys that ask consumers and patients to evaluate the interpersonal aspects of health care. CAHPS surveys probe those aspects of care for which consumers and patients are the best and/or only source of information, as well as those that consumers and patients have identified as being important. CAHPS initially stood for the Consumer Assessment of Health Plans Study, but as the products have evolved beyond health plans, the acronym now stands for Consumer Assessment of Healthcare Providers and Systems.
CCP	A Coordinated Care Plan (CCP) is a health plan that includes a network of providers that are under contract or arrangement with the organization to deliver the benefit package approved by CMS. The CCP network is approved by CMS to ensure that all applicable requirements are met, including access and availability, service area, and quality requirements. CCPs may use mechanisms to control utilization, such as referrals from a gatekeeper for an enrollee to receive services within the plan, and financial arrangements that offer incentives to providers to furnish high quality and cost-effective care. CCPs include HMOs, PSOs, local and regional PPOs, and senior housing facility plans. SNPs can be offered under any type of CCP that meets CMS's requirements.
Cohort	A cohort is a group of people who share a common designation, experience, or condition (e.g., Medicare beneficiaries). For the HOS, a cohort refers to a random sample of Medicare beneficiaries that is drawn from each Medicare Advantage Organization (MAO) with a minimum of 500 enrollees and surveyed every spring (i.e., a baseline survey is administered to a new cohort each year). Two years later, the baseline respondents are surveyed again (i.e., follow up measurement). For data collection years 1998-2006, the MAO sample size was 1,000. Effective 2007, the MAO sample size was increased to 1,200.
Cost Plan	A plan operated by a Health Maintenance Organization (HMO) or Competitive Medical Plan in accordance with a cost reimbursement contract under §1876(h) of the Act. In the Star Ratings, CMS classifies a Cost Plan not offering Part D as MA-Only and a Cost Plan offering Part D as MA-PD.
D-SNP	Dual Eligible Special Needs Plans (D-SNPs) enroll individuals who are entitled to both Medicare (title XVIII) and medical assistance from a state plan under Medicaid (title XIX). States cover some Medicare costs, depending on the state and the individual's eligibility.

Disability Status	Based on the original reason for entitlement for Medicare (Disability insurance benefits or both Disability insurance benefits and End-Stage Renal Disease).
Dual eligibles	Individuals who are entitled to Medicare Part A and/or Part B and are eligible for some form of Medicaid benefit.
Euclidean distance	The absolute value of the difference between two points, x-y.
HEDIS	The Healthcare Effectiveness Data and Information Set (HEDIS) is a widely used set of performance measures in the managed care industry, developed and maintained by the National Committee for Quality Assurance (NCQA).
HOS	The Medicare Health Outcomes Survey (HOS) is the first patient reported outcomes measure used in Medicare managed care. The goal of the Medicare HOS program is to gather valid, reliable, and clinically meaningful health status data in the Medicare Advantage (MA) program for use in quality improvement activities, pay for performance, program oversight, public reporting, and improving health. All managed care organizations with MA contracts must participate.
I-SNP	Institutional Special Needs Plans (I-SNPs) are SNPs that restrict enrollment to institutionalized special needs individuals defined in 42 CFR 422.2.
IRE	The Independent Review Entity (IRE) is an independent entity contracted by CMS to review Medicare health and drug plans' adverse reconsiderations of organization determinations.
LIS	The Low Income Subsidy (LIS) from Medicare provides financial assistance for beneficiaries who have limited income and resources. Those who receive the LIS get help paying for their monthly premium, yearly deductible, prescription coinsurance, and copayments and they will have no gap in coverage.
LIS/DE	Beneficiaries who qualify at any point in the year for a low income subsidy through the application process and/or who are full or partial Dual (Medicare and Medicaid) beneficiaries.
MA	A Medicare Advantage (MA) organization is a public or private entity organized and licensed by a State as a risk-bearing entity (with the exception of provider-sponsored organizations receiving waivers) that is certified by CMS as meeting the MA contract requirements.
MA-Only	An MA organization that does not offer Medicare prescription drug coverage.
MA-PD	An MA organization that offers Medicare prescription drug coverage and Part A and Part B benefits in one plan.
MSA	Medicare Medical Savings Account (MSA) plans combine a high deductible MA plan and a medical savings account (which is an account established for the purpose of paying the qualified medical expenses of the account holder).
Percentage	A part of a whole expressed in hundredths. For example, a score of 45 out of 100 possible points is the same as 45%.

Percentile	The value below which a certain percent of observations fall. For example, a score equal to or greater than 97 percent of other scores attained on the same measure is said to be in the 97th percentile.
PDP	A Prescription Drug Plan (PDP) is a stand-alone drug plan, offered by insurers and other private companies to beneficiaries who receive their Medicare Part A and/or B benefits either through the Original Medicare Plan, Medicare Private Fee-for-Service Plans that do not offer prescription drug coverage, or Medicare Cost Plans that do not offer Medicare prescription drug coverage.
PFFS	Private Fee-for-Service (PFFS) is defined as an MA plan that pays providers of services at a rate determined by the plan on a fee-for-service basis without placing the provider at financial risk; does not vary the rates for a provider based on the utilization of that provider's services; and does not restrict enrollees' choices among providers who are lawfully authorized to provide services and agree to accept the plan's terms and conditions of payment. The Medicare Improvements for Patients and Providers Act (MIPPA) added that although payment rates cannot vary based solely on utilization of services by a provider, a PFFS plan is permitted to vary the payment rates for a provider based on the specialty of the provider, the location of the provider, or other factors related to the provider that are not related to utilization. Furthermore, MIPPA also allows PFFS plans to increase payment rates to a provider based on increased utilization of specified preventive or screening services. See section 30.4 of the Medicare Managed Care Manual Chapter 1 for further details on PFFS plans.
Reliability	A measure of the fraction of the variation among the observed measure values that is due to real differences in quality (“signal”) rather than random variation (“noise”). On a scale from 0 (all differences among plans are due to randomness of sampling) to 1 (every plan's quality is measured with perfect accuracy).
SNP	A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. A special needs individual could be any one of the following: 1) an institutionalized individual, 2) a dual eligible beneficiary, or 3) an individual with a severe or disabling chronic condition, as specified by CMS. A SNP may be any type of MA CCP. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP).
Sponsor	An entity that sponsors a health or drug plan.
Statistical Significance	Statistical significance assesses how likely differences observed are due to chance when plans are actually the same. CMS uses statistical tests (e.g., t-test) to determine if a contract's measure value is statistically significantly greater or less than the national average for that measure, or whether conversely the observed differences from the national average could have arisen by chance.
Sum of Squares	Method used to measure variation or deviation from the mean.
TTY	A teletypewriter (TTY) is an electronic device for text communication via a telephone line, used when one or more of the parties has hearing or speech difficulties.

This attachment is designed to assist reviewers of the data displayed in HPMS (<https://hpms.cms.gov>) to understand the various pages and fields shown in the HPMS Star Ratings module. This module employs standard HPMS user access rights so that users can only see contracts associated with their user id.

HPMS Star Ratings Module

The HPMS Star Ratings module contains the Part C & Part D data and stars for all contracts that were rated in the ratings year along with much of the detailed data that went into the various calculations. To access the Star Ratings module you must be logged into HPMS. If you do not have access to HPMS, information on how to obtain access can be found here: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/HPMS/Overview.html>

Once you are logged into HPMS, from the home page, select *Performance Metrics* from the *Quality and Performance* menu; the Performance Metrics page will be displayed. If you do not see *Performance Metrics*, your user id does not have the correct access permissions; please contact CMSHPMS_Access@cms.hhs.gov. From the Performance Metrics page, select *Reports* and then *Star Ratings and Display Measures* from the left side menu. The *Star Ratings and Display Measures* home page will be displayed.

On the *Star Ratings and Display Measures* home page, select *Star Ratings* as the Report Type and select a reporting period. The remainder of this attachment describes the HPMS pages available for the 2024 Star Ratings.

1. Measure Data page

The Measure Data page displays the numeric data for all Part C and Part D measures. This page is available during the first plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measures which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain name. The row immediately below the measure information contains the data time frame of the measure. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-1 below shows a sample of the left hand most columns shown in HPMS.

Table S-1: Measure Data page sample

Medicare Star Ratings Report Card Master Table

				HD1: Staying Healthy: Screenings, Tests and Vaccines		
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	01/01/2022 - 12/31/2022	01/01/2022 - 12/31/2022	03/2023 - 06/2023
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	73%	81%
HCCCC	Market C	Contract C	PO C	63%	71%	80%

2. Measure Detail – CTM Summary page

The Measure Detail – CTM Summary page contains the underlying data used for the Part C and Part D Complaints (C25/D02) measures. This page is available during the first plan preview. Table S-2 below explains each of the columns displayed on this page.

Table S-2: Measure Detail – CTM Summary page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Number of Complaints	Number of non-excluded complaints for the contract
Complaint Average Enrollment	The average enrollment used in the final calculation
Complaints Less Than 800 Enrolled	Yes / No, Yes = average enrollment less than 800, No = average enrollment greater than or equal to 800

3. Measure Detail – Part C Appeals page

The Measure Detail – Part C Appeals page contains the case-level data of the non-excluded cases used in producing the Part C Appeals measures Plan Makes Timely Decisions about Appeals (C28) and Reviewing Appeals Decisions (C29). The data displayed on this page reflect the state of the appeals case at the time the data were pulled for use in the 2024 Star Ratings. This page is available during the first plan preview. Table S-3 below explains each of the columns displayed on this page.

Table S-3: Measure Detail – Part C Appeals page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Appeal Number	The case ID assigned to the appeal request
Appeal Priority	The priority of the appeal (Std Pre-Service, Exp Pre-Service, Pre-Service B Drug, or Retro)
Status	The status of the appeal (Closed, Decided, Pending, Promoted, Remanded, Reopened, Requested)
Date Appeal Filed	The Date the Plan Reconsideration was requested, as reported by the Part C Plan
Corrected Appeal Date	The Date Appeal Filed, as determined by the IRE/QIC
Date File Received (QIC)	The Date the IRE/QIC received the Appeal from the Part C Plan
Level 1 Extension	Indicates if the contract took an extension during their processing of the reconsideration, as reported by the contract
Adjusted Plan Interval	The number of days between the Date Appeal Filed (or Corrected Appeal Date, if applicable) and the Date File Received (QIC) adjusted based on the Appeal Priority (Std Pre-Service, Exp Pre-Service, or Retro) and adjusted to account for 5 mailing days
Appeal Decision	Decision associated with the appeal: Dismiss Appeal, Dismissed – Plan Approved Coverage, Favorable (Overturn MCO Denial), Partially Favorable (Partly Overturn MCO Denial), Unfavorable (Uphold MCO Denial), Withdraw Appeal, Remand to Plan.
Late Indicator	Indicates if the appeal case was considered late or not (0=Not Late, 1=Late)

4. Measure Detail – SNP CM page

The Measure Detail – SNP CM page contains the underlying data used in calculating the Part C SNP Care Management measure (C05). The formulas used to calculate the SNP CM measure are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-4 below explains each of the columns displayed on this page.

Table S-4: Measure Detail – SNP CM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Number of new enrollees	Number of new SNP enrollees eligible for an initial assessment (Data Element A)
Number of enrollees eligible for an annual HRA	Number of SNP enrollees eligible for an annual reassessment (Data Element B)
Number of initial HRAs performed on new enrollees	Number of initial assessments performed on new SNP enrollees (Data Element C)
Number of annual reassessments performed	Number of annual reassessments performed on eligible SNP enrollees (Data Element F)
Total Number of SNP Enrollees Eligible	Final measure numerator (Data Elements A + B)
Total Number of Assessments Performed	Final measure denominator (Data Elements C + F)
Percent of Eligible SNP Enrollees Receiving an Assessment	Final measure score
Data Validation Score	The data validation score for the contract
Reason for Exclusion	Reason (if any) contract submitted data was not used to generate a score

5. Measure Detail – HEDIS page

The Measure Detail – HEDIS page contains the underlying data used in calculating the Part C HEDIS SNP Care for Older Adults measures, the Transitions of Care measure and the Plan All-Cause readmissions measure. The formulas used to calculate the SNP measures are detailed in [Attachment E](#). The formula used to calculate the PCR measure is detailed in [Attachment F](#). This page is available during the first plan preview. Table S-5 below explains each of the columns displayed on this page and Table S-6 explains the HEDIS audit designations.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
PBP ID	The Plan Benefit Package number associated with the data
Measure ID	The Star Ratings measure ID that corresponds to the data in the given row
Measure Name	The measure name that corresponds to the data in the given row
Rate	The measure rate
Eligible Population	The measure eligible population
Observed Count	The measure observed count (only applicable for PCR)
Expected Count	The expected count (only applicable for PCR)
Denominator	The measure denominator
Audit Designation	The audit designation (the audit codes are defined in the next table)
Status	The status (the status codes are defined in the next table)
Average Plan Enrollment	The average enrollment in the PBP during 2022 (see section Contract Enrollment Data)

Table S-6: HEDIS 2022 Audit Designations and 2024 Star Ratings

Audit Designation	Status	NCQA Description	Resultant Star Rating
R	R	Reportable	Assigned 1 to 5 stars depending on reported value
BR	R or NA	Biased Rate	1 star, numeric data set to “CMS identified issues with this plan’s data”
R	NA	Small Denominator	“Not enough data available”
NB	R or NA	No Benefit	“Benefit not offered by plan”
NR	R or NA	Not Reported	1 star, numeric data set to “CMS identified issues with this plan’s data”
NQ	R or NA	Not Required	“Plan not required to report measure” (applies only to 1876 Cost in the PCRb measure)
UN		Un-Audited	Not possible in Star Ratings measures which only use audited data

6. Measure Detail – CTM page

The Measure Detail – CTM page contains the case level data of the non-excluded cases used in producing the Part C & Part D Complaints measure (C25/D02). This page is available during the first plan preview. Table S-7 below explains each of the columns displayed on this page.

Table S-7: Measure Detail – CTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Complaint ID	The case number associated with the complaint in the HPMS CTM module
Complaint Category	The complaint category code
CMS Issue	Is the complaint designated as a CMS issue? (Yes/No)
Category	The complaint category description of CMS or plan lead
Subcategory	The complaint subcategory description associated with this case
Subcategory — Other	The complaint additional subcategory description associated with this case
Contract Assignment / Reassignment Date	The date that complaints are assigned or re-assigned to contracts

7. Measure Detail – Disenrollment

The Measure Detail – Disenrollment page contains data that are used in calculating the Part C & Part D disenrollment measure (C26/D03). The page shows the denominator, unadjusted numerator and original rate received from the MBDSS annual report. It also contains the adjusted numerator and final rate after all members meeting the measure exclusion criteria described in the measure description have been removed. This page is available during the first plan preview. Table S-8 below explains each of the columns displayed on this page.

Table S-8: Measure Detail – Disenrollment page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Number Enrolled	The number of all members in the contract from MBDSS annual report
Number Disenrolled	The number disenrolled with a disenrollment reason code of 11, 13, 14 or 99, from the MBDSS annual report
Original Rate	The disenrollment rate as calculated by the annual MBDSS report
Adjusted Disenrolled	The adjusted numerator when all members who meet the measure exclusion criteria are removed
Adjusted Rate	The final adjusted disenrollment rate used in the Star Ratings
>1000 Enrolled	Flag indicates contract non-employer group enrollment >1,000 members during the year or contracts that did not have any disenrollments meeting the inclusion criteria (True = Yes, False = No)

8. Measure Detail – DR (Disenrollment Reasons)

The Measure Detail – Disenrollment Reasons page contains the data from the Disenrollment Reasons Survey (DRS). The Disenrollment Reasons data are not used at any point in the calculations of the Star Ratings but are provided in HPMS for information only at this time. The data come from surveys sent to enrollees who disenrolled between 1/1/2022 and 12/31/2022. Scores are suppressed if they are measured with very low reliability (< 0.60) and not statistically different from the national mean. This page is available during the first plan preview. Table S-9 below explains each of the columns displayed on this page.

Table S-9: Measure Detail – Disenrollment Reasons page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
DR PGPPNC	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)
DR PCDH	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)
DR FRD	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)
DR PPDBC	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)
DR PGIHP	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)

9. Measure Detail – MTM page

The Measure Detail – MTM page contains each contract's underlying denominator and numerator after measure specifications have been applied to the plan-reported validated data to calculate the Part D MTM Program Completion Rate for CMR (D11). The formulas used to calculate the MTM measure are detailed in [Attachment N](#). This page is available during the first plan preview. Table S-10 below explains each of the columns displayed on this page.

Table S-10: Measure Detail – MTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Part D Enrollees	The number of Part D enrollees in the contract (average monthly HPMS enrollment)
Total MTM Enrollees, All	The number of Part D enrollees enrolled in the contract's MTM program (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted, Adjusted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D plan-reported data) after measure specifications applied as detailed in Attachment N . (Measure Denominator)
Total MTM Enrollees, Targeted, Adjusted, Who Received a CMR	The number of beneficiaries from the denominator who received a CMR. (Measure Numerator)
MTM Program Completion Rate for CMR	The percent of MTM program enrollees who received a CMR. (Measure Numerator)/(Measure Denominator)
MTM Section Data Validation Score	Contract's score in data validation (DV) for their MTM Program Reporting Requirements data
Reason(s) for Display Message	Reason(s) for display message assignment (if applicable)

The Measure Detail – CAHPS page contains the underlying data used in calculating the Part C & D CAHPS measures: Annual Flu Vaccine (C03), Getting Needed Care (C19), Getting Appointments and Care Quickly (C20), Customer Service (C21), Rating of Health Care Quality (C22), Rating of Health Plan (C23), Care Coordination (C24), Rating of Drug Plan (D05), and Getting Needed Prescription Drugs (D06). This page is available during the first plan preview. Table S-11 below explains each of the columns displayed on this page.

Table S-11: Measure Detail – CAHPS page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
CAHPS Measure	The CAHPS measure identifier followed by the Star Ratings measure id in parenthesis
Reliability	The contract-level reliability of the measure data
Statistical Significance	The statistical significance of the measure data (Below Average, No Difference, Above Average)
Use N	The number of usable surveys with responses to the item, or at least one item of a composite
Mean Score on Original Scale	The mean score on the original survey response scale
Variance of Mean on Original Scale	The sampling variance of contract mean ("Mean score") on the original scale
Standard Error on Original Scale	The standard error of the contract mean ("Mean score") on the original scale; square root of "variance"
Scaled Mean	The contract mean score rescaled to a 0-100 scale
Scaled SE	The standard error of the 0-100 scaled mean
Base Group	Categories determined by the percentile cutoffs from the distribution of mean scores
Star Rating	Determined by the percentile cutoffs, statistical significance of the difference of the contract mean from the overall mean, the statistical reliability of the estimate, and standard error of the mean score

11. Calculation Detail – MD

The Calculation Detail – MD page contains the summary of service area and enrollment data used to calculate the percentages for use in the Major Disaster rules for the individual measures. This page is available during the first plan preview. Table S-12 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Disaster Flag 2022	Indicates if the contract was affected by a 2022 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2022	The total number of counties in the contract's 2022 service area (SA)
Num Cnty IA 2022	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2022 disaster
IA Enrolled 2022	The number of members residing in the contract SA designated FEMA IA counties in a 2022 disaster
Total Enrolled 2022	The total number of members residing in the contract's 2022 SA
IA % 2022	The percent of members living in IA areas in a 2022 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2022	The percent of members living in IA areas in a 2022 disaster rounded to an integer
greater than 25% 2022	Flag that indicates if the contract has met the 25% threshold for 2022 disasters (Yes: greater than or equal to 25%, No: less than 25%)
greater than 60% 2022	Flag that indicates if the contract has met the 60% threshold for 2022 disasters (Yes: greater than or equal to 60%, No: less than 60%)
Disaster Flag 2021	Indicates if the contract was affected by a 2021 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2021	The total number of counties in the contract's 2021 service area (SA)
Num Cnty IA 2021	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2021 disaster
IA Enrolled 2021	The number of members residing in the contract SA designated FEMA IA counties in a 2021 disaster
Total Enrolled 2021	The total number of members residing in the contract's 2021 SA
IA % 2021	The percent of members living in IA areas in a 2021 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2021	The percent of members living in IA areas in a 2021 disaster rounded to an integer
greater than or equal to 25% 2021	Flag that indicates if the contract has met the 25% threshold for 2021 disasters (Yes: greater than or equal to 25%, No: less than 25%)

12. Calculation Detail – CAI

The Calculation Detail – CAI page contains the enrollment data used to calculate the percentages for use in the Categorical Adjustment Index (CAI) to determine the Final Adjustment Categories for each of the summary and overall rating calculations. This page is available during the first plan preview. Table S-13 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Puerto Rico Only	Does the contract's non-employer service area only cover Puerto Rico? Yes or No
Contract Type	The contract plan type used to compute the ratings
Part D Offered	Is Part D offered by the contract? Yes or No
Enrolled	The total number enrolled in the contract used to determine the % LIS/DE and % Disabled
Num LIS/DE	The number of LIS/DE enrolled in the contract
Num Disabled	The number of Disabled enrolled in the contract
% LIS/DE	The percent of LIS/DE in the contract
% Disabled	The percent Disabled in the contract
Part C LIS/DE Initial Group	The Part C LIS/DE initial group this contract is in
Part C Disabled Quintile	The Part C Disabled Quintile group this contract is in
Part C FAC	The Part C Final adjustment category this contract is in
Part C CAI Value	The CAI value that will be combined with the final Part C summary score prior to rounding to half stars
Part D MA-PD LIS/DE Initial Group	The Part D MA-PD LIS/DE initial group this contract is in
Part D MA-PD Disabled Quintile	The Part D MA-PD Disabled Quintile group this contract is in
Part D MA-PD FAC	The Part D MA-PD Final adjustment category this contract is in
Part D MA-PD CAI Value	The CAI value that will be combined with the final Part D MA-PD summary score prior to rounding to half stars
Part D PDP LIS/DE Quartile	The Part D PDP LIS/DE Quartile group this contract is in
Part D PDP Disabled Quartile	The Part D PDP Disabled Quartile group this contract is in
Part D PDP FAC	The Part D PDP Final adjustment category this contract is in
Part D PDP CAI Value	The CAI value that will be combined with the final Part D PDP summary score prior to rounding to half stars
Overall LIS/DE Initial Group	The overall LIS/DE initial group this contract is in
Overall Disabled Quintile	The overall disabled Quintile group this contract is in
Overall FAC	The overall final adjustment category this contract is in
Overall CAI Value	The CAI value that will be combined with the final overall score prior to rounding to half stars

13. Measure Detail – HEDIS LE page

The Measure Detail – HEDIS LE page contains the data used to calculate the reliability of the HEDIS measures (C01, C02, C08 – C11, C14 – C18) data for contracts with ≥ 500 and $< 1,000$ members enrolled in July of the measurement year (July 01, 2022). This page is available during the second plan preview. Table S-14 below explains each of the columns displayed on this page.

Table S-14: Measure Detail – HEDIS LE page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Measure ID	The Star Ratings measure that the other data on this row is associated with
Rate	The submitted HEDIS rate
Score	The rounded value used for the measure in the Star Ratings
Enrollment	The contract enrollment for July 2022
Reliability	The computed reliability for the contract measure
Usable	The computed reliability ≥ 0.7 and rate is used = True, reliability < 0.7 and rate was not used = False

14. Measure Detail – C MD Results

The Part C Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-15 below explains the columns displayed on this page.

Table S-15: Measure Detail – C MD Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2024 Star Ratings Part C measure ID
2023 Value	The numeric measure value for the contract from the 2023 Star Ratings
2023 Star	The measure star for the contract from the 2023 Star Ratings
2024 Value	The numeric measure value for the contract from the 2024 Star Ratings
2024 Star	The measure star for the contract from the 2024 Star Ratings
Final Value	The measure value to be used in the 2024 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2024 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

15. Measure Detail – D MD Results

The Part D Disaster Results page displays the measure level data handling results for contracts which had greater than or equal to 25% of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-16 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2024 Star Ratings Part D measure ID
2023 Value	The numeric measure value for the contract from the 2023 Star Ratings
2023 Star	The measure star for the contract from the 2023 Star Ratings
2024 Value	The numeric measure value for the contract from the 2024 Star Ratings
2024 Star	The measure star for the contract from the 2024 Star Ratings
Final Value	The measure value to be used in the 2024 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2024 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

16. Measure Detail – C Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part C measures. There is one column for each Part C measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part C measure columns which contains the final numeric Part C improvement score. This numeric result is described in [Attachment I](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part C measure calculations are shown in Table S-17 below.

Table S-17: Part C Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year
Low reliability and low enrollment	The low-enrollment contract measure score did not have sufficiently high reliability

17. Measure Detail – D Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part D measures. There is one column for each Part D measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part D measure columns which contains the final numeric Part D improvement score. This numeric result is described in [Attachment I](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part D measure calculations are shown in Table S-18 below.

Table S-18: Part D Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year

18. Measure Stars page

The Measure Stars page displays the Star Rating for each Part C and Part D measure. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measure stars which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains the data time frame. All subsequent rows contain the data for all individual contracts associated with the user’s login id. Table S-19 below shows a sample of the left hand most columns shown in HPMS.

Table S-19: Measure Stars page sample

Medicare Star Ratings Report Card Master Table

					HD1: Staying Healthy: Screenings, Tests and Vaccines		
					C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
Contract Number	Organization Marketing Name	Contract Name	Parent Organization		01/01/2022 - 12/31/2022	01/01/2022 - 12/31/2022	03/2023 - 06/2023
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available	
HBBBB	Market B	Contract B	PO B	Not enough data available	4	5	
HCCCC	Market C	Contract C	PO C	3	4	5	

19. Domain Stars page

The Domain Stars page displays the Star Rating for each Part C and Part D domain. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the domain stars which will display in MPF. There is one column for each of the Part C and Part D domains. The domain columns are identified by the domain id and domain name. All subsequent rows contain the stars associated with an individual contract. Table S-20 below shows a sample of the left hand most columns shown in HPMS.

Table S-20: Domain Star page sample

Medicare Star Ratings Report Card Master Table

Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines	HD2: Managing Chronic (Long Term) Conditions	HD3: Member Experience with Health Plan
HAAAA	Market A	Contract A	PO A	4	3	4
HBBBB	Market B	Contract B	PO B	3	3	3
HCCCC	Market C	Contract C	PO C	3	3	4

20. Part C Summary Rating page

The Part C Summary Rating page displays the Part C rating and data associated with calculating the final Part C summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-21 below explains each of the columns contained on this page.

Table S-21: Part C Summary Rating page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type.
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part C Summary FAC	Part C summary final adjustment category for the contract
CAI Value	The Part C summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value

HPMS Field Label	Field Description
Improvement Measure Usage	Did the final Part C summary rating come from the calculation using the improvement measure? (Yes/No)
New Measure Usage	Did the final Part C summary rating come from the calculation using the new measures? (Yes/No)
2024 Part C Summary Rating	The final rounded 2024 Part C Summary Rating

21. Part D Summary Rating page

The Part D Summary Rating page displays the Part D rating and data associated with calculating the final Part D summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-22 below explains each of the columns contained on this page.

Table S-22: Part D Summary Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part D Summary FAC	Part D summary final adjustment category for the contract
CAI Value	The Part D summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part D summary rating come from the calculation using the improvement measure? (Yes/No)
2024 Part D Summary Rating	The final rounded 2024 Part D Summary Rating

22. Overall Rating page

The Overall Rating page displays the overall rating for MA-PD contracts and data associated with calculating the final overall rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-23 below explains each of the columns contained on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Major Disaster Percentage 2022	The percentage of members living in an Individual Assistance area in 2022 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
2024 Part C Summary Rating	The 2024 Part C Summary Rating
2024 Part D Summary Rating	The 2024 Part D Summary Rating
Calculated Summary Mean	Contains the weighted mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Overall FAC	Overall final adjustment category for the contract
CAI Value	The Overall CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final overall rating come from the calculation using the improvement measures? (Yes/No)
New Measure Usage	Did the final overall rating come from the calculation using the new measures? (Yes/No)
2024 Overall Rating	The final 2024 Overall Rating

23. Low Performing Contract List

The Low Performing Contract List page displays the contracts that received a Low Performing Icon and the data used to calculate the assignment. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a Low Performing Icon. Table S-24 below explains each of the columns contained on this page.

Table S-24: Low Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
2022 C Summary	The 2022 Part C Summary Rating earned by the contract
2022 D Summary	The 2022 Part D Summary Rating earned by the contract
2023 C Summary	The 2023 Part C Summary Rating earned by the contract
2023 D Summary	The 2023 Part D Summary Rating earned by the contract
2024 C Summary	The 2024 Part C Summary Rating earned by the contract
2024 D Summary	The 2024 Part D Summary Rating earned by the contract
Reason for LPI	The combination of ratings that met the Low Performing Icon rules. Valid values are "Part C," "Part D," "Part C and D," & "Part C or D." See the section titled "Methodology for Calculating the Low Performing Icon" for details.

24. High Performing Contract List

The High Performing Contract List page displays the contracts that received a High Performing Icon. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a High Performing Icon. Table S-25 below explains each of the columns contained on this page.

Table S-25: High Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
Highest Rating	The highest level of rating that can be achieved for this organization, valid values are "Part C Summary," "Part D Summary," "Overall Rating"
Rating	The star value attained in the highest rating for the organization type

25. Technical Notes link

The Technical Notes link provides the user with a copy of the 2024 Star Ratings Technical Notes. A draft version of these technical notes is available during the first plan preview. The draft is then updated for the second plan preview, and then finalized when the ratings data have been posted to MPF. Other updates may occur to the technical notes if errors are identified outside of the plan preview periods and after MPF data release.

Left clicking on the Technical Notes link will open a new browser window which will display a PDF (portable document format) copy of the 2024 Star Ratings Technical Notes. Right clicking on the Technical Notes link will pop up a context menu which contains Save Target As...; clicking on this will allow the user to download and save a copy of the PDF document.

The Medication NDC List link provides the user a means to download a copy of the medication lists used for the Medication Adherence measures (D08 – D10) & SUPD (D12). This downloadable file is in Zip format and contains two Excel files.

27. Part C and Part D Example Measure Data

The Part C and Part D Example Measure Data link provides the user with a means to download a copy of the data for the Breast Cancer Screening Part C measure, and the Complaints about the Plan Part D measure and the MTM Program Completion Rate for CMR Part D measure for the full set of contracts used to calculate the cut points. The data are de-identified such that individual contract's data cannot be determined. The data include the measure value, a flag for contracts that had data issues, and two flags identifying contracts with ≥ 25 percent and ≥ 60 percent of enrollees living in an area affected by a disaster. There is also a flag in the Part C measure file to identify HEDIS low enrollment contracts. There is also a flag in the Part D measure files identifying contracts as MAPD or PDP. This downloadable is in Zip format and contains three Excel files.



Medicare 2023 Part C & D Star Ratings Technical Notes

Updated – 01/19/2023

Document Change Log

Previous Version	Description of Change	Revision Date
9/28/2022	Fixed a typo in the 1- and 2- star cut points for measure C24 and D02 (MAPD cut points only) and fixed a typo in the description of the restricted range cap under Methodology for Assigning Stars to the Part C and Part D Measures and in Attachment J.	1/19/2023

OMB Approved Data Sources

The data collected for the Part C & D Star Ratings come from a variety of different data sources approved under the following Office of Management and Budget (OMB) Paperwork Reduction Act numbers:

Data Source	OMB Number
Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys	0938-0732
Health Outcomes Survey (HOS)	0938-0701
Healthcare Effectiveness Data and Information Set (HEDIS)	0938-1028
Part C Reporting Requirements	0938-1054
Part D Reporting Requirements	0938-0992
Data Validation of Part C/D Reporting Requirements data	0938-1115

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Introduction

CMS created the Part C & D Star Ratings to provide quality and performance information to Medicare beneficiaries to assist them in choosing their health and drug services during the annual fall open enrollment period. We refer to them as the ‘2023 Medicare Part C & D Star Ratings’ because they are posted prior to the 2023 open enrollment period.

This document describes the methodology for creating the Part C & D Star Ratings displayed on the Medicare Plan Finder (MPF) at <http://www.medicare.gov/> and posted on the CMS website at <http://go.cms.gov/partcanddstarratings>. A Glossary of Terms used in this document can be found in [Attachment R](#).

The Star Ratings data are also displayed in the Health Plan Management System (HPMS). In HPMS, the data can be found by selecting: “Quality and Performance,” then “Performance Metrics,” then “Reports,” then “Star Ratings and Display Measures,” then “Star Ratings” for the report type, and “2023” for the report period. See [Attachment S](#): Health Plan Management System Module Reference for descriptions of the HPMS pages.

The Star Ratings Program is consistent with the “Meaningful Measures” framework which focuses on measures related to person-centered care, equity, safety, affordability and efficiency, chronic conditions, wellness and prevention, seamless care coordination, and behavioral health. With Meaningful Measures 2.0, CMS plans to better address health care priorities and gaps, emphasize [digital quality measurement](#), and promote patient perspectives of care. The Star Ratings include measures applying to the following five broad categories:

- Outcomes: Outcome measures reflect improvements in a beneficiary’s health and are central to assessing quality of care.
- Intermediate outcomes: Intermediate outcome measures reflect actions taken which can assist in improving a beneficiary’s health status. Diabetes Care – Blood Sugar Controlled is an example of an intermediate outcome measure where the related outcome of interest would be better health status for beneficiaries with diabetes.
- Patient experience: Patient experience measures reflect beneficiaries’ perspectives of the care they received.
- Access: Access measures reflect processes and issues that could create barriers to receiving needed care. Plan Makes Timely Decisions about Appeals is an example of an access measure.
- Process: Process measures capture the health care services provided to beneficiaries which can assist in maintaining, monitoring, or improving their health status.

Differences between the 2022 Star Ratings and 2023 Star Ratings

There have been several changes between the 2022 Star Ratings and the 2023 Star Ratings. This section provides a synopsis of the notable differences; the reader should examine the entire document for full details about the 2023 Star Ratings. A table with the complete history of measures used in the Star Ratings can be found in [Attachment I](#).

- Changes
 - a. Guardrails were added to the hierarchical clustering methodology that is used to set cut points for non-CAHPS measures.
 - b. The measure weight of the patient experience/complaints and access measures was increased from a weight of 2 to a weight of 4.
 - c. Re-specified Part C Controlling Blood Pressure measure moved into the 2023 Star Ratings as a new measure with a weight of 1 for the first year.

- d. The Part D Statin Use in Persons with Diabetes measure was recategorized as a process measure with a weight of 1.
- e. For 2023 Star Ratings only, modify the disaster policy to remove application of the 60% rule and avoid the exclusion of contracts with 60% or more of their enrollees living in FEMA-designated Individual Assistance areas from calculation of the measure-level cut points for the 3 HEDIS-HOS measures (Monitoring Physical Activity, Reducing the Risk of Falling, and Improving Bladder Control).
- Transitioned measures (Moved to the display page on the CMS website:
<http://go.cms.gov/partcanddstarratings>)
 - a. None
- Retired measures
 - a. Part C measure – Rheumatoid Arthritis Management

Health/Drug Organization Types Included in the Star Ratings

All health and drug plan quality and performance measure data described in this document are reported at the contract/sponsor level. Table 1 lists the contract year 2023 organization types and whether they are included in the Part C and/or Part D Star Ratings.

Table 1: Contract Year 2023 Organization Types Reported in the 2023 Star Ratings

Organization Type	Technical Notes Abbreviation	Medicare Advantage (MA)	Can Offer SNPs	Part C Ratings	Part D Ratings
1876 Cost	1876 Cost	No	No	Yes	Yes (if drugs offered)
Demonstration (Medicare-Medicaid Plan) †	MMP	No	No	No	No
Demonstration (Person Centered Community Care)	PCCC	No	No	No	No
Employer/Union Only Direct Contract Local Coordinated Care Plan (CCP)	CCP	Yes	No	Yes	Yes
Employer/Union Only Direct Contract Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Employer/Union Only Direct Contract Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
HCPP 1833 Cost	HCPP	No	No	No	No
Local Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Medical Savings Account (MSA)	MSA	Yes	No	Yes	No
National PACE	PACE	No	No	No	No
Medicare Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
Regional Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Religious Fraternal Benefit Private Fee-for-Service (RFB PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)

† Note: The measure scores from these organizations are displayed in HPMS only during the first plan preview. Data from these organizations are not used in calculating the Part C & D Star Ratings.

The Star Ratings Framework

The Star Ratings are based on health and drug plan quality and performance measures. Each measure is reported in two ways:

Score: A score is either a numeric value or an assigned 'missing data' message.

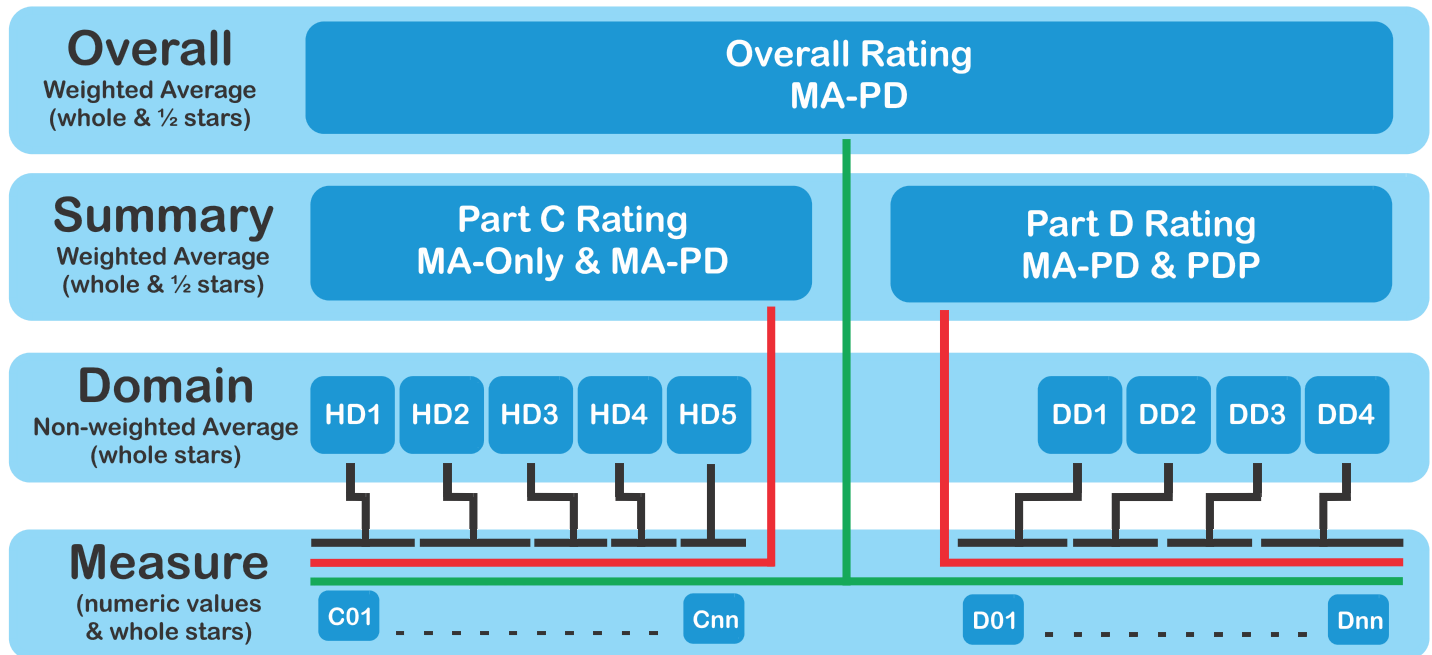
Star: The measure numeric value is converted to a Star Rating.

The measure Star Ratings are combined into three groups and each group is assigned 1 to 5 stars. The three groups are:

- Domain:** Domains group together measures of similar services. Star Ratings for domains are calculated using the non-weighted average Star Ratings of the included measures.
- Summary:** Part C measures are grouped to calculate a Part C Rating; Part D measures are grouped to calculate a Part D Rating. Summary ratings are calculated from the weighted average Star Ratings of the included measures.
- Overall:** For MA-PDs, all unique Part C and Part D measures are grouped to create an overall rating. The overall rating is calculated from the weighted average Star Ratings of the included measures.

Figure 1 shows the four levels of Star Ratings that are calculated and reported publicly.

Figure 1: The Four Levels of Star Ratings



The whole star scale used at the measure and domain levels is shown in Table 2.

Table 2: 5-Star Scale

Numeric	Graphic	Description
5	★★★★★	Excellent
4	★★★★☆	Above Average
3	★★★☆☆	Average
2	★★☆☆☆	Below Average
1	★☆☆☆☆	Poor

To allow for more variation across contracts, CMS assigns half stars to the summary and overall ratings.

As different organization types offer different benefits, CMS classifies contracts into three contract types. The highest level Star Rating differs among the contract types because the set of required measures differs by contract type. Table 3 clarifies how CMS classifies contracts for purposes of the Star Ratings and indicates the highest rating available for each organization type.

Table 3: Relation of 2023 Organization Types to Contract Types and Highest Rating in the 2023 Star Ratings

Organization Type	1876 Cost (no drugs) †	1876 Cost (offers drugs) †	CCP	MSA	PDP	PFFS (no drugs)	PFFS (offers drugs)
Rated As	MA-Only	MA-PD	MA-PD	MA-Only	PDP	MA-Only	MA-PD
Highest Rating	Part C rating	Overall Rating	Overall Rating	Part C Rating	Part D Rating	Part C Rating	Overall Rating

† Note: While 1876 contracts are not MA contracts, for the purposes of determining the highest rating they are considered to be rated as either “MA-only” or “MA-PD” depending on whether they offer drugs.

Sources of the Star Ratings Measure Data

The 2023 Star Ratings include a maximum of 9 domains comprised of a maximum of 40 measures.

- MA-Only contracts are measured on 5 domains with a maximum of 28 measures.
- PDPs are measured on 4 domains with a maximum of 12 measures.
- MA-PD contracts are measured on all 9 domains with a maximum of 40 measures, 38 of which are unique measures. Two of the measures are shown in both Part C and Part D so that the results for a MA-PD contract can be compared to an MA-Only contract or a PDP contract. Only one instance of those two measures is used in calculating the overall rating. The two duplicated measures are Complaints about the Health/Drug Plan (CTM) and Members Choosing to Leave the Plan (MCLP).

For a health and/or drug plan to be included in the Part C & D Star Ratings, they must have an active contract with CMS to provide health and/or drug services to Medicare beneficiaries. All of the data used to rate the plans are collected through normal contractual requirements or directly from CMS systems. Information about Medicare Advantage contracting can be found at: <https://www.cms.gov/Medicare/Medicare-Advantage/MedicareAdvantageApps/index.html> and Prescription Drug Coverage contracting at: <https://www.cms.gov/Medicare/Prescription-Drug-coverage/PrescriptionDrugCovContra/index.html>.

The data used in the Star Ratings come from four categories of data sources which are shown in Figure 2.

Figure 2: The Four Categories of Data Sources



Improvement Measures

Unlike the other Star Rating measures which are derived from data sources external to the Star Ratings, the Part C and Part D improvement measures are derived through comparisons of a contract's current and prior year measure scores. For a measure to be included in the improvement calculation the measure must not have had a significant specification change during those years. The Part C improvement measure includes only Part C measure scores and the Part D improvement measure includes only Part D measure scores. The measures and formulas for the improvement measure calculations are found in [Attachment H](#).

The numeric results of these calculations are not publicly posted; only the measure ratings are reported publicly. Further, to receive a Star Rating in the improvement measures, a contract must have measure scores for both years in at least half of the required measures used to calculate the Part C improvement or Part D

improvement measures. Improvement scores are not calculated for reconfigured regional contracts until data is available for the reconfigured structure from both years. Improvement scores are not calculated for consolidated contracts in their first year. Table 4 presents the minimum number of measure scores required to receive a rating for the improvement measures.

Table 4: Minimum Number of Measure Scores Required for an Improvement Measure Rating by Contract Type

Part	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	11 of 21	12 of 23	13 of 26	9 of 18	11 of 22	N/A	12 of 23
D	5 of 10*	5 of 11	5 of 11	5 of 9	N/A	5 of 11	5 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

For a detailed description of all Part C and Part D measures, see the section entitled “Framework and Definitions for the Domain and Measure Details.”

Contract Enrollment Data

The enrollment data used in the Part C and Part D “Complaints about the Health/Drug Plan” measures are pulled from HPMS. These enrollment files represent the number of enrolled beneficiaries the contract was paid for in a specific month. For these measures, twelve months of enrollment files are pulled (January 2021 through December 2021) and the average enrollment across those months is used in the calculations.

Enrollment data are also used when combining the plan-level data into contract-level data in the two Part C “Care for Older Adults” Healthcare Effectiveness Data and Information Set (HEDIS) measures. (“The Care of Older Adults – Functional Status Assessment” measure is currently on the display page). When there is a reported rate, the eligible population in the plan benefit package (PBP) submitted with the HEDIS data is used. If the audit designation for the PBP level HEDIS data is set to “Not Reported” (NR) or “Biased Rate” (BR) by the auditor (see following section), there is no value in the eligible population field. In these instances, twelve months of PBP-level enrollment files are pulled (January 2021 through December 2021), and the average enrollment in the plan across those months is used in calculating the combined rate.

Handling of Biased, Erroneous, and/or Not Reportable (NR) Data

The data used for CMS’s Star Ratings must be accurate and reliable. CMS has identified issues with some contracts’ data and has taken steps to protect the integrity of the data. For any measure scores CMS identifies to be based on inaccurate or biased data, CMS’s policy is to reduce a contract’s measure rating to 1 star and set the measure score to “CMS identified issues with this plan’s data.”

Inaccurate or biased data result from the mishandling of data, inappropriate processing, or implementation of incorrect practices. Examples include, but are not limited to: a contract’s failure to adhere to HEDIS, Health Outcomes Survey (HOS), or CAHPS reporting requirements; a contract’s failure to adhere to Medicare Plan Finder data requirements; a contract’s errors in processing organization determinations and appeals; compliance actions taken against the contract due to errors in operational areas that impact the data reported or processed for specific measures; or a contract’s failure to pass validation of the data reported for specific measures.

For HEDIS data, CMS uses the audit designation information assigned by the HEDIS auditor. An audit designation of ‘NR’ (Not reported) is assigned when the contract chooses not to report the measure. An audit designation of ‘BR’ (Biased rate) is assigned when the individual measure score is materially biased (e.g., the auditor informs the contract the data cannot be reported to the National Committee for Quality Assurance (NCQA) or to CMS). When either a ‘BR’ or ‘NR’ designation is assigned to a HEDIS measure audit designation, the contract receives 1 star for the measure and the measure score is set to “CMS identified issues with this plan’s data.” In addition, CMS reduces contracts’ HEDIS measure ratings to 1 star if the patient-level data files are not successfully submitted and validated by the submission deadline. Also, if the HEDIS summary-level data value varies substantially from the value in the patient-level data, the measure is reduced to a rating of 1 star. If an approved CAHPS or HOS vendor does not submit a contract’s CAHPS or

HOS data by the data submission deadline, the contract automatically receives a rating of 1 star for the CAHPS or HOS measures and the measure scores are set to “CMS identified issues with this plan’s data.”

Scaled Reductions for the Appeals Measures

There are two Part C Star Ratings appeals measures that rely on data submitted to the IRE: Plan Makes Timely Decisions about Appeals and Reviewing Appeals Decisions. The completeness of the IRE data is critical to allow accurate measurement of each of the appeals measures. All contracts are responsible and held accountable for ensuring high quality and complete data to maintain the validity and reliability of the measures. CMS conducts an industry wide monitoring project to collect data to evaluate the timeliness of processing of Medicare Advantage (Part C) organization determinations and reconsiderations. Through this Timeliness Monitoring Project’s data collection (TMP data), CMS can assess all sponsors’ timeliness, as well as sponsor compliance with forwarding cases to the IRE.

CMS uses statistical criteria to reduce a contract’s appeals measure-level Star Ratings for data that are not complete or lack integrity using TMP or audit data. The reduction is applied to the measure-level Star Ratings of the applicable Part C appeals measures. Because there are varying degrees of data accuracy and integrity issues, the methodology for reductions reflects the degree of the data accuracy issue for a contract instead of a one-size-fits-all approach. The methodology employs scaled reductions (one-star, two-star, three-star, or four-star reduction) based on the degree of severity of missing or compromised IRE data. Contracts with the highest IRE data quality issues (i.e., largest percentage of missing or compromised data) receive the largest reductions, while contracts with a lower degree of missing IRE data receive a smaller reduction. The most severe reduction for IRE data completeness issues is a four-star reduction, thus resulting in measure-level Star Ratings of one star for the associated appeals measures. If a contract receives a reduction due to missing Part C IRE data, the reduction is applied to both of the contract’s Part C appeals measures. If a contract fails to submit TMP data for CMS’s review to ensure the completeness of their IRE data, the contract receives one-star for the associated appeals measures. (This is similar to how CMS treats measures that are dependent on contracts’ completion of data validation of plan-reported data.)

CMS’s scaled reduction methodology is a three-stage process using the TMP data or audit to determine: first, whether a contract may be subject to a potential reduction for the Part C appeals measures; second, as the basis for the determination of the estimated error rate; and finally, whether the estimated value is statistically significantly greater than the cut points for the scaled reductions of 1, 2, 3, or 4 stars. Details of the methodology are available in [Attachment O](#).

Once the scaled reduction for a contract is identified using the methodology, the reduction is applied to a contract’s associated appeals measure-level Star Ratings. Since the minimum measure-level Star Rating is one star, if the difference between the associated appeals measure-level Star Rating (before the application of the reduction) and the identified scaled reduction is less than one, the contract will receive a measure-level Star Rating of one star for the appeals measure. If a contract does not qualify for the Part C measures due to number of eligible cases (the denominator is less than or equal to 10), but is found to qualify for a reduction, the contract will receive the reduction.

If a scaled reduction is applied to the Part C appeals measure in either the current or the previous year, the associated appeals measures will not be included in the Health Plan Quality Improvement measure.

Data Handling of Measures for Contracts Affected by a Major Disaster

CMS has a policy for making adjustments in the Star Ratings to take into account major disasters. That policy was described in the 2023 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>.) This is also codified in regulation at §422.166(i) and §423.186(i).

This section describes how the policy is implemented for measures from each of the different data sources in the 2023 Star Ratings. The methodology used by CMS to identify the major disaster geographic areas,

determine which contracts were affected, and how much of their geographic service area and percent of enrollment resided in an affected area can be found in [Attachment P](#).

The disaster policy specified two distinct thresholds of “25% or more” and “60% or more” of the contract’s membership at the time of the disaster resided in a FEMA-designated Individual Assistance area. CMS calculated the percentage of enrollment affected for every contract being rated and applied the following rules to the data from those contracts that meet or exceed either of the two thresholds.

- CAHPS adjustments:
 - All contracts were required to administer the 2022 CAHPS survey unless the contract requested and CMS approved an exemption.
 - All affected contracts with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster receive the higher of the 2022 or the 2023 Star Rating (and corresponding measure score) for each CAHPS measure (including the annual flu vaccine measure).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated individual Assistance areas that were affected by disasters that began in 2021 were also affected by disasters in 2020. These doubly-affected contracts receive the higher of the 2023 Star Rating or what the 2022 Star Ratings would have been in the absence of any adjustments that took into account the effects of the 2020 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected). For example, if doubly-affected contract reverted back to the 2021 Star Rating on a given measure in the 2022 Star Ratings, the 2021 Star Rating is *not* used in determining the 2023 Star Rating. Rather the 2023 Star Rating is compared to what the 2022 Star Rating would have been absent any disaster adjustments.
- HEDIS-HOS adjustments:
 - The HEDIS-HOS data used in the 2023 Star Ratings are adjusted for 2020 disasters (see Attachment P of the 2022 Star Ratings Technical Notes for the identification of contracts affected by 2020 disasters).
 - All affected contracts (i.e., contracts affected by 2020 disasters) with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster received the higher of the 2022 or the 2023 Star Rating (and corresponding measure score) for each HEDIS-HOS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2020 were also affected by disasters in 2019. These doubly-affected contracts receive the higher of the 2023 Star Rating or what the 2022 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2019 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- HEDIS adjustments:
 - All contracts were required to report HEDIS 2022 unless the contract requested and CMS approved an exemption. Contracts were able to work with NCQA to adjust samples if necessary.
 - Contracts with 25% or more affected members received the higher of the 2022 or 2023 Star Rating (and corresponding measure scores) for each HEDIS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2021 were also affected by disasters in 2020. These doubly-affected contracts receive the higher of the 2023 Star Rating or what the 2022 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2020 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- Part C and D Call Center:

- For all contracts, no adjustments were made.
- New measures:
 - Contracts with 25% or more affected members have a hold harmless provision applied which compares the result of a contract's overall rating "with" and "without" including the new Controlling Blood Pressure measure. If the "with" result is lower than the "without" result, then we use the "without" result as the final highest level rating.
 - A similar hold harmless provision is applied for the Part C summary ratings. If a contract has 25% or more affected members, the Part C summary rating is calculated "with" and "without" the new Controlling Blood Pressure, and if the "with" result is lower than the "without" result, then we use the "without" result for the final summary rating.
- All other measures:
 - Contracts with 25% or more affected members receive the higher of the 2022 or 2023 measure stars (and corresponding measure scores).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2021 were also affected by disasters in 2020. These doubly-affected contracts receive the higher of the 2023 Star Rating or what the 2022 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2020 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- All adjustments:
 - For all adjustments, if the Star Rating is the same in both years, the Star Rating and the measure score from the most recent year are used.
- Improvement measures:
 - For affected contracts that reverted back to the data underlying the previous year's Star Rating for a particular measure for either 2022 or 2023 Star Ratings, that measure is excluded from both the count of measures (used to determine whether the contract has at least half of the measures needed to calculate the relevant improvement measure) and the improvement measures calculation. Affected contracts do not have the option of reverting to the prior year's improvement rating.
- Affected contracts with missing data:
 - If an affected contract has missing data in either the current or previous year (e.g., because of a data integrity issue, it is too new, or it is too small), the final measure rating comes from the current year.
- Reward Factor:
 - Affected contracts with 60% or more of their enrollees impacted by a 2021 disaster are excluded from the determination of the performance summary and variance thresholds for the Reward Factor.
- Cut points:
 - Clustering Methodology: For all measures that use the clustering methodology for cut point generation, the measure scores for contracts with 60% or more of their enrollment affected by a disaster are excluded from creating those cut points. For the 2023 Star Ratings only, we will not exclude contracts with 60% or more of their enrollees living in FEMA-designated Individual Assistance areas from calculation of cut points for the 3 HEDIS-HOS measures.

CMS assigns stars for each numeric measure score by applying one of two methods: clustering, or relative distribution and significance testing. Each method is described below. [Attachment J](#) explains the clustering and relative distribution and significance testing (used for CAHPS measures) methods in greater detail.

The *Cut Point Trend* document is posted at <http://go.cms.gov/partcanddstarratings> and is updated after each rating cycle is released.

A. Clustering

This method is applied to the majority of the Star Ratings measures, ranging from operational and process-based measures, to HEDIS and other clinical care measures. Using this method, the Star Rating for each measure is determined by applying a clustering algorithm to the measure's numeric value scores from all contracts. Conceptually, the clustering algorithm identifies the "gaps" among the scores and creates four cut points resulting in the creation of five levels (one for each Star Rating). The scores in the same Star Rating level are as similar as possible; the scores in different Star Rating levels are as different as possible. Star Rating levels 1 through 5 are assigned with 1 being the worst and 5 being the best.

Technically, the variance in measure scores is separated into within-cluster and between-cluster sum of squares components. The clusters reflect the groupings of numeric value scores that minimize the variance of scores within the clusters. The Star Ratings levels are assigned to the clusters that minimize the within-cluster sum of squares. The cut points for star assignments are derived from the range of measure scores per cluster, and the star levels associated with each cluster are determined by ordering the means of the clusters.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are randomly separated into 10 equal-sized groups. The hierarchical clustering algorithm is then applied 10 times, each time leaving one of the 10 groups out of the clustered data. The method results in 10 sets of measure-specific cut points. The mean for each 1 through 5 star level cut point is taken across the 10 sets for each measure to produce the final cut points.

Guardrails are used to cap the amount of increase or decrease in measure cut point values from one year to the next. Specifically, each 1 to 5 star level cut point is compared to the prior year's value and capped at an increase or decrease of at most 5 percentage points for measures having a 0 to 100 scale (absolute percentage cap) or at most 5 percent of the prior year's restricted score range for measures not having a 0 to 100 scale (restricted range cap). The final capped cut points after comparing each 1 through 5 star level cut point to the prior year's values are used for assigning measure stars.

B. Relative Distribution and Significance Testing (CAHPS)

This method is applied to determine valid star cut points for CAHPS measures. In order to account for the reliability of scores produced from the CAHPS survey, the method combines evaluating the relative percentile distribution with significance testing. For example, to obtain 5 stars, a contract's CAHPS measure score needs to be ranked at least at the 80th percentile and be statistically significantly higher than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error above the 80th percentile. To obtain 1 star, a contract's CAHPS measure score needs to be ranked below the 15th percentile and be statistically significantly lower than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error below the 15th percentile.

Methodology for Calculating Stars at the Domain Level

A domain rating is the average, unweighted mean, of the domain's measure stars. To receive a domain rating, a contract must meet or exceed the minimum number of rated measures required for the domain. The minimum number of rated measures required for a domain is determined based on whether the total number of measures in the domain for a contract type is odd or even:

- If the total number of measures that comprise the domain for a contract type is odd, divide the number of measures in the domain by two and round the quotient to the next whole number.
 - Example: If the total number of measures required in a domain for a contract type is 3, the value 3 is divided by 2. The quotient, in this case 1.5, is then rounded to the next whole number. To receive a domain rating, the contract must have a Star Rating for at least 2 of the 3 required measures.
- If the total number of measures that comprise the domain for a contract type is even, divide the number of measures in the domain by two and add one to the quotient.
 - Example: If the total number of measures required in a domain for a contract type is 6, the value 6 is divided by 2. In this example, 1 is then added to the quotient of 3. To receive a domain rating, the contract must have a Star Rating for at least 4 of the 6 required measures.

Table 5 details the minimum number of rated measures required for a domain rating by contract type.

Table 5: Minimum Number of Rated Measures Required for a Domain Rating by Contract Type

Part	Domain Name (Identifier)	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	Staying Healthy: Screenings, Tests and Vaccines (HD1)	3 of 4	3 of 4	3 of 4	2 of 3	3 of 4	N/A	3 of 4
C	Managing Chronic (Long Term) Conditions (HD2)	5 of 8	5 of 9	7 of 12	6 of 11	5 of 9	N/A	5 of 9
C	Member Experience with Health Plan (HD3)	4 of 6	4 of 6	4 of 6	N/A	4 of 6	N/A	4 of 6
C	Member Complaints and Changes in the Health Plan's Performance (HD4)	2 of 3	2 of 3	2 of 3	2 of 3	2 of 3	N/A	2 of 3
C	Health Plan Customer Service (HD5)	2 of 2	2 of 3	2 of 3	2 of 3	2 of 2	N/A	2 of 3
D	Drug Plan Customer Service (DD1)	N/A*	1 of 1	1 of 1	1 of 1	N/A	1 of 1	1 of 1*
D	Member Complaints and Changes in the Drug Plan's Performance (DD2)	2 of 3*	2 of 3	2 of 3	2 of 3	N/A	2 of 3	2 of 3*
D	Member Experience with the Drug Plan (DD3)	2 of 2*	2 of 2	2 of 2	N/A	N/A	2 of 2	2 of 2*
D	Drug Safety and Accuracy of Drug Pricing (DD4)	4 of 6*	4 of 6	4 of 6	4 of 6	N/A	4 of 6	4 of 6*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts that offer drug benefits and which do not submit data for the MPF measure must have a rating in 3 out of 5 Drug Safety and Accuracy of Drug Pricing (DD4) measures to receive a rating in that domain.

Summary and Overall Ratings: Weighting of Measures

The summary and overall ratings are calculated as weighted averages of the measure stars. For the 2023 Star Ratings, CMS assigns the highest weight to the improvement measures, followed by patient experience/complaints and access measures, then by outcome and intermediate outcome measures, and finally process measures. New measures included in the Star Ratings are given a weight of 1 for their first year of inclusion in the ratings; in subsequent years the weight associated with the measure weighting category is used. The weights assigned to each measure and their weighting category are shown in [Attachment F](#).

In calculating the summary and overall ratings, a measure given a weight of 3 counts three times as much as a measure given a weight of 1. For any given contract, any measure without a rating is not included in the calculation. The first step in the calculation is to multiply each measure's weight by the measure's rating and sum these results. The second step is to divide this sum by the sum of the weights of the contract's rated measures. For the summary and overall ratings, half stars are assigned to allow for more variation across contracts.

Methodology for Calculating Part C and Part D Summary Ratings

The Part C and Part D summary ratings are calculated by taking a weighted average of the measure stars for Parts C and D, respectively. To receive a Part C and/or Part D summary rating, a contract must meet the minimum number of rated measures. The Parts C and D improvement measures are not included in the count of the minimum number of rated measures. The minimum number of rated measures required is determined as follows:

- If the total number of measures required for the organization type is odd, divide the number by two and round it to a whole number.
 - Example: if there are 13 required Part D measures for the organization, $13 / 2 = 6.5$, when rounded the result is 7. The contract needs at least 7 measures with ratings out of the 13 total measures to receive a Part D summary rating.
- If the total number of measures required for the organization type is even, divide the number of measures by two.
 - Example: if there are 30 required Part C measures for the organization, $30 / 2 = 15$. The contract needs at least 15 measures with ratings out of the 30 total measures to receive a Part C summary rating.

Table 6 shows the minimum number of rated measures required by each contract type to receive a summary rating.

Table 6: Minimum Number of Rated Measures Required for Part C and Part D Ratings by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Part C summary	11 of 22	12 of 24	14 of 27	10 of 19	12 of 23	N/A	12 of 24
Part D summary	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 5 out of 10 measures to receive a Part D rating.

Methodology for Calculating the Overall MA-PD Rating

For MA-PDs to receive an overall rating, the contract must have stars assigned to both the Part C and Part D summary ratings. If an MA-PD contract has only one of the two required summary ratings, the overall rating will show as “Not enough data available.”

The overall rating for a MA-PD contract is calculated using a weighted average of the Part C and Part D measure stars. The weights assigned to each measure are shown in [Attachment F](#).

There are a total of 40 measures (28 in Part C, 12 in Part D) in the 2023 Star Ratings. The following two measures are contained in both the Part C and D measure lists:

- Complaints about the Health/Drug Plan (CTM)
- Members Choosing to Leave the Plan (MCLP)

These measures share the same data source, so CMS includes only one instance of each of these two measures in the calculation of the overall rating. In addition, the Part C and D improvement measures are not included in the count for the minimum number of measures. Therefore, a total of 36 distinct measures are used in the calculation of the overall rating.

The minimum number of rated measures required for an overall MA-PD rating is determined using the same methodology as for the Part C and D summary ratings. Table 7 provides the minimum number of rated measures required for an overall Star Rating by contract type.

Table 7: Minimum Number of Rated Measures Required for an Overall Rating by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Overall Rating	15 of 30*	17 of 33	18 of 36	13 of 26	N/A	N/A	17 of 33*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 15 out of 30 measures to receive an overall rating.

Completing the Summary and Overall Rating Calculations

There are two adjustments made to the results of the summary and overall calculations described above. First, to reward consistently high performance, CMS utilizes both the mean and the variance of the measure stars to differentiate contracts for the summary and overall ratings. If a contract has both high and stable relative performance, a reward factor is added to the contract's ratings. Details about the reward factor can be found in the section entitled "Applying the Reward Factor." Second, the summary and overall ratings include a Categorical Adjustment Index (CAI) factor, which is added to or subtracted from a contract's summary and overall ratings. Details about the CAI can be found in the section entitled "Categorical Adjustment Index (CAI)."

The summary and overall rating calculations are run twice, once including the improvement measures and once without including the improvement measures. Based on a comparison of the results of these two calculations a decision is made as to whether the improvement measures are to be included in calculating a contract's final summary and overall ratings. Details about the application of the improvement measures can be found in the section entitled "Applying the Improvement Measure(s)."

Lastly, standard rounding rules are applied to convert the results of the final summary and overall ratings calculations into the publicly reported Star Ratings. Details about the rounding rules are presented in the section "Rounding Rules for Summary and Overall Ratings."

Applying the Improvement Measure(s)

The Part C Improvement Measure - Health Plan Quality Improvement (C25) and the Part D Improvement Measure - Drug Plan Quality Improvement (D04) were introduced earlier in this document in the section entitled "Improvement Measures." The measures and formulas for the improvement measures can be found in [Attachment H](#). This section discusses whether and how to apply the improvement measures in calculating a contract's final summary and overall ratings.

Since high performing contracts have less room for improvement and consequently may have lower ratings on these measure(s), CMS has developed the following rules to not penalize contracts receiving 4 or more stars for their highest rating.

MA-PD Contracts

1. There are separate Part C and Part D improvement measures (C25 & D04) for MA-PD contracts.
 - a. C25 is used in calculating the Part C summary rating of an MA-PD contract.
 - b. D04 is used in calculating the Part D summary rating for an MA-PD contract.
 - c. Both improvement measures will be used when calculating the overall rating in step 3.
2. Calculate the overall rating for MA-PD contracts without including either improvement measure.
3. Calculate the overall rating for MA-PD contracts with both improvement measures included.
4. If an MA-PD contract in step 2 has 4 or more stars, compare the two overall ratings calculated in steps 2 & 3, and use the highest of the two overall ratings calculated in steps 2 & 3.
5. For all other MA-PD contracts, use the overall rating from step 3.

MA-Only Contracts

1. Only the Part C improvement measure (C25) is used for MA-Only contracts.
2. Calculate the Part C summary rating for MA-Only contracts without including the improvement measure.
3. Calculate the Part C summary rating for MA-Only contracts with the Part C improvement measure.

4. If an MA-Only contract in step 2 has 4 or more stars, compare the two Part C summary ratings. If the rating in step 3 is less than the value in step 2, use the Part C summary rating from step 2; otherwise use the result from step 3.
5. For all other MA-Only contracts, use the Part C summary rating from step 3.

PDP Contracts

1. Only the Part D improvement measure (D04) is used for PDP contracts.
2. Calculate the Part D summary rating for PDP contracts without including the improvement measure.
3. Calculate the Part D summary rating for PDP contracts with the Part D improvement measure.
4. If a PDP contract in step 2 has 4 or more stars, compare the two Part D summary ratings. If the rating in step 3 is less than the value in step 2, use the Part D summary rating from step 2; otherwise use the result from step 3.
5. For all other PDP contracts, use the Part D summary rating from step 3.

Applying the Reward Factor

The following represents the steps taken to calculate and include the reward factor (r-Factor) in the Star Ratings summary and overall ratings. These calculations are performed both with and without the improvement measures included.

- Calculate the mean and the variance of all of the individual quality and performance measure stars at the contract level.
 - The mean is equal to the summary or overall rating before the reward factor is applied, which is calculated as described in the section entitled “Weighting of Measures.”
 - Using weights in the variance calculation accounts for the relative importance of measures in the reward factor calculation. To incorporate the weights shown in [Attachment F](#) into the variance calculation of the available individual performance measures for a given contract, the steps are as follows:
 - Subtract the summary or overall star from each performance measure’s star; square the results; and multiply each squared result by the corresponding individual performance measure weight.
 - Sum these results; call this ‘SUMWX.’
 - Set n equal to the number of individual performance measures available for the given contract.
 - Set W equal to the sum of the weights assigned to the n individual performance measures available for the given contract.
 - The weighted variance for the given contract is calculated as: $n * \text{SUMWX} / (W * (n-1))$. For the complete formula, please see [Attachment G](#): Calculation of Weighted Star Rating and Variance Estimates.
- Categorize the variance into three categories:
 - low (0 to < 30th percentile),
 - medium ($\geq$ 30th to < 70th percentile) and
 - high ($\geq$ 70th percentile)
- Develop the reward factor as follows:
 - r-Factor = 0.4 (for contract w/ low variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.3 (for contract w/ medium variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.2 (for contract w/ low variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))

- r-Factor = 0.1 (for contract w/ medium variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))
- r-Factor = 0.0 (for all other contracts)

Tables 8 and 9 show the final threshold values used in reward factor calculations for the 2023 Star Ratings.

Table 8: Performance Summary Thresholds

Improvement	CBP	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
Without	Without	65 th	4.032787	3.906250	3.781250	3.927536
Without	With	65 th	4.016949	3.906250	3.781250	3.927711
With	Without	65 th	3.935484	3.756757	3.533333	3.821053
With	With	65 th	3.910448	3.756757	3.533333	3.822917
Without	Without	85 th	4.396226	4.304348	4.260870	4.282353
Without	With	85 th	4.389831	4.304348	4.260870	4.289157
With	Without	85 th	4.285714	4.162162	4.000000	4.130435
With	With	85 th	4.281250	4.162162	4.000000	4.129032

Table 9: Variance Thresholds

Improvement	CBP	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
Without	Without	30 th	0.773524	0.698347	0.698677	0.820659
Without	With	30 th	0.780467	0.698347	0.698677	0.821593
With	Without	30 th	0.911204	0.893750	1.000000	0.987805
With	With	30 th	0.908360	0.893750	1.000000	0.979066
Without	Without	70 th	1.309487	1.304197	1.542578	1.272909
Without	With	70 th	1.289129	1.304197	1.542578	1.260422
With	Without	70 th	1.423713	1.408000	1.836725	1.418960
With	With	70 th	1.406087	1.408000	1.836725	1.399747

Categorical Adjustment Index (CAI)

CMS has implemented an analytical adjustment called the Categorical Adjustment Index (CAI). The CAI is a factor that is added to or subtracted from a contract's Overall and/or Summary Star Ratings to adjust for the average within-contract disparity in performance for Low Income Subsidy/Dual Eligible (LIS/DE) beneficiaries and disabled beneficiaries. The CAI value (factor) depends on the contract's percentage of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and the contract's percentage of beneficiaries with disabled status. These adjustments are performed both with and without the improvement measures included. The value of the CAI varies by the contract's percentage of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disability status.

The CAI values use data collected for the 2022 Star Ratings. To calculate the CAI, case-mix adjustment is applied to all clinical Star Rating measure scores that are not adjusted for SES using a beneficiary-level logistic regression model with contract fixed effects and beneficiary-level indicators of LIS/DE and disability status, similar to the approach currently used to adjust CAHPS patient experience measures. However, unlike CAHPS case-mix adjustment, the only adjusters are LIS/DE and disability status. Adjusted measure scores are then converted to measure stars using the 2022 rating year measure cutoffs and used to calculate Adjusted Overall and Summary Star Ratings. Unadjusted Overall and Summary Star Ratings are also determined for each contract.

The 2022 measures used in the 2023 CAI adjustment calculations are:

- Breast Cancer Screening (Part C)
- Colorectal Cancer Screening (Part C)
- Annual Flu Vaccine (Part C)
- Monitoring Physical Activity (Part C)
- Osteoporosis Management in Women who had a Fracture (Part C)
- Diabetes Care – Eye Exam (Part C)
- Diabetes Care – Kidney Disease Monitoring (Part C)
- Diabetes Care – Blood Sugar Controlled (Part C)
- Reducing the Risk of Falling (Part C)
- Improving Bladder Control (Part C)
- Medication Reconciliation Post-Discharge (Part C)
- Statin Therapy for Patients with Cardiovascular Disease (Part C)
- Medication Adherence for Diabetes Medication (Part D)
- Medication Adherence for Hypertension (RAS antagonists) (Part D)
- Medication Adherence for Cholesterol (Statins) (Part D)
- MTM Program Completion Rate for CMR (Part D)
- Statin Use in Patients with Diabetes (SUPD) (Part D)

To determine the value of the CAI, contracts are first divided into an initial set of categories based on the combination of a contract's LIS/DE and disability percentages. For the adjustment for the overall and summary ratings for MA-Only and MA-PD contracts, the initial groups are formed by the ten groups of LIS/DE and quintiles of disability, thus resulting in 50 initial categories. For PDPs, the initial groups are formed using quartiles for both LIS/DE and disability. The mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts in each initial category are determined and examined.

The initial categories are collapsed to form final adjustment groups. The CAI values are the mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts within each final adjustment group. Separate CAI values are computed for the overall and summary ratings, and the rating-specific CAI value is the same for all contracts that fall within the same final adjustment category.

The categorization of contracts into final adjustment categories for the CAI relies on both the use of a contract's percentages of LIS/DE and disabled beneficiaries. Categories were chosen to enforce monotonicity and to yield a minimum number of 30 contracts per each final MA adjustment category and 10 contracts per each final PDP adjustment category. Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI. Details regarding the methodology for the Puerto Rico model are provided in [Attachment N](#).

Tables 10 and 11 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the determination of the CAI values for the Overall Rating. For example, if a contract's percentage of LIS/DE beneficiaries is 13.60%, the contract's LIS/DE initial group would be L4. The upper limit for each initial category is only included for the highest categories (L10 and D5), and the upper limit is equal to 100% for both of these categories.

Table 10: Categorization of Contract's Members into LIS/DE Initial Groups for the Overall Rating

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	>= 0.000000 to < 6.636703
2	>= 6.636703 to < 8.833416
3	>= 8.833416 to < 12.406991
4	>= 12.406991 to < 17.221680
5	>= 17.221680 to < 22.740404
6	>= 22.740404 to < 31.938126
7	>= 31.938126 to < 50.303478
8	>= 50.303478 to < 77.133401
9	>= 77.133401 to < 100.000000
10	100.000000

Table 11: Categorization of Contract's Members into Disability Quintiles for the Overall Rating

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	>= 0.000000 to < 15.332047
2	>= 15.332047 to < 21.434998
3	>= 21.434998 to < 29.201102
4	>= 29.201102 to < 43.125000
5	>= 43.125000 to <= 100.000000

Table 12 provides the description of each of the final adjustment categories and the associated value of the CAI per category for the overall rating.

Table 12: Final Adjustment Categories and CAI Values for the Overall Rating

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1	-0.044794
2	L2-L8 L1-L7 L1-L2	D1 D2 D3	-0.016360
3	L9-L10 L8-L10 L3-L8 L1-L5	D1 D2 D3 D4-D5	0.008196
4	L6-L8 L6	D4 D5	0.045676
5	L9-L10 L7-L9	D3-D4 D5	0.077717
6	L10	D5	0.142258

Tables 13 and 14 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the initial categories for the determination of the CAI values for the Part C summary.

Table 13: Categorization of Contract's Members into LIS/DE Initial Groups for the Part C Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	>= 0.000000 to < 5.844156
2	>= 5.844156 to < 8.692308
3	>= 8.692308 to < 11.865055
4	>= 11.865055 to < 16.507177
5	>= 16.507177 to < 22.201963
6	>= 22.201963 to < 31.440558
7	>= 31.440558 to < 50.133240
8	>= 50.133240 to < 76.898900
9	>= 76.898900 to < 100.000000
10	100.00000

Table 14: Categorization of Contract's Members into Disability Quintiles for the Part C Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	>= 0.000000 to < 14.996720
2	>= 14.996720 to < 21.145603
3	>= 21.145603 to < 29.176165
4	>= 29.176165 to < 42.283120
5	>= 42.283120 to <= 100.000000

Table 15 provides the description of each of the final adjustment categories for the Part C summary and the associated value of the CAI for each final adjustment category.

Table 15: Final Adjustment Categories and CAI Values for the Part C Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1	-0.021744
2	L2-L7	D1-D2	-0.002883
	L1	D2	
3	L8-L10	D1-D2	0.007550
	L1-L9	D3	
4	L1-L8	D4	0.020107
	L1-L6	D5	
5	L9	D4	0.076339
	L7-L9	D5	
6	L10	D3-D5	0.126289

Tables 16 and 17 provide the range of the percentages that correspond to the LIS/DE initial groups and the disability quintiles for the initial categories for the determination of the CAI values for the Part D summary rating for MA-PDs.

Table 16: Categorization of Contract's Members into LIS/DE Initial Groups for the MA-PD Part D Summary

LIS/DE Initial Group	Percentage of Contract's Beneficiaries who are LIS/DE
1	>= 0.000000 to < 6.776647
2	>= 6.776647 to < 9.259475
3	>= 9.259475 to < 13.325541
4	>= 13.325541 to < 18.778871
5	>= 18.778871 to < 25.422963
6	>= 25.422963 to < 35.273728
7	>= 35.273728 to < 58.639605
8	>= 58.639605 to < 97.117517
9	>= 97.117517 to < 100.000000
10	100.000000

Table 17: Categorization of Contract's Members into Disability Quintiles for the MA-PD Part D Summary

Disability Quintile	Percentage of Contract's Beneficiaries who are Disabled
1	>= 0.000000 to < 16.180982
2	>= 16.180982 to < 23.081612
3	>= 23.081612 to < 31.298400
4	>= 31.298400 to < 45.808383
5	45.808383 to <= 100.000000

Table 18 provides the description of each of the final adjustment categories for the MA-PD Part D summary and the associated values of the CAI for each final adjustment category.

Table 18: Final Adjustment Categories and CAI Values for the MA-PD Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1	-0.036570
2	L2-L7 L1	D1-D2 D2	-0.023380
3	L8-L10 L1-L8 L1-L6 L1-L5	D1-D2 D3 D4 D5	0.025305
4	L9-L10 L7-L10 L6-L9	D3 D4 D5	0.074240
5	L10	D5	0.137103

Tables 19 and 20 provide the range of the percentages that correspond to the LIS/DE and disability quartiles for the initial categories for the determination of the CAI values for the PDP Part D summary. Quartiles are used for both dimensions due to the limited number of PDPs as compared to MA-PD contracts.

Table 19: Categorization of Contract's Members into Quartiles of LIS/DE for the PDP Part D Summary

LIS/DE Quartile	Percentage of Contract's Beneficiaries who are LIS/DE
1	>= 0.000000 to < 1.435897
2	>= 1.435897 to < 3.064169
3	>= 3.064169 to < 8.762958
4	>= 8.762958 to <= 100.000000

Table 20: Categorization of Contract's Members into Quartiles of Disability for the PDP Part D Summary

Disability Quartile	Percentage of Contract's Beneficiaries who are Disabled
1	≥ 0.000000 to < 6.753247
2	≥ 6.753247 to < 10.728911
3	≥ 10.728911 to < 15.021379
4	≥ 15.021379 to ≤ 100.000000

Table 21 provides the description of each of the final adjustment categories for the PDP Part D summary and the associated value of the CAI per final adjustment category. Note that the CAI values for the PDP Part D summary are different from the CAI values for the MA-PD Part D summary. There are three final adjustment categories for the PDP Part D summary.

Table 21: Final Adjustment Categories and CAI Values for the PDP Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1-D3	-0.301451
2	L2-L4 L1-L3	D1-D3 D4	-0.135053
3	L4	D4	0.069749

Calculation Precision

CMS and its contractors have always used software called SAS (an integrated system of software products provided by SAS Institute Inc.) to perform the calculations used in producing the Star Ratings. For all measures, except the improvement measures, the precision used in scoring the measure is indicated next to the label "Data Display" within the detailed description of each measure. The improvement measures are discussed below. The domain ratings are the unweighted average of the star measures and are rounded to the nearest integer.

The improvement measures, summary, and overall ratings are calculated with at least six digits of precision after the decimal whenever the data allow it. The HEDIS measure scores have two digits of precision after the decimal. All other measures have at least six digits of precision when used in the improvement calculation.

Contracts may request a contract-specific calculation spreadsheet which emulates the actual SAS calculations from the Star Ratings mailbox during the second plan preview.

It is not possible to replicate CMS's calculations exactly due to factors including, but not limited to: using published measure data from sources other than CMS's Star Rating program which use different rounding rules, and exclusion of some contracts' ratings from publicly-posted data (e.g., terminated contracts).

Rounding Rules for Measure Scores

Measure scores are rounded to the precision indicated next to the label "Data Display" within the detailed description of each measure. Measure scores are rounded using traditional rounding rules. These are standard

“round to nearest” rules prior to cut point analysis. To obtain a value with the specified level of precision, the single digit following the level of precision will be rounded. If the digit to be rounded is 0, 1, 2, 3 or 4, the value is rounded down, with no adjustment to the preceding digit. If the digit to be rounded is 5, 6, 7, 8 or 9, the value is rounded up, and a value of one is added to the preceding digit. After rounding, all digits after the specified level of precision are removed. If rounding to a whole number, the digit to be rounded is in the first decimal place. If the digit in the first decimal place is below 5, then after rounding the whole number remains unchanged and fractional parts of the number are deleted. If the digit in the first decimal place is 5 or greater, then the whole number is rounded up by adding a value of 1 and fractional parts of the number are deleted. For example, a measure listed with a Data Display of “Percentage with no decimal point” that has a value of 83.499999 rounds down to 83, while a value of 83.500000 rounds up to 84.

Rounding Rules for Summary and Overall Ratings

The results of the summary and overall calculations are rounded to the nearest half star (i.e., 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0). Table 22 summarizes the rounding rules for converting the Part C and D summary and overall ratings into the publicly reported Star Ratings.

Table 22: Rounding Rules for Summary and Overall Ratings

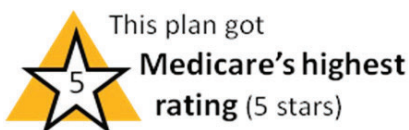
Raw Summary / Overall Score	Final Summary / Overall Rating
≥ 0.000000 and < 0.250000	0
≥ 0.250000 and < 0.750000	0.5
≥ 0.750000 and < 1.250000	1.0
≥ 1.250000 and < 1.750000	1.5
≥ 1.750000 and < 2.250000	2.0
≥ 2.250000 and < 2.750000	2.5
≥ 2.750000 and < 3.250000	3.0
≥ 3.250000 and < 3.750000	3.5
≥ 3.750000 and < 4.250000	4.0
≥ 4.250000 and < 4.750000	4.5
≥ 4.750000 and ≤ 5.000000	5.0

For example, a summary or overall rating of 3.749999 rounds down to a rating of 3.5, and a rating of 3.750000 rounds up to rating of 4. That is, a score would need to be at least halfway between 3.5 and 4 (having a minimum value of 3.750000) in order to obtain the higher rating of 4.

Methodology for Calculating the High Performing Icon

A contract may receive a high performing icon as a result of its performance on the Parts C and/or D measures. The high performing icon is assigned to an MA-Only contract for achieving a 5-star Part C summary rating, a PDP contract for a 5-star Part D summary rating, and an MA-PD contract for a 5-star overall rating. Figure 3 shows the high performing icon used in the MPF:

Figure 3: The High Performing Icon



Methodology for Calculating the Low Performing Icon

A contract can receive a low performing icon as a result of its performance on the Part C and/or Part D summary ratings. The low performing icon is calculated by evaluating the Part C and Part D summary ratings for the current year and the past two years (i.e., the 2021, 2022, and 2023 Star Ratings). If the contract had any combination of Part C and/or Part D summary ratings of 2.5 or lower in all three years of data, it is marked with a low performing icon (LPI). A contract must have a rating in either Part C and/or Part D for all three years to be considered for this icon.

Figure 4 shows the low performing contract icon used in the MPF:

Figure 4: The Low Performing Icon



Table 23 shows example contracts which would receive an LPI.

Table 23: Example LPI Contracts

Contract/Rating	Rated As	2021 C	2022 C	2023 C	2021 D	2022 D	2023 D	LPI Awarded	LPI Reason
HAAAA	MA-PD	2	2.5	2.5	3	3	3	Yes	Part C
HBBBB	MA-PD	3	3	3	2.5	2	2.5	Yes	Part D
HCCCC	MA-PD	2.5	3	3	3	2.5	2.5	Yes	Part C or D
HDDDD	MA-PD	3	2.5	3	2.5	3	2.5	Yes	Part C or D
HEEEE	MA-PD	2.5	2	2.5	2	2.5	2.5	Yes	Part C and D
HFFFF	MA-Only	2.5	2	2.5	-	-	-	Yes	Part C
SAAAA	PDP	-	-	-	2.5	2.5	2	Yes	Part D

Mergers, Novations, and Consolidations

This section covers how the Star Ratings are affected by mergers, novation and consolidations. To ensure a common understanding, we begin by defining each of the terms.

- **Merger:** when two (or more) companies join together to become a single business. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to Medicare beneficiaries. After the merger, all of those individual contracts with CMS are still intact, only the ownership changes in each of the contracts to the name of the new single business. Mergers can occur at any time during a contract year.
- **Novation:** when one company acquires another company. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to beneficiaries. After the novation, all of those individual contracts with CMS are still intact. The owner's names of the contracts acquired are changed to the new owner's name. Novations can occur at any time during the contract year.
- **Consolidation:** when an organization/sponsor that has at least two contracts with CMS for offering health and/or drug services to beneficiaries combines multiple contracts into a single contract with CMS. Consolidations occur only at the change of the contract year. The one or more contracts that will no longer exist at contract year's end are known as the consumed contracts. The contract that will still exist is known as the surviving contract and all of the beneficiaries still enrolled in the consumed contract(s) are moved to the surviving contract.

Mergers and novations do not change the ratings earned by an individual contract in any way.

For a merger or novation, the only change is the company listed as owning the contract; there is no change in contract structure, so the Star Ratings earned by the contract remains with them until the next rating cycle. This includes any High Performing or Low Performing icons earned by any of the contracts.

Consolidations become effective the first day of the calendar year. The Star Ratings are released the previous October so they are available when open enrollment begins. In the first year following a consolidation, the measure values used in calculating the Star Ratings of the surviving contract will be based on the enrollment-weighted mean of all contracts in the consolidation (see Attachment B). The surviving contract's ratings are posted publicly, used in determining QBP ratings, and included in the Past Performance Analysis.

Reliability Requirement for Low-enrollment Contracts

HEDIS measures for contracts whose enrollment as of July 2021 was at least 500 but less than 1,000 will be included in the Star Ratings in 2023 when the contract-specific measure score reliability is equal to or greater than 0.7. The reliability calculations are implemented using SAS PROC MIXED as documented on pages 31-32 of the report "The Reliability of Provider Profiling – A Tutorial," available at https://www.rand.org/pubs/technical_reports/TR653.html.

Special Needs Plan (SNP) Data

A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP). Further details on SNP plans can be found in the glossary, [Attachment R](#).

CMS has included three SNP-specific measures in the 2023 Star Ratings. The Part C 'Special Needs Plan Care Management' measure is based on data reported by contracts through the Medicare Part C Reporting Requirements. The two Part C 'Care for Older Adults' measures are based on HEDIS data. The data for all of these measures are reported at the plan benefit package (PBP) level, while the Star Ratings are reported at the contract level.

The methodology used to combine the PBP data to the contract level is different between the two data sources. The Part C Reporting Requirements data are summed into a contract-level rate after excluding PBPs that do not map to any PBP offered by the contract in the calendar year for which the Reporting Requirements data underwent data validation. The HEDIS data are summed into a contract-level rate as long as the contract will be offering a SNP PBP in the Star Ratings year.

The two methodologies used to combine the PBP data within a contract for these measures are described further in [Attachment E](#).

Star Ratings and Marketing

Plan sponsors must ensure the Star Ratings document and all marketing of Star Ratings information is compliant with CMS's Medicare Marketing Guidelines. Failure to follow CMS' guidance may result in compliance action against the contract. The Medicare Marketing Guidelines were issued as Chapters 2 and 3 of the Prescription Drug Benefit Manual and the Medicare Managed Care Manual, respectively. Please direct questions about marketing Star Ratings information to your Account Manager.

Contact Information

The contact below can assist you with various aspects of the Star Ratings.

- Part C & D Star Ratings: PartCandDStarRatings@cms.hhs.gov

If you have questions or require information about the specific subject areas associated with the Star Ratings please write to those contacts directly and cc the Part C & D Star Ratings mailbox.

- CAHPS (MA & Part D): MP-CAHPS@cms.hhs.gov
- Call Center Monitoring: CallCenterMonitoring@cms.hhs.gov

- Compliance Activity Module issues (Part C): PartCCompliance@cms.hhs.gov
- Compliance Activity Module issues (Part D): PartD_Monitoring@cms.hhs.gov
- Data Integrity: PARTCDQA@cms.hhs.gov
- Demonstration (Medicare-Medicaid Plan) Ratings: nmmcocapsmodel@cms.hhs.gov
- Disenrollment Reasons Survey: DisenrollSurvey@cms.hhs.gov
- HEDIS: HEDISquestions@cms.hhs.gov
- HOS: HOS@cms.hhs.gov
- HPMS Access issues: CMSHPMS_Access@cms.hhs.gov
- HPMS Help Desk (all other HPMS issues): HPMS@cms.hhs.gov
- Marketing: marketing@cms.hhs.gov
- Part C Compliance Activity issues: PartCCompliance@cms.hhs.gov
- Part D Compliance Activity issues: PartD_Monitoring@cms.hhs.gov
- Plan Reporting (Part C): Partcplanreporting@cms.hhs.gov
- Plan Reporting (Part D): Partd-planreporting@cms.hhs.gov
- Plan Reporting Data Validation (Part C & D): PartCandD_Data_Validation@cms.hhs.gov
- QBP Ratings and Appeals questions: QBPAppeals@cms.hhs.gov
- QBP Payment or Risk Analysis questions: riskadjustment@cms.hhs.gov

This page contains the formatting framework and definition of each sub-section that is used to describe the domain and measure details on the following pages.

Domain: The name of the domain to which the measures following this heading belong

Measure: The measure ID and common name of the ratings measure

Title	Description
Label for Stars:	The label that appears with the stars for this measure on Medicare.gov.
Label for Data:	The label that appears with the numeric data for this measure on HPMS and CMS.gov.
Description:	The English language description shown for the measure on Medicare.gov. The text in this sub-section has been prepared to aid beneficiaries' understanding of the nature and the purpose of the measure. We strongly encourage any public-facing explanation of the measure to use this description.
HEDIS Label:	Optional – contains the full NCQA HEDIS measure name.
Measure Reference:	Optional – this sub-section contains the location of the detailed measure specification in the NCQA documentation for all HEDIS and HEDIS-HOS measures.
Metric:	Defines how the measure is calculated.
Primary Data Source:	The primary source of the data used in the measure.
Data Source Description:	Optional – contains information about additional data sources needed for calculating the measure.
Data Source Category:	The category of this data source.
Exclusions:	Optional – lists any exclusions applied to the data used for the measure.
General Notes:	Optional – contains additional information about the measure and the data used.
Data Time Frame:	The time frame of data used from the data source. In some HEDIS measures this date range may appear to conflict with the specific data time frame defined in the NCQA Technical Specifications. In those cases, the data used by CMS are unchanged from what was submitted to NCQA. CMS uses the data time frame of the overall HEDIS submission which is the HEDIS measurement year.
General Trend:	Indicates whether high values are better or low values are better for the measure.
Statistical Method:	The methodology used for assigning stars in this measure; see the section entitled "Methodology for Assigning Part C and Part D Measure Star Ratings" for an explanation of each of the possible entries in this sub-section.
Improvement Measure:	Indicates whether this measure is included in the improvement measure.
CAI Usage:	Indicates if the measure is used in the Categorical Adjustment Index calculation.

Title	Description
Case-Mix Adjusted:	Indicates if the data are case mix adjusted prior to being used for the Star Ratings.
Weighting Category:	The weighting category of this measure.
Weighting Value:	The numeric weight for this measure in the summary and overall rating calculations.
Meaningful Measure Area:	Contains the area where this measure fits into the Meaningful Measure Framework.
NQF #:	The National Quality Framework (NQF) number for the measure or “None” if there is no equivalent measure with NQF endorsement.
Data Display:	The format used to the display the numeric data on Medicare.gov
Reporting Requirements:	Table indicating which organization types are required to report the measure. “Yes” for organizations required to report; “No” for organizations not required to report.
Cut Points:	Table containing the cut points used in the measure. For non-CAHPS measures, excluding new measures or measures with substantive specification changes for the first three years, the cut points are after the application of mean resampling and guardrails. The Health Plan Quality Improvement and Drug Plan Quality Improvement measure cut points are after mean resampling. For CAHPS measures, the table contains the base group cut points which are used prior to the final star assignment rules being applied.

See [Attachment C](#) for the national averages of individual Part C measures.

Domain: 1 - Staying Healthy: Screenings, Tests and Vaccines

Measure: C01 - Breast Cancer Screening

Title	Description

Label for Stars: Breast Cancer Screening

Label for Data: Breast Cancer Screening

Description: Percent of female plan members aged 52-74 who had a mammogram during the past two years.

HEDIS Label: Breast Cancer Screening (BCS)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 98

Metric: The percentage of women MA enrollees 50 to 74 years of age (denominator) as of December 31 of the measurement year who had a mammogram to screen for breast cancer in the past two years(numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
 - Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria:
 - At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits.
 - At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set).
 - A dispensed dementia medication (Dementia Medications List).
 - Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year
- (optional) Bilateral mastectomy any time during the member's history through December 31 of the measurement year. Any of the following meet criteria for bilateral mastectomy:
- Bilateral mastectomy (Bilateral Mastectomy Value Set).
 - Unilateral mastectomy (Unilateral Mastectomy Value Set) with a bilateral modifier

Title	Description
	(Bilateral Modifier Value Set). • Two unilateral mastectomies (Unilateral Mastectomy Value Set) with service dates 14 days or more apart. For example, if the service date for the first unilateral mastectomy was February 1 of the measurement year, the service date for the second unilateral mastectomy must be on or after February 15. • Both of the following (on the same or a different date of service): – Unilateral mastectomy (Unilateral Mastectomy Value Set) with a right-side modifier (Right Modifier Value Set) (same date of service). – Unilateral mastectomy (Unilateral Mastectomy Value Set) with a left-side modifier (Left Modifier Value Set) (same date of service). • Absence of the left breast (Absence of Left Breast Value Set) and absence of the right breast (Absence of Right Breast Value Set) on the same or different date of service. • History of bilateral mastectomy (History of Bilateral Mastectomy Value Set). • Left unilateral mastectomy (Unilateral Mastectomy Left Value Set) and right unilateral mastectomy (Unilateral Mastectomy Right Value Set) on the same or different date of service. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure. Data Time Frame: 01/01/2021 – 12/31/2021 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters. Meaningful Measure Area: Wellness and Prevention NQF #: 2372 Data Display: Percentage with no decimal place

Title	Description					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 43 %	>= 43 % to < 62 %	>= 62 % to < 70 %	>= 70 % to < 77 %	>= 77 %	

Measure: C02 - Colorectal Cancer Screening

Title	Description

Label for Stars: Colorectal Cancer Screening

Label for Data: Colorectal Cancer Screening

Description: Percent of plan members aged 50-75 who had appropriate screening for colon cancer.

HEDIS Label: Colorectal Cancer Screening (COL)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 109

Metric: The percentage of MA enrollees aged 50 to 75 (denominator) as of December 31 of the measurement year who had appropriate screenings for colorectal cancer (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) **and** advanced illness during the measurement year.
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year

(optional) Refer to Administrative Specification for exclusion criteria. Exclusionary evidence in the medical record must include a note indicating colorectal cancer or total colectomy any time during the member's history through December 31 of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2021 – 12/31/2021

Title	Description

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Wellness and Prevention

NQF #: 0034

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 43 %	>= 43 % to < 60 %	>= 60 % to < 71 %	>= 71 % to < 79 %	>= 79 %		

Measure: C03 - Annual Flu Vaccine

Title	Description

Label for Stars: Yearly Flu Vaccine

Label for Data: Yearly Flu Vaccine

Description: Percent of plan members who got a vaccine (flu shot).

Metric: The percentage of sampled Medicare enrollees (denominator) who received an influenza vaccination (numerator).

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question number varies depending on survey type):

- Have you had a flu shot since July 1, 2021?

Title**Description**

Data Source Category: Survey of Enrollees

General Notes: This measure is not case-mix adjusted.

CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2022 – 06/2022

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Wellness and Prevention

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 64	>= 64 to < 69	>= 69 to < 75	>= 75 to < 79	>= 79

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C04 - Monitoring Physical Activity**Title****Description**

Label for Stars: Monitoring Physical Activity

Label for Data: Monitoring Physical Activity

Title	Description
Description: Percent of senior plan members who discussed exercise with their doctor and were advised to start, increase, or maintain their physical activity during the year. HEDIS Label: Physical Activity in Older Adults (PAO)	
Measure Reference: NCQA HEDIS Measurement Year 2020 Specifications for the Medicare Health Outcomes Survey Volume 6, page 37	
Metric: The percentage of sampled Medicare members 65 years of age or older who had a doctor's visit in the past 12 months (denominator) and who received advice to start, increase or maintain their level exercise or physical activity (numerator).	
Primary Data Source: HEDIS-HOS	
Data Source Description: Cohort 22 Follow-up Data collection (2021) and Cohort 24 Baseline data collection (2021).	
	HOS Survey Question 46: In the past 12 months, did you talk with a doctor or other health provider about your level of exercise or physical activity? For example, a doctor or other health provider may ask if you exercise regularly or take part in physical exercise.
	HOS Survey Question 47: In the past 12 months, did a doctor or other health care provider advise you to start, increase or maintain your level of exercise or physical activity? For example, in order to improve your health, your doctor or other health provider may advise you to start taking the stairs, increase walking from 10 to 20 minutes every day or to maintain your current exercise program.
Data Source Category: Survey of Enrollees	
	Exclusions: Members who responded "I had no visits in the past 12 months" to Question 46 are excluded from results calculations for Question 47. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.
Data Time Frame: 07/19/2021 – 11/01/2021	
General Trend: Higher is better	
Statistical Method: Clustering	
Improvement Measure: Included	
CAI Usage: Included	
Case-Mix Adjusted: No	
Weighting Category: Process Measure	
Weighting Value: 1	

Title**Description**

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Wellness and Prevention

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 44 %	>= 44 % to < 49 %	>= 49 % to < 53 %	>= 53 % to < 57 %	>= 57 %

Domain: 2 - Managing Chronic (Long Term) Conditions**Measure: C05 - Special Needs Plan (SNP) Care Management**

Title	Description

Label for Stars: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Label for Data: Members Whose Plan Did an Assessment of Their Health Needs and Risks

Description: Percent of members whose plan did an assessment of their health needs and risks in the past year. The results of this review are used to help the member get the care they need.

(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

Metric: This measure is defined as the percent of eligible Special Needs Plan (SNP) enrollees who received a health risk assessment (HRA) during the measurement year. The denominator for this measure is the sum of the number of new enrollees due for an Initial HRA (Element A) and the number of enrollees eligible for an annual reassessment HRA (Element B). The numerator for this measure is the sum of the number of initial HRAs performed on new enrollees (Element C) and the number of annual reassessments performed on enrollees eligible for a reassessment (Element F). The equation for calculating the SNP Care Management Assessment Rate is:

$$\frac{\begin{aligned} &[\text{Number of initial HRAs performed on new enrollees (Element C)} \\ &+ \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ &/ [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ &+ \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}}$$

Primary Data Source: Part C Plan Reporting

Data Source Description: Data reported by contracts to CMS per the Part C Reporting Requirements. Validation for data performed during the 2022 Data Validation cycle.

Data Source Category: Health and Drug Plans

Exclusions: Contracts and PBPs with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2022) are excluded and listed as "No data available."

SNP Care Management Assessment Rates are not provided for contracts that did not score at least 95% on data validation for the SNP Care Management reporting section or were not compliant with data validation standards/sub-standards for any of the following SNP Care Management data elements:

- Number of new enrollees due for an initial HRA (Element A)
- Number of enrollees eligible for an annual reassessment HRA (Element B)
- Number of initial HRAs performed on new enrollees (Element C)
- Number of annual reassessments performed on enrollees eligible for reassessment (Element F)

Title

Description

Contracts excluded from the SNP Care Management Assessment Rates due to data validation issues are shown as “CMS identified issues with this plan’s data.”

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select “Monitoring,” then “Plan Reporting Data Validation.” Select the appropriate contract year. Select the PRDVM Reports. Select “Score Detail Report.” Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 30 or more enrollees in the denominator [Number of new enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual HRA (Element B) $\geq$ 30] in order to have a calculated rate. Contracts with fewer than 30 eligible enrollees are listed as “No data available.”

General Notes: More information about the data used to calculate this measure can be found in [Attachment E](#).

The Part C reporting requirement fields listed below are not used in calculating this measure:

- Data Element D Number of initial HRA refusals
- Data Element E Number of initial HRAs where SNP is unable to reach new enrollees
- Data Element G Number of annual reassessment refusals
- Data Element H Number of annual reassessments where SNP is unable to reach enrollee

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: Not Applicable

Title**Description**

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 46 %	>= 46 % to < 62 %	>= 62 % to < 75 %	>= 75 % to < 85 %	>= 85 %

Measure: C06 - Care for Older Adults – Medication Review**Title****Description**

Label for Stars: Yearly Review of All Medications and Supplements Being Taken

Label for Data: Yearly Review of All Medications and Supplements Being Taken

Description: Percent of plan members whose doctor or clinical pharmacist reviewed a list of everything they take (prescription and non-prescription drugs, vitamins, herbal remedies, other supplements) at least once a year.
(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)

HEDIS Label: Care for Older Adults (COA) – Medication Review

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 121

Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one medication review (Medication Review Value Set) conducted by a prescribing practitioner or clinical pharmacist during the measurement year and the presence of a medication list in the medical record (Medication List Value Set) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2020 SNP Comprehensive Report were excluded from this measure.

General Notes: The formula used to calculate this measure can be found in [Attachment E](#).

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Title**Description**

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Seamless Care Coordination

NQF #: 0553

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 43 %	>= 43 % to < 70 %	>= 70 % to < 82 %	>= 82 % to < 93 %	>= 93 %

Measure: C07 - Care for Older Adults – Pain Assessment

Title	Description
Label for Stars: Yearly Pain Screening or Pain Management Plan	
Label for Data: Yearly Pain Screening or Pain Management Plan	
	Description: Percent of plan members who had a pain screening at least once during the year. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)
HEDIS Label: Care for Older Adults (COA) – Pain Screening	
Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 121	
	Metric: The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one pain assessment (Pain Assessment Value Set) plan during the measurement year (numerator).
Primary Data Source: HEDIS	
Data Source Category: Health and Drug Plans	
	Exclusions: SNP benefit packages whose enrollment was less than 30 as of February 2020 SNP Comprehensive Report were excluded from this measure.
General Notes: The formula used to calculate this measure can be found in Attachment E .	
Data Time Frame: 01/01/2021 – 12/31/2021	
General Trend: Higher is better	
Statistical Method: Clustering	
Improvement Measure: Included	
CAI Usage: Not Included	
Case-Mix Adjusted: No	
Weighting Category: Process Measure	
Weighting Value: 1	
Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.	
Meaningful Measure Area: Wellness and Prevention	

Title**Description**

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 50 %	>= 50 % to < 71 %	>= 71 % to < 85 %	>= 85 % to < 94 %	>= 94 %

Measure: C08 - Osteoporosis Management in Women who had a Fracture

Title	Description
Label for Stars: Osteoporosis Management	
Label for Data: Osteoporosis Management	
Description: Percent of female plan members who broke a bone and got screening or treatment for osteoporosis within 6 months.	
HEDIS Label: Osteoporosis Management in Women Who Had a Fracture (OMW)	
Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 225	
Metric: The percentage of woman MA enrollees 67 - 85 who suffered a fracture (denominator) and who had either a bone mineral density (BMD) test or prescription for a drug to treat osteoporosis in the six months after the fracture (numerator).	
Primary Data Source: HEDIS	
Data Source Category: Health and Drug Plans	
Exclusions:	• Members who had a BMD test (Bone Mineral Density Tests Value Set) during the 730 days (24 months) prior to the IESD. • Members who had a claim/encounter for osteoporosis therapy (Osteoporosis Medications Value Set) during the 365 days (12 months) prior to the IESD. • Members who received a dispensed prescription or had an active prescription to treat osteoporosis (Osteoporosis Medications List) during the 365 days (12 months) prior to the IESD. • Members who are enrolled in an Institutional SNP (I-SNP) any time during the measurement year. • Members living long-term in an institution any time during the measurement year.
Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded.	
Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.	
Data Time Frame: 01/01/2021 – 12/31/2021	
General Trend: Higher is better	
Statistical Method: Clustering	
Improvement Measure: Included	
CAI Usage: Included	
Case-Mix Adjusted: No	
Weighting Category: Process Measure	

Title	Description

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: 0053

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< 32 %	>= 32 % to < 45 %	>= 45 % to < 55 %	>= 55 % to < 73 %	>= 73 %

Measure: C09 - Diabetes Care – Eye Exam

Title	Description

Label for Stars: Eye Exam to Check for Damage from Diabetes

Label for Data: Eye Exam to Check for Damage from Diabetes

Description: Percent of plan members with diabetes who had an eye exam to check for damage from diabetes during the year.

HEDIS Label: Comprehensive Diabetes Care (CDC) – Eye Exam (Retinal) Performed

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees age 18-75 with diabetes (type 1 and type 2) (denominator) who had an eye exam (retinal) performed during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with both frailty (Frailty Value Set) and advanced illness (Advanced Illness Value Set) during the measurement year.

Title	Description
	Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year. (optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year. Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same. If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure. Data Time Frame: 01/01/2021 – 12/31/2021 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters. Meaningful Measure Area: Chronic Conditions NQF #: 0055 Data Display: Percentage with no decimal place

Title	Description						
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars		3 Stars	4 Stars		5 Stars
	< 47 %	>= 47 % to < 61 %		>= 61 % to < 71 %	>= 71 % to < 79 %		>= 79 %

Measure: C10 - Diabetes Care – Kidney Disease Monitoring

Title	Description

Label for Stars: Kidney Function Testing for Members with Diabetes

Label for Data: Kidney Function Testing for Members with Diabetes

Description: Percent of plan members with diabetes who had a kidney function test during the year.

HEDIS Label: Comprehensive Diabetes Care (CDC) – Medical Attention for Nephropathy

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees age 18-75 with diabetes (type 1 and type 2) (denominator) who had medical attention for nephropathy during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
 - Members 66 years of age and older as of December 31 of the measurement year (all product lines) with both frailty (Frailty Value Set) and advanced illness (Advanced Illness Value Set) during the measurement year.
 - Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year.

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same.

If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.

Title**Description**

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: 0062

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< 80 %	>= 80 % to < 93 %	>= 93 % to < 95 %	>= 95 % to < 97 %	>= 97 %

Measure: C11 - Diabetes Care – Blood Sugar Controlled**Title****Description**

Label for Stars: Plan Members with Diabetes whose Blood Sugar is Under Control

Label for Data: Plan Members with Diabetes whose Blood Sugar is Under Control

Description: Percent of plan members with diabetes who had an A1C lab test during the year that showed their average blood sugar is under control.

HEDIS Label: Comprehensive Diabetes Care (CDC) – HbA1c poor control (>9.0%)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees age 18-75 (denominator) whose most recent HbA1c level is greater than 9%, or who were not tested during the measurement year

Title	Description

(numerator). (This measure for public reporting is reverse scored so higher scores are better.) To calculate this measure, subtract the submitted rate from 100.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions:

- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with both frailty (Frailty Value Set) and advanced illness (Advanced Illness Value Set) during the measurement year.
- Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year.

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of polycystic ovarian syndrome, gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same.

If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Title**Description**

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: 0059

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 39 %	>= 39 % to < 62 %	>= 62 % to < 75 %	>= 75 % to < 83 %	>= 83 %

Measure: C12 - Controlling Blood Pressure
Title**Description**

Label for Stars: Controlling Blood Pressure

Label for Data: Controlling Blood Pressure

Description: Percent of plan members with high blood pressure who got treatment and were able to maintain a healthy pressure.

HEDIS Label: Controlling Blood Pressure (CBP)

Measure Reference: NCQA HEDIS MY 2020 and 2021 Technical Specifications Volume 2, page 153

Metric: The percentage of MA members 18–85 years of age who had a diagnosis of hypertension (HTN) (denominator) and whose BP was adequately controlled (<140/90 mm Hg) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.

Title	Description
	• Members 81 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) during the measurement year. • Members 66–80 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) and advanced illness during the measurement year. • A dispensed dementia medication. • Members receiving palliative care (Palliative Care Assessment Value Set; Palliative Care Encounter Value Set; Palliative Care Intervention Value Set) during the measurement year. (Optional) • Exclude from the eligible population all members with evidence of end-stage renal disease (ESRD) (ESRD Value Set; ESRD Obsolete Value Set) or kidney transplant (Kidney Transplant Value Set) on or prior to December 31 of the measurement year. Documentation in the medical record must include a dated note indicating evidence of ESRD, kidney transplant or dialysis. • Exclude from the eligible population all members with a diagnosis of pregnancy (Pregnancy Value Set) during the measurement year. • Exclude from the eligible population all members who had a nonacute inpatient admission during the measurement year. To identify nonacute inpatient admissions: 1. Identify all acute and nonacute inpatient stays (Inpatient Stay Value Set). 2. Confirm the stay was for nonacute care based on the presence of a nonacute code (Nonacute Inpatient Stay Value Set) on the claim. 3. Identify the admission date for the stay. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure. Data Time Frame: 01/01/2021 – 12/31/2021 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Not Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Intermediate Outcomes Measure Weighting Value: 1 Major Disaster: New Measure Hold Harmless Provision. Meaningful Measure Area: Chronic Conditions

Title

Description

NQF #: 0054

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 48 %	>= 48 % to < 63 %	>= 63 % to < 73 %	>= 73 % to < 80 %	>= 80 %

Measure: C13 - Reducing the Risk of Falling

Title	Description
Label for Stars: Reducing the Risk of Falling	
Label for Data: Reducing the Risk of Falling	
	Description: Percent of plan members with a problem falling, walking, or balancing who discussed it with their doctor and received a recommendation for how to prevent falls during the year.
	HEDIS Label: Fall Risk Management (FRM)
Measure Reference:	NCQA HEDIS Measurement Year 2020 Specifications for the Medicare Health Outcomes Survey Volume 6, page 39
Metric:	The percentage of Medicare members 65 years of age and older who had a fall or had problems with balance or walking in the past 12 months, who were seen by a practitioner in the past 12 months (denominator) and who received a recommendation for how to prevent falls or treat problems with balance or walking from their current practitioner (numerator).
Primary Data Source:	HEDIS-HOS
Data Source Description:	Cohort 22 Follow-up Data collection (2021) and Cohort 24 Baseline data collection (2021).
	HOS Survey Question 48: A fall is when your body goes to the ground without being pushed. In the past 12 months, did you talk with your doctor or other health provider about falling or problems with balance or walking?
	HOS Survey Question 49: Did you fall in the past 12 months?
	HOS Survey Question 50: In the past 12 months have you had a problem with balance or walking?
	HOS Survey Question 51: Has your doctor or other health provider done anything to help prevent falls or treat problems with balance or walking? Some things they might do include:
	• Suggest that you use a cane or walker. • Suggest that you do an exercise or physical therapy program. • Suggest a vision or hearing test.
Data Source Category:	Survey of Enrollees
Exclusions:	Members who responded "I had no visits in the past 12 months" to Question 48 or Question 51 are excluded from results calculations. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.
Data Time Frame:	07/19/2021 – 11/01/2021
General Trend:	Higher is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Safety

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 46 %	>= 46 % to < 53 %	>= 53 % to < 60 %	>= 60 % to < 69 %	>= 69 %

Measure: C14 - Improving Bladder Control**Title****Description**

Label for Stars: Improving Bladder Control

Label for Data: Improving Bladder Control

Description: Percent of plan members with a urine leakage problem in the past 6 months who discussed treatment options with a provider.

HEDIS Label: Management of Urinary Incontinence in Older Adults (MUI)

Measure Reference: NCQA HEDIS Measurement Year 2020 Specifications for the Medicare Health Outcomes Survey Volume 6, page 34

Metric: The percentage of Medicare members 65 years of age or older who reported having any urine leakage in the past six months (denominator) and who discussed treatment options for their urinary incontinence with a provider (numerator).

Primary Data Source: HEDIS-HOS

Title	Description
Data Source Description: HOS Survey Question 42: Many people experience leaking of urine, also called urinary incontinence. In the past six months, have you experienced leaking of urine? HOS Survey Question 45: There are many ways to control or manage the leaking of urine, including bladder training exercises, medication and surgery. Have you ever talked with a doctor, nurse, or other health care provider about any of these approaches? Member choices must be as follows to be included in the denominator: • Q42 = "Yes." • Q45 = "Yes" or "No." The numerator contains the number of members in the denominator who indicated they discussed treatment options for their urinary incontinence with a health care provider. Member choice must be as follows to be included in the numerator: • Q45 = "Yes." Data Source Category: Survey of Enrollees Exclusions: Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded. Data Time Frame: 07/19/2021 – 11/01/2021 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Process Measure Weighting Value: 1 Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2020 disasters. Meaningful Measure Area: Chronic Conditions NQF #: Not Applicable	Cohort 22 Follow-up Data collection (2021) and Cohort 24 Baseline data collection (2021).

Title	Description

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 39 %	>= 39 % to < 43 %	>= 43 % to < 48 %	>= 48 % to < 53 %	>= 53 %

Measure: C15 - Medication Reconciliation Post-Discharge

Title	Description

Label for Stars: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Label for Data: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Description: This shows the percent of plan members whose medication records were updated within 30 days after leaving the hospital. To update the record, a doctor or other health care professional looks at the new medications prescribed in the hospital and compares them with the other medications the patient takes. Updating medication records can help to prevent errors that can occur when medications are changed.

HEDIS Label: Medication Reconciliation Post-Discharge (MRP)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 308

Metric: The percentage of discharges from January 1–December 1 of the measurement year for members 18 years of age and older for whom medications were reconciled the date of discharge through 30 days after discharge (31 total days).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Title**Description**

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Seamless Care Coordination

NQF #: 0097

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 43 %	>= 43 % to < 57 %	>= 57 % to < 69 %	>= 69 % to < 82 %	>= 82 %

Measure: C16 - Statin Therapy for Patients with Cardiovascular Disease**Title****Description**

Label for Stars: The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol

Label for Data: The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol

Description: This rating is based on the percent of plan members with heart disease who get the right type of cholesterol-lowering drugs. Health plans can help make sure their members are prescribed medications that are more effective for them.

HEDIS Label: Statin Therapy for Patients with Cardiovascular Disease (SPC)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 168

Metric: The percentage of males 21–75 years of age and females 40–75 years of age during the measurement year, who were identified as having clinical atherosclerotic cardiovascular disease (ASCVD) (denominator) and were dispensed at least one high or moderate-intensity statin medication during the measurement year (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Pregnancy (Pregnancy Value Set) during the measurement year or year prior to the measurement year.

Title	Description
	• In vitro fertilization (IVF Value Set) in the measurement year or year prior to the measurement year. • Dispensed at least one prescription for clomiphene (Table SPC-A) during the measurement year or the year prior to the measurement year. • ESRD (ESRD Value Set) during the measurement year or the year prior to the measurement year. • Cirrhosis (Cirrhosis Value Set) during the measurement year or the year prior to the measurement year. • Myalgia, myositis, myopathy, or rhabdomyolysis (Muscular Pain and Disease Value Set) during the measurement year. • Members 66 years of age and older as of December 31 of the measurement year who meet either of the following: – Enrolled in an Institutional SNP (I-SNP) any time during the measurement year. – Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year. • Members 66 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria: – At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits. – At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set). – A dispensed dementia medication (Dementia Medications List). Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2021 enrollment report and having measure score reliability less than 0.7 are excluded. Contracts whose enrollment was less than 500 as of the July 2021 enrollment report are excluded from this measure.
Data Time Frame:	01/01/2021 – 12/31/2021
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Included
Case-Mix Adjusted:	No
Weighting Category:	Process Measure
Weighting Value:	1

Title**Description**

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 75 %	>= 75 % to < 81 %	>= 81 % to < 85 %	>= 85 % to < 89 %	>= 89 %

Domain: 3 - Member Experience with Health Plan**Measure: C17 - Getting Needed Care**

Title	Description
Label for Stars:	Ease of Getting Needed Care and Seeing Specialists
Label for Data:	Ease of Getting Needed Care and Seeing Specialists (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned on how easy it is for members to get needed care, including care from specialists.
Metric:	This case-mix adjusted composite measure is used to assess how easy it was for a member to get needed care and see specialists. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type):
	• In the last 6 months, how often did you get an appointment to see a specialist as soon as you needed? • In the last 6 months, how often was it easy to get the care, tests or treatment you needed?
Data Source Category:	Survey of Enrollees
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2022 – 06/2022
General Trend:	Higher is better
Statistical Method:	Relative Distribution and Significance Testing
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	4
Major Disaster:	Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Title	Description

Meaningful Measure Area: Person-Centered Care

NQF #: 0006

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 78	>= 78 to < 80	>= 80 to < 82	>= 82 to < 84	>= 84

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C18 - Getting Appointments and Care Quickly

Title	Description

Label for Stars: Getting Appointments & Care Quickly

Label for Data: Getting Appointments & Care Quickly (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how quickly members get appointments and care.

Metric: This case-mix adjusted composite measure is used to assess how quickly the member was able to get appointments and care. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you needed care right away, how often did you get care as soon as you needed?
- In the last 6 months, how often did you get an appointment for a check-up or routine care as soon as you needed?
- In the last 6 months, how often did you see the person you came to see within 15 minutes of your appointment time?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2022 – 06/2022

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Title	Description

Meaningful Measure Area: Person-Centered Care

NQF #: 0006

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 73	>= 73 to < 76	>= 76 to < 78	>= 78 to < 80	>= 80

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C19 - Customer Service

Title	Description

Label for Stars: Health Plan Provides Information or Help When Members Need It

Label for Data: Health Plan Provides Information or Help When Members Need It (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get information and help from the plan when needed.

Metric: This case-mix adjusted composite measure is used to assess how easy it was for the member to get information and help when needed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often did your health plan's customer service give you the information or help you needed?
- In the last 6 months, how often did your health plan's customer service treat you with courtesy and respect?
- In the last 6 months, how often were the forms from your health plan easy to fill out?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Title**Description**

Data Time Frame: 03/2022 – 06/2022

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: 0006

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 88	>= 88 to < 89	>= 89 to < 91	>= 91 to < 92	>= 92

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C20 - Rating of Health Care Quality**Title****Description**

Label for Stars: Member's Rating of Health Care Quality

Label for Data: Member's Rating of Health Care Quality (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned from members who rated the quality of the health care they received.

Metric: This case-mix adjusted measure is used to assess members' view of the quality of care received from the health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a

Title**Description**

scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question numbers vary depending on survey type):

- Using any number from 0 to 10, where 0 is the worst health care possible and 10 is the best health care possible, what number would you use to rate all your health care in the last 6 months?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2022 – 06/2022

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: 0006

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C21 - Rating of Health Plan

Title	Description
Label for Stars:	Member's Rating of Health Plan
Label for Data:	Member's Rating of Health Plan (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned from members who rated the health plan.
Metric:	This case-mix adjusted measure is used to assess members' overall view of their health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Question (question numbers vary depending on survey type):
	• Using any number from 0 to 10, where 0 is the worst health plan possible and 10 is the best health plan possible, what number would you use to rate your health plan?
Data Source Category:	Survey of Enrollees
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2022 – 06/2022
General Trend:	Higher is better
Statistical Method:	Relative Distribution and Significance Testing
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	4
Major Disaster:	Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.
	Person-Centered Care
NQF #:	0006
Data Display:	Numeric with no decimal place

Title	Description						
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes
Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5		
	< 84	>= 84 to < 85	>= 85 to < 88	>= 88 to < 89	>= 89		

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C22 - Care Coordination

Title	Description

Label for Stars: Coordination of Members' Health Care Services

Label for Data: Coordination of Members' Health Care Services (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how well the plan coordinates members' care. (This includes whether doctors had the records and information they needed about members' care and how quickly members got their test results.)

Metric: This case-mix adjusted composite measure is used to assess Care Coordination. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale of 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you visited your personal doctor for a scheduled appointment, how often did he or she have your medical records or other information about your care?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did someone from your personal doctor's office follow up to give you those results?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did you get those results as soon as you needed them?
- In the last 6 months, how often did you and your personal doctor talk about all the prescription medicines you were taking?
- In the last 6 months, did you get the help you needed from your personal doctor's office to manage your care among these different providers and services?
- In the last 6 months, how often did your personal doctor seem informed and up-to-date about the care you got from specialists?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2022 – 06/2022

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Title**Description**

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Seamless Care Coordination

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 83	>= 83 to < 85	>= 85 to < 86	>= 86 to < 87	>= 87

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Member Complaints and Changes in the Health Plan's Performance**Measure: C23 - Complaints about the Health Plan**

Title	Description
Label for Stars:	Complaints about the Health Plan (more stars are better because it means fewer complaints)
Label for Data:	Complaints about the Health Plan (lower numbers are better because it means fewer complaints)
Description:	Percent of members filing complaints with Medicare about the health plan.
Metric:	Rate of complaints about the health plan per 1,000 members. For each contract, this rate is calculated as: $\left[\frac{\text{Total number of all complaints logged into the Complaints Tracking Module (CTM)}}{\text{Average Contract enrollment}} \right] * 1,000 * 30 / (\text{Number of Days in Period})$
	Number of Days in Period = 366 for leap years, 365 for all other years.
	• Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data. • Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract. • A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.
Primary Data Source:	Complaints Tracking Module (CTM)
Data Source Description:	Data were obtained from the CTM based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2021 complaints made by June 30, 2022 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis.
Data Source Category:	CMS Administrative Data
Exclusions:	On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.
	Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.
Data Time Frame:	01/01/2021 – 12/31/2021
General Trend:	Lower is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Numeric with 2 decimal places

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
> 1.52	> 0.89 to <= 1.52	> 0.5 to <= 0.89	> 0.19 to <= 0.5	<= 0.19

Measure: C24 - Members Choosing to Leave the Plan**Title****Description**

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2021–December 31, 2021 (numerator) divided by all members enrolled in the contract at any time during 2021 (denominator).

Primary Data Source: MBDSS

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Title**Description**

Data Source Category: CMS Administrative Data

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2021 and 12/31/2021 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Title**Description**

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	> 39 %	> 24 % to <= 39 %	> 15 % to <= 24 %	> 7 % to <= 15 %	<= 7 %

Measure: C25 - Health Plan Quality Improvement**Title****Description**

Label for Stars: Improvement (if any) in the Health Plan's Performance

Label for Data: Improvement (if any) in the Health Plan's Performance

Description: This shows how much the health plan's performance improved or declined from one year to the next.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).

If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.

If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures. The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2022 and 2023 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2022 and 2023 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

Title	Description

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-centered Care

NQF #: Not Applicable

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< -0.298771	>= -0.298771 to < 0	>= 0 to < 0.101745	>= 0.101745 to < 0.328141	>= 0.328141		

Domain: 5 - Health Plan Customer Service**Measure: C26 - Plan Makes Timely Decisions about Appeals****Title****Description**

Label for Stars: Health Plan Makes Timely Decisions about Appeals

Label for Data: Health Plan Makes Timely Decisions about Appeals

Description: This rating shows how fast a plan sends information for an independent review. (This description has been updated to better explain the measure. There have been no changes to the measure.)

Metric: Percent of appeals timely processed by the plan (numerator) out of all the plan's appeals decided by the Independent Review Entity (IRE) (includes upheld, overturned, partially overturned appeals and dismissed because the plan agreed to cover) (denominator). This is calculated as:

$$([Number\ of\ Timely\ Appeals] / ([Appeals\ Upheld] + [Appeals\ Overturned] + [Appeals\ Partially\ Overturned] + [Appeals\ Dismissed\ Because\ Plan\ Agreed\ to\ Cover])) * 100.$$

Primary Data Source: Independent Review Entity (IRE)

Data Source Description: Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. The timeliness is based on the actual IRE received date and is compared to the date the appeal should have been received by the IRE.

Data Source Category: Data Collected by CMS Contractors

Exclusions: If the denominator is ≤ 10 , the result is "Not enough data available." Dismissed for reasons other than the plan agreed to cover and Withdrawn appeals are excluded from this measure.

General Notes: This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.

The number of timely appeals can be calculated using this formula:

$$[Number\ of\ Timely\ Appeals] = ([Appeals\ Upheld] + [Appeals\ Overturned] + [Appeals\ Partially\ Overturned]) + [Appeals\ Dismissed\ Because\ Plan\ Agreed\ to\ Cover] - [Late]$$

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

Title**Description**

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Affordability and Efficiency

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 59 %	>= 59 % to < 75 %	>= 75 % to < 85 %	>= 85 % to < 97 %	>= 97 %

Measure: C27 - Reviewing Appeals Decisions**Title****Description**

Label for Stars: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Label for Data: Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer

Description: This rating shows how often an independent reviewer found the health plan's decision to deny coverage to be reasonable. (This description has been updated to better explain the measure. There have been no changes to the measure.)

Metric: Percent of appeals where a plan's decision was "upheld" by the Independent Review Entity (IRE) (numerator) out of all the plan's appeals (upheld, overturned, and partially overturned appeals only) that the IRE reviewed (denominator). This is calculated as:

$$([Appeals Upheld] / ([Appeals Upheld] + [Appeals Overturned] + [Appeals Partially Overturned])) * 100.$$

Primary Data Source: Independent Review Entity (IRE)

Data Source Description: Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. If a Reopening occurs and is decided prior to June 30, 2022, the Reopened decision is used in place of the Reconsideration decision. Reopenings decided on or

Title	Description

after June 30, 2022 are not reflected in these data the original decision result is used. The results of appeals that occur beyond Level 2 (i.e., Administrative Law Judge or Medicare Appeals Council appeals) are not included in the data.

Data Source Category: Data Collected by CMS Contractors

Exclusions: If the minimum number of appeals (upheld + overturned + partially overturned) is ≤ 10 , the result is "Not enough data available." Dismissed and Withdrawn appeals are excluded from this measure.

General Notes: This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Measures Capturing Access

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Affordability and Efficiency

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 68 %	≥ 68 % to < 83 %	≥ 83 % to < 91 %	≥ 91 % to < 97 %	≥ 97 %		

Measure: C28 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the health plan's prospective enrollee customer service phone line.
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within seven minutes.
Primary Data Source:	Call Center
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MAOs, MA-PDs, and MMPs under sanction.
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov
Data Time Frame:	02/2022 – 05/2022
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access
Weighting Value:	4
Major Disaster:	No adjustment for 2020 or 2021 disasters.

Title	Description

Meaningful Measure Area: Person-centered Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	No	Yes	Yes	Yes	No	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< 36 %	>= 36 % to < 59 %	>= 59 % to < 83 %	>= 83 % to < 94 %	>= 94 %

See [Attachment C](#) for the national averages of individual Part D measures.

Domain: 1 - Drug Plan Customer Service

Measure: D01 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the drug plan's prospective enrollee customer service line.
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part D benefit within seven minutes.
Primary Data Source:	Call Center
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MA-PDs, PDPs, and MMPs under sanction.
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov
Data Time Frame:	02/2022 – 05/2022
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access

Title**Description**

Weighting Value: 4

Major Disaster: No adjustment for 2020 or 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 30 %	>= 30 % to < 64 %	>= 64 % to < 80 %	>= 80 % to < 91 %	>= 91 %
PDP	< 60 %	>= 60 % to < 75 %	>= 75 % to < 91 %	>= 91 % to < 97 %	>= 97 %

Domain: 2 - Member Complaints and Changes in the Drug Plan's Performance**Measure: D02 - Complaints about the Drug Plan**

Title	Description
Label for Stars:	Complaints about the Drug Plan (more stars are better because it means fewer complaints)
Label for Data:	Complaints about the Drug Plan (number of complaints for every 1,000 members). (Lower numbers are better because it means fewer complaints.)
Description:	Percent of members filing complaints with Medicare about the drug plan.
Metric:	Rate of complaints about the drug plan per 1,000 members. For each contract, this rate is calculated as: $\left[\frac{\text{Total number of all complaints logged into the Complaints Tracking Module (CTM)}}{\text{Average Contract enrollment}} \right] * 1,000 * 30 / (\text{Number of Days in Period})$
	Number of Days in Period = 366 for leap years, 365 for all other years.
	• Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data. • Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract. • A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.
Primary Data Source:	Complaints Tracking Module (CTM)
Data Source Description:	Data were obtained from the CTM based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2021 complaints made by June 30, 2022 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis.
Data Source Category:	CMS Administrative Data
Exclusions:	On May 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.
	Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.
Data Time Frame:	01/01/2021 – 12/31/2021
General Trend:	Lower is better

Title**Description**

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Numeric with 2 decimal places

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 1.52	> 0.89 to <= 1.52	> 0.5 to <= 0.89	> 0.19 to <= 0.5	<= 0.19
PDP	> 0.34	> 0.22 to <= 0.34	> 0.13 to <= 0.22	> 0.06 to <= 0.13	<= 0.06

Measure: D03 - Members Choosing to Leave the Plan**Title****Description**

Label for Stars: Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)

Label for Data: Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)

Description: Percent of plan members who chose to leave the plan.

Metric: The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2021–December 31, 2021 (numerator) divided by all members enrolled in the contract at any time during 2021 (denominator).

Primary Data Source: MBDSS

Title	Description

Data Source Description: Medicare Beneficiary Database Suite of Systems (MBDSS)

Data Source Category: CMS Administrative Data

Exclusions: Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically:

- Members affected by a contract service area reduction
- Members affected by PBP termination
- Members in PBPs that were granted special enrollment exceptions
- Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into
- Members affected by LIS reassignments
- Members who are enrolled in employer group plans
- Members who were passively enrolled into a Demonstration (MMP)
- Contracts with less than 1,000 enrollees
- 1876 Cost contract disenrollments into the transition MA contract (H contract)
- Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.

General Notes: This measure includes members with a disenrollment effective date between 1/1/2021 and 12/31/2021 who disenrolled from the contract with any one of the following disenrollment reason codes:

- 11 - Voluntary Disenrollment through plan
- 13 - Disenrollment because of enrollment in another Plan
- 14 - Retroactive
- 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Title**Description**

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 39 %	> 24 % to <= 39 %	> 15 % to <= 24 %	> 7 % to <= 15 %	<= 7 %
PDP	> 23 %	> 16 % to <= 23 %	> 11 % to <= 16 %	> 7 % to <= 11 %	<= 7 %

Measure: D04 - Drug Plan Quality Improvement**Title****Description**

Label for Stars: Improvement (if any) in the Drug Plan's Performance

Label for Data: Improvement (If any) in the Drug Plan's Performance

Description: This shows how much the drug plan's performance has improved or declined from one year to the next year.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures. The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2022 and 2023 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Title**Description**

Data Source Description: 2022 and 2023 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Not Applicable

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< -0.325131	>= -0.325131 to < 0	>= 0 to < 0.159307	>= 0.159307 to < 0.391045	>= 0.391045
PDP	< -0.237362	>= -0.237362 to < 0	>= 0 to < 0.389234	>= 0.389234 to < 0.851667	>= 0.851667

Domain: 3 - Member Experience with the Drug Plan**Measure: D05 - Rating of Drug Plan**

Title	Description
Label for Stars:	Members' Rating of Drug Plan
Label for Data:	Members' Rating of Drug Plan (on a scale from 0 to 100)
	Description: Percent of the best possible score the plan earned from members who rated the prescription drug plan.
	Metric: This case-mix adjusted measure is used to assess members' overall view of their prescription drug plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type):
	• Using any number from 0 to 10, where 0 is the worst prescription drug plan possible and 10 is the best prescription drug plan possible, what number would you use to rate your prescription drug plan?
Data Source Category:	Survey of Enrollees
	General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2022 – 06/2022
	General Trend: Higher is better
	Statistical Method: Relative Distribution and Significance Testing
Improvement Measure:	Included
	CAI Usage: Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	4
	Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.
Meaningful Measure Area:	Person-Centered Care

Title**Description**

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	< 83	>= 83 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88
PDP	< 79	>= 79 to < 80	>= 80 to < 83	>= 83 to < 87	>= 87

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: D06 - Getting Needed Prescription Drugs**Title****Description**

Label for Stars: Ease of Getting Prescriptions Filled When Using the Plan

Label for Data: Ease of Getting Prescriptions Filled When Using the Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get the prescription drugs they need using the plan.

Metric: This case-mix adjusted measure is used to assess the ease with which a beneficiary gets the medicines their doctor prescribed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often was it easy to use your prescription drug plan to get the medicines your doctor prescribed?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription at your local pharmacy?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription by mail?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2022. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2022 – 06/2022

Title**Description**

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 4

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Person-Centered Care

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:

Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
MA-PD	< 88	>= 88 to < 89	>= 89 to < 91	>= 91 to < 92	>= 92
PDP	< 87	>= 87 to < 88	>= 88 to < 90	>= 90 to < 92	>= 92

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Drug Safety and Accuracy of Drug Pricing**Measure: D07 - MPF Price Accuracy**

Title	Description
Label for Stars:	Plan Provides Accurate Drug Pricing Information for This Website
Label for Data:	Plan Provides Accurate Drug Pricing Information for This Website (higher scores are better because they mean more accurate prices)
Description:	A score comparing the drug's total cost at the pharmacy to the drug prices the plan provided for the Medicare Plan Finder website. Higher scores are better because they mean the plan provided more accurate prices.
Metric:	This measure evaluates the accuracy of drug prices posted on the MPF tool. A contract's score is based on the accuracy index, or magnitude of difference, and the claim percentage index, or frequency of difference.
	The accuracy index – or magnitude of difference - considers both ingredient cost and dispensing fee and measures the amount that the PDE price is higher than the MPF price. The claim percentage index – or frequency of difference - also considers both ingredient cost and dispensing fee while measuring how often the PDE price is higher than the MPF price. Therefore, prices that are overstated on MPF will not count against a plan's score.
	The accuracy index is computed as: (Total amount that PDE is higher than PF + Total PDE cost) / (Total PDE cost).
	The claim percentage index is computed as: (Total number of PDEs where PDE cost is higher than PF) / (Total number of PDEs).
	The best possible accuracy index is 1 and claim percentage index is 0. Indexes with these values indicate that a plan did not have PDE prices greater than MPF prices.
	A contract's score is computed using its accuracy index and claim percentage index as: $.5 \times (100 - ((\text{accuracy index} - 1) \times 100)) + .5 \times ((1 - \text{claim percentage index}) \times 100)$.
Primary Data Source:	PDE data, MPF Pricing Files
Data Source Description:	Data used in this measure are obtained from a number of sources: PDE data and MPF Pricing Files are the primary data sources. The HPMS-approved formulary extracts, and data from First DataBank and Medi-span are also used. Post-reconciliation PDE adjustments are not reflected in this measure.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	A contract with less than 30 PDE claims over the measurement period. PDEs must also meet the following criteria:
	• If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the

Title**Description**

pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible.

- Drug must appear in formulary file and in MPF pricing file
- PDE must be a 28-34, 60-62, or 90-93 day supply. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan.
- Date of service must occur at a time that data are not suppressed for the plan on MPF
- PDE must not be a compound claim
- PDE must not be a non-covered drug

General Notes: Please see [Attachment L](#): Methodology for Price Accuracy Measure for more information about this measure.

Data Time Frame: 01/01/2021 – 09/30/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Affordability and Efficiency

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 72	>= 72 to < 86	>= 86 to < 93	>= 93 to < 97	>= 97
PDP	< 90	>= 90 to < 94	>= 94 to < 96	>= 96 to < 99	>= 99

Measure: D08 - Medication Adherence for Diabetes Medications

Title	Description

Label for Stars: Taking Diabetes Medication as Directed

Label for Data: Taking Diabetes Medication as Directed

Description: Percent of plan members with a prescription for diabetes medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with diabetes can manage their health is by taking their medication as directed. The plan, the doctor, and the member can work together to find ways to do this. (“Diabetes medication” means a *biguanide drug*, a *sulfonylurea drug*, a *thiazolidinedione drug*, a *DPP-4 inhibitor*, a GLP-1 receptor agonist, a *meglitinide drug*, or an *SGLT2 inhibitor*. Plan members who take insulin are not included.)

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy across classes of diabetes medications: biguanides, sulfonylureas, thiazolidinediones, DiPeptidyl Peptidase (DPP)-4 Inhibitors, GLP-1 receptor agonists, meglitinides, and sodium glucose cotransporter 2 (SGLT2) inhibitors. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher across the classes of diabetes medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two fills of diabetes medication(s) on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 91 days before the end of the enrollment period.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2021 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2021-December 31, 2021. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2021 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for

Title	Description
	diabetes medication(s). PDE adjustments made post-reconciliation were not reflected in this measure. Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries. • RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for insulin

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by the active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment for IP/SNF stays. Please see [Attachment K](#): Medication Adherence Measure Calculations for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Title**Description**

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: 0541

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 79 %	>= 79 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %
PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %

Measure: D09 - Medication Adherence for Hypertension (RAS antagonists)**Title****Description**

Label for Stars: Taking Blood Pressure Medication as Directed

Label for Data: Taking Blood Pressure Medication as Directed

Description: Percent of plan members with a prescription for a blood pressure medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high blood pressure can manage their health is by taking medication as directed. The plan, the doctor, and the member can

Title	Description
	work together to do this. (“Blood pressure medication” means an <i>ACEI (angiotensin converting enzyme inhibitor)</i>, an <i>ARB (angiotensin receptor blocker)</i>, or a <i>direct renin inhibitor drug</i>.) Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for renin angiotensin system (RAS) antagonists: angiotensin converting enzyme inhibitor (ACEI), angiotensin receptor blocker (ARB), or direct renin inhibitor medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for RAS antagonist medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two RAS antagonist medication fills on unique dates of service during the measurement period (denominator). The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their RAS antagonist medication occurs at least 91 days before the end of the enrollment period. The Part D Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA). See the medication list for this measure. The Part D Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes. Primary Data Source: Prescription Drug Event (PDE) data Data Source Description: The data for this measure come from PDE data submitted to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2021 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2021-December 31, 2021. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2021 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for RAS antagonist medication(s). PDE adjustments made post-reconciliation were not reflected in this measure. Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), and the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available).

Title	Description

- EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.
- RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for sacubitril/valsartan

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see [Attachment K: Medication Adherence Measure Calculations](#) for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Title**Description**

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: 0541

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 78 %	>= 78 % to < 86 %	>= 86 % to < 89 %	>= 89 % to < 91 %	>= 91 %
PDP	< 86 %	>= 86 % to < 89 %	>= 89 % to < 91 %	>= 91 % to < 96 %	>= 96 %

Measure: D10 - Medication Adherence for Cholesterol (Statins)**Title****Description**

Label for Stars: Taking Cholesterol Medication as Directed

Label for Data: Taking Cholesterol Medication as Directed

Description: Percent of plan members with a prescription for a cholesterol medication (a *statin drug*) who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.

One of the most important ways people with high cholesterol can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this.

Metric: This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for statin cholesterol medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for statin cholesterol medication(s) during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two statin cholesterol medication fills on unique dates of service during the measurement period (denominator).

Title	Description
	The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in the therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their statin medication occurs at least 91 days before the end of the enrollment period. The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA). See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2021 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2021-December 31, 2021. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2021 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for statin medication. PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS).

- CME is used for enrollment information.
- EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period).
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available).
- EDS is used to identify diagnoses based on ICD-10-CM codes, and SNF/IP stays for MA-PD beneficiaries.
- RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates

Title	Description
General Notes: Data Time Frame: 01/01/2021 – 12/31/2021 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Intermediate Outcome Measure Weighting Value: 3 Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters. Meaningful Measure Area: Chronic Conditions NQF #: 0541	Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode. The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$). The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see Attachment K: Medication Adherence Measure Calculations for more information about these calculation adjustments. When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Title	Description

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	< 81 %	>= 81 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %
	PDP	< 84 %	>= 84 % to < 87 %	>= 87 % to < 88 %	>= 88 % to < 90 %	>= 90 %

Measure: D11 - MTM Program Completion Rate for CMR

Title	Description

Label for Stars: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Label for Data: Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications

Description: Some plan members are in a program (called a *Medication Therapy Management* program) to help them manage their drugs. The measure shows how many members in the program had an assessment of their medications from the plan. The assessment includes a discussion between the member and a pharmacist (or other health care professional) about all of the member's medications. The member also receives a written summary of the discussion, including an action plan that recommends what the member can do to better understand and use his or her medications.

Metric: This measure is defined as the percent of Medication Therapy Management (MTM) program enrollees who received a Comprehensive Medication Review (CMR) during the reporting period.

Numerator = Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period.

Denominator = Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period and who were enrolled in the MTM program for at least 60 days during the reporting period. Only those beneficiaries who meet the contracts' specified targeting criteria per CMS – Part D requirements pursuant to §423.153(d) of the regulations at any time in the reporting period are included in this measure. Beneficiaries who were in hospice at any point during the reporting period are excluded. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe. The date of enrollment is counted towards the 60 days but the opt-out date is not.

A beneficiary's MTM eligibility, receipt of CMRs, etc., is determined for each contract he/she was enrolled in during the measurement period. Similarly, a contract's CMR completion rate is calculated based on each of its eligible MTM enrolled beneficiaries. For example, a beneficiary must meet the inclusion criteria for the contract to be included in the contract's CMR rate. A beneficiary who is enrolled in two different

Title	Description
	contracts' MTM programs for 30 days each is therefore excluded from both contracts' CMR rates. The beneficiary is only included in the measure calculation for the contract(s) where they were enrolled at least 60 days. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract. Beneficiaries may be enrolled in MTM based on the contracts' specified targeting criteria per CMS – Part D requirements and/or based on expanded, other plan-specific targeting criteria. Beneficiaries who were initially enrolled in MTM due to other plan-specific (expanded) criteria and then later met the contracts' specified targeting criteria per CMS – Part D requirements at any time in the reporting period are included in this measure. In these cases, a CMR received after the date of MTM enrollment but before the date the beneficiary met the specified targeting criteria per CMS – Part D requirements are included. Primary Data Source: Part D Plan Reporting Data Source Description: The data for this measure were reported by contracts to CMS per the 2021 Part D Reporting Requirements (data pulled June 2022). Validation of these data was performed retrospectively during the 2022 data validation cycle (deadline June 30, 2022 and data validation results pulled July 2022). Additionally, the Medicare Enrollment Database (EDB) is used for hospice enrollment (data pulled March 2022). Data Source Category: Health and Drug Plans Exclusions: Contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2022) are excluded and listed as "No data available." The current MTM requirements are waived for the PBPs approved to participate in the Enhanced MTM Model and data on participating PBPs must not be reported per the Part D Reporting Requirements under the current MTM program. This MTM data will instead be reported in accordance with model terms and conditions and not included in the measure calculation. MTM CMR rates are not provided for contracts that did not score at least 95% on data validation for the Medication Therapy Management Program reporting section or were not compliant with data validation standards/sub-standards for any of the following Medication Therapy Management Program data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation. • MBI Number (Element B) • Met the specified targeting criteria per CMS – Part D requirements (Element F) • Date of MTM program enrollment (Element I) • Date met the specified targeting criteria per CMS – Part D requirements (Element J) • Date of MTM program opt-out, if applicable (Element L) • Received annual CMR with written summary in CMS standardized format (Element Q) • Date(s) of CMR(s) (Element R) MTM CMR rates are also not provided for contracts that failed to submit their MTM file and pass system validation by the reporting deadline or who had a missing data validation score for MTM. Contracts excluded from the MTM CMR Rates due to data validation issues are shown as "CMS identified issues with this plan's data." See

Title**Description**

[Attachment M](#) for more details on the MTM CMR completion rate measure scoring methodology.

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select "Monitoring," then "Plan Reporting Data Validation." Select the appropriate contract year. Select the PRDVM Reports. Select "Score Detail Report." Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 31 or more enrollees in the denominator in order to have a calculated rate. Contracts with fewer than 31 eligible enrollees are listed as "Not enough data available".

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Seamless Care Coordination

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 47 %	>= 47 % to < 67 %	>= 67 % to < 82 %	>= 82 % to < 89 %	>= 89 %
PDP	< 34 %	>= 34 % to < 49 %	>= 49 % to < 62 %	>= 62 % to < 78 %	>= 78 %

Measure: D12 - Statin Use in Persons with Diabetes (SUPD)

Title	Description
Label for Stars:	The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol
Label for Data:	The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol
Description:	To lower their risk of developing heart disease, most people with diabetes should take cholesterol medication. This rating is based on the percent of plan members with diabetes who take the most effective cholesterol-lowering drugs. Plans can help make sure their members get these prescriptions filled.
Metric:	This measure is defined as the percent of Medicare Part D beneficiaries 40-75 years old who were dispensed at least two diabetes medication fills and received a statin medication fill during the measurement period. The percentage is calculated as the number of member-years of enrolled beneficiaries 40-75 years old who received a statin medication fill during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 40-75 years old with at least two diabetes medication fills on unique dates of service during the measurement period (denominator).

Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 90 days before the end of the measurement year or end of the enrollment episode.

The SUPD measure is adapted from the measure concept that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The SUPD measure is calculated using the National Drug Code (NDC) lists updated by the PQA. The complete NDC lists, including diagnosis codes, are posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from Prescription Drug Event (PDE) data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2021 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2021 – December 31, 2021. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2021 PDE submission deadline are used to calculate this measure. PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS).

- CME is used for enrollment information.
- EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period).

Title	Description

- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes.
- EDS is used to identify diagnoses based on ICD-10-CM codes.
- RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are excluded from the denominator if at any time during the measurement period:

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- Rhabdomyolysis and myopathy
- Pregnancy
- Lactation and fertility
- Liver Disease
- Pre-Diabetes
- Polycystic Ovary Syndrome

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member years for each episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

Data Time Frame: 01/01/2021 – 12/31/2021

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Title**Description**

Weighting Value: 1

Major Disaster: Higher measure star (2022-2023) for contracts with 25% or more enrolled affected by 2021 disasters.

Meaningful Measure Area: Chronic Conditions

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 84 %	>= 84 % to < 86 %	>= 86 % to < 90 %	>= 90 %
PDP	< 80 %	>= 80 % to < 82 %	>= 82 % to < 84 %	>= 84 % to < 86 %	>= 86 %

CAHPS Case-Mix Adjustment

The CAHPS measures are case-mix adjusted to take into account the mix of enrollees. Case-mix variables include dual eligibility and education among other variables. The tables below include the case-mix variables and show the case-mix coefficients for each of the CAHPS measures included in the Star Ratings. The coefficients indicate how much higher or lower people with a given characteristic tend to respond compared to otherwise similar people with the baseline value for that characteristic, on the original scale of the item or composite, as presented in plan reports.

For example, for the measure "Getting Appointments and Care Quickly," the model coefficient for "age 75-79" is 0.0322, indicating that respondents in that age range tend to score their plans 0.0322 points higher than otherwise similar people in the 70-74 age range (the baseline or reference category). Similarly, Medicaid dual eligibles tend to respond 0.0103 points lower on this item than otherwise similar non-duals. Contracts with higher proportions of beneficiaries who are in the 75-79 age range will be adjusted downward on this measure to compensate for the positive response tendency of their respondents. Similarly, contracts with higher proportions of respondents who are Medicaid dual eligibles will be adjusted upward on this measure to compensate for their respondents' negative response tendency. The case-mix patterns are not always consistent across measures. Missing case-mix adjusters are imputed as the contract mean.

The composites consist of multiple items, each of which is adjusted separately before combining the adjusted scores into a composite score. In the tables we report the average of the model coefficients for these several items, for each of the categories (rows) of the table, as a summary of the adjustment for the composite. For more detailed information on the application of CAHPS case-mix adjustment, including item-level coefficients, please review the materials at <https://ma-pdpcahps.org/en/scoring-and-star-ratings/>.

Table A-1: Coefficients of Part C CAHPS Measures

Predictor	C03: Annual Flu Vaccine	C17: Getting Needed Care (Comp)	C18: Getting Appointments and Care Quickly (Comp)	C19: Customer Service (Comp)	C20: Rating of Health Care Quality	C21: Rating of Health Plan	C22: Care Coordination (Comp)
Age: 64 or under	N/A	0.0117	0.0142	-0.0009	-0.0502	-0.0849	0.0177
Age: 65 – 69	N/A	-0.0174	-0.0001	-0.0152	-0.0697	-0.0883	-0.0167
Age: 75 – 79	N/A	0.0184	0.0322	-0.0111	0.0261	0.0474	-0.0125
Age: 80 – 84	N/A	0.0103	0.0357	-0.0111	0.0299	0.0910	-0.0280
Age: 85 and older	N/A	0.0081	0.0065	-0.0234	0.0242	0.0663	-0.0693
Less than an 8th grade education	N/A	-0.0291	-0.0563	-0.0194	0.0079	0.0356	-0.0161
Some high school	N/A	-0.0116	-0.0149	0.0108	0.0176	0.0896	0.0077
Some college	N/A	-0.0267	-0.0199	-0.0112	-0.1238	-0.1623	-0.0357
College graduate	N/A	-0.0433	-0.0176	-0.0373	-0.1123	-0.2140	-0.0529
More than a bachelor's degree	N/A	-0.0837	-0.0284	-0.0820	-0.2191	-0.3616	-0.0443
General health rating: excellent	N/A	0.0693	0.0903	0.0450	0.3535	0.2377	0.0440
General health rating: very good	N/A	0.0515	0.0515	0.0270	0.2128	0.1345	0.0400
General health rating: fair	N/A	-0.0557	-0.0637	-0.0078	-0.2617	-0.1348	-0.0301
General health rating: poor	N/A	-0.0966	-0.0674	-0.0602	-0.5058	-0.3701	-0.0528
Mental health rating: excellent	N/A	0.1704	0.1087	0.0967	0.4161	0.3217	0.1262
Mental health rating: very good	N/A	0.0932	0.0751	0.0447	0.1984	0.1503	0.0636
Mental health rating: fair	N/A	-0.0608	-0.0343	-0.0408	-0.1347	-0.1404	-0.0548

Predictor	C03: Annual Flu Vaccine	C17: Getting Needed Care (Comp)	C18: Getting Appointments and Care Quickly (Comp)	C19: Customer Service (Comp)	C20: Rating of Health Care Quality	C21: Rating of Health Plan	C22: Care Coordination (Comp)
Mental health rating: poor	N/A	-0.1353	-0.0898	-0.0512	-0.4440	-0.4034	-0.0697
Proxy helped	N/A	0.0034	-0.0126	-0.0494	-0.1597	-0.0481	0.0104
Proxy answered	N/A	0.0491	0.0439	0.0232	0.1209	0.0889	0.0227
Medicaid dual eligible	N/A	-0.0107	-0.0103	-0.0129	0.0652	0.3090	-0.0009
Low-income subsidy (LIS)	N/A	-0.0268	-0.0601	-0.0254	-0.0482	0.0082	0.0113
Asian Language	N/A	-0.0607	-0.1575	-0.0075	0.3067	-0.1629	-0.0227

Table A-2: Coefficients of Part D CAHPS Measures

Predictor	MA-PD D05: Rating of Drug Plan	MA-PD D06: Getting Needed Prescription Drugs (Comp)	PDP D05: Rating of Drug Plan	PDP D06: Getting Needed Prescription Drugs (Comp)
Age: 64 or under	-0.1499	-0.0445	-0.0098	0.0148
Age: 65 – 69	-0.1644	-0.0193	-0.3052	-0.0413
Age: 75 – 79	0.1157	0.0056	0.1275	0.0272
Age: 80 – 84	0.1244	0.0009	0.3156	0.0246
Age: 85 and older	0.2172	0.0052	0.3568	0.0382
Less than an 8th grade education	0.0514	-0.0232	-0.1655	-0.0333
Some high school	0.0781	-0.0087	0.1881	-0.0491
Some college	-0.1918	-0.0307	-0.0950	-0.0405
College graduate	-0.2269	-0.0412	-0.0997	-0.0476
More than a bachelor's degree	-0.3418	-0.0815	-0.2220	-0.0848
General health rating: excellent	0.2703	0.0434	0.3332	0.0498
General health rating: very good	0.2070	0.0351	0.1939	0.0521
General health rating: fair	-0.1402	-0.0372	-0.1426	-0.0715
General health rating: poor	-0.4256	-0.1039	-0.6455	-0.0760
Mental health rating: excellent	0.3039	0.0975	0.1324	0.0647
Mental health rating: very good	0.1518	0.0531	0.0713	0.0100
Mental health rating: fair	-0.0560	-0.0357	-0.1568	-0.0028
Mental health rating: poor	-0.2670	-0.0589	0.0482	0.0217
Proxy helped	-0.1184	-0.0429	-0.1199	-0.0073
Proxy answered	-0.0016	0.0176	0.1867	0.0002
Medicaid dual eligible	0.5044	0.0400	0.8962	0.0503
Low-income subsidy (LIS)	0.2810	0.0065	0.8890	0.0741
Asian Language	-0.3796	-0.1409	0.0000	0.0000

First Year Following a Consolidation

In the first year following a consolidation, the measure values for the surviving contract of a consolidation are calculated as the enrollment-weighted mean of all contracts in the consolidation. The month(s) of enrollment used to calculate the enrollment weighted means varies by the type measure. The table below lists the enrollment used for each type of measure and the rule followed to determine the month(s) of enrollment.

Type of Measure	Rule for Which Month of Enrollment is Used	Month(s) of Enrollment Used for 2023 Star Ratings
CAHPS	Enrollment at the time survey sample is pulled	January 2022
Call Center	Average enrollment during the study period	Feb 2022 – May 2022
HOS	Enrollment at the time survey sample is pulled	April 2021
HEDIS-HOS	Enrollment at the time survey sample is pulled	April 2021
HEDIS	Enrollment in July of the measurement period	July 2021
All Other Measures	Enrollment in July of the measurement period	July 2021

Example Calculation

Contract ID	Surviving or Consumed Contract	Value for Breast Cancer Screening (BCS) Measure	July 2021 Enrollment
HAAAA	Surviving	75.13	43,326
HAAAB	Consumed	50.91	20,933

$$\text{Value for BCS for HAAAA} = \frac{75.13 \times 43,326 + 50.91 \times 20,933}{43,326 + 20,933} = 67.24$$

Second Year Following a Consolidation

In the second year following a consolidation, the measure values for the surviving contract of a consolidation are as reported for CAHPS, call center, HOS, and HEDIS measures. For all other measures, the measure values for the surviving contract of a consolidation are calculated as the enrollment weighted mean of all contracts in the consolidation.

Attachment C: National Averages for Part C and D Measures

The tables below contain the average of the numeric and star values for each measure reported in the 2023 Star Ratings. The averages are calculated after the disaster adjustment has been applied.

Table C-1: National Averages for Part C Measures

Measure ID	Measure Name	Numeric Average	Star Average
C01	Breast Cancer Screening	70%	3.7
C02	Colorectal Cancer Screening	72%	3.8
C03	Annual Flu Vaccine	73%	3.2
C04	Monitoring Physical Activity	51%	3.2
C05	Special Needs Plan (SNP) Care Management	73%	3.3
C06	Care for Older Adults – Medication Review	91%	4.4
C07	Care for Older Adults – Pain Assessment	90%	4.3
C08	Osteoporosis Management in Women who had a Fracture	45%	2.6
C09	Diabetes Care – Eye Exam	72%	3.7
C10	Diabetes Care – Kidney Disease Monitoring	95%	3.9
C11	Diabetes Care – Blood Sugar Controlled	78%	4.1
C12	Controlling Blood Pressure	71%	3.5
C13	Reducing the Risk of Falling	56%	2.9
C14	Improving Bladder Control	46%	3.3
C15	Medication Reconciliation Post-Discharge	67%	3.4
C16	Statin Therapy for Patients with Cardiovascular Disease	84%	3.5
C17	Getting Needed Care	81	3.4
C18	Getting Appointments and Care Quickly	77	3.5
C19	Customer Service	90	3.4
C20	Rating of Health Care Quality	86	3.4
C21	Rating of Health Plan	87	3.2
C22	Care Coordination	86	3.5
C23	Complaints about the Health Plan	0.31	4.3
C24	Members Choosing to Leave the Plan	17%	3.5
C25	Health Plan Quality Improvement	Medicare only shows a Star Rating for this topic	2.6
C26	Plan Makes Timely Decisions about Appeals	95%	4.6
C27	Reviewing Appeals Decisions	95%	4.4
C28	Call Center – Foreign Language Interpreter and TTY Availability	90%	4.3

Table C-2: National Averages for Part D Measures

Measure ID	Measure Name	MA-PD Numeric Average	MA-PD Star Average	PDP Numeric Average	PDP Star Average
D01	Call Center – Foreign Language Interpreter and TTY Availability	90%	4.4	90%	4.1
D02	Complaints about the Drug Plan	0.31	4.3	0.08	4.4
D03	Members Choosing to Leave the Plan	17%	3.5	11%	4.0
D04	Drug Plan Quality Improvement	Medicare only shows a Star Rating for this topic	2.7	Medicare only shows a Star Rating for this topic	2.2
D05	Rating of Drug Plan	86	3.2	83	3.3
D06	Getting Needed Prescription Drugs	90	3.4	90	3.5
D07	MPF Price Accuracy	95	4.2	95	3.5
D08	Medication Adherence for Diabetes Medications	86%	3.0	86%	2.9
D09	Medication Adherence for Hypertension (RAS antagonists)	87%	3.4	89%	2.7
D10	Medication Adherence for Cholesterol (Statins)	86%	3.1	87%	3.1
D11	MTM Program Completion Rate for CMR	83%	3.9	54%	3.1
D12	Statin Use in Persons with Diabetes (SUPD)	85%	3.1	82%	2.9

Table D-1: Part C Measure Data Time Frames

Measure ID	Measure Name	Primary Data Source	Data Time Frame
C01	Breast Cancer Screening	HEDIS	01/01/2021 – 12/31/2021
C02	Colorectal Cancer Screening	HEDIS	01/01/2021 – 12/31/2021
C03	Annual Flu Vaccine	CAHPS	03/2022 – 06/2022
C04	Monitoring Physical Activity	HEDIS-HOS	07/19/2021 – 11/01/2021
C05	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	01/01/2021 – 12/31/2021
C06	Care for Older Adults – Medication Review	HEDIS	01/01/2021 – 12/31/2021
C07	Care for Older Adults – Pain Assessment	HEDIS	01/01/2021 – 12/31/2021
C08	Osteoporosis Management in Women who had a Fracture	HEDIS	01/01/2021 – 12/31/2021
C09	Diabetes Care – Eye Exam	HEDIS	01/01/2021 – 12/31/2021
C10	Diabetes Care – Kidney Disease Monitoring	HEDIS	01/01/2021 – 12/31/2021
C11	Diabetes Care – Blood Sugar Controlled	HEDIS	01/01/2021 – 12/31/2021
C12	Controlling Blood Pressure	HEDIS	01/01/2021 – 12/31/2021
C13	Reducing the Risk of Falling	HEDIS-HOS	07/19/2021 – 11/01/2021
C14	Improving Bladder Control	HEDIS-HOS	07/19/2021 – 11/01/2021
C15	Medication Reconciliation Post-Discharge	HEDIS	01/01/2021 – 12/31/2021
C16	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	01/01/2021 – 12/31/2021
C17	Getting Needed Care	CAHPS	03/2022 – 06/2022
C18	Getting Appointments and Care Quickly	CAHPS	03/2022 – 06/2022
C19	Customer Service	CAHPS	03/2022 – 06/2022
C20	Rating of Health Care Quality	CAHPS	03/2022 – 06/2022
C21	Rating of Health Plan	CAHPS	03/2022 – 06/2022
C22	Care Coordination	CAHPS	03/2022 – 06/2022
C23	Complaints about the Health Plan	Complaints Tracking Module (CTM)	01/01/2021 – 12/31/2021
C24	Members Choosing to Leave the Plan	MBDSS	01/01/2021 – 12/31/2021
C25	Health Plan Quality Improvement	Star Ratings	Not Applicable
C26	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE)	01/01/2021 – 12/31/2021
C27	Reviewing Appeals Decisions	Independent Review Entity (IRE)	01/01/2021 – 12/31/2021
C28	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2022 – 05/2022

Table D-2: Part D Measure Data Time Frames

Measure ID	Measure Name	Primary Data Source	Data Time Frame
D01	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2022 – 05/2022
D02	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	01/01/2021 – 12/31/2021
D03	Members Choosing to Leave the Plan	MBDSS	01/01/2021 – 12/31/2021
D04	Drug Plan Quality Improvement	Star Ratings	Not Applicable
D05	Rating of Drug Plan	CAHPS	03/2022 – 06/2022
D06	Getting Needed Prescription Drugs	CAHPS	03/2022 – 06/2022
D07	MPF Price Accuracy	PDE data, MPF Pricing Files	01/01/2021 – 09/30/2021
D08	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) data	01/01/2021 – 12/31/2021
D09	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) data	01/01/2021 – 12/31/2021
D10	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) data	01/01/2021 – 12/31/2021
D11	MTM Program Completion Rate for CMR	Part D Plan Reporting	01/01/2021 – 12/31/2021
D12	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) data	01/01/2021 – 12/31/2021

1. Medicare Part C Reporting Requirements Measure (C05: SNP Care Management)

- Step 1: Start with all contracts that offer at least one SNP plan that was active at any point during contract year 2021.
- Step 2: Exclude any PBP that is not required to report data for the contract year 2021 Part C SNP Care Reporting Requirements, based on terminations on or before the end of the contract year. This exclusion is consistent with the statement from page 6 of the CY 2021 Medicare Part C Plan Reporting Requirements Technical Specifications Document: “**Note:** Contracts and Plans terminating prior to July 1 of the following year and are identified in HPMS as a termed contract do not report Part C contract and PBP level data.”

This excludes:

- PBPs that terminate in transition from CY 2021 to CY 2022 according to the plan crosswalk
- Contracts that terminate on or before 07/01/2022 according to the Contract Info extract

We then also **exclude** those that are **not required to undergo data validation (DV)** for the contract year 2021 Part C SNP Care Reporting Requirements, based on terminations on or before the deadline for submission of DV results to CMS. This exclusion is consistent with the information found in the Medicare Part C and Part D Reporting Requirements Data Validation Procedure Manual.

This excludes: Contracts and PBP with an effective termination date that occurs between 1/1/2021 and 6/30/2022 according to the Contract Info extract.

- Step 3: After removing contract/PBP data excluded above, suppress contract rates based on the following rules:

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2021 SNP Care Reporting Requirements data are listed as “CMS identified issues with this plan’s data.”

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2021 SNP Care Reporting Requirements data but that failed at least one of the four data elements (elements A, B, C, and F) are listed as “CMS identified issues with this plan’s data.”

Small size: Contracts that have not yet been suppressed and have a SNP Care Assessment rate denominator [Number of New Enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual reassessment HRA (Element B)] of fewer than 30 are listed as “No Data Available.”

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

- Step 4: Calculate the rate for the remaining contract/PBPs using the formula:

$$\frac{[\text{Number of initial HRAs performed on new enrollees (Element C)} + \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}]}{[\text{Number of new enrollees due for an Initial HRA (Element A)} + \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}]}$$

2. NCQA HEDIS Measures - (C06 – C07: Care for Older Adults)

The example NCQA measure combining methodology specifications below are written for two Plan Benefit Package (PBP) submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

Rates are produced for any contract offering a SNP in the ratings year which provided SNP HEDIS data in the measurement year.

Definitions

Let N_1 = The Total Number of Members Eligible for the HEDIS measure in the first PBP ("fixed" and auditable)

Let N_2 = The Total Number of Members Eligible for the HEDIS measure in the second PBP ("fixed" and auditable)

Let P_1 = The estimated rate (mean) for the HEDIS measure in the first PBP (auditable)

Let P_2 = The estimated rate (mean) for the same HEDIS measure in the second PBP (auditable)

Setup Calculations

Based on the above definitions, there are two additional calculations:

Let W_1 = The weight assigned to the first PBP results (estimated, auditable). This is estimated from the formula $W_1 = N_1 / (N_1 + N_2)$

Let W_2 = The weight assigned to the second PBP results (estimated, auditable). This is estimated from the formula $W_2 = N_2 / (N_1 + N_2)$

Pooled Analysis

The pooled result from the two rates (means) is calculated as: $P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$

NOTES:

Weights are based on the eligible member population. While it may be more accurate to remove all excluded members before weighting, NCQA and CMS have chosen not to do this (to simplify the method) for two reasons: 1) the number of exclusions relative to the size of the population should be small, and 2) exclusion rates (as a percentage of the eligible population) should be similar for each PBP and negligibly affect the weights.

If one or more of the submissions has a status of NA, those submissions are dropped and not included in the weighted rate (mean) calculations. If one or more of the submissions has an audit designation of BR or NR (which has been determined to be biased or is not reported by choice of the contract), the rate is set to zero as detailed in the section titled "Handling of Biased, Erroneous and/or Not Reportable (NR) Data" and the average enrollment for the year is used for the eligible population in the PBP.

Numeric Example Using an Effectiveness of Care Rate	
# of Total Members Eligible for the HEDIS measure in PBP 1, $N_1 =$	1500
# of Total Members Eligible for the HEDIS measure in PBP 2, $N_2 =$	2500
HEDIS Result for PBP 1, Enter as a Proportion between 0 and 1, $P_1 =$	0.75
HEDIS Result for PBP 2, Enter as a Proportion between 0 and 1, $P_2 =$	0.5
Setup Calculations - Initialize Some Intermediate Results	
The weight for PBP 1 product estimated by $W_1 = N_1 / (N_1 + N_2)$	0.375
The weight for PBP 2 product estimated by $W_2 = N_2 / (N_1 + N_2)$	0.625
Pooled Results	
$P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$	0.59375

Table F-1: Part C Measure Weights

Measure ID	Measure Name	Weighting Category	Part C Summary and MA-PD Overall
C01	Breast Cancer Screening	Process Measure	1
C02	Colorectal Cancer Screening	Process Measure	1
C03	Annual Flu Vaccine	Process Measure	1
C04	Monitoring Physical Activity	Process Measure	1
C05	Special Needs Plan (SNP) Care Management	Process Measure	1
C06	Care for Older Adults – Medication Review	Process Measure	1
C07	Care for Older Adults – Pain Assessment	Process Measure	1
C08	Osteoporosis Management in Women who had a Fracture	Process Measure	1
C09	Diabetes Care – Eye Exam	Process Measure	1
C10	Diabetes Care – Kidney Disease Monitoring	Process Measure	1
C11	Diabetes Care – Blood Sugar Controlled	Intermediate Outcome Measure	3
C12	Controlling Blood Pressure	Intermediate Outcome Measure	1*
C13	Reducing the Risk of Falling	Process Measure	1
C14	Improving Bladder Control	Process Measure	1
C15	Medication Reconciliation Post-Discharge	Process Measure	1
C16	Statin Therapy for Patients with Cardiovascular Disease	Process Measure	1
C17	Getting Needed Care	Patients' Experience and Complaints Measure	4
C18	Getting Appointments and Care Quickly	Patients' Experience and Complaints Measure	4
C19	Customer Service	Patients' Experience and Complaints Measure	4
C20	Rating of Health Care Quality	Patients' Experience and Complaints Measure	4
C21	Rating of Health Plan	Patients' Experience and Complaints Measure	4
C22	Care Coordination	Patients' Experience and Complaints Measure	4
C23	Complaints about the Health Plan	Patients' Experience and Complaints Measure	4
C24	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
C25	Health Plan Quality Improvement	Improvement Measure	5
C26	Plan Makes Timely Decisions about Appeals	Measures Capturing Access	4
C27	Reviewing Appeals Decisions	Measures Capturing Access	4
C28	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4

*Controlling Blood Pressure has a weight of 1 for the 2023 Star Ratings because it is considered a new measure.

Table F-2: Part D Measure Weights

Measure ID	Measure Name	Weighting Category	Part D Summary and MA-PD Overall
D01	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	4
D02	Complaints about the Drug Plan	Patients' Experience and Complaints Measure	4
D03	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	4
D04	Drug Plan Quality Improvement	Improvement Measure	5
D05	Rating of Drug Plan	Patients' Experience and Complaints Measure	4
D06	Getting Needed Prescription Drugs	Patients' Experience and Complaints Measure	4
D07	MPF Price Accuracy	Process Measure	1
D08*	Medication Adherence for Diabetes Medications	Intermediate Outcome Measure	3
D09*	Medication Adherence for Hypertension (RAS antagonists)	Intermediate Outcome Measure	3
D10*	Medication Adherence for Cholesterol (Statins)	Intermediate Outcome Measure	3
D11	MTM Program Completion Rate for CMR	Process Measure	1
D12	Statin Use in Persons with Diabetes (SUPD)	Process Measure	1

*For contracts whose service area only covers Puerto Rico, the weight for each adherence measure is set to zero (0) when calculating the summary and overall rating.

Attachment G: Calculation of Weighted Star Rating and Variance Estimates

The weighted summary (or overall) Star Rating for contract j is estimated as:

$$\bar{x}_j = \frac{\sum_{i=1}^{n_j} w_{ij} x_{ij}}{\sum_{i=1}^{n_j} w_{ij}}$$

where n_j is the number of performance measures for which contract j is eligible; w_{ij} is the weight assigned to performance measure i for contract j ; and x_{ij} is the measure star for performance measure i for contract j . The variance of the Star Ratings for each contract j , s_j^2 , must also be computed in order to estimate the reward factor (r-Factor):

$$s_j^2 = \frac{n_j}{(n_j - 1)(\sum_{i=1}^{n_j} w_{ij})} \left[\sum_{i=1}^{n_j} w_{ij} (x_{ij} - \bar{x}_j)^2 \right]$$

Thus, the $\bar{x}_j$'s are the new summary (or overall) Star Ratings for the contracts. The variance estimate, s_j^2 , simply replaces the non-weighted variance estimate that was previously used for the r-Factor calculation. For all contracts j , $w_{ij} = w_i$ (i.e., the performance measure weights are the same for all contracts when estimating a given Star Rating (Part C or Part D summary or MA-PD overall ratings)).

Attachment H: Calculating the Improvement Measure and the Measures Used**Calculating the Improvement Measure**

Contracts must have data for at least half of the attainment measures used to calculate the Part C or Part D improvement measure to be eligible to receive a rating in that improvement measure.

The improvement change score was determined for each measure for which a contract was eligible by calculating the difference in measure scores between Star Rating years 2022 and 2023.

For measures where a higher score is better:

$$\text{Improvement Change Score} = \text{Score in 2023} - \text{Score in 2022}$$

For measures where a lower score is better:

$$\text{Improvement Change Score} = \text{Score in 2022} - \text{Score in 2023}$$

An eligible measure was defined as a measure for which a contract was scored in both the 2022 and 2023 Star Ratings, and there were no significant measure specification changes or a regional contract reconfiguration for which only contract data is available from the original contract in one or both years.

For each measure, significant improvement or decline between Star Ratings years 2022 and 2023 was determined by a two-sided t-test at the 0.05 significance level:

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} > 1.96, \text{ then YES} = \text{significant improvement}$$

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} < -1.96, \text{ then YES} = \text{significant decline}$$

Hold Harmless Provision for Individual Measures: If a contract demonstrated statistically significant decline (at the 0.05 significance level) on an attainment measure for which they received five stars during both the current contract year and the prior contract year, then this measure will be counted as showing no significant change. Measures that are held harmless as described here will be considered eligible for the improvement measure.

Net improvement is calculated for each class of measures (e.g., outcome, access, and process) by subtracting the number of significantly declined measures from the number of significantly improved measures.

Net Improvement = Number of significantly improved measures - Number of significantly declined measures

The improvement measure score is calculated for Parts C and D separately by taking a weighted sum of net improvement divided by the weighted sum of the number of eligible measures.

Measures are generally weighted as follows:

Outcome or intermediate outcome measure: Weight of 3

Access or patient experience/complaints measure: Weight of 4

Process measure: Weight of 1

Specific weights for each measure, which may deviate from the general scheme above are described in [Attachment F](#). When the weight of an individual measure changes over the two years of data used, the newer weight value is used in the improvement calculation.

$$\text{Improvement Measure Score} = \frac{\text{Net\_Imp\_Process} + 3 * \text{Net\_Imp\_Outcome} + 4 * \text{Net\_Imp\_PtExp}}{\text{Elig\_Process} + 3 * \text{Elig\_Outcome} + 4 * \text{Elig\_PtExp}}$$

Net_Imp_Process = Net improvement for process measures

Net_Imp_Outcome = Net improvement for outcome and intermediate outcome measures

Net_Imp_PtExp = Net improvement for patient experience/complaints and access measures

Elig_Process = Number of eligible process measures

Elig_Outcome = Number of eligible outcome and intermediate outcome measures

Elig_PtExp = Number of eligible patient experience/complaints and access measures

The improvement measure score is converted into a Star Rating using the clustering method. Conceptually, the clustering algorithm identifies the “gaps” in the data and creates cut points that result in the creation of five categories (one for each Star Rating) such that scores of contracts in the same score category (Star Rating) are as similar as possible, and scores of contracts in different categories are as different as possible. Improvement scores of 0 (equivalent to no net change on the attainment measures included in the improvement measure calculation) will be centered at 3 stars when assigning the improvement measure Star Rating. Then, the remaining contracts are split into two groups and clustered: 1) improvement scores less than zero receive one or two stars on the improvement measure and 2) improvement scores greater than or equal to zero receive 3, 4, or 5 stars.

General Standard Error Formula

Because a contract’s score on a given measure in one year is not independent of its score in the next year, the standard error for the improvement change score for each measure is calculated using the standard approach for estimating the variance of the difference between two variables that may not be independent. In particular, the standard error of the improvement change score is calculated using the formula:

$$\sqrt{se(Y_{i2})^2 + se(Y_{i1})^2 - 2 * Cov(Y_{i2}, Y_{i1})}$$

Using measure C01 as an example, the change score standard error is:

$se(Y_{i2})$ Represents the 2023 standard error for contract i on measure C01

$se(Y_{i1})$ Represents the 2022 standard error for contract i on measure C01

Y_{i2} Represents the 2023 rate for contract i on measure C01

Y_{i1} Represents the 2022 rate for contract i on measure C01

cov Represents the covariance between Y_{i2} and Y_{i1} computed using the correlation across all contracts observed at both time points (2023 and 2022). In other words:

$$cov(Y_{i2}, Y_{i1}) = se(Y_{i2}) * se(Y_{i1}) * Corr(Y_{i2}, Y_{i1})$$

where the correlation $Corr(Y_{i2}, Y_{i1})$ is assumed to be the same for all contracts and is computed using data for all contracts. This assumption is needed because only one score is observed for each contract in each year; therefore, it is not possible to compute a contract specific correlation.

Improvement Change Score Standard Error Numerical Example

For measure C03, contract A:

$$se(Y_{i2}) = 2.805$$

$$se(Y_{i1}) = 3.000$$

$$Corr(Y_{i2}, Y_{i1}) = 0.901$$

Improvement change score standard error for measure C03 for contract A = $\sqrt{(2.805^2 + 3.000^2 - 2 * 0.901 * 2.805 * 3.000)} = 1.305$

The following formulas are used for calculating the contract-specific standard errors for specific measures in the 2023 Star Ratings. These standard errors are used in calculating the improvement change score standard error.

1. SEF for Measures: C01, C02, C04, C05, C08 – C11, C13 – C16, C24, C26 – C28, D01, D03, D08 – D12

$$SE_y = \sqrt{\frac{\text{Score}_y * (100 - \text{Score}_y)}{\text{Denominator}_y}}$$

for y = 2022, 2023

Denominator_y is as defined in the Measure Details section for each measure.

2. SEF for Measures: C06, C07

These measures are rolled up from the plan level to the contract level following the formula outlined in [Attachment E: NCQA HEDIS Measures](#). The standard error at the contract level is calculated as shown below. The specifications are written for two PBP submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

The plan level standard error is calculated as:

$$SE_{yj} = \sqrt{\frac{\text{Score}_{yj} * (100 - \text{Score}_{yj})}{\text{Denominator}_{yj}}}$$

for y = 2022, 2023 and j = Plan 1, Plan 2

The contract level standard error is then calculated as:

Let W_{y1} = The weight assigned to the first PBP results (estimated, auditable) for year y, where y = 2022, 2023. This result is estimated by the formula $W_{y1} = N_{y1} / (N_{y1} + N_{y2})$

Let W_{y2} = The weight assigned to the second PBP results (estimated, auditable) for year y, where y = 2022, 2023. This result is estimated by the formula

$$W_{y2} = N_{y2} / (N_{y1} + N_{y2})$$

$$SE_{yi} = \sqrt{(W_{y1})^2 * (SE_{y1})^2 + (W_{y2})^2 * (SE_{y2})^2}$$

for y = Contract Year 2022, Contract Year 2023 and i = Contract i

3. SEF for Measures: C03, C17 – C22, and D05, D06

The CAHPS measure standard errors for 2022 and 2023 were provided to CMS by the CAHPS contractor following the formulas documented in the [CAHPS Macro Manual](#). The actual values used for each contract are included on the Measure Detail CAHPS page in the HPMS preview area.

4. SEF for Measures C23, D02

$$SE_y = \sqrt{\frac{\text{Total Number of Complaints}_y}{(\text{Average Contract Enrollment}_y)^2} * \frac{1000 * 30}{\text{NumDays}}}$$

NumDays: 2022 = 365, 2023 = 365

The standard error of the MPF Composite Price Accuracy Score for each contract is calculated using a bootstrap approach, following the steps outlined below:

1. From the set of PDEs used in calculating the MPF Composite Price Accuracy score for the contract, take 1,000 random samples of size n with replacement, where n is the number of PDEs that went into the MPF score calculation for the contract.
2. For each of the 1,000 random samples from Step 1, calculate the unrounded MPF Composite Price Accuracy score using the n PDEs in the sample. Let y_i be the i th MPF score, where $i=1, \dots, 1000$.
3. Calculate the standard error of the MPF Composite Price Accuracy Score as s , the standard deviation of the unrounded MPF Composite Price Accuracy score for the contract using the 1,000 MPF scores $y_1, y_2, \dots, y_{1000}$ computed in Step 2 using the following formula, where $\bar{y}$ is the mean of $y_1, y_2, \dots, y_{1000}$:

$$s = \sqrt{\frac{\sum_{i=1}^{1000} (y_i - \bar{y})^2}{999}}$$

Star Ratings Measures Used in the Improvement Measures

Table H-1: Part C Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
C01	Breast Cancer Screening	Included	0.929051
C02	Colorectal Cancer Screening	Included	0.889957
C03	Annual Flu Vaccine	Included	0.900371
C04	Monitoring Physical Activity	Included	0.870336
C05	Special Needs Plan (SNP) Care Management	Included	0.877704
C06	Care for Older Adults – Medication Review	Included	0.806582
C07	Care for Older Adults – Pain Assessment	Included	0.593374
C08	Osteoporosis Management in Women who had a Fracture	Included	0.871296
C09	Diabetes Care – Eye Exam	Included	0.842275
C10	Diabetes Care – Kidney Disease Monitoring	Included	0.800000
C11	Diabetes Care – Blood Sugar Controlled	Included	0.879453
C12	Controlling Blood Pressure	Not Included	-
C13	Reducing the Risk of Falling	Included	0.880108
C14	Improving Bladder Control	Included	0.661257
C15	Medication Reconciliation Post-Discharge	Included	0.863865
C16	Statin Therapy for Patients with Cardiovascular Disease	Included	0.718938
C17	Getting Needed Care	Included	0.789093
C18	Getting Appointments and Care Quickly	Included	0.851148
C19	Customer Service	Included	0.704632
C20	Rating of Health Care Quality	Included	0.736625
C21	Rating of Health Plan	Included	0.832466

Measure ID	Measure Name	Measure Usage	Correlation
C22	Care Coordination	Included	0.720071
C23	Complaints about the Health Plan	Included	0.908641
C24	Members Choosing to Leave the Plan	Included	0.876567
C25	Health Plan Quality Improvement	Not Included	-
C26	Plan Makes Timely Decisions about Appeals	Included	0.698541
C27	Reviewing Appeals Decisions	Included	0.612420
C28	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.247614

Table H-2: Part D Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
D01	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.378928
D02	Complaints about the Drug Plan	Included	0.908820
D03	Members Choosing to Leave the Plan	Included	0.875496
D04	Drug Plan Quality Improvement	Not Included	-
D05	Rating of Drug Plan	Included	0.852082
D06	Getting Needed Prescription Drugs	Included	0.703528
D07	MPF Price Accuracy	Included	0.622922
D08	Medication Adherence for Diabetes Medications	Included	0.709996
D09	Medication Adherence for Hypertension (RAS antagonists)	Included	0.836304
D10	Medication Adherence for Cholesterol (Statins)	Included	0.833282
D11	MTM Program Completion Rate for CMR	Included	0.820363
D12	Statin Use in Persons with Diabetes (SUPD)	Included	0.836582

Attachment I: Star Ratings Measure History

The tables below cross-reference the measures code in each of the yearly Star Ratings releases. Measure codes that begin with DM are display measures which are posted on CMS.gov on this page: <http://go.cms.gov/partcanddstarratings>.

Table I-1: Part C Measure History

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
C	Access to Primary Care Doctor Visits	HEDIS	DMC0 8	DMC0 9	DMC0 9	DMC0 9	DMC0 9	DMC1 0	DMC1 0	DMC1 1	DMC1 0	DMC12	DMC12	C11	C13	C12	
C	Adult BMI Assessment	HEDIS			C07	C07	C07	C07	C07	C07	C08	C10	C10	C12	DMC05		
C	Annual Flu Vaccine	CAHPS		C03	C03	C03	C03	C03	C03	C03	C04	C06	C06	C06	C07	C06	
C	Antidepressant Medication Management (6 months)	HEDIS	DMC0 2	DMC0 2	DMC0 2	DMC0 2	DMC0 2	DMC0 2	DMC0 2	DMC0 3	DMC0 3	DMC03	DMC03	DMC03	DMC03	DMC04	
C	Appropriate Monitoring of Patients Taking Long-term Medications	HEDIS					DMC0 4	DMC0 4	DMC0 4	DMC0 5	DMC0 5	DMC05	DMC05	DMC05	C06	C05	
C	Asthma Medication Ratio	HEDIS						DMC1 8	DMC2 7								
C	Beneficiary Access and Performance Problems	Administrative Data	DME0 7	DME0 7	DME0 7	DME0 7	DME0 7	C30	C28	C28	DME0 8	C31	C31	C32	C33	C30	
C	Breast Cancer Screening	HEDIS	C01	C01	C01	C01	C01	C01	C01	C01	DMC2 2	C01	C01	C01	C01	C01	
C	Call Answer Timeliness	HEDIS								DMC0 2	DMC0 2	DMC02	DMC02	DMC02	DMC02	DMC01	
C	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMC0 6	DMC0 7	DMC0 7	DMC0 7	DMC0 7	DMC0 8	DMC0 8	DMC0 9		DMC09	DMC09	DMC09	C34	C31	
C	Call Center - Calls Disconnected When Customer Calls Health Plan	Call Center Monitoring	DMC0 9	DMC1 0	DMC1 0	DMC1 0	DMC1 0	DMC1 1	DMC1 1	DMC1 2		DMC15	DMC15				
C	Call Center – CSR Understandability	Call Center Monitoring														DMC02	
C	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	C28	C28	C32	C33	C34	C34	C32	C32		C36	C36	C36	C36	C33	
C	Call Center – Information Accuracy	Call Center Monitoring										DMC10	DMC10	DMC10	C35	C32	
C	Cardiac Rehabilitation	HEDIS	DMC2 7														
C	Cardiovascular Care – Cholesterol Screening	HEDIS															A
C	Care Coordination	CAHPS	C22	C22	C26	C27	C28	C27	C25	C25	C28	C29	C29				

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
C	Care for Older Adults – Functional Status Assessment	HEDIS			C10	C10	C10	C10	C10	C10	C11	C12	C12	C14			
C	Care for Older Adults – Medication Review	HEDIS	C06	C06	C09	C09	C09	C09	C09	C09	C10	C11	C11	C13			
C	Care for Older Adults – Pain Assessment	HEDIS	C07	C07	C11	C11	C11	C11	C11	C11	C12	C13	C13	C15			
C	Cholesterol Screening	HEDIS														C03	B
C	Colorectal Cancer Screening	HEDIS	C02	C02	C02	C02	C02	C02	C02	C02	C01	C02	C02	C02	C02	C02	
C	Complaints about the Health Plan	CTM	C23/D02	C23/D02	C27/D04	C28/D04	C29/D04	C28/D04	C26/D04	C26/D04	C29/D03	C30/D04	C30/D06	C31/D06	C30	C26	
C	Computer use by provider helpful	CAHPS							DMC20	DMC21	DMC20						
C	Computer use made talking to provider easier	CAHPS							DMC21	DMC22	DMC21						
C	Computer used during office visits	CAHPS							DMC19	DMC20	DMC19						
C	Continuous Beta Blocker Treatment	HEDIS	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC04	DMC04	DMC04	DMC04	DMC04	DMC04	DMC05	
C	Controlling Blood Pressure	HEDIS	C12	DMC16	DMC17	DMC17	C16	C16	C16	C16	C18	C19	C19	C21	C19	C15	
C	Customer Service	CAHPS	C19	C19	C23	C24	C25	C24	C22	C22	C25	C26	C26	C28	C27	C23	
C	Diabetes Care	HEDIS														C14	C
C	Diabetes Care – Blood Sugar Controlled	HEDIS	C11	C11	C15	C15	C15	C15	C15	C15	C16	C17	C17	C19	C17		D
C	Diabetes Care – Cholesterol Controlled	HEDIS									C17	C18	C18	C20	C18		D
C	Diabetes Care – Cholesterol Screening	HEDIS									C03	C04	C04	C04	C04		A
C	Diabetes Care – Eye Exam	HEDIS	C09	C09	C13	C13	C13	C13	C13	C13	C14	C15	C15	C17	C15		D
C	Diabetes Care – Kidney Disease Monitoring	HEDIS	C10	C10	C14	C14	C14	C14	C14	C14	C15	C16	C16	C18	C16		D
C	Doctors who Communicate Well	CAHPS	DMC05	DMC06	DMC06	DMC06	DMC06	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC08	C25	C21	
C	Engagement of Alcohol or other Drug Treatment	HEDIS	DMC13	DMC14	DMC14	DMC14	DMC14	DMC15	DMC15	DMC16	DMC15	DMC19					
C	Enrollment Timeliness	MARx						DME01	DME01	DME01	DME01	DME01	C37/D05	D05	DMD03	DMD03	
C	Follow-up after Emergency Department Visit for Patients with Multiple Chronic Conditions	HEDIS	DMC15	DMC17	DMC17	DMC18											

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
C	Follow-up visit after Hospital Stay for Mental Illness (within 30 days of Discharge)	HEDIS	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC0 1	DMC01	DMC01	DMC01	DMC03	
C	Getting Appointments and Care Quickly	CAHPS	C18	C18	C22	C23	C24	C23	C21	C21	C24	C25	C25	C27	C26	C22	
C	Getting Needed Care	CAHPS	C17	C17	C21	C22	C23	C22	C20	C20	C23	C24	C24	C26	C24	C20	
C	Glaucoma Testing	HEDIS										C05	C05	C05	C05	C04	
C	Grievance Rate	Part C & D Plan Reporting	DME0 1	DME0 1	DME0 1	DME0 1	DME0 1	DME0 2	DME0 2	DME0 2	DME0 2	DME0 2	DMC13 / DMD11				
C	Health Plan Quality Improvement	Star Ratings	C25	C25	C29	C30	C31	C31	C29	C29	C31	C33	C33				
C	Hospitalizations for Potentially Preventable Complications	HEDIS	DMC1 4	DMC1 5	DMC1 5	DMC1 5	DMC1 5	DMC1 6	DMC2 4								
C	Improving Bladder Control	HEDIS-HOS	C14	C14	C18	C18	C19	C19	DMC2 2	DMC2 3	C20	C21	C21	C23	C22	C18	
C	Improving or Maintaining Mental Health	HOS	DMC2 5	DMC2 7	C05	C05	C05	C05	C05	C05	C06	C08	C08	C09	C10	C09	
C	Improving or Maintaining Physical Health	HOS	DMC2 6	DMC2 8	C04	C04	C04	C04	C04	C04	C05	C07	C07	C08	C09	C08	
C	Initiation of Alcohol or other Drug Treatment	HEDIS	DMC1 2	DMC1 3	DMC1 3	DMC1 3	DMC1 3	DMC1 4	DMC1 4	DMC1 5	DMC1 4	DMC18					
C	Medication Management for People With Asthma	HEDIS							DMC2 6								
C	Medication Reconciliation Post-Discharge	HEDIS	C15	C15	C19	C19	C20	C20	DMC2 3								
C	Members Choosing to Leave the Plan	MBDSS	C24/D 03	C24/D 03	C28/ D05	C29/ D05	C30/ D05	C29/ D05	C27/ D05	C27/ D05	C30/ D04	C32/ D06	C32/ D08	C33/ D08	DME01	C29/ D10	
C	Monitoring Physical Activity	HEDIS-HOS	C04	C04	C06	C06	C06	C06	C06	C06	C07	C09	C09	C10	C12	C11	
C	Osteoporosis Management in Women who had a Fracture	HEDIS	C08	C08	C12	C12	C12	C12	C12	C12	C13	C14	C14	C16	C14	C13	
C	Osteoporosis Testing	HEDIS-HOS		DMC0 4	DMC0 4	DMC0 4	DMC0 4	DMC0 5	DMC0 5	DMC0 6	DMC0 6	DMC06	DMC06	DMC06	C11	C10	
C	Pharmacotherapy Management of COPD Exacerbation – Bronchodilator	HEDIS	DMC1 1	DMC1 2	DMC1 2	DMC1 2	DMC1 2	DMC1 3	DMC1 3	DMC1 4	DMC1 3	DMC17					
C	Pharmacotherapy Management of COPD Exacerbation – Systemic Corticosteroid	HEDIS	DMC1 0	DMC1 1	DMC1 1	DMC1 1	DMC1 1	DMC1 2	DMC1 2	DMC1 3	DMC1 2	DMC16					

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
C	Plan All-Cause Readmissions	HEDIS	DMC2 1	DMC2 3	DMC2 3	C20	C21	C21	C19	C19	C22	C23	C23	C25			
C	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE) / Maximus	C26	C26	C30	C31	C32	C32	C30	C30	C32	C34	C34	C34	C31	C27	
C	Pneumonia Vaccine	CAHPS	DMC0 7	DMC0 8	DMC0 8	DMC0 8	DMC0 8	DMC0 9	DMC0 9	DMC1 0	DMC0 9	DMC11	DMC11	C07	C08	C07	
C	Rating of Health Care Quality	CAHPS	C20	C20	C24	C25	C26	C25	C23	C23	C26	C27	C27	C29	C28	C24	
C	Rating of Health Plan	CAHPS	C21	C21	C25	C26	C27	C26	C24	C24	C27	C28	C28	C30	C29	C25	
C	Reducing the Risk of Falling	HEDIS-HOS	C13	C13	C17	C17	C18	C18	C18	C18	C21	C22	C22	C24	C23	C19	
C	Reminders for appointments	CAHPS							DMC1 6	DMC1 7	DMC1 6						
C	Reminders for immunizations	CAHPS							DMC1 7	DMC1 8	DMC1 7						
C	Reminders for screening tests	CAHPS							DMC1 8	DMC1 9	DMC1 8						
C	Reviewing Appeals Decisions	Independent Review Entity (IRE) / Maximus	C27	C27	C31	C32	C33	C33	C31	C31	C33	C35	C35	C35	C32	C28	
C	Rheumatoid Arthritis Management	HEDIS		C12	C16	C16	C17	C17	C17	C17	C19	C20	C20	C22	C20	C16	
C	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	C05	C05	C08	C08	C08	C08	C08	C08	C09	DMC14	DMC14				
C	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	C16	C16	C20	C21	C22	DMC1 7	DMC2 5								
C	Testing to Confirm Chronic Obstructive Pulmonary Disease	HEDIS	DMC0 4	DMC0 5	DMC0 5	DMC0 5	DMC0 5	DMC0 6	DMC0 6	DMC0 7	DMC0 7	DMC07	DMC07	DMC07	C21	C17	
C	Transitions of Care – Average	HEDIS	DMC2 0	DMC2 2	DMC2 2	DMC2 3											
C	Transitions of Care – Medication Reconciliation Post-Discharge	HEDIS	DMC1 6	DMC1 8	DMC1 8	DMC1 9											
C	Transitions of Care – Notification of Inpatient Admission	HEDIS	DMC1 7	DMC1 9	DMC1 9	DMC2 0											
C	Transitions of Care – Patient Engagement After Inpatient Discharge	HEDIS	DMC1 8	DMC2 0	DMC2 0	DMC2 1											

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
C	Transitions of Care – Receipt of Discharge Information	HEDIS	DMC1 9	DMC2 1	DMC2 1	DMC2 2											

Notes:

- A: Part of composite measure Cholesterol Screening in 2010
 B: Composite Measure - combined Cardiovascular Care – Cholesterol Screening and Diabetes Care – Cholesterol Screening measures
 C: Composite Measure - combined Diabetes Care – Blood Sugar Controlled, Diabetes Care – Cholesterol Controlled, Diabetes Care – Eye Exam, and Diabetes Care – Kidney Disease Monitoring measures
 D: Part of composite measure Diabetes Care in 2010

Table I-2: Part D Measure History

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
D	4Rx Timeliness	Acumen / OIS (4Rx)												DMD03	D07	D07	
D	Adherence – Proportion of Days Covered	Prescription Drug Event (PDE) Data													DMD07		
D	Antipsychotic Use in Persons with Dementia	Prescription Drug Event (PDE) Data	DMD08	DMD08	DMD12	DMD14	DMD16	DMD18									
D	Appeals Auto-Forward	Independent Review Entity (IRE) / Maximus			D02	D02	D02	D02	D02	D02	D01	D02	D03	D03	D05	D05	
D	Appeals Upheld	Independent Review Entity (IRE) / Maximus			D03	D03	D03	D03	D03	D03	D02	D03	D04	D04	D06	D06	
D	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	D06	D06	D06	DME08	D05	D07	D07	D10	D11	
D	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMD02	DMD02	DMD04	DMD04	DMD04	DMD04	DMD04	DMD04		DMD04	DMD04	DMD05	D01	D01	
D	Call Center – Calls Disconnected - Pharmacist	Call Center Monitoring														DMD05	
D	Call Center – Calls Disconnected When Customer Calls Drug Plan	Call Center Monitoring	DMD01	DMD01	DMD03	DMD03	DMD03	DMD03	DMD03	DMD03		DMD03	DMD03	DMD04	DMD04	DMD04	
D	Call Center – CSR Understandability	Call Center Monitoring														DMD06	
D	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	D01	D01	D01	D01	D01	D01	D01	D01		D01	D02	D02	D04	D04	
D	Call Center – Information Accuracy	Call Center Monitoring										DMD05	DMD05	DMD06	D03	D03	
D	Call Center – Pharmacy Hold Time	Call Center Monitoring	DMD04	DMD04	DMD08	DMD09	DMD09	DMD09	DMD11	DMD11		DMD15	D01	D01	D02	D02	
D	Complaint Resolution	Complaints Tracking Module (CTM)														DMD07	
D	Complaints – Enrollment	Complaints Tracking Module (CTM)													D08	D08	
D	Complaints – Other	Complaints Tracking Module (CTM)													D09	D09	

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
D	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	C25/ D02	C25/ D02	C27 / D04	C28 / D04	C29 / D04	C28 / D04	C26 / D04	C26 / D04	C29 / D03	C30 / D04	C30 / D06	C31 / D06			
D	Diabetes Medication Dosing	Prescription Drug Event (PDE) Data														DMD09	
D	Diabetes Treatment	Prescription Drug Event (PDE) Data									D10	D12	D15	D14	D17	D19	
D	Drug Plan Provides Current Information on Costs and Coverage for Medicare's Website	Acumen / OIT (LIS Match Rates)			DMD06	DMD06	DMD07	DMD07	DMD07	DMD07	DMD05	DMD08	DMD08	DMD09	D14	D15	
D	Drug Plan Quality Improvement	Star Ratings	D04	D04	D06	D06	D06	D07	D07	D07	D05	D07	D09				
D	Drug-Drug Interactions	Prescription Drug Event (PDE) Data			DMD05	DMD05	DMD05	DMD05	DMD05	DMD05	DMD03	DMD06	DMD06	DMD07	DMD05	DMD08	
D	Enrollment Timeliness	MARx						DME01	DME01	DME01	DME01	DME01	C37 / D05	D05	DMD03	DMD03	
D	Formulary Administration Analysis	Part D Sponsor					DMD15	DMD17									
D	Getting Information From Drug Plan	CAHPS							DMD10	DMD10	DMD09	DMD14	D10	D09	D11	D12	
D	Getting Needed Prescription Drugs	CAHPS	D06	D06	D08	D08	D08	D09	D09	D09	D07	D09	D12	D11	D13	D14	
D	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DME02	DME02	DME02			
D	High Risk Medication	Prescription Drug Event (PDE) Data				DMD14	DMD14	DMD16	D11	D11	D09	D11	D14	D13	D16	D18	
D	Initial Opioid Prescribing	Prescription Drug Event (PDE) Data	DMD15														
D	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) Data	D10	D10	D12	D12	D12	D13	D14	D14	D13	D15	D18	D17			
D	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) Data	D08	D08	D10	D10	D10	D11	D12	D12	D11	D13	D16	D15			
D	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) Data	D09	D09	D11	D11	D11	D12	D13	D13	D12	D14	D17	D16			
D	Members Choosing to Leave the Plan	MBDSS	C27/ D03	C27/ D03	C29 / D05	C30 / D05	C30 / D05	C29 / D05	C27 / D05	C27 / D05	C30 / D04	C32 / D06	C32 / D08	C33 / D08	DME01	C29 / D10	
D	MPF – Composite	PDE Data, MPF Pricing Files												D12	D15		B
D	MPF – Stability	PDE Data, MPF Pricing Files	DMD03	DMD03	DMD07	DMD08	DMD08	DMD08	DMD08	DMD08	DMD06	DMD10	DMD10			D16	A

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
D	MPF – Updates	PDE Data, MPF Pricing Files										DMD09	DMD09	DMD10	DMD08	DMD10	
D	MPF Price Accuracy	PDE Data, MPF Pricing Files	D07	D07	D09	D09	D09	D10	D10	D10	D08	D10	D13			D17	A
D	MTM Program Completion Rate for CMR	Prescription Drug Event (PDE) Data	D11	D11	D13	D13	D13	D14	D15	D15	DMD07	DMD12	DMD12				
D	Plan Submitted Higher Prices for Display on MPF	PDE Data, MPF Pricing Files	DMD05	DMD05	DMD09	DMD10	DMD10	DMD10	DMD12	DMD12	DMD10	DMD16					
D	Polypharmacy: Use of Multiple Anticholinergic Medications in Older Adults (Poly-ACH)	Prescription Drug Event (PDE) Data	DMD13	DMD13	DMD20												
D	Polypharmacy: Use of Multiple CNS-Active Medications in Older Adults (Poly-CNS)	Prescription Drug Event (PDE) Data	DMD14	DMD14	DMD21												
D	Rate of Chronic Use of Atypical Antipsychotics by Elderly Beneficiaries in Nursing Homes	Fu Associates							DMD09	DMD09	DMD08	DMD13	DMD13				
D	Rating of Drug Plan	CAHPS	D05	D05	D07	D07	D07	D08	D08	D08	D06	D08	D11	D10	D12	D13	
D	Reminders to fill prescriptions	CAHPS	DMD06	DMD06	DMD10	DMD11	DMD12	DMD13	DMD15	DMD15	DMD13						
D	Reminders to take medications	CAHPS	DMD07	DMD07	DMD11	DMD12	DMD13	DMD14	DMD16	DMD16	DMD14						
D	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) Data	D12	D12	D14	D14	D14	DMD15	DMD17								
D	Timely Effectuation of Appeals	Independent Review Entity (IRE) / Maximus			DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	
D	Timely Receipt of Case Files for Appeals	Independent Review Entity (IRE) / Maximus			DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	
D	Transition monitoring	Transition Monitoring Program Analysis					DMD11										D
D	Transition monitoring – failure rate for all other drugs	Transition Monitoring Program Analysis						DMD12	DMD14	DMD14	DMD12						C
D	Transition monitoring – failure rate for drugs within classes of clinical concern	Transition Monitoring Program Analysis						DMD11	DMD13	DMD13	DMD11						C
D	Use of Opioids at High Dosage and from Multiple Providers in Persons Without Cancer (OHDMP)	Prescription Drug Event (PDE) Data			DMD15												

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	Notes
D	Use of Opioids at High Dosage in Persons Without Cancer (OHD)	Prescription Drug Event (PDE) Data		DMD11	DMD18												
D	Use of Opioids from Multiple Providers in Persons Without Cancer (OMP)	Prescription Drug Event (PDE) Data		DMD12	DMD19												

Notes:

- A: Part of composite measure MPF - Composite in 2011 – 2012
 B: Composite measure - combined MPF - Accuracy and MPF Stability
 C: Part of composite measure Transition Monitoring - Composite starting in 2019
 D: Composite Measure – “Transition monitoring - failure rate for drugs within classes of clinical concern” and “Transition monitoring - failure rate for all other drugs”

Table I-3: Common Part C & Part D Measure History

Part	Measure Name	Data Source	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
E	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	DME07	C30 / D06	C28 / D06	C28 / D06	DME08	C31 / D05	C31 / D07	C32 / D07	C33 / D10
E	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)	Disenrollment Reasons Survey	DME04	DME04	DME04	DME04	DME04	DME05	DME05	DME05	DME05				
E	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)	Disenrollment Reasons Survey	DME06	DME06	DME06	DME06	DME06	DME07	DME07	DME07	DME07				
E	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME02	DME02	DME02	DME02	DME02	DME03	DME03	DME03	DME03				
E	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME03	DME03	DME03	DME03	DME03	DME04	DME04	DME04	DME04				
E	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)	Disenrollment Reasons Survey	DME05	DME05	DME05	DME05	DME05	DME06	DME06	DME06	DME06				
E	Enrollment Timeliness	MARx						DME01	DME01	DME01	DME01	DME01	C37 / D05	D05	DMD03
E	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DME02	DME02	DME02	DME02

This attachment provides detailed information about the clustering and the relative distribution and significance testing (CAHPS) methodologies used to assign stars to individual measures.

Clustering Methodology Introduction

To separate a distribution of scores into distinct groups or categories, a set of values must be identified to separate one group from another group. The set of values that break the distribution of the scores into non-overlapping groups is the set of cut points.

For each individual measure, CMS determines the measure cut points using the information provided from the hierarchical clustering algorithm in SAS, described in “Clustering Methodology Detail” below. Conceptually, the clustering algorithm identifies the natural gaps that exist within the distribution of the scores and creates groups (clusters) that are then used to identify the cut points that result in the creation of a pre-specified number of categories.

For Star Ratings, the algorithm is run with the goal of determining the four cut points (labeled in the Figure J-1 below as A, B, C, and D) that are used to create the five non-overlapping groups that correspond to each of the Star Ratings (labeled in the diagram below as G1, G2, G3, G4, and G5). For Part D measures, CMS determines MA-PD and PDP cut points separately. Data identified to be biased, erroneous, or excluded by disaster rules are removed from the algorithm. The scores are grouped such that scores within the same Star Rating category are as similar as possible, and scores in different categories are as different as possible.

Figure J-1: Diagram showing gaps in data where cut points are assigned



As mentioned, the cut points are used to create five non-overlapping groups. The value of the lower bound for each group is included in the category, while the value of the upper bound is not included in the category. CMS does not require the same number of observations (contracts) within each group. The groups are identified such that within a group the measure scores must be similar to each other and between groups, the measure scores in one group are not similar to measure scores in another group. The groups are then used for the conversion of the measure scores to one of five Star Ratings categories. For most measures, a higher score is better, and thus, the group with the highest range of measure scores is converted to a rating of five stars. An example of a measure for which higher is better is *Medication Adherence for Diabetes Medications*. For some measures a lower score is better, and thus, the group with the lowest range of measure scores is converted to a rating of five stars. An example of a measure for which a lower score is better is *Members Choosing to Leave the Plan*.

Example 1 – Clustering Methodology for a Higher is Better measure

Consider the information provided for the cut points for *Medication Adherence for Diabetes Medications* in Table J-1 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately (e.g., different cut points are calculated for MA-PD and PDPs). If the MA-PD cut points identified using the clustering algorithm are 80%, 85%, 87%, and 91%; for PDPs, the cut points are 84%, 86%, 88%, and 90%. (The set of values corresponds to the cut points in the diagram below as A, B, C, and D and the categories for each of the five Star Ratings are indicated above each group.) Since a measure score can only assume a value between 0% and 100% (including 0% and 100%), the one-star and five-star categories contain only a single value in the table below as the upper or lower bound.

Table J-1: Medication Adherence for Diabetes Medications cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %



Since higher is better for *Medication Adherence for Diabetes Medications*, a rating of one star is assigned to all MA-PD measure scores below 80% in this example. For each of the other Star Rating categories, the value of the lower bound is included in the rating category, while the upper bound value is not included. Focusing solely on the cut points for MA-PDs, a rating of two stars is assigned to each measure score that is at least 80% (the first cut point) to less than 85% (the second cut point) in this example. Since measure scores are reported as percentages with no decimal places, any measure score of 80% to 84% would be assigned two stars, while a measure score of 85% would be assigned a rating of three stars. Measure scores that are at least 85% to less than 87% would be assigned a rating of three stars. For a conversion to four stars, a measure score of at least 87% to less than 91% would be needed. A rating of five stars would be assigned to any measure score of 91% or more. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Example 2 – Clustering Methodology for a Lower is Better measure

Consider the information provided for the cut points for *Members Choosing to Leave the Plan* in Table J-2 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately. In the example, the MA-PD cut points for *Members Choosing to Leave the Plan* determined using the clustering algorithm are 44%, 29%, 16%, and 9%; for PDPs, the cut points are 20%, 13%, 19%, and 6%. (These correspond to the cut points in the diagram as A, B, C, and D).

Since lower is better for this measure, the five-star category will have the lowest measure score range, while the one-star category will have scores that are highest in value. For each of the other Star Rating categories, the value of the lower bound is not included in the rating category, while the upper bound value is included. (The inclusivity and exclusivity of the upper and lower bounds is opposite for a measure score where lower is better as compared to higher is better.) For MA-PDs, a rating of five stars would be assigned to measure scores of 9% or less. Measure scores that are greater than 9% up to a maximum value of 16% (including a measure score of 16%) would be assigned a rating of four stars. A rating of three stars would be assigned to measure scores greater than 16% up to a maximum value of 29%. A rating of two stars would be assigned to a measure score that is greater than 29% up to and including 44%. A rating of one star would be assigned to any measure score greater than 44%. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Table J-2: Members Choosing to Leave the Plan cut points example: cut points are for illustrative purposes

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
PDP	> 20 %	> 13 % to <= 20 %	> 9 % to <= 13 %	> 6 % to <= 9 %	<= 6 %



Clustering Methodology Detail

This section details the steps of the clustering method performed in SAS to allow the conversion of the measure scores to measure-level stars.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are separated into 10 equal-sized groups, using a random assignment process to assign each contract's measure score to a group. The random assignment of contracts into 10 groups can be produced using the SURVEYSELECT procedure in SAS as follows:

```
proc surveyselect data=inclusterdat groups=10 seed=8675309 out=inclusterdat_random;
run;
```

In the above code, the input dataset, *inclusterdat*, is the list of contracts without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. The *group=10* option identifies that 10 random groupings of the data should be created. The *seed=8675309* option specifies the seed value that controls the starting point of the random sequence of numbers and allows for future replication of the randomization process. The output dataset, *inclusterdat_random*, is identical to the input dataset with the addition of a new column, named *groupid*, that has the group assignments (from 1 through 10) for each contract.

The hierarchal clustering algorithm (steps 1 through 4 below) is then applied 10 times, each time leaving out one of the 10 groups. For each measure and leave-one-out contract set, the clustering method does the following:

- Produces the individual measure distance matrix.
- Groups the measure scores into an initial set of clusters.
- Selects the set of clusters.

1. Produce the individual measure distance matrix.

For each pair of contracts *j* and *k* ($j \geq k$) among the *n* contracts with measure score data, compute the Euclidian distance of their measure scores (e.g., the absolute value of the difference between the two measure scores). Enter this distance in row *j* and column *k* of a distance matrix with *n* rows and *n* columns. This matrix can be produced using the DISTANCE procedure in SAS as follows:

```
proc distance data= inclusterdat_leave1out out=distancedat method=Euclid;
    var interval(measure_score);
    id contract_id;
run;
```

In the above code, the input data set, *inclusterdat_leave1out*, is the list of contracts (excluding the group left out) without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. Each record has a unique contract identifier, *contract_id*. The option *method=Euclid* specifies that distances between contract measure scores should be based on Euclidean distance. The input data contain a variable called *measure_score* that is formatted to the display criteria outlined in the Technical Notes. In the *var* call, the parentheses around *measure_score* indicate that *measure_score* is considered to be an interval or numeric variable. The distances computed by this code are stored to an output data set called *distancedat*.

2. Create a tree of cluster assignments.

The distance matrix calculated in Step 1 is the input to the clustering procedure. The stored distance algorithm is implemented to compute cluster assignments. The following process is implemented by using the CLUSTER procedure in SAS:

- The input measure score distances are squared.
- The clusters are initialized by assigning each contract to its own cluster.
- In order to determine which pair of clusters to merge, Ward's minimum variance method is used to separate the variance of the measure scores into within-cluster and between-cluster sum of squares components.
- From the existing clusters, two clusters are selected for merging to minimize the within-cluster sum of squares over all possible sets of clusters that might result from a merge.
- Steps 3 and 4 are repeated to reduce the number of clusters by one until a single cluster containing all contracts results.

The result is a data set that contains a tree-like structure of cluster assignments, from which any number of clusters between 1 and the number of contract measure scores could be computed. The SAS code for implementing these steps is:

```
proc cluster data=distancedat method=ward outtree=treedat noprint;
    id contract_id;
run;
```

The *distancedat* data set containing the Euclidian distances was created in Step 1. The option *method=ward* indicates that Ward's minimum variance method should be used to group clusters. The output data set is denoted with the *outtree* option and is called *treedat*.

3. Select the final set of clusters from the tree of cluster assignments.

The process outlined in Step 2 will produce a tree of cluster assignments, from which the final number of clusters is selected using the TREE procedure in SAS as follows:

```
proc tree data=treedat ncl=NSTARS horizontal out=outclusterdat noprint;
    id contract_id;
run;
```

The input data set, *treedat*, is created in Step 2 above. The syntax, *ncl=NSTARS*, denotes the desired final number of clusters (or star levels). For most measures, *NSTARS*= 5. In cases where multiple clusters have the same score value range those clusters are combined, leading to fewer than 5 clusters. Since the improvement measures have a constraint that contracts with improvement scores of zero or greater are to be assigned at least 3 stars for improvement, the clustering is conducted separately for contract measure scores that are greater than or equal to zero versus those that are less than zero. Specifically, Steps 1-3 are first applied to contracts with improvement scores that meet or exceed zero, in which case *NSTARS* equals three. The resulting improvement measure stars can take on values of 3, 4, or 5. For those contracts with improvement scores less than zero, Steps 1-3 are applied with *NSTARS*=2 and these contracts will either receive 1 or 2 stars.

4. Final Thresholds

The cluster assignments produced by the above approach have cluster labels that are unordered. The final step after applying the above steps to all contract measure scores is to order the cluster labels so that the 5-star category reflects the cluster with the best performance and the 1-star category reflects the cluster with the worst performance. With the exception of the improvement measures which are assigned lower thresholds of zero for the 3-star category, the measure thresholds are defined by examining the range of

measure scores within each of the final clusters. The lower limit of each cluster becomes the cut point for the star categories.

Determining Stars from Scores and Thresholds

The mean-resampling approach results in 10 sets of measure-specific cut points, one for each of the 10 implementations of the hierarchical clustering algorithm. Tables J-3 and J-4 show the mean resampling estimated thresholds for the 2023 Star Ratings. The final set of estimated thresholds are then calculated as the mean cut point for each threshold per measure from the 10 different cut point values. For higher-is-better measures, the minimum score observed in each star category defines the effective cut points for the star categories. For lower-is-better measures, the maximum score observed in each star category defines the effective cut points for the star categories.

Table J-3: 2023 Star Ratings Part C non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
C01	< 44 %	>= 44 % to < 62 %	>= 62 % to < 70 %	>= 70 % to < 77 %	>= 77 %
C02	< 38 %	>= 38 % to < 60 %	>= 60 % to < 71 %	>= 71 % to < 79 %	>= 79 %
C04	< 44 %	>= 44 % to < 49 %	>= 49 % to < 53 %	>= 53 % to < 57 %	>= 57 %
C05	< 46 %	>= 46 % to < 62 %	>= 62 % to < 75 %	>= 75 % to < 85 %	>= 85 %
C06	< 36 %	>= 36 % to < 70 %	>= 70 % to < 82 %	>= 82 % to < 93 %	>= 93 %
C07	< 29 %	>= 29 % to < 58 %	>= 58 % to < 85 %	>= 85 % to < 94 %	>= 94 %
C08	< 34 %	>= 34 % to < 47 %	>= 47 % to < 60 %	>= 60 % to < 76 %	>= 76 %
C09	< 47 %	>= 47 % to < 61 %	>= 61 % to < 71 %	>= 71 % to < 79 %	>= 79 %
C10	< 86 %	>= 86 % to < 93 %	>= 93 % to < 95 %	>= 95 % to < 97 %	>= 97 %
C11	< 39 %	>= 39 % to < 62 %	>= 62 % to < 75 %	>= 75 % to < 83 %	>= 83 %
C12	< 48 %	>= 48 % to < 63 %	>= 63 % to < 73 %	>= 73 % to < 80 %	>= 80 %
C13	< 46 %	>= 46 % to < 53 %	>= 53 % to < 60 %	>= 60 % to < 69 %	>= 69 %
C14	< 39 %	>= 39 % to < 43 %	>= 43 % to < 48 %	>= 48 % to < 53 %	>= 53 %
C15	< 43 %	>= 43 % to < 57 %	>= 57 % to < 69 %	>= 69 % to < 82 %	>= 82 %
C16	< 75 %	>= 75 % to < 81 %	>= 81 % to < 85 %	>= 85 % to < 89 %	>= 89 %
C23	> 1.59	> 0.89 to <= 1.59	> 0.5 to <= 0.89	> 0.19 to <= 0.5	<= 0.19
C24	> 37 %	> 24 % to <= 37 %	> 15 % to <= 24 %	> 7 % to <= 15 %	<= 7 %
C25	< -0.298771	>= -0.298771 to < 0	>= 0 to < 0.101745	>= 0.101745 to < 0.328141	>= 0.328141
C26	< 31 %	>= 31 % to < 59 %	>= 59 % to < 82 %	>= 82 % to < 97 %	>= 97 %
C27	< 68 %	>= 68 % to < 83 %	>= 83 % to < 91 %	>= 91 % to < 97 %	>= 97 %
C28	< 47 %	>= 47 % to < 77 %	>= 77 % to < 87 %	>= 87 % to < 94 %	>= 94 %

Notes: These are not the final thresholds for the 2023 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Table J-4: 2023 Star Ratings Part D non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
D01	MA-PD	< 57 %	>= 57 % to < 68 %	>= 68 % to < 80 %	>= 80 % to < 91 %	>= 91 %
D01	PDP	< 60 %	>= 60 % to < 75 %	>= 75 % to < 91 %	>= 91 % to < 97 %	>= 97 %
D02	MA-PD	> 1.59	> 0.89 to <= 1.59	> 0.5 to <= 0.89	> 0.19 to <= 0.5	<= 0.19
D02	PDP	> 0.41	> 0.26 to <= 0.41	> 0.13 to <= 0.26	> 0.06 to <= 0.13	<= 0.06
D03	MA-PD	> 37 %	> 24 % to <= 37 %	> 15 % to <= 24 %	> 7 % to <= 15 %	<= 7 %
D03	PDP	> 23 %	> 16 % to <= 23 %	> 11 % to <= 16 %	> 7 % to <= 11 %	<= 7 %
D04	MA-PD	< -0.325131	>= -0.325131 to < 0	>= 0 to < 0.159307	>= 0.159307 to < 0.391045	>= 0.391045
D04	PDP	< -0.237362	>= -0.237362 to < 0	>= 0 to < 0.389234	>= 0.389234 to < 0.851667	>= 0.851667
D07	MA-PD	< 72	>= 72 to < 86	>= 86 to < 93	>= 93 to < 97	>= 97
D07	PDP	< 90	>= 90 to < 94	>= 94 to < 96	>= 96 to < 99	>= 99
D08	MA-PD	< 79 %	>= 79 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %
D08	PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %
D09	MA-PD	< 83 %	>= 83 % to < 86 %	>= 86 % to < 89 %	>= 89 % to < 91 %	>= 91 %
D09	PDP	< 86 %	>= 86 % to < 89 %	>= 89 % to < 91 %	>= 91 % to < 96 %	>= 96 %
D10	MA-PD	< 81 %	>= 81 % to < 85 %	>= 85 % to < 88 %	>= 88 % to < 92 %	>= 92 %
D10	PDP	< 84 %	>= 84 % to < 87 %	>= 87 % to < 88 %	>= 88 % to < 90 %	>= 90 %
D11	MA-PD	< 41 %	>= 41 % to < 67 %	>= 67 % to < 82 %	>= 82 % to < 89 %	>= 89 %
D11	PDP	< 34 %	>= 34 % to < 49 %	>= 49 % to < 62 %	>= 62 % to < 78 %	>= 78 %
D12	MA-PD	< 80 %	>= 80 % to < 84 %	>= 84 % to < 86 %	>= 86 % to < 90 %	>= 90 %
D12	PDP	< 80 %	>= 80 % to < 82 %	>= 82 % to < 84 %	>= 84 % to < 86 %	>= 86 %

Notes: These are not the final thresholds for the 2023 Star Ratings. See the Measure Details section for final thresholds after guardrails have been applied.

Guardrails are then applied to all non-CAHPS measures, with a few exceptions. Guardrails are not applied to the Part C and Part D improvement measures. Additionally, guardrails are not applied to new measures that have been in the Part C and D Star Rating program for 3 years or less. Cut points for these new measures and improvement measures are based on the hierarchal clustering methodology with mean resampling. When applying guardrails, the difference between the current year and prior year's cut point is calculated for each of the 1 to 5 star levels. A cap value is then calculated and compared to the observed threshold difference.

- For measures having a 0 to 100 scale, an absolute percentage cap of 5 percentage point is applied.
 - o If the absolute difference between the current and prior year's cut point is less than or equal to 5 percentage points, the current year's cut point is used as the final cut point value.
 - o If the absolute difference between the current and prior year's cut point is greater than 5 percentage points, a 5 percentage point cap is applied. That is, 5 percentage points are added to or subtracted from the prior year's cut point value (depending on the direction of movement for the cut point value in the current year) to obtain the final cut point value for the current year.
- For measures not having a 0 to 100 scale, a restricted range cap of 5 percent of the prior year's score range is applied. Specifically, the restricted range cap is equal to the prior year's (maximum score value – minimum score value) * 0.05.
 - o If the absolute difference between the current and prior year's is less than or equal to the calculated restricted range cap value, the current year's cut point is used as the final cut point value.
 - o If the absolute difference between the current and prior year's is greater than the calculated restricted range cap value, then the restricted range cap is applied. That is, the calculated restricted range cap value is added to or subtracted from the prior year's cut point value (depending on the direction of the movement of the cut point value in the current year) to obtain the final cut point value for the current year.

Relative Distribution and Significance Testing (CAHPS) Methodology

The CAHPS measures are case-mix adjusted to take into account differences in the characteristics of enrollees across contracts that may potentially impact survey responses. See [Attachment A](#) for the case-mix adjusters.

The percentile cut points for base groups are defined by current-year distribution of case-mix adjusted contract means. Percentile cut points are rounded to the nearest integer on the 0-100 reporting scale, and each base group includes those contracts whose rounded mean score is at or above the lower limit and below the upper limit. The number of stars assigned is determined by the position of the contract mean score relative to percentile cutoffs from the distribution of contract weighted mean scores from all contracts (which determines the base group); statistical significance of the difference of the contract mean from the national mean along with the direction of the difference; the statistical reliability of the estimate (based on the ratio of sampling variation for each contract mean to between-contract variation); and the standard error of the mean score. All statistical tests, including comparisons involving standard errors, are computed using unrounded scores.

CAHPS reliability calculation details are provided in the document, "Instructions for Analyzing Data from CAHPS® Surveys in SAS®: Using the CAHPS Analysis Program Version 5.0" available at <https://www.ahrq.gov/sites/default/files/wysiwyg/cahps/surveys-guidance/helpful-resources/analysis/2020-instructions-for-analyzing-data.pdf>.

Tables J-5 and J-6 contain the rules applied to determine the final CAHPS measure star value.

Table J-5: CAHPS Star Assignment Rules

Star	Criteria for Assigning Star Ratings
1	A contract is assigned one star if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is lower than the 15 th percentile; AND (b) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) below the 15 th percentile.
2	A contract is assigned two stars if it does not meet the one-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is lower than the 30 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is lower than the 15 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score and below the 60 th percentile.
3	A contract is assigned three stars if it meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 30 th percentile and lower than the 60 th percentile, AND it is not statistically significantly different from the national average CAHPS measure score; OR (b) its average CAHPS measure score is at or above the 15 th percentile and lower than the 30 th percentile, AND the reliability is low, AND the score is not statistically significantly lower than the national average CAHPS measure score; OR (c) its average CAHPS measure score is at or above the 60 th percentile and lower than the 80 th percentile, AND the reliability is low, AND the score is not statistically significantly higher than the national average CAHPS measure score.
4	A contract is assigned four stars if it does not meet the five-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 60 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is at or above the 80 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score and above the 30 th percentile.
5	A contract is assigned five stars if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is at or above the 80 th percentile; AND (b) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) above the 80 th percentile.

Table J-6: CAHPS Star Assignment Alternate Representation

Mean Score	Base Group	Signif. below avg., low reliability	Signif. below avg., not low reliability	Not signif. diff. from avg., low reliability	Not signif. diff. from avg., not low reliability	Signif. above avg., low reliability	Signif. above avg., not low reliability
< 15 th percentile by > 1 SE	1	1	1	2	2	2	2
< 15 th percentile by ≤ 1 SE		2	1	2	2	2	2
≥ 15 th to < 30 th percentile	2	2	2	3	2	3	2
≥ 30 th to < 60 th percentile	3	2	2	3	3	4	4
≥ 60 th to < 80 th percentile	4	3	4	3	4	4	4
≥ 80 th percentile by ≤ 1 SE	5	4	4	4	4	4	5
≥ 80 th percentile by > 1 SE		4	4	4	4	5	5

Notes: If reliability is very low (<0.60), the contract does not receive a Star Rating. Low reliability scores are defined as those with at least 11 respondents and reliability ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. The SE is considered when the measure score is below the 15th percentile (in base group 1), significantly below average, and has low reliability: in this case, 1 star is assigned if and only if the measure score is at least 1 SE below the unrounded base group 1/2 cut point. Similarly, the SE is considered when the measure score is at or above the 80th percentile (in base group 5), significantly above average, and has low reliability: in this case, 5 stars are assigned if and only if the measure score is at least 1 SE above the unrounded base group 4/5 cut point.

For example, a contract in base group 4 that was not significantly different from average and had low reliability would receive 3 final stars.

As noted above, low reliability scores for CAHPS measures are defined as those with at least 11 respondents and reliability ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. Table J-7 contains the 12% reliability cutoffs.

Table J-7: CAHPS Measure 12% Reliability Cutoffs

Measure	12% reliability cutoff
Annual Flu Vaccine	0.835984*
Getting Needed Care	0.706322
Getting Appointments and Care Quickly	0.743328
Customer Service	0.648893
Rating of Health Care Quality	0.630180
Rating of Health Plan	0.814507*
Care Coordination	0.628480
Rating of Drug Plan (MA-PD)	0.770040*
Getting Needed Prescription Drugs (MA-PD)	0.608964
Rating of Drug Plan (PDP)	0.944925*
Getting Needed Prescription Drugs (PDP)	0.868278*

*Note: Reliabilities must be ≥0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability to be designated as low reliability, so these cutoffs did not affect low reliability designation.

Attachment K: Medication Adherence Measure Calculations

Part D sponsors currently have access to monthly Patient Safety Reports via the Patient Safety Analysis Web Portal to compare their performance to overall rates and monitor their progress in improving the Part D patient safety measures over time. Sponsors may use the website to view and download the reports for performance monitoring.

Report User Guides are available on the Patient Safety Analysis Web Portal under Help Documents and provide detailed information about the measure calculations and reports. The following information is an excerpt from the Adherence Measures Report Guide (Appendices A and B) and illustrates the days covered calculation and the modification for inpatient stays and skilled nursing facility stays.

Proportion of Days Covered Calculation

In calculating the Proportion of Days Covered (PDC), we first count the number of days the patient was “covered” by at least one drug in the target drug class. The number of days is based on the prescription fill date and days’ supply. PDC is calculated by dividing the number of covered days by the number of days in the measurement period. Both of these numbers may be adjusted for IP/SNF stays, as described in the ‘Days Covered Modification for Inpatient Stays and Skilled Nursing Facility Stays’ section that follows.

Example 1: Non-Overlapping Fills of Two Different Drugs

In this example, a beneficiary fills Benazepril and Captopril, two drugs in the RAS antagonist hypertension target drug class. The covered days do not overlap, meaning the beneficiary filled the Captopril prescription after the days’ supply for the Benazepril medication ended.

Table K-1: No Adjustment

	January		February		March	
	1/1/2021	1/16/2021	2/1/2021	2/16/2021	3/1/2021	3/16/2021
Benazepril	15	16	15	13		
Captopril					15	16

PDC Calculation

Covered Days: 90

Measurement Period: 90

PDC: $90/90 = 100\%$ **Example 2: Overlapping Fills of the Same Generic Ingredient across Single and Combination Products**

In this example, a beneficiary fills a drug with the same target generic ingredient prior to the end of the days’ supply of the first fill. In rows one and two, there is an overlap between a single and combination drug product, both containing Lisinopril. For this scenario, the overlapping days are shifted because the combination drug product includes the targeted generic ingredient. An adjustment is made to the PDC to account for the overlap in days covered.

In rows two and three, there is an overlap between two combination drug products, both containing Hydrochlorothiazide. However, Hydrochlorothiazide is not a RAS antagonist or targeted generic ingredient, so this overlap is not shifted.

	January		February		March	
	1/1/2021	1/16/2021	2/1/2021	2/16/2021	3/1/2021	3/16/2021
Lisinopril	15	16				
Lisinopril & HCTZ		16	15			
Benazepril & HCTZ			15	13		

PDC Calculation
Covered Days: 59
Measurement Period: 90
PDC: 59/90 = 66%

Table K-3: After Overlap Adjustment

	January		February		March	
	1/1/2021	1/16/2021	2/1/2021	2/16/2021	3/1/2021	3/16/2021
Lisinopril	15	16				
Lisinopril & HCTZ			15	13	3	
Benazepril & HCTZ			15	13		

PDC Calculation
Covered Days: 62
Measurement Period: 90
PDC: 62/90 = 69%

Example 3: Overlapping Fills of the Same and Different Target Drugs

In this example, a beneficiary is refilling both Lisinopril and Captopril. When a single and combination product both containing Lisinopril overlap, there is an adjustment to the PDC. When Lisinopril overlaps with Captopril, we do not make any adjustment to the days covered.

Table K-4: Before Overlap Adjustment

	January		February		March		April	
	1/1/2021	1/16/2021	2/1/2021	2/16/2021	3/1/2021	3/16/2021	4/1/2021	4/16/2021
Lisinopril	15	16						
Lisinopril & HCTZ		16	15					
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation
Covered Days: 92
Measurement Period: 120
PDC: 92/120: 77%

Table K-5: After Overlap Adjustment

	January		February		March		April	
	1/1/2021	1/16/2021	2/1/2021	2/16/2021	3/1/2021	3/16/2021	4/1/2021	4/16/2021
Lisinopril	15	16						
Lisinopril & HCTZ			15	13	3			
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 105

Measurement Period: 120

PDC: 105/120: 88%

PDC Adjustment for Inpatient, and Skilled Nursing Facility Stays Examples

In response to Part D sponsor feedback, CMS modified the PDC calculation, starting with the 2013 Star Ratings (using 2011 PDE data) to adjust for beneficiary stays in inpatient (IP) facilities, and with the 2015 Star Ratings (using 2013 PDE data) to also adjust for hospice enrollments and beneficiary stays in skilled nursing facilities (SNF). These adjustments account for periods that the Part D sponsor would not be responsible for providing prescription fills for targeted medications or more accurately reflect drugs covered under the hospice benefit or waived through the beneficiary's hospice election; thus, their medication fills during an IP or SNF stay or during hospice enrollment would not be included in the PDE claims used to calculate the Patient Safety adherence measures.

The PDC modification for IP stays, hospice enrollments, and SNF stays reflects this situation. Please note that while this modification will enhance the adherence measure calculation, extensive testing indicates that most Part D contracts will experience a negligible impact on their adherence rates. On average, the 2011 adherence rates increased 0.4 to 0.6 percentage points due to the inpatient stay adjustment, and the adjustment may impact the rates positively or negatively.

The hospice and SNF adjustments were tested on 2013 PDE data and overall increased the rates by 0.13 to 0.15 percentage points and 0.29 to 0.35 percentage points, respectively. Hospice information from the Medicare Enrollment Database (EDB) and inpatient claims from the Common Working File (CWF) are available for both PDPs and MA-PDs. SNF claims from the CWF have been used to adjust the SNF PDC adjustments for PDPs. Starting in the 2019 measurement year, when available for MA-PDs in the CWF, adjust the SNF PDC adjustments. Additionally, starting in 2019 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries. Additionally, starting in 2020 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries.

Note: Hospice enrollment is no longer a PDC adjustment but rather an exclusion starting with the 2021 Star Ratings (2020 YOS).

Calculating the PDC Adjustment for IP Stays and SNF Stays

The PDC modification for IP stays and SNF stays is based on two assumptions: 1) a beneficiary receives their medications through the facility during the IP or SNF stay, and 2) if a beneficiary accumulates an extra supply of their Part D medication during an IP stay or SNF stay, that supply can be used once he/she returns home. The modification is applied using the steps below:

- Identify start and end dates of relevant types of stays for beneficiaries included in adherence measures. The discharge date is included in the PDC adjustment.
 - Use IP claims from the CWF to identify IP stays, and when available for MA-PDs.
 - Use SNF claims from the CWF for PDPs, and when available for MA-PD beneficiaries, for SNF PDC adjustments. (1) Use SNF claims from the CWF with either a positive or negative paid amount with Medicare utilization days to identify Medicare Part A covered SNF stays. (2) Use SNF claims from the CWF with a condition code 04 (Beneficiary enrolled in a MA-PD) not associated with a condition code 21 and/or a no payment reason code.
 - Use IP and SNF stay encounter data when available for MA-PD beneficiaries. Additionally, if IP and SNF stay claims for MA-PD enrolled beneficiaries are reported in the CWF, the CWF will remain as an additional data source.

- Remove days of relevant stays occurring during the measurement period from the numerator and denominator of the proportion of days covered calculation.
- Shift days' supply from Part D prescription fills that overlap with the stay or subsequent fills for the same drug class to uncovered days after the end of the relevant stay, if applicable. This assumes the beneficiary receives the relevant medication from a different source during the stay and accumulates the Part D prescription fills for later use.

If SNF and IP stays cover a beneficiary's entire enrollment episode that meets the inclusion criteria, the associated proportion of member-years is not included in the rate calculation. Consequently, if SNF and IP stays span all of the beneficiary's enrollment episode(s) within the measurement period, the beneficiary is excluded from the measurement year.

The following examples provide illustrations of the implementation of these assumptions when calculating PDC.

Example 1: Gap in Coverage after IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage on days 1-8 and 12-15 and an IP stay on days 5 and 6, as illustrated in Table K-6.

Table K-6: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1	X1				X2	X2	X2	X2
Inpatient Stay					+	+									

PDC Calculation:

Covered Days: 12

Measurement Period: 15

PDC: $12/15 = 80\%$

With the adjustment for the IP stay, days 5 and 6 are deleted from the measurement period. Additionally, the drug coverage during the IP stay is shifted to subsequent days of no supply (in this case, days 9 and 10), based on the assumption that if a beneficiary received his/her medication through the hospital on days 5 and 6, then he/she accumulated two extra days' supply during the IP stay. The two extra days' supply is used to cover the gaps in Part D drug coverage in days 9 and 10. This is illustrated in Table K-7.

Table K-7: After Adjustment

Day	1	2	3	4	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	+	+		X2	X2	X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 12

Measurement Period: 13

PDC: $12/13 = 92\%$

Example 2: Gap in Coverage before IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-7 and 12-15, and an IP stay on days 12 and 13, as illustrated in Table K-8.

Table K-8: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2	X2	X2
Inpatient Stay												+	+		

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: 11/15 = 73%

With the adjustment for the IP stay, days 12 and 13 are deleted from the measurement period. While there are two days' supply from the IP stay on days 12 and 13, there are no days without drug coverage after the IP stay. Thus, the extra days' supply are not shifted. This is illustrated in Table K-9.

Table K-9: After Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 9

Measurement Period: 13

PDC: 9/13 = 69%

Example 3: Gap in Coverage Before and After IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-3, 6-9, and 12-15, and an IP stay on days 6-9, as illustrated in Table K-10.

Table K-10: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			X2	X2	X2	X2			X3	X3	X3	X3
Inpatient Stay						+	+	+	+						

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: 11/15 = 73%

With the adjustment for the IP stay, days 6-9 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay, based on the assumption that the beneficiary received his/her medication through the hospital on days 6-9. In this case, only days 10 and 11 do not have drug coverage and are after the IP stay, so two days' supply are shifted to days 10 and 11. This is illustrated in Table K-11.

Table K-11: After Adjustment

Day	1	2	3	4	5	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			+	+	X2	X2	X3	X3
Inpatient Stay											

PDC Calculation:

Covered Days: 9

Measurement Period: 11

PDC: $9/11 = 82\%$ **Example 4: Gap in Coverage After IP Stay and Overlap with Subsequent Fill of the Same Drug Class**

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-4, and 7-11 for the same drug class, and an IP stay on days 2-4, as illustrated in Table K-12.

Table K-12: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1			X2	X2	X2	X2	X2				
Inpatient Stay		+	+	+											

PDC Calculation:

Covered Days: 9

Measurement Period: 15

PDC: $9/15 = 60\%$

With the adjustment for the IP stay, days 2-4 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay. In the case of overlapping days with a subsequent fill of the same drug class, the days supply of the subsequent fill are shifted. In this example, the days supply of 2 to 4 during the IP stay are shifted to days 5 to 7 after the IP stay. Because day 7 includes 1 days supply of a subsequent fill (X2) of the same drug class, days 7 to 11 that corresponds to the subsequent fill are shifted to days 8 to 12. This is illustrated in Table K-13.

Table K-13: After Adjustment

Day	1	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	+	+	+	X2	X2	X2	X2	X2			
Inpatient Stay												

PDC Calculation:

Covered Days: 9

Measurement Period: 12

PDC: $9/12 = 75\%$

Attachment L: Methodology for Price Accuracy Measure

CMS's drug pricing performance measure evaluates the accuracy of prices displayed on Medicare Plan Finder (PF) for beneficiaries' comparison of plan options. The accuracy score is calculated by comparing the PF price to the PDE price and determining the magnitude and frequency of differences found when the PDE price exceeds the PF price. This document summarizes the methods currently used to construct each contract's PF Composite Price Accuracy Score.

Contract Selection

The Part D Star Ratings rely in part on the submission of pricing data to PF. Therefore, only contracts with at least one plan meeting all of the following criteria are included in the analysis:

- Not a PACE plan
- Not a demonstration plan
- Not an employer plan
- Part D plan
- Plan not terminated during the contract year

Only contracts with at least 30 eligible claims throughout the year are included in the accuracy measure. This ensures that the sample size of PDEs is large enough to produce a reliable accuracy score.

PF Composite Price Accuracy Score

To calculate the PF Composite Price Accuracy Score, the point of sale cost (ingredient costs plus dispensing fee) reported on each PDE claim is compared to the cost resulting from using the unit price reported on Plan Finder.¹ This comparison includes only PDEs for which a PF cost can be assigned. In particular, a PDE must meet seven conditions to be included in the analysis:

1. If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible. NCPDP numbers are mapped to their corresponding NPI numbers.
2. The corresponding reference NDC must appear under the relevant price ID for the pharmacy in the pricing file.²
3. The reference NDC must be on the plan's formulary.
4. Because the retail unit cost reported on Plan Finder is intended to apply to a 1, 2, or 3-month supply of a drugs, only claims with a Days Supply of 28-34, 60-62, or 90-93 are included. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan. For example, a plan that submits a 3 month retail supply of 100 days in their bid will have claims with a days supply of 90-100 included in their accuracy measure calculation.

¹ Plan Finder unit costs are reported by plan, drug, days of supply, and pharmacy. The plan, drug, days of supply and pharmacy from the PDE are used to assign the corresponding Plan Finder unit cost posted on medicare.gov on the date of the PDE.

² Plan Finder prices are reported at the reference NDC level. A reference NDC is a representative NDC of drugs with the same brand name, generic name, strength, and dosage form. To map NDCs on PDEs to a reference NDC, we use First Data Bank (FDB) and Medi-Span to create an expanded list of NDCs for each reference NDC, consisting of NDCs with the same brand name, generic name, strength, and dosage form as the reference NDC. This expanded NDC list allows us to map PDE NDCs to PF reference NDCs.

5. PDEs for dates of service during which the plan was suppressed from Plan Finder or where the relevant pharmacy or drug was not reported in Plan Finder are not included since no Plan Finder cost can be assigned.³
6. PDEs for compound drugs or non-covered drugs are not included.
7. The PDE must occur in Quarter 1 through 3 of the year. Quarter 4 PDEs are not included because PF prices are not updated during this last quarter.

The PF Composite Price Accuracy Measure factors in both how much and how often PDE prices exceeded the prices reflected on the PF. The contract's PF Composite Price Accuracy score is the average of the Price Accuracy Score, which measures the difference between PDE total cost and PF total cost,⁴ and the Claim Percentage Score, which measures the share of claims where PDE prices are less than or equal to PF prices.

Once PF unit ingredient costs are assigned, the PF ingredient cost is calculated by multiplying the unit costs reported on PF by the quantity listed on the PDE. The PDE cost (TC) is the sum of the PDE ingredient cost paid and the PDE dispensing fee. Likewise, the PF TC is the sum of the PF ingredient cost and the PF dispensing fee that corresponds to the same pharmacy, plan, and days of supply as that observed in the PDE. Each claim is then given a score based on the difference between the PDE TC and the PF TC. If the PDE TC is lower than or equal to the PF TC, the claim receives a score equal to zero. In other words, contracts are not penalized when point of sale costs are lower than or equal to the advertised costs. However, if the PDE TC is higher than the PF TC, then the claim receives a score equal to the difference between the PDE TC and the PF TC.⁵ The contract level PF Price Accuracy Index is the sum of the claim level scores and PDE TC across all PDEs that meet the inclusion criteria, divided by the PDE TC for those same claims.

The PF Claim Percentage Index is the percent of all PDEs that meet the inclusion criteria with a PDE TC higher than the PF TC. Note that the best possible PF Price Accuracy Index is 1, and the best possible PF Claim Percentage Index is 0. This occurs when the PF TC is never lower than the PDE TC. The formulas below illustrate the calculation of the contract level PF Price Accuracy Index and PF Claim Percentage Index:

$$\text{Price Accuracy Index} = \frac{\sum_i \max(\text{TC}_{i\text{PDE}} - \text{TC}_{i\text{PF}}, 0) + \sum_i \text{TC}_{i\text{PDE}}}{\sum_i \text{TC}_{i\text{PDE}}}$$

where

$\text{TC}_{i\text{PDE}}$ is the ingredient cost plus dispensing fee reported in PDE_i , and

$\text{TC}_{i\text{PF}}$ is the ingredient cost plus dispensing fee calculated from PF data, based on the PDE_i reported NDC, days of supply, and pharmacy, then rounded to the nearest cent.

$$\text{Claim Percentage Index} = \frac{\sum_i \text{Claims}_{i\text{PDE} > \text{PF}}}{\sum_i \text{Claims}_{i\text{Total}}}$$

where

³ Because CMS continues to display pharmacy and drug pricing data for sanctioned plans on MPF to their current enrollees, sanctioned plans are not excluded from this measure. If, however, CMS completely suppresses a sanctioned contract's data from MPF display, then they would be excluded from the measure.

⁴ PF total costs are rounded to the nearest cent. For example, if the PF total cost is \$10.237, then it is rounded to \$10.24. PF unit costs are not rounded.

⁵ To account for potential rounding errors, this analysis requires that the PDE cost exceed the rounded PF cost by at least a cent (\$0.01) in order to be counted towards the accuracy score. For example, if the PDE cost is \$10.25 and the rounded PF cost is \$10.24, the 1-cent difference would be counted towards plan's accuracy score. However, if the rounded PF cost is higher than \$10.24, the difference would not be considered problematic, and it would not count towards the plan's accuracy score.

⁶ The PF data includes floor pricing. For plan-pharmacy drugs with a floor price, if the PF price is lower than the floor price, the PDE price is compared against the floor price.

$Claims_{iPDE>PF}$ is the total number of claims where the PDE price is greater than the rounded PF price

$Claims_{iTotal}$ is the total number of claims

We use the following formulas to convert the Claim Percentage Index and Price Accuracy Index into the PF Composite Price Accuracy score:

$$\text{Price Accuracy Score} = 100 - [(\text{Price Accuracy Index} - 1) \times 100]$$

$$\text{Claim Percentage Score} = (1 - \text{Claim Percentage Index}) \times 100$$

$$\text{PF Composite Price Accuracy Score} = (0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$$

The PF Composite Price Accuracy Score is rounded to the nearest whole number.

Example of Accuracy Index Calculation

Table L-1 shows an example of the PF Composite Price Accuracy Score calculation. This contract has 4 claims, for 4 different NDCs and 4 different pharmacies. This is an abbreviated example for illustrative purposes only; in the actual accuracy index, a contract must have 30 eligible claims to be evaluated.

From each of the 4 claims, the PDE ingredient cost, dispensing fee, and quantity dispensed are obtained. Additionally, the plan ID, days of supply, date of service, and pharmacy number are collected from each PDE to identify the PF data that had been submitted by the contract and posted on Medicare.gov on the PDE dates of service. The NDC on the claim is first assigned the appropriate reference NDC, based on the brand name, generic name, strength, and dosage form. Using the reference NDC, the following PF data are obtained: brand/generic dispensing fee (as assigned by the pharmacy cost file) and unit cost (as assigned by the Price File corresponding to that pharmacy and days of supply on the date of service). The PDE cost is the sum of the PDE ingredient cost and dispensing fee. The PF cost is computed as the quantity dispensed from PDE multiplied by the PF unit cost plus the PF brand/generic dispensing fee (brand or generic status is assigned based on the NDC), and then rounded to the nearest cent.

The last column shows the amount by which the PDE cost is higher than the rounded PF cost. When PDE cost is less than or equal to the rounded PF cost, this value is zero. The Price Accuracy Index is the sum of the last column plus the sum of PDE costs all divided by the sum of PDE costs. The Claim Percentage Index is the number of rows where the last column is greater than zero divided by the total number of rows.

Table L-1: Example of Price Accuracy Index Calculation

NDC	Pharmacy Number	PDE Data DOS	PDE Data Ingredient Cost	PDE Data Dispensing Fee	PDE Data Quantity Dispensed	PDE Days of Supply	PDE Data Biweekly Posting Period	PDE Data Unit Cost	PDE Data Dispensing Fee Brand	PDE Data Dispensing Fee Generic	Calculated Value Brand or Generic Status	Calculated Value Total Cost PDE	Calculated Value Total Cost PF	Calculated Value Amount that PDE is higher than PF
A	111	01/08/2021	3.82	2	60	60	01/06/21 - 01/19/21	0.014	2.25	2.75	B	5.82	3.09	2.73
B	222	01/24/2021	0.98	2	30	60	01/20/21 - 02/02/21	0.83	1.75	2.5	G	2.98	27.40	0
C	333	02/11/2021	10.48	1.5	24	28	02/03/21 - 02/16/21	0.483	2.5	2.5	B	11.98	14.09	0
D	444	02/21/2021	47	1.5	90	30	02/17/21 - 03/01/21	0.48	1.5	2.25	G	48.50	45.45	3.05
PDE = Prescription Drug Event PF = Plan Finder											Totals	69.28		5.78
											Price Accuracy Index			1.08343
											Claim Percentage Index			0.5
											PF Composite Price Accuracy Score			71

Medicare Part D Reporting Requirements Measure (D11: MTM CMR Completion Rate Measure)

- Step 1: Start with all contracts that enrolled beneficiaries in MTM at any point during contract year 2021. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.
- Step 2: Exclude contracts that did not enroll 31 or more beneficiaries in their MTM program who met the measure denominator criteria during contract year 2021.

Next, exclude contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2022), or that were not required to participate in data validation. The current MTM requirements are waived for the PBPs approved to participate in the Enhanced MTM Model and data on participating PBPs must not be reported per the Part D Reporting Requirements under the current MTM program. This MTM data will instead be reported in accordance with model terms and conditions and not included in the measure calculation.

Additionally, exclude contracts that did not score at least 95% on data validation for their plan reporting of the MTM Program section and contracts that scored 95% or higher on data validation for the MTM Program section but that were not compliant with data validation standards/sub-standards for at least one of the following MTM data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- MBI Number (Element B)
- Met the specified targeting criteria per CMS – Part D requirements (Element F)
- Date of MTM program enrollment (Element I)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element L)
- Received annual CMR with written summary in CMS standardized format (Element Q)
- Date(s) of CMR(s) (Element R)

- Step 3: After removing contracts' and beneficiaries' data excluded above, suppress contract rates based on the following rules:

File DV failure: Contracts that failed to submit the CY 2021MTM Program Reporting Requirements data file or who had a missing DV score for MTM are listed as "CMS identified issues with this plan's data."

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2021MTM Program Reporting Requirements data are listed as "CMS identified issues with this plan's data."

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2021MTM Program Reporting Requirements data but that failed at least one of the seven data elements are listed as "CMS identified issues with this plan's data."

Small size: Contracts that have not yet been suppressed and have fewer than 31 beneficiaries enrolled are listed as "Not enough data available."

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

- Step 4: Calculate the rate for the remaining contracts using the following formula:

Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period / Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period, met the specified targeting criteria per CMS during the

reporting period, weren't in hospice at any point during the reporting period, and who were enrolled in the MTM program for at least 60 days during the reporting period. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe.

Attachment N: Methodology for the Puerto Rico Model

Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. The categorization of contracts into final adjustment categories for the Categorical Adjustment Index (CAI) relies on both the use of a contract's percentages of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disabled beneficiaries. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI.

The contract-level modified LIS/DE percentages for Puerto Rico contracts for the 2023 Star Ratings are developed using the following sources of information:

- The 2019 1-year American Community Survey (ACS) estimates for the percentage of people living below the Federal Poverty Level (FPL).
- The 2019 ACS 5-year estimates for the percentage of people living below 150% of the FPL;¹ for Puerto Rico and for the 10 poorest US states (which may include the District of Columbia).
- The Medicare enrollment data file for those enrolled during 2021 provided for beneficiaries who were alive at least through December 2021, the percentage of each contract's beneficiaries who were DE and for non-Puerto Rico contracts, the percentage who were LIS/DE. Beneficiary DE status was determined using a) the monthly beneficiary dual status codes, b) identification of Low Income Part D enrollees who reside in the US Territories, and c) beneficiaries with Medicaid coverage/who are Medicaid eligible by the Point of Sale contractor. For non-Puerto Rico contracts, beneficiaries who were LIS were determined using the monthly beneficiary LIS status codes, and beneficiaries were classified LIS/DE by combining the beneficiaries identified as DE and beneficiaries identified as LIS.

The following steps are employed to determine the modified percentages of LIS/DE for MA contracts solely serving the population of beneficiaries in Puerto Rico. All references to contracts in Puerto Rico are limited to the contracts solely serving the population of beneficiaries in Puerto Rico.

- The 10 states with the highest proportion of people living below the FPL are identified, based on 2019 1-year data from ACS (<https://www.census.gov/content/dam/Census/library/publications/2020/acs/acsbr20-04.pdf>, see Table 1). *The states identified are: Alabama, Arkansas, Kentucky, Louisiana, Mississippi, New Mexico, Oklahoma, South Carolina, Tennessee, and West Virginia.*
- Data are aggregated from Medicare Advantage contracts that had at least 90% of their beneficiaries enrolled with mailing addresses within the 10 highest poverty states identified in step (1). *For the 2023 Star Ratings adjustment, the data used for the model development included a total of 99 Medicare Advantage contracts with at least 90% of their beneficiaries with mailing addresses in one of the ten poorest states listed above.*
- A linear regression model is developed using the known LIS/DE percentage and the corresponding DE percentage from the MA contracts in the 10 highest poverty states with at least 90% of their beneficiaries with mailing addresses in one of the ten states
- The model for Puerto Rico is developed using the model in step (3) as its base.

¹ Due to the COVID-19 pandemic, the 2020 ACS data did not meet the Census Bureau's statistical quality standards, and normal data products were not released. Therefore, for the 2023 Star Ratings, the 2019 ACS estimates were used, as they reflect the most recent non-experimental estimates currently available. For more information see https://www.census.gov/library/working-papers/2021/acs/2021_Rothbaum_01.html.

The estimated slope from the linear fit in the previous step (3) is retained to approximate the expected relationship between LIS/DE for each contract in Puerto Rico and its DE percentage. However, as Puerto Rico contracts are expected to have a larger percentage of low-income beneficiaries, the intercept term is adjusted to be more suitable for use with Puerto Rico contracts as follows:

The intercept term for the Puerto Rico model is estimated by assuming that the Puerto Rico model will pass through the point (x, y) where x is the observed average DE percentage in the Puerto Rico contracts, and y is the expected average percentage of LIS/DE in Puerto Rico. The expected average percentage of LIS/DE in Puerto Rico (the y value) is not observable but is estimated by multiplying the observed average percentage of LIS/DE in the 10 highest poverty states identified in step (1) by the ratio based on the 2019 5-year ACS estimates of the percentage living below 150% of the FPL in Puerto Rico compared to the corresponding percentage in the 10 poorest US states.

- To obtain each Puerto Rico contract's modified LIS/DE percentage, a contract's observed DE percentage is used in the Puerto Rico model developed in the previous step (4).

A contract's observed DE percentage is multiplied by the slope estimate, and then, the newly derived intercept term is added to the product. The estimated modified LIS/DE percentage is capped at 100%. Any estimated LIS/DE percentage that exceeds 100% is categorized in the final adjustment category for LIS/DE with an upper bound of 100%.

Note that the District of Columbia is included with the 50 US states when determining the 10 poorest in 2019. All estimated modified LIS/DE values for Puerto Rico are rounded to six decimal places when expressed as a percentage. (This rounding rule aligns with the limits for the adjustment categories for LIS/DE for the CAI.)

Model

The generic model developed to estimate a contract's LIS/DE percentage using its DE percentage is as follows:

$$\widehat{\text{LIS/DE}} = (\text{Slope} \times \text{contract's DE percentage}) + (\text{intercept})$$

Using the data from the 10 highest poverty states, the estimated slope was calculated to be 0.919172.

$$\widehat{\text{LIS/DE}} = (0.919172 \times \text{contract's DE percentage}) + (\text{intercept})$$

Next, the intercept for the Puerto Rico model was determined using the point (x, y) where x is the observed average DE percentage in Puerto Rico contracts (35.846594%) and y is an estimated expected average percentage of LIS/DE in Puerto Rico.

To calculate the estimated expected average percentage of LIS/DE in Puerto Rico, the observed average percentage of LIS/DE in the 10 poorest US states identified in step (1) is multiplied by the ratio of the percentage of Puerto Rico residents living below 150% of the FPL to the analogous percentage in the 10 poorest US states.

Description	Value
Percent of PR residents below 150% of FPL	60.600000%
Percent of residents in the 10 poorest US states below 150% of FPL	27.331987%
Observed average LIS/DE percentage in the 10 poorest US states	37.891295%
Observed average DE percentage in Puerto Rico contracts	35.846594%

The product thus becomes $\left(37.891295 \times \frac{60.600000}{27.331987} \right)$.

The new intercept for the Puerto Rico model is as follows:

$$\text{new intercept} = \left(37.891295 \times \frac{60.600000}{27.331987} \right) - (0.919172 \times 35.846594)$$

The final model to estimate the percentage of LIS/DE in Puerto Rico model is as follows:

$$\widehat{\text{LIS/DE}} = (0.919172 \times \text{contract's DE percentage}) + \left(\left(37.891295 \times \frac{60.600000}{27.331987} \right) - (0.919172 \times 35.846594) \right)$$

Example

To calculate the contract-level modified LIS/DE percentage for a hypothetical contract from Puerto Rico with an observed DE percentage of 25%, the value of 25.000000% is used in the model developed.

$$\widehat{\text{LIS/DE}} = (0.919172 \times \text{contract's DE percentage}) + \left(\left(37.891295 \times \frac{60.600000}{27.331987} \right) - (0.919172 \times 35.846594) \right)$$

The contracts percentage of 25.000000% is substituted into the Puerto Rico model.

$$\widehat{\text{LIS/DE}} = (0.919172 \times 25.000000) + \left(\left(37.891295 \times \frac{60.600000}{27.331987} \right) - (0.919172 \times 35.846594) \right)$$

The contract-level modified LIS/DE percentage for a hypothetical Puerto Rico contract that has an observed DE percentage of 25.000000% is 74.042026%.

The final adjustment category for the CAI adjustment is identified using the DE percentage of 25.000000% and the LIS/DE percentage 74.042026%.

Attachment O: Scaled Reductions for Appeals IRE Data**Part C Scaled Reduction Methodology**

CMS's scaled reduction methodology is a three-stage process that uses the Timeliness Monitoring Project (TMP) or audit data as the means to determine: first, whether a contract may be subject to a potential reduction for the Part C appeals measures due to an IRE data completeness issue; second, as the basis to determine the estimated error rate; and finally, to see whether the estimated error rate is statistically significantly greater than established thresholds for a scaled reduction.

Stage 1: Determine Whether the Contract is Subject to a Potential Reduction for the Part C Appeals Measures Due to an IRE Data Completeness Issue**Step 1A: Data Source and Data Values**

The scaled reduction methodology uses the data submitted for the Timeliness Monitoring Project (TMP) for the measurement year that is associated with the Star Ratings' year. For example, the 2023 Star Ratings scaled reductions are based on the 2021 TMP data submitted in 2022. The data, submitted at the Parent Organization level, are disaggregated to the contract level for analysis.

The following information is needed to begin the steps to determine whether a contract will be subject to a possible scaled reduction for their Part C appeals measures because of data integrity issues. The information is available in HPMS during Plan Preview. The field name in HPMS is provided within parentheses after the description in the bulleted list below.

- Number of Cases Not Forwarded to the IRE (Cases Not Forwarded to IRE)
- Number of Cases Forwarded to the IRE (Cases Forwarded to IRE)
- Total Number of Cases that Should Have Been Forwarded to the IRE (Total IRE Cases)
- TMP Data Collection Period (Months)
- Part C Calculated Error Rate

The Total Number of Cases that Should Have Been Forwarded to the IRE is calculated by adding the Number of Cases Not Forwarded to the IRE (Cases Not Forwarded to IRE) and the Number of Cases Forwarded to the IRE (Cases Forwarded to IRE) (Equation A).

Equation (A)

$$\text{Total Number of Cases that Should Have Been Forwarded to IRE} = \text{Number of Cases Not Forwarded to IRE} + \text{Number of Cases Forwarded to IRE}$$

Step 1B: Part C Calculated Error Rate

Using the values in Step 1A, determine the Part C Calculated Error Rate.

The Calculated Error Rate is the quotient of the Number of Cases Not Forwarded to the IRE during the TMP collection period and the Total Number of Cases that Should Have Been Forwarded to the IRE in the same period (Equation B).

Equation (B)

$$\text{Part C Calculated Error Rate} = \frac{\text{Number of Cases Not Forwarded to the IRE}}{\text{Total Number of Cases that Should Have Been Forwarded to the IRE}}$$

Step 1C: 3-month Projected Number of Cases

Since the timeframe for the TMP or audit data is dependent on a contract's enrollment, a 3-month Projected Number of Cases Not Forwarded to the IRE is determined to allow a consistent application of the developed criteria.

To calculate a contract's 3-month Projected Number of Cases Not Forwarded to the IRE, first identify the multiplying factor using Table O-1. Locate the row (months) that corresponds to the TMP Data Collection Period.

Table O-1: Multiplying Factor to calculate the 3-month Projected Number of Cases Not Forwarded to the IRE

TMP Data Collection Period (Months)	Multiplying Factor for the 3-month Projected Number of Cases Not Forwarded to IRE
1	3.0
2	1.5
3	1.0

Next, multiply the Number of Cases Not Forwarded to the IRE that was posted in HPMS by the factor identified in Table 1 for the contract (Equation C). The product is the 3-month Projected Number of Cases Not Forwarded to the IRE.

Equation (C)

$$\text{3-month Projected Number of Cases Not Forwarded to the IRE} = \text{Multiplying Factor} \times \text{Number of Cases Not Forwarded to IRE in the TMP period}$$

Step 1D: Subject to Reduction

Criteria were developed to determine if a contract's Part C appeals measures may be subject to a possible IRE data completeness reduction.

A contract is subject to a possible reduction due to lack of IRE data completeness if both conditions are met:

- The Calculated Error Rate is 20% or more.
- The 3-month Projected Number of Cases Not Forwarded to the IRE is at least 10.

Using the Part C Calculated Error Rate and the 3-month Projected Number of Cases Not Forwarded to the IRE, check the criteria to determine if the contract is subject to a possible reduction. Table O-2 below is provided to determine if a contract is subject to a possible reduction.

Table O-2: Identification of a Contract that is Subject to a Possible Scaled Reduction

Calculated Error Rate	3-month Projected Number of Cases Not Forwarded to IRE	Contract Subject to a Possible Reduction
Less than 20%	Less than 10 cases	No
Less than 20%	10 cases or more	No
At Least 20%	Less than 10 cases	No
At Least 20%	10 cases or more	Yes

If a contract is not subject to a possible reduction, the contract will receive the measure-level Star Ratings for the Part C appeals measures determined by the specification detailed in the section regarding the Methodology for Assigning Stars to the Part C and Part D measures in this document.

If a contract is subject to a possible reduction, then continue to Stage 2.

Stage 2: Estimated Error Rate

Step 2A: Lower Bound of the Score Interval

Using the Part C Calculated Error Rate in Step 1B, the lower bound of the confidence interval (Wilson Score Interval) is determined and used to statistically test the value against a set of thresholds to identify the scaled reduction for a contract's Part C appeals measures.

To determine the lower bound, first, the midpoint of the interval must be calculated. There are two values needed to calculate the midpoint of the interval for a contract – the Part C Calculated Error Rate and the Total Number of Cases that Should Have Been Forwarded to the IRE in the TMP Data Collection Period.¹

Substitute the Calculated Error Rate and the Total Number of Cases that Should Have Been Forwarded to the IRE for the Total Number of Cases in Equation (D). The z value used for the calculation of the interval is 1.959964.²

Equation (D)

$$\text{Midpoint} = \text{Calculated Error Rate} \times \left(\frac{\text{Total Number of Cases}}{\text{Total Number of Cases} + z^2} \right) + \frac{1}{2} \left(\frac{z^2}{\text{Total Number of Cases} + z^2} \right)$$

Once the midpoint is calculated, determine the value of the lower bound of the interval.

The lower bound of the interval is found by substituting the value determined for the midpoint, the Calculated Error Rate, the value of 1.959964 for z, and the Total Number of Cases that Should Have Been Forwarded to the IRE for the value for n in Equation (E).

Equation (E)

$$\text{Lower Bound} = \text{Midpoint} - z \times \sqrt{\frac{1}{n + z^2} \left[(\text{Calculated Error Rate}) (1 - \text{Calculated Error Rate}) \left(\frac{n}{n + z^2} \right) + \frac{1}{4} \left(\frac{z^2}{n + z^2} \right) \right]}$$

Convert the lower bound to a percent by multiplying by 100.

Stage 3: Scaled Reduction

Step 3A: Statistical Testing

Once the value of the lower bound is determined (Stage 2), the value is compared to the thresholds in Table O-3 to determine if a contract's estimated value is significantly greater than the thresholds.

Using the calculated value for the lower bound in Step 2A, identify the value(s) in the table for which the calculated lower bound exceeds the threshold in the row. Next, identify the highest threshold that the lower bound exceeds.

Note: A contract's lower bound can be statistically significantly higher for more than one threshold. The scaled reduction will be determined by the highest associated scaled reduction.

Table O-3: Thresholds and Associated Reductions

Threshold	Reduction for Incomplete IRE Data (Stars)
20%	1
40%	2
60%	3
80%	4

Using the highest threshold in Table P-3 that the contract's lower bound exceeds, identify the associated reduction for incomplete IRE data.

¹ The Total Number of Cases that Should Have Been Forwarded to the IRE in the TMP Data Collection Period is not the same as the 3-month Projected Number of Cases Not Forwarded to the IRE determined in Step 1C.

² The z used for the calculation of the interval corresponds to a level of statistical significance of 0.05.

Step 3B: Application of the Scaled Reduction

The identified scaled reduction in Table O-3 is subtracted from the measure-level Star Rating for both Part C appeals measure-level Star Ratings. If the resulting measure-level Star Rating is less than one-star, the measure is assigned one star.

Note: If the Part C appeals measures receive a scaled reduction in either measurement year included in the Part C improvement measure, the Part C appeals measures would not be eligible for inclusion in the Part C improvement measure.

Attachment P: Identification of Contracts Affected by Disasters

Natural disasters such as hurricanes and wildfires can directly affect Medicare beneficiaries and providers, as well as the Parts C and D organizations that provide them with important medical care and prescription drug coverage. These disasters may negatively affect the underlying operational and clinical systems that CMS relies on for accurate performance measurement in the Star Ratings program.

The 2023 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>) describes CMS's policy for making adjustments in the Star Ratings to take into account the effects of extreme and uncontrollable circumstances which occurred during the performance period. This is also codified in regulation at §422.166(i) and §423.186(i).

Operational Steps to Calculating Enrollment Impacted in Affected Contracts.

- Identify the areas which experienced both extreme and uncontrollable circumstances as defined in Section 1135 (g) of the Act and also are within a county or statistically equivalent entity, U.S. territory or tribal government designated in a major disaster declaration under the Stafford Act.
 - Areas where the Health and Human Services (HHS) Secretary exercised their authority under Section 1135 of the Act can be found at the Public Health Emergency website at <https://www.phe.gov/emergency/news/healthactions/section1135/Pages/default.aspx>
 - Major disaster areas are identified by the Federal Emergency Management Agency (FEMA) website at: <https://www.fema.gov/disasters>.

Table P-1 lists the Section 1135 waivers issued by the HHS Secretary along with associated FEMA major disaster information that falls within the performance period for the 2023 Star Ratings.

Table P-1: Section 1135 waivers issued in relation to the FEMA major disaster declarations

Section 1135 Waiver Date Issued	Waiver or Modification of Requirements Under Section 1135 of the Social Security Act	FEMA Incident Type	Affected State	Incident Start Date
2/17/2021	Texas Severe Winter Storms	Winter Storms	Texas	2/11/2021
8/30/2021	Hurricane Ida	Hurricane	Louisiana and Mississippi	8/26/2021
9/3/2021	Remnants of Hurricane Ida	Hurricane	New York and New Jersey	9/1/2021

- Identify the counties or statistically equivalent entities which were declared as Individual Assistance areas by each of the FEMA major disaster declarations that meet the criteria set out in Step 1 below.

Table P-2 lists all of the relevant FEMA major disaster declarations along with the state and associated Individual Assistance counties.

Table P-2: Individual Assistance counties in FEMA Major Disaster Declared States

FEMA Declaration	State	FEMA Individual Assistance Counties or County-Equivalents
4586-DR-TX	Texas	Anderson, Angelina, Aransas, Atascosa, Austin, Bandera, Bastrop, Bee, Bell, Bexar, Blanco, Bosque, Bowie, Brazoria, Brazos, Brooks, Brown, Burleson, Burnet, Caldwell, Calhoun, Cameron, Chambers, Cherokee, Collin, Colorado, Comal, Comanche, Cooke, Coryell, Dallas, DeWitt, Denton, Duval, Eastland, Ector, Ellis, Erath, Falls, Fannin, Fort Bend, Freestone, Galveston, Gillespie, Goliad, Gonzales, Grayson, Gregg, Grimes, Guadalupe, Hardin, Harris, Harrison, Hays, Henderson, Hidalgo, Hill, Hood, Houston, Howard, Hunt, Jackson, Jasper, Jefferson, Jim Hogg, Jim Wells, Johnson, Jones, Karnes, Kaufman, Kendall, Kerr, Kleberg, Lamar, Lavaca, Leon, Liberty, Limestone, Llano, Lubbock, Madison, Matagorda, Maverick, McLennan, Medina, Milam, Montague, Montgomery, Nacogdoches, Navarro, Newton, Nueces, Orange, Palo Pinto, Panola, Parker, Polk, Robertson, Rockwall, Rusk, Sabine, San Jacinto, San Patricio, Scurry, Shackelford, Shelby, Smith, Stephens, Tarrant, Taylor, Tom Green, Travis, Trinity, Tyler, Upshur, Val Verde, Van Zandt, Victoria, Walker, Waller, Washington, Webb, Wharton, Wichita, Willacy, Williamson, Wilson, Wise, and Wood.
4611-DR-LA	Louisiana	Ascension, Assumption, East Baton Rouge, East Feliciana, Iberia, Iberville, Jefferson, Lafourche, Livingston, Orleans, Plaquemines, Pointe Coupee, St. Bernard, St. Charles, St. Helena, St. James, St. John the Baptist, St. Martin, St. Mary, St. Tammany, Tangipahoa, Terrebonne, Washington, West Baton Rouge, and West Feliciana.
4626-DR-MS	Mississippi	Amite, Hancock, Harrison, Jackson, Pearl River, Pike, Walthall, and Wilkinson.
4615-DR-NY	New York	Bronx, Dutchess, Kings, Nassau, Orange, Queens, Richmond, Rockland, Suffolk, and Westchester.
4614-DR-NJ	New Jersey	Bergen, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Morris, Passaic, Somerset, Union, and Warren.

- Identify the service area at the state/county level for each contract in operation during the performance period. The service area of some organization types rated in the Star Ratings are not defined at the state/county level, so their service area must be transformed to include all states and counties covered by their service area.

Table P-3 lists how the service area for each organization type rated in the Star Ratings is defined and what transformation, if any, is needed to create a common state/county level file for all contracts.

Table P-3: Organization type service areas and necessary transformations

Star Rating Organization Types	How Service Area is defined	How Service Area is transformed
1876 Cost, E-CCP, E-PDP, E-PFFS, Local CCP, MSA, PFFS, R-PFFS & R-CCP	State/County	Not necessary, service area is defined at the state/county level
Regional CCP	MA Region	A record is created for each state/county within the MA region
PDP	PDP Region	A record is created for each state/county within the PDP region

- Compare the Individual Assistance states and counties from Step 2 below to the service area from all contracts created in Step 3 below with the state and counties. Create a list of all contracts which have any county that matches in both lists.

- Create a second list of all contracts that do not share any service area with the Individual Assistance counties, so that information on the status of all contracts is accounted for during the performance period.
- Identify the timeframe for each disaster and the associated enrollment files. Each of the disasters occurred during a specific period of time. Since the enrollment in a contract is constantly changing, CMS used the enrollment the contract was paid for in a month that as closely matched the disaster period in the specific state/county as possible for all further processing, following the months in the table below.

Table P-4 shows each of the disasters where relief was granted along with the disaster start date, and the enrollment file month that was used for that specific disaster. The enrollment file choice was based on the enrollment file cut-off date the file was created.

Table P-4: Major Disasters with associated enrollment months

FEMA Declaration	State	Start Date	Enroll File	Enroll Cut Off
4586-DR-TX	Texas	02/11/2021	Feb. 5, 2021	March, 2021
4611-DR-LA	Louisiana	08/26/2021	Sep.10, 2021	Oct., 2021
4626-DR-MS	Mississippi	08/26/2021	Sep.10, 2021	Oct., 2021
4615-DR-NY	New York	09/01/2021	Sep.10, 2021	Oct., 2021
4614-DR-NJ	New Jersey	09/01/2021	Sep.10, 2021	Oct., 2021

- Calculate impacted enrollment by contract taking into account contracts experiencing multiple disasters. Because of the varying sizes of the areas served by the contracts being rated, it is common for a contract to be affected by more than one of the disasters. To account for this, CMS rolled up the enrollment for each contract at the state/county level and then when more than one enrollment period applied an average of the enrollments from each of corresponding enrollment periods where the contract was affected was used.

Table P-5 shows an example where all possible enrollment periods are accounted for and how the enrollment for a contract in a state/county which matched the contract's service area state/county was calculated. Enrollment in out of service area state/counties was not included.

Table P-5: How enrollment periods were combined for contracts experiencing multiple disasters

Formula ID	Enrolled 202X_10	Enrolled 202X_11	Enrolled 202X_12	Enrollment Used
B	True	True	True	$(202X_{10} + 202X_{11} + 202X_{12}) / 3$
C	True	True		$(202X_{10} + 202X_{11}) / 2$
F	True		True	$(202X_{10} + 202X_{12}) / 2$
H	True			202X_10
J		True	True	$(202X_{11} + 202X_{12}) / 2$
L		True		202X_11
N			True	202X_12
P				0 (zero)

- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in the entire service area for the contract to be used in further processing.
- Using the enrollment for the contract developed in Step 7 below, take the sum of the enrollment in all of the Individual Assistance counties that correspond to the contract service area.

- Using the final list of affected contracts from Step 4 below, calculate the percentage of the contract's total service area enrollment that was affected by the Individual Assistance area enrollment. Create flags for the $\geq 25\%$ and $\geq 60\%$ thresholds for processing of the ratings data for those contracts.

Example:

Steps 1 and 2 use the disasters and counties that have already been defined in Tables P-1 & P-2. For Steps 3 through 10, we use an example contract, HAAAA, which offers services to some counties from both California and Texas.

Step 3, Table P-6 below contains the full list of counties that make up the service area for contract HAAAA.

Step 4, the Individual Assistance County column is included in Table P-6. Rows marked TRUE are matches from Individual Assistance counties in the disasters for year 202X and the service areas of HAAAA. The rows marked FALSE were not Individual Assistance counties for any of the disasters in HAAAA.

Step 5, since the example contract HAAAA has service areas that coincide with disaster counties, it is not included in the list of contracts not affected.

Step 6, there are two separate enrollment periods associated with the disasters that match example contract HAAAA's service area. Those enrollment periods are 202X/09 & 202X/11. Columns for all enrollment periods are included in Table P-6, but only the valid enrollment periods contain the necessary data.

Step 7, the average enrollment is calculated for the included enrollment periods. The result of each average enrollment calculation for each county in the example contract's service area is shown in the final column of Table P-6.

Table P-6: Example Contract HAAAA's Service Areas and Enrollment during Relevant Disasters

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
06003	Alpine	CA	No	FALSE	8	-	8	8
06009	Calaveras	CA	No	FALSE	849	-	850	850
06011	Colusa	CA	No	FALSE	168	-	166	167
06015	Del Norte	CA	No	FALSE	369	-	360	364
06023	Humboldt	CA	No	FALSE	702	-	710	706
06045	Mendocino	CA	No	TRUE	428	-	429	428
06049	Modoc	CA	No	FALSE	157	-	158	158
06063	Plumas	CA	No	FALSE	182	-	181	182
06093	Siskiyou	CA	No	FALSE	798	-	800	799
06105	Trinity	CA	No	FALSE	150	-	150	150
48043	Brewster	TX	Yes	FALSE	16	-	15	16
48047	Brooks	TX	Yes	FALSE	28	-	27	28
48049	Brown	TX	Yes	FALSE	64	-	65	64
48057	Calhoun	TX	Yes	TRUE	28	-	28	28
48093	Comanche	TX	Yes	FALSE	33	-	32	32
48103	Crane	TX	Yes	FALSE	8	-	8	8
48109	Culberson	TX	Yes	FALSE	3	-	3	3
48123	DeWitt	TX	Yes	TRUE	26	-	26	26
48131	Duval	TX	Yes	FALSE	30	-	28	29
48133	Eastland	TX	Yes	FALSE	64	-	62	63

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 202X/09	Enrolled 202X/10	Enrolled 202X/11	Average Enrollment
48143	Erath	TX	Yes	FALSE	61	-	59	60
48163	Frio	TX	Yes	FALSE	43	-	42	42
48171	Gillespie	TX	Yes	FALSE	17	-	17	17
48175	Goliad	TX	Yes	TRUE	18	-	18	18
48177	Gonzales	TX	Yes	TRUE	41	-	41	41
48237	Jack	TX	Yes	FALSE	35	-	34	34
48239	Jackson	TX	Yes	TRUE	30	-	30	30
48255	Karnes	TX	Yes	TRUE	19	-	19	19
48265	Kerr	TX	Yes	FALSE	85	-	86	86
48283	La Salle	TX	Yes	FALSE	25	-	25	25
48297	Live Oak	TX	Yes	FALSE	24	-	24	24
48301	Loving	TX	Yes	FALSE	0	-	0	0
48311	McMullen	TX	Yes	FALSE	4	-	4	4
48321	Matagorda	TX	Yes	TRUE	144	-	140	142
48323	Maverick	TX	Yes	FALSE	160	-	156	158
48371	Pecos	TX	Yes	FALSE	20	-	21	20
48377	Presidio	TX	Yes	FALSE	50	-	49	50
48389	Reeves	TX	Yes	FALSE	8	-	8	8
48391	Refugio	TX	Yes	TRUE	21	-	21	21
48443	Terrell	TX	Yes	FALSE	9	-	9	9
48463	Uvalde	TX	Yes	FALSE	13	-	10	12
48469	Victoria	TX	Yes	TRUE	158	-	154	156
48475	Ward	TX	Yes	FALSE	15	-	15	15
48495	Winkler	TX	Yes	FALSE	20	-	20	20

Step 8, sum the average enrollment from all rows from Table P-6. The total comes out to 5,120 for contract HAAAA.

Step 9, sum the average enrollment from all the rows from Table P-6 where the Individual Assistance counties is TRUE for contract HAAAA. The Individual Assistance total comes out to 909.

Step 10, calculate the final percentage for contract HAAAA. $(909 / 5,120) * 100 = 17.753906 = 18\%$. Both flags for $\geq 25\%$ and $\geq 60\%$ are set to false since the example contract did not meet those thresholds.

Attachment Q: Missing Data Messages

CMS uses a standard set of messages in the Star Ratings when there are no numeric data available for a contract. This attachment provides the rules for assignment of those messages in each level of the Star Ratings.

Measure level messages

Table Q-1 contains all of the possible messages that could be assigned to missing data at the measure level.

Table Q-1: Measure level missing data messages

Message	Measure Level
Coming Soon	Used for all measures in MPF between Oct 1 and when the actual Star Rating data go live
Medicare shows only a Star Rating for this topic	Used in the numeric data for the Part C & D improvement measures in MPF and Plan Preview 2
Not enough data available	There were data for the contract, but not enough to pass the measure exclusion rules
CMS identified issues with this plan's data	Data were materially biased, erroneous and/or not reported by a contract required to report
Not Applicable	Used in the numeric data for the improvement measures in Plan Preview 1. In the HPMS Measure Star Page when a measure does not apply for a contract. When a Disenrollment Reasons Survey measure does not apply to the contract type.
Benefit not offered by plan	The contract was required to report this HEDIS measure but doesn't offer the benefit to members
Plan too new to be measured	The contract is too new to have submitted measure data
No data available	There were no data for the contract included in the source data for the measure
Plan too small to be measured	The contract had data but did not have enough enrollment to pass the measure exclusion rules
Plan not required to report measure	The contract was not required to report the measure

Assignment rules for Part C measure messages

Part C uses a set of rules for assigning the missing data message that varies by the data source. The rules for each data source are defined below.

Appeals (IRE) measures (C26 & C27):

Has CMS identified issues with the contract's data?

Yes: Display message: CMS identified issues with this plan's data

No: Is there a valid numeric measure rate?

Yes: Display the numeric measure rate

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (C03, C17, C18, C19, C20, C21, & C22):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2021?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost, MSA, or Employer/Union Only Direct Contract PDP?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (C23):

Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2021?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

HEDIS measures (C01, C02, C06 – C12, C15 & C16):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2021?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: What is the status?

NA: Display message: Not enough data available

R: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

HEDIS SNP measures (C06 & C07):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2023?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Is there a valid HEDIS measure numeric rate?

Yes: What is the status?

NA: Display message: Not enough data available

R: Display the HEDIS measure numeric rate

No: Display message: No data available

HEDIS-HOS measures (C04, C13, & C14):

Is there a valid HEDIS-HOS numeric rate?

Yes: Display the HEDIS-HOS numeric rate

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Is the contract enrollment < 500?

Yes: Display message: Plan too small to be measured

No: Is there a HEDIS-HOS rate code?

Yes: Assign message according to value below:

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

No: Display message: No data available

Members Choosing to Leave the Plan (C24):

Is there a valid numeric voluntary disenrollment rate?

Yes: Display the numeric voluntary disenrollment rate

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Plan Reporting SNP measure (C05):

Is the organization type (1876 Cost, PFFS, MSA) or is SNP not offered in 2023?

Yes: Display message: Plan not required to report measure

No: Is there a valid Plan Reporting numeric rate?

Yes: Display the Plan Reporting numeric rate

No: Were there Data Issues Found?

Yes: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: No data available

Improvement (Star Ratings) measure (C25):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (D05, D06):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2021?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Call Center – Foreign Language Interpreter and TTY Availability measure (D01):

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2022?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (D02):

Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2021?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

Improvement (Star Ratings) measure (D04):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Members Choosing to Leave the Plan (D03):

Is there a valid numeric voluntary disenrollment rate?

Yes: Display the numeric voluntary disenrollment rate

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

MPF Price Accuracy measure (D07):

Is the contract effective date > 9/30/2021?

Yes: Display message: Plan too new to be measured

No: Does contract have at least 30 claims over the measurement period for the price accuracy index?

Yes: Display the numeric price accuracy rate

No: Is the organization type 1876 Cost and does not offer Drugs?

Yes: Display message: Plan not required to report measure

No: Display message: Not enough data available

Patient Safety measures – Adherence (D08 - D10) & SUPD (D12):

Does the contract offer Part D?

Yes: Is the contract effective date > 12/31/2021?

Yes: Display message: Plan too new to be measured

No: Does contract have 30 or fewer enrolled beneficiary member years (measure denominator)?

Yes: Display message: Not enough data available

No: Display numeric measure percentage

No: Plan not required to report measure

Patient Safety measure – MTM CMR (D11)

Is the contract effective date > 12/31/2021?

Yes: Display message: Plan too new to be measured

No: Is Part D offered?

Yes: Is there a numeric rate?

Yes: Display numeric measure percentage

No: Is there a Reason(s) for Display Message?

Yes: Display appropriate message per table Q-2

No: Display message: Plan not required to report measure

Table Q-2: MTM CMR Reason(s) for Display Message conversion

Reason(s) for Display Message	Star Ratings Message
Contract failed to submit file and pass system validation by the reporting deadline	CMS identified issues with this plan's data
Contract did not pass element-level DV for at least one element	CMS identified issues with this plan's data
Contract had missing score on MTM section DV	CMS identified issues with this plan's data
Contract scored less than 95% on MTM section DV	CMS identified issues with this plan's data
Contract had all plans terminate by validation deadline	No data available
Contract had no MTM enrollees to report	No data available
Contract has 0 Part D enrollees	No data available
Contract had 30 or fewer beneficiaries meeting denominator criteria	Not enough data available
Contract not required to submit MTM program	Not required to report

Domain, Summary, and Overall level messages

Table Q-3 contains all of the possible messages that could be assigned to missing data at the domain, summary, and overall levels.

Table Q-3: Domain, Summary, and Overall level missing data messages

Message	Domain Level	Summary & Overall Level
Coming Soon	Used for all domain ratings in MPF between Oct 1 and when the actual Star Rating data go live	Used for all summary and overall ratings in MPF between Oct 1 and when the actual Star Rating data go live
Not enough data available	The contract did not have enough rated measures to calculate the domain rating	The contract did not have enough rated measures to calculate the summary or overall rating
Plan too new to be measured	The contract is too new to have submitted measure data for a domain rating to be calculated	The contract is too new to have submitted data to be rated in the summary or overall levels

Assignment rules for Part C & Part D domain rating level messages

Part C & D domain message assignment rules:

Is there a numeric domain star?

Yes: Display the numeric domain star

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part C & Part D summary rating level messages

Part C & D summary rating message assignment rules:

Is there a numeric summary rating star?

Yes: Display the numeric summary rating star

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Overall rating message assignment rules:

Is there a numeric overall rating star?

Yes: Display the numeric overall rating star

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Disenrollment Reasons messages

The 2023 Star Ratings posted to the CMS downloadable Master Table and HPMS includes data collected from the Disenrollment Reasons Survey (DRS). The DRS data was not used at any point in the calculation of the Star Ratings. The data are provided for information only at this time and are shown in HPMS with the Star Ratings data and on the display page at <http://go.cms.gov/partcanddstarratings>.

Because there are instances where a contract does not have data to display, a set of rules was developed to assign messages where data was missing so the data area would not be left blank.

Table Q-4 contains all of the possible messages that could be assigned to missing data in the disenrollment reason data displayed in HPMS.

Table Q-4: Disenrollment Reason missing data messages

Message	Meaning
Not Applicable	Used when the DRS measure does not apply to the contract type
Not Available	Used when there is no numeric data available or data reliability indicated the value should be suppressed
Plan too new to be measured	The contract is too new for data to be collected for the measure

Disenrollment Reasons message assignment rules:

Is the contract effective date > 1/1/2021?

Yes: Display message: Plan too new to be measured

No: Is there numeric data for the contract in this DRS measure?

Yes: Did the data reliability check indicate the data should be suppressed?

Yes: Display message: Not Available

No: Display the numeric DRS rate

No: Does the DRS measure apply to the organization type

Yes: Display message: Not Available

No: Display message: Not Applicable

Attachment R: Glossary of Terms

AEP	The annual period from October 15 until December 7 when a Medicare beneficiary can enroll into a Medicare Part C or D plan or re-enroll into their existing Medicare Part C or D Plan or change into another Medicare plan is known as the Annual Election Period (AEP). The chosen Medicare Part C or D plan coverage begins on January 1 st .
C-SNP	Chronic Condition Special Needs Plans (C-SNPs) are SNPs that restrict enrollment to special needs individuals with specific severe or disabling chronic conditions, defined in 42 CFR 422.2.
CAHPS	The term CAHPS refers to a comprehensive and evolving family of surveys that ask consumers and patients to evaluate the interpersonal aspects of health care. CAHPS surveys probe those aspects of care for which consumers and patients are the best and/or only source of information, as well as those that consumers and patients have identified as being important. CAHPS initially stood for the Consumer Assessment of Health Plans Study, but as the products have evolved beyond health plans, the acronym now stands for Consumer Assessment of Healthcare Providers and Systems.
CCP	A Coordinated Care Plan (CCP) is a health plan that includes a network of providers that are under contract or arrangement with the organization to deliver the benefit package approved by CMS. The CCP network is approved by CMS to ensure that all applicable requirements are met, including access and availability, service area, and quality requirements. CCPs may use mechanisms to control utilization, such as referrals from a gatekeeper for an enrollee to receive services within the plan, and financial arrangements that offer incentives to providers to furnish high quality and cost-effective care. CCPs include HMOs, PSOs, local and regional PPOs, and senior housing facility plans. SNPs can be offered under any type of CCP that meets CMS's requirements.
Cohort	A cohort is a group of people who share a common designation, experience, or condition (e.g., Medicare beneficiaries). For the HOS, a cohort refers to a random sample of Medicare beneficiaries that is drawn from each Medicare Advantage Organization (MAO) with a minimum of 500 enrollees and surveyed every spring (i.e., a baseline survey is administered to a new cohort each year). Two years later, the baseline respondents are surveyed again (i.e., follow up measurement). For data collection years 1998-2006, the MAO sample size was 1,000. Effective 2007, the MAO sample size was increased to 1,200.
Cost Plan	A plan operated by a Health Maintenance Organization (HMO) or Competitive Medical Plan in accordance with a cost reimbursement contract under §1876(h) of the Act. In the Star Ratings, CMS classifies a Cost Plan not offering Part D as MA-Only and a Cost Plan offering Part D as MA-PD.
D-SNP	Dual Eligible Special Needs Plans (D-SNPs) enroll individuals who are entitled to both Medicare (title XVIII) and medical assistance from a state plan under Medicaid (title XIX). States cover some Medicare costs, depending on the state and the individual's eligibility.
Disability Status	Based on the original reason for entitlement for Medicare.
Dual eligibles	Individuals who are entitled to Medicare Part A and/or Part B and are eligible for some form of Medicaid benefit.

Euclidean distance	The absolute value of the difference between two points, x-y.
HEDIS	The Healthcare Effectiveness Data and Information Set (HEDIS) is a widely used set of performance measures in the managed care industry, developed and maintained by the National Committee for Quality Assurance (NCQA).
HOS	The Medicare Health Outcomes Survey (HOS) is the first patient reported outcomes measure used in Medicare managed care. The goal of the Medicare HOS program is to gather valid, reliable, and clinically meaningful health status data in the Medicare Advantage (MA) program for use in quality improvement activities, pay for performance, program oversight, public reporting, and improving health. All managed care organizations with MA contracts must participate.
I-SNP	Institutional Special Needs Plans (I-SNPs) are SNPs that restrict enrollment to institutionalized special needs individuals defined in 42 CFR 422.2.
IRE	The Independent Review Entity (IRE) is an independent entity contracted by CMS to review Medicare health and drug plans' adverse reconsiderations of organization determinations.
LIS	The Low Income Subsidy (LIS) from Medicare provides financial assistance for beneficiaries who have limited income and resources. Those who receive the LIS get help paying for their monthly premium, yearly deductible, prescription coinsurance, and copayments and they will have no gap in coverage.
LIS/DE	Beneficiaries who qualify at any point in the year for a low income subsidy through the application process and/or who are full or partial Dual (Medicare and Medicaid) beneficiaries.
MA	A Medicare Advantage (MA) organization is a public or private entity organized and licensed by a State as a risk-bearing entity (with the exception of provider-sponsored organizations receiving waivers) that is certified by CMS as meeting the MA contract requirements.
MA-Only	An MA organization that does not offer Medicare prescription drug coverage.
MA-PD	An MA organization that offers Medicare prescription drug coverage and Part A and Part B benefits in one plan.
MSA	Medicare Medical Savings Account (MSA) plans combine a high deductible MA plan and a medical savings account (which is an account established for the purpose of paying the qualified medical expenses of the account holder).
Percentage	A part of a whole expressed in hundredths. For example, a score of 45 out of 100 possible points is the same as 45%.
Percentile	The value below which a certain percent of observations fall. For example, a score equal to or greater than 97 percent of other scores attained on the same measure is said to be in the 97th percentile.
PDP	A Prescription Drug Plan (PDP) is a stand-alone drug plan, offered by insurers and other private companies to beneficiaries who receive their Medicare Part A and/or B benefits either through the Original Medicare Plan, Medicare Private Fee-for-Service Plans that do not offer prescription drug coverage, or Medicare Cost Plans that do not offer Medicare prescription drug coverage.

PFFS

Private Fee-for-Service (PFFS) is defined as an MA plan that pays providers of services at a rate determined by the plan on a fee-for-service basis without placing the provider at financial risk; does not vary the rates for a provider based on the utilization of that provider's services; and does not restrict enrollees' choices among providers who are lawfully authorized to provide services and agree to accept the plan's terms and conditions of payment. The Medicare Improvements for Patients and Providers Act (MIPPA) added that although payment rates cannot vary based solely on utilization of services by a provider, a PFFS plan is permitted to vary the payment rates for a provider based on the specialty of the provider, the location of the provider, or other factors related to the provider that are not related to utilization. Furthermore, MIPPA also allows PFFS plans to increase payment rates to a provider based on increased utilization of specified preventive or screening services. See section 30.4 of the Medicare Managed Care Manual Chapter 1 for further details on PFFS plans.

Reliability

A measure of the fraction of the variation among the observed measure values that is due to real differences in quality ("signal") rather than random variation ("noise"). On a scale from 0 (all differences among plans are due to randomness of sampling) to 1 (every plan's quality is measured with perfect accuracy).

SNP

A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. A special needs individual could be any one of the following: 1) an institutionalized individual, 2) a dual eligible beneficiary, or 3) an individual with a severe or disabling chronic condition, as specified by CMS. A SNP may be any type of MA CCP. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP).

Sponsor

An entity that sponsors a health or drug plan.

Statistical Significance

Statistical significance assesses how likely differences observed are due to chance when plans are actually the same. CMS uses statistical tests (e.g., t-test) to determine if a contract's measure value is statistically significantly greater or less than the national average for that measure, or whether conversely the observed differences from the national average could have arisen by chance.

Sum of Squares

Method used to measure variation or deviation from the mean.

TTY

A teletypewriter (TTY) is an electronic device for text communication via a telephone line, used when one or more of the parties has hearing or speech difficulties.

Very Low Reliability

For CAHPS, an indication that reliability is less than 0.6, indicating that 40% or more of observed variation is due to random noise.

This attachment is designed to assist reviewers of the data displayed in HPMS (<https://hpms.cms.gov>) to understand the various pages and fields shown in the HPMS Star Ratings module. This module employs standard HPMS user access rights so that users can only see contracts associated with their user id.

HPMS Star Ratings Module

The HPMS Star Ratings module contains the Part C & Part D data and stars for all contracts that were rated in the ratings year along with much of the detailed data that went into the various calculations. To access the Star Ratings module you must be logged into HPMS. If you do not have access to HPMS, information on how to obtain access can be found here: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/HPMS/Overview.html>

Once you are logged into HPMS, from the home page, select *Performance Metrics* from the *Quality and Performance* menu; the Performance Metrics page will be displayed. If you do not see *Performance Metrics*, your user id does not have the correct access permissions; please contact CMSHPMS_Access@cms.hhs.gov

From the Performance Metrics page, select *Reports* and then *Star Ratings and Display Measures* from the left side menu. The *Star Ratings and Display Measures* home page will be displayed.

On the *Star Ratings and Display Measures* home page, select *Star Ratings* as the Report Type and select a reporting period. The remainder of this attachment describes the HPMS pages available for the 2023 Star Ratings.

1. Measure Data page

The Measure Data page displays the numeric data for all Part C and Part D measures. This page is available during the first plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measures which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain name. The row immediately below the measure information contains the data time frame of the measure. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-1 below shows a sample of the left hand most columns shown in HPMS.

Table S-1: Measure Data page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines		
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
				01/01/2021 - 12/31/2021	01/01/2021 - 12/31/2021	03/2022 - 06/2022
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	73%	81%
HCCCC	Market C	Contract C	PO C	63%	71%	80%

2. Measure Detail page

The Measure Detail page contains the underlying data used for the Part C and Part D Complaints (C23/D02) and Part C Appeals measures (C26 & C27). This page is available during the first plan preview. Table S-2 below explains each of the columns displayed on this page.

Table S-2: Measure Detail page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Number of Complaints	Number of non-excluded complaints for the contract
Complaint Average Enrollment	The average enrollment used in the final calculation
Complaints Less Than 800 Enrolled	Yes / No, Yes = average enrollment < 800, No = average enrollment ≥ 800
Part C Total Appeals Cases	Total number of Part C appeals cases processed by the IRE (Maximus)
Part C Appeals Upheld	Number of Part C appeals which were upheld (unfavorable)
Part C Appeals Overturned	Number of Part C appeals which were overturned (favorable)
Part C Appeals Partly Overturned	Number of Part C appeals which were partially overturned (partially favorable)
Part C Appeals Dismissed	Number of Part C appeals which were dismissed
Part C Appeals Withdrawn	Number of Part C appeals which were withdrawn
Part C Late Appeals	Number of Part C appeals which Maximus considered to be late
Part C Percent of Timely Appeals	Percent of Part C appeals which were processed in a timely manner

3. Measure Detail – Part C Appeals page

The Measure Detail – Part C Appeals page contains the case-level data of the non-excluded cases used in producing the Part C Appeals measures Plan Makes Timely Decisions about Appeals (C26) and Reviewing Appeals Decisions (C27). The data displayed on this page reflect the state of the appeals case at the time the data were pulled for use in the 2023 Star Ratings. This page is available during the first plan preview. Table S-3 below explains each of the columns displayed on this page.

Table S-3: Measure Detail – Part C Appeals page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Appeal Number	The case ID assigned to the appeal request
Appeal Priority	The priority of the appeal (Std Pre-Service, Exp Pre-Service, Pre-Service B Drug, or Retro)
Status	The status of the appeal (Closed, Decided, Pending, Promoted, Remanded, Reopened, Requested)
Date Appeal Filed	The Date the Plan Reconsideration was requested, as reported by the Part C Plan
Corrected Appeal Date	The Date Appeal Filed, as determined by the IRE/QIC
Date File Received (QIC)	The Date the IRE/QIC received the Appeal from the Part C Plan
Level 1 Extension	Indicates if the contract took an extension during their processing of the reconsideration, as reported by the contract
Adjusted Plan Interval	Decision associated with the appeal: Dismiss Appeal, Dismissed – Plan Approved Coverage, Favorable (Overturn MCO Denial), Partially Favorable (Partly Overturn MCO Denial), Unfavorable (Uphold MCO Denial), Withdraw Appeal, Remand to Plan.
Appeal Decision	Decision associated with the appeal (Dismiss Appeal, Overturn MCO Denial, Partly Overturn MCO Denial, Unspecified, Uphold MCO Denial, Withdraw Appeal)
Late Indicator	Indicates if the appeal case was considered late or not (0=Not Late, 1=Late)

4. Measure Detail – SNP CM page

The Measure Detail – SNP CM page contains the underlying data used in calculating the Part C SNP Care Management measure (C05). The formulas used to calculate the SNP CM measure are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-4 below explains each of the columns displayed on this page.

Table S-4: Measure Detail – SNP CM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Number of new enrollees	Number of new SNP enrollees eligible for an initial assessment (Data Element A)
Number of enrollees eligible for an annual HRA	Number of SNP enrollees eligible for an annual reassessment (Data Element B)
Number of initial HRAs performed on new enrollees	Number of initial assessments performed on new SNP enrollees (Data Element C)
Number of annual reassessments performed	Number of annual reassessments performed on eligible SNP enrollees (Data Element F)
Total Number of SNP Enrollees Eligible	Final measure numerator (Data Elements A + B)
Total Number of Assessments Performed	Final measure denominator (Data Elements C + F)
Percent of Eligible SNP Enrollees Receiving an Assessment	Final measure score
Data Validation Score	The data validation score for the contract
Reason for Exclusion	Reason (if any) contract submitted data was not used to generate a score

5. Measure Detail – SNP COA page

The Measure Detail – SNP COA page contains the underlying data used in calculating the Part C HEDIS SNP Care for Older Adults measures (C06 & C07). The formulas used to calculate these SNP measures are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-5 below explains each of the columns displayed on this page and Table S-6 explains the HEDIS audit designations.

Table S-5: Measure Detail – SNP COA page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
PBP ID	The Plan Benefit Package number associated with the data
Eligible Population – MR	The Eligible population - Medication Review, entered by the contract into NCQA IDSS (Field: eligpopmr)
Eligible Population – PA	The Eligible population - Pain Assessment, entered by the contract into NCQA IDSS (Field: eligpopps)
Average Plan Enrollment	The average enrollment in the PBP during 2020 (see section Contract Enrollment Data)
COA – MR Rate	The COA Medication Review Rate calculated by the NCQA data submission tool (Field: ratemr)
COA – PA Rate	The COA Pain Assessment Rate calculated by the NCQA data submission tool (Field: ratesps)
COA - MR Audit Designation	The audit designation for the COA Medication Review Rate (the audit codes defined next table)
COA – PA Audit Designation	The audit designation for the COA Pain Assessment Rate (the audit codes defined next table)
COA – MR Status	The status for the COA Medication Review Rate
COA – PA Status	The status for the COA Pain Assessment Rate

Table S-6: HEDIS 2021 Audit Designations and 2023 Star Ratings

Audit Designation	NCQA Description	Resultant Star Rating
R	Reportable	Assigned 1 to 5 stars depending on reported value
BR	Biased Rate	1 star, numeric data set to "CMS identified issues with this plan's data"
NA	Small Denominator	"Not enough data available"
NB	No Benefit	"Benefit not offered by plan"
NR	Not Reported	1 star, numeric data set to "CMS identified issues with this plan's data"
NQ	Not Required	"Plan not required to report measure" (applies only to 1876 Cost in the PCRb measure)
UN	Un-Audited	Not possible in Star Ratings measures which only use audited data

6. Measure Detail – CTM page

The Measure Detail – CTM page contains the case level data of the non-excluded cases used in producing the Part C & Part D Complaints measure (C23/D02). This page is available during the first plan preview.

Table S-7 below explains each of the columns displayed on this page.

Table S-7: Measure Detail – CTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Complaint ID	The case number associated with the complaint in the HPMS CTM module
Complaint Category	The complaint category code
CMS Issue	Is the complaint designated as a CMS issue? (Yes/No)
Category	The complaint category description of CMS or plan lead
Subcategory	The complaint subcategory description associated with this case
Subcategory — Other	The complaint additional subcategory description associated with this case
Contract Assignment / Reassignment Date	The date that complaints are assigned or re-assigned to contracts

7. Measure Detail – Disenrollment

The Measure Detail – Disenrollment page contains data that are used in calculating the Part C & Part D disenrollment measure (C24/D03). The page shows the denominator, unadjusted numerator and original rate received from the MBDSS annual report. It also contains the adjusted numerator and final rate after all members meeting the measure exclusion criteria described in the measure description have been removed. This page is available during the first plan preview. Table S-8 below explains each of the columns displayed on this page.

Table S-8: Measure Detail – Disenrollment page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Number Enrolled	The number of all members in the contract from MBDSS annual report
Number Disenrolled	The number disenrolled with a disenrollment reason code of 11, 13, 14 or 99, from the MBDSS annual report
Original Rate	The disenrollment rate as calculated by the annual MBDSS report
Adjusted Disenrolled	The adjusted numerator when all members who meet the measure exclusion criteria are removed
Adjusted Rate	The final adjusted disenrollment rate used in the Star Ratings
>1000 Enrolled	Flag indicates contract non-employer group enrollment >1,000 members during the year or contracts that did not have any disenrollments meeting the inclusion criteria (True = Yes, False = No)

8. Measure Detail – DR (Disenrollment Reasons)

The Measure Detail – Disenrollment Reasons page contains the data from the Disenrollment Reasons Survey (DRS). The Disenrollment Reasons data are not used at any point in the calculations of the Star Ratings but are provided in HPMS for information only at this time. The data come from surveys sent to enrollees who disenrolled between 1/1/2021 and 12/31/2021. Scores are suppressed if they are measured with very low reliability (< 0.60) and not statistically different from the national mean. This page is available during the first plan preview. Table S-9 below explains each of the columns displayed on this page.

Table S-9: Measure Detail – Disenrollment Reasons page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
DR PGPPNC	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care (MA-PD, MA-Only)
DR PCDH	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)
DR FRD	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)
DR PPDBC	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)
DR PGIHP	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)

9. Measure Detail – MTM page

The Measure Detail – MTM page contains each contract's underlying denominator and numerator after measure specifications have been applied to the plan-reported validated data to calculate the Part D MTM Program Completion Rate for CMR (D11). The formulas used to calculate the MTM measure are detailed in [Attachment M](#). This page is available during the first plan preview. Table S-10 below explains each of the columns displayed on this page.

Table S-10: Measure Detail – MTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Part D Enrollees	The number of Part D enrollees in the contract (average monthly HPMS enrollment)
Total MTM Enrollees, All	The number of Part D enrollees enrolled in the contract's MTM program (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the MBI could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted, Adjusted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D plan-reported data) after measure specifications applied as detailed in Attachment M. (Measure Denominator)
Total MTM Enrollees, Targeted, Adjusted, Who Received a CMR	The number of beneficiaries from the denominator who received a CMR. (Measure Numerator)
MTM Program Completion Rate for CMR	The percent of MTM program enrollees who received a CMR. (Measure Numerator)/(Measure Denominator)
MTM Section Data Validation Score	Contract's score in data validation (DV) for their MTM Program Reporting Requirements data
Reason(s) for Display Message	Reason(s) for display message assignment (if applicable)

10. Measure Detail – CAHPS page

The Measure Detail – CAHPS page contains the underlying data used in calculating the Part C & D CAHPS measures: Annual Flu Vaccine (C03), Getting Needed Care (C17), Getting Appointments and Care Quickly (C18), Customer Service (C19), Rating of Health Care Quality (C20), Rating of Health Plan (C21), Care Coordination (C22), Rating of Drug Plan (D05), and Getting Needed Prescription Drugs (D06). This page is available during the first plan preview. Table S-11 below explains each of the columns displayed on this page.

Table S-11: Measure Detail – CAHPS page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
CAHPS Measure	The CAHPS measure identifier followed by the Star Ratings measure id in parenthesis
Reliability	The contract-level reliability of the measure data
Statistical Significance	The statistical significance of the measure data (Below Average, No Difference, Above Average)
Use N	The number of usable surveys with responses to the item, or at least one item of a composite
Mean Score on Original Scale	The mean score on the original survey response scale
Variance of Mean on Original Scale	The sampling variance of contract mean ("Mean score") on the original scale
Standard Error on Original Scale	The standard error of the contract mean ("Mean score") on the original scale; square root of "variance"
Scaled Mean	The contract mean score rescaled to a 0-100 scale
Scaled SE	The standard error of the 0-100 scaled mean
Base Group	Categories determined by the percentile cutoffs from the distribution of mean scores
Star Rating	Determined by the percentile cutoffs, statistical significance of the difference of the contract mean from the overall mean, the statistical reliability of the estimate, and standard error of the mean score

11. Calculation Detail – CSR

The Calculation Detail – CSR (Part C Scaled Reduction) page contains the underlying data used in calculating the reduction applied to the two Part C appeals measures. This page is available during the first plan preview. Table S-12 below explains the columns displayed on this page.

Table S-12: Measure Detail – Part C Scaled Reductions page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
TMP Time Period	The time period associated with the TMP data submission; a zero indicates contract did not submit data
Cases Not Forwarded to IRE	The number of cases not forwarded to the IRE in the TMP time period
Cases Forwarded to IRE	The number of cases forwarded to the IRE in the TMP time period
Total IRE Cases	The total number of cases that should have been forwarded to the IRE in the TMP time period
TMP data submitted	A flag that indicates whether the contract submitted TMP data (Yes/No)
Projected Cases	The projected number of cases not forwarded to the IRE in a three-month period
Calculated Error Rate	The Calculated Error Rate is the quotient of Cases Not forwarded to IRE and Total IRE cases
Lower Bound	Lower Bound of the Score Interval
Part C Appeals Reduction	Part C Appeals measures Star Ratings reduction due to IRE completeness issues

12. Calculation Detail – MD

The Calculation Detail – MD page contains the summary of service area and enrollment data used to calculate the percentages for use in the Major Disaster rules for the individual measures. This page is available during the first plan preview. Table S-13 below explains the columns displayed on this page.

Table S-13: Calculation Detail – MD page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Disaster Flag 2021	Indicates if the contract was affected by a 2021 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2021	The total number of counties in the contract's 2021 service area (SA)
Num Cnty IA 2021	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2021 disaster
IA Enrolled 2021	The number of members residing in the contract SA designated FEMA IA counties in a 2021 disaster
Total Enrolled 2021	The total number of members residing in the contract's 2021 SA
IA % 2021	The percent of members living in IA areas in a 2021 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2021	The percent of members living in IA areas in a 2021 disaster rounded to an integer
>25% 2021	Flag that indicates if the contract has met the 25% threshold for 2021 disasters (Yes: >= 25 %, No: <25%)
>60% 2021	Flag that indicates if the contract has met the 60% threshold for 2021 disasters (Yes: >= 60 %, No: <60%)
Disaster Flag 2020	Indicates if the contract was affected by a 2020 disaster or not (valid values "Affected", "Not Affected" or "Too New")
Total Cnty in SA 2020	The total number of counties in the contract's 2020 service area (SA)
Num Cnty IA 2020	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2020 disaster
IA Enrolled 2020	The number of members residing in the contract SA designated FEMA IA counties in a 2020 disaster
Total Enrolled 2020	The total number of members residing in the contract's 2020 SA
IA % 2020	The percent of members living in IA areas in a 2020 disaster (IA Enrolled)/(Total Enrolled)
IA % Rounded 2020	The percent of members living in IA areas in a 2020 disaster rounded to an integer
>=25% 2020	Flag that indicates if the contract has met the 25% threshold for 2020 disasters (Yes: >= 25 %, No: <25%)

13. Calculation Detail – CAI

The Calculation Detail – CAI page contains the enrollment data used to calculate the percentages for use in the Categorical Adjustment Index (CAI) to determine the Final Adjustment Categories for each of the summary and overall rating calculations. This page is available during the first plan preview. Table S-14 below explains the columns displayed on this page.

Table S-14: Measure Detail – CAI page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Puerto Rico Only	Does the contract's non-employer service area only cover Puerto Rico? Yes or No
Contract Type	The contract plan type used to compute the ratings
Part D Offered	Is Part D offered by the contract? Yes or No
Enrolled	The total number enrolled in the contract used to determine the % LIS/DE and % Disabled
Num LIS/DE	The number of LIS/DE enrolled in the contract
Num Disabled	The number of Disabled enrolled in the contract
% LIS/DE	The percent of LIS/DE in the contract
% Disabled	The percent Disabled in the contract
Part C LIS/DE Initial Group	The Part C LIS/DE initial group this contract is in
Part C Disabled Quintile	The Part C Disabled Quintile group this contract is in
Part C FAC	The Part C Final adjustment category this contract is in
Part C CAI Value	The CAI value that will be combined with the final Part C summary score prior to rounding to half stars
Part D MA-PD LIS/DE Initial Group	The Part D MA-PD LIS/DE initial group this contract is in
Part D MA-PD Disabled Quintile	The Part D MA-PD Disabled Quintile group this contract is in
Part D MA-PD FAC	The Part D MA-PD Final adjustment category this contract is in
Part D MA-PD CAI Value	The CAI value that will be combined with the final Part D MA-PD summary score prior to rounding to half stars
Part D PDP LIS/DE Quartile	The Part D PDP LIS/DE Quartile group this contract is in
Part D PDP Disabled Quartile	The Part D PDP Disabled Quartile group this contract is in
Part D PDP FAC	The Part D PDP Final adjustment category this contract is in
Part D PDP CAI Value	The CAI value that will be combined with the final Part D PDP summary score prior to rounding to half stars
Overall LIS/DE Initial Group	The overall LIS/DE initial group this contract is in
Overall Disabled Quintile	The overall disabled Quintile group this contract is in
Overall FAC	The overall final adjustment category this contract is in
Overall CAI Value	The CAI value that will be combined with the final overall score prior to rounding to half stars

14. Measure Detail – HEDIS LE page

The Measure Detail – HEDIS LE page contains the data used to calculate the reliability of the HEDIS measures (C01, C02, C08 – C12, C15 – C16) data for contracts with ≥ 500 and $< 1,000$ members enrolled in July of the measurement year (July 01, 2021). This page is available during the second plan preview. Table S-15 below explains each of the columns displayed on this page.

Table S-15: Measure Detail – HEDIS LE page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Measure ID	The Star Ratings measure that the other data on this row is associated with
Rate	The submitted HEDIS rate
Score	The rounded value used for the measure in the Star Ratings
Enrollment	The contract enrollment for July 2021
Reliability	The computed reliability for the contract measure
Usable	The computed reliability ≥ 0.7 and rate is used = True, reliability < 0.7 and rate was not used = False

15. Measure Detail – C MD Results

The Part C Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-16 below explains the columns displayed on this page.

Table S-16: Measure Detail – C MD Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2023 Star Ratings Part C measure ID
2022 Value	The numeric measure value for the contract from the 2022 Star Ratings
2022 Star	The measure star for the contract from the 2022 Star Ratings
2023 Value	The numeric measure value for the contract from the 2023 Star Ratings
2023 Star	The measure star for the contract from the 2023 Star Ratings
Final Value	The measure value to be used in the 2023 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2023 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

16. Measure Detail – D MD Results

The Part D Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-17 below explains the columns displayed on this page.

Table S-17: Measure Detail – D MD Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2023 Star Ratings Part D measure ID
2022 Value	The numeric measure value for the contract from the 2022 Star Ratings
2022 Star	The measure star for the contract from the 2022 Star Ratings
2023 Value	The numeric measure value for the contract from the 2023 Star Ratings
2023 Star	The measure star for the contract from the 2023 Star Ratings
Final Value	The measure value to be used in the 2023 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2023 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

17. Measure Detail – C Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part C measures. There is one column for each Part C measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part C measure columns which contains the final numeric Part C improvement score. This numeric result is described in [Attachment H](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part C measure calculations are shown in Table S-18 below.

Table S-18: Part C Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year
Low reliability and low enrollment	The low-enrollment contract measure score did not have sufficiently high reliability

18. Measure Detail – D Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part D measures. There is one column for each Part D

measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part D measure columns which contains the final numeric Part D improvement score. This numeric result is described in [Attachment H](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part D measure calculations are shown in Table S-19 below.

Table S-19: Part D Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year

19. Measure Stars page

The Measure Stars page displays the Star Rating for each Part C and Part D measure. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measure stars which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains the data time frame. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-20 below shows a sample of the left hand most columns shown in HPMS.

Table S-20: Measure Stars page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines		
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
				01/01/2021 - 12/31/2021	01/01/2021 - 12/31/2021	03/2022 - 06/2022
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	4	5
HCCCC	Market C	Contract C	PO C	3	4	5

20. Domain Stars page

The Domain Stars page displays the Star Rating for each Part C and Part D domain. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the domain stars which will display in MPF. There is one column for each of the Part C and Part D domains. The domain columns are identified by the domain id and domain name. All subsequent rows contain the stars

associated with an individual contract. Table S-21 below shows a sample of the left hand most columns shown in HPMS.

Table S-21: Domain Star page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines	HD2: Managing Chronic (Long Term) Conditions	HD3: Member Experience with Health Plan
HAAAA	Market A	Contract A	PO A	4	3	4
HBBBB	Market B	Contract B	PO B	3	3	3
HCCCC	Market C	Contract C	PO C	3	3	4

21. Part C Summary Rating page

The Part C Summary Rating page displays the Part C rating and data associated with calculating the final Part C summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-22 below explains each of the columns contained on this page.

Table S-22: Part C Summary Rating page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2020	The percentage of members living in an Individual Assistance area in 2020 rounded to an integer
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type.
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part C Summary FAC	Part C summary final adjustment category for the contract
CAI Value	The Part C summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part C summary rating come from the calculation using the improvement measure (C31)? (Yes/No)
CBP Measure Usage	Did the final Part C summary rating come from the calculation using the CBP measure (C12)? (Yes/No)
2023 Part C Summary Rating	The final rounded 2023 Part C Summary Rating

22. Part D Summary Rating page

The Part D Summary Rating page displays the Part D rating and data associated with calculating the final Part D summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-23 below explains each of the columns contained on this page.

Table S-23: Part D Summary Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
Major Disaster Percentage 2020	The percentage of members living in an Individual Assistance area in 2020 rounded to an integer
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part D Summary FAC	Part D summary final adjustment category for the contract
CAI Value	The Part D summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part D summary rating come from the calculation using the improvement measure (D06)? (Yes/No)
2023 Part D Summary Rating	The final rounded 2023 Part D Summary Rating

23. Overall Rating page

The Overall Rating page displays the overall rating for MA-PD contracts and data associated with calculating the final overall rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-24 below explains each of the columns contained on this page.

Table S-24: Overall Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage 2020	The percentage of members living in an Individual Assistance area in 2020 rounded to an integer
Major Disaster Percentage 2021	The percentage of members living in an Individual Assistance area in 2021 rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
2023 Part C Summary Rating	The 2023 Part C Summary Rating
2023 Part D Summary Rating	The 2023 Part D Summary Rating
Calculated Summary Mean	Contains the weighted mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Overall FAC	Overall final adjustment category for the contract
CAI Value	The Overall CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final overall rating come from the calculation using the improvement measures (C31 & D06)? (Yes/No)
CBP Measure Usage	Did the final overall rating come from the calculation using the CBP measure (C12)? (Yes/No)
2023 Overall Rating	The final 2023 Overall Rating

24. Low Performing Contract List

The Low Performing Contract List page displays the contracts that received a Low Performing Icon and the data used to calculate the assignment. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a Low Performing Icon. Table S-25 below explains each of the columns contained on this page.

Table S-25: Low Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
2021 C Summary	The 2021 Part C Summary Rating earned by the contract
2021 D Summary	The 2021 Part D Summary Rating earned by the contract

HPMS Field Label	Field Description
2022 C Summary	The 2022 Part C Summary Rating earned by the contract
2022 D Summary	The 2022 Part D Summary Rating earned by the contract
2023 C Summary	The 2023 Part C Summary Rating earned by the contract
2023 D Summary	The 2023 Part D Summary Rating earned by the contract
Reason for LPI	The combination of ratings that met the Low Performing Icon rules. Valid values are "Part C," "Part D," "Part C and D," & "Part C or D." See the section titled "Methodology for Calculating the Low Performing Icon" for details.

25. High Performing Contract List

The High Performing Contract List page displays the contracts that received a High Performing Icon. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a High Performing Icon. Table S-26 below explains each of the columns contained on this page.

Table S-26: High Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
Highest Rating	The highest level of rating that can be achieved for this organization, valid values are "Part C Summary," "Part D Summary," "Overall Rating"
Rating	The star value attained in the highest rating for the organization type

26. Technical Notes link

The Technical Notes link provides the user with a copy of the 2023 Star Ratings Technical Notes. A draft version of these technical notes is available during the first plan preview. The draft is then updated for the second plan preview, and then finalized when the ratings data have been posted to MPF. Other updates may occur to the technical notes if errors are identified outside of the plan preview periods and after MPF data release.

Left clicking on the Technical Notes link will open a new browser window which will display a PDF (portable document format) copy of the 2023 Star Ratings Technical Notes. Right clicking on the Technical Notes link will pop up a context menu which contains Save Target As...; clicking on this will allow the user to download and save a copy of the PDF document.

27. Medication NDC List

The Medication NDC List link provides the user a means to download a copy of the medication lists used for the Medication Adherence measures (D08 – D10) & SUPD (D12). This downloadable file is in Zip format and contains two Excel files.

28. Part C and Part D Example Measure Data

The Part C and Part D Example Measure Data link provides the user with a means to download a copy of the data for the Breast Cancer Screening Part C measure and the MTM Program Completion Rate for CMR Part D measure for the full set of contracts used to calculate the cut points. The data are de-identified such that individual contract's data cannot be determined. The data include the measure value, a flag for

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contracts that had data issues, and two flags identifying contracts with ≥ 25 percent and ≥ 60 percent of enrollees living in an area affected by a disaster. There is also a flag in the Part D measure file identifying contracts as MAPD or PDP. This downloadable is in Zip format and contains two Excel files.



Medicare 2022 Part C & D Star Ratings Technical Notes

Document Change Log

Previous Version	Description of Change	Revision Date

OMB Approved Data Sources

The data collected for the Part C & D Star Ratings come from a variety of different data sources approved under the following Office of Management and Budget (OMB) Paperwork Reduction Act numbers:

Data Source	OMB Number
Consumer Assessment of Healthcare Providers and Systems (CAHPS) Surveys	0938-0732
Health Outcomes Survey (HOS)	0938-0701
Healthcare Effectiveness Data and Information Set (HEDIS)	0938-1028
Part C Reporting Requirements	0938-1054
Part D Reporting Requirements	0938-0992
Data Validation of Part C/D Reporting Requirements data	0938-1115

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Introduction

CMS created the Part C & D Star Ratings to provide quality and performance information to Medicare beneficiaries to assist them in choosing their health and drug services during the annual fall open enrollment period. We refer to them as the ‘2022 Medicare Part C & D Star Ratings’ because they are posted prior to the 2022 open enrollment period.

This document describes the methodology for creating the Part C & D Star Ratings displayed on the Medicare Plan Finder (MPF) at <http://www.medicare.gov/> and posted on the CMS website at <http://go.cms.gov/partcanddstarratings>. A Glossary of Terms used in this document can be found in [Attachment R](#).

The Star Ratings data are also displayed in the Health Plan Management System (HPMS). In the HPMS the data can be found by selecting: “Quality and Performance,” then “Performance Metrics,” then “Reports,” then “Star Ratings and Display Measures,” then “Star Ratings” for the report type, and “2022” for the report period. See [Attachment S](#): Health Plan Management System Module Reference for descriptions of the HPMS pages.

The Star Ratings Program is consistent with the “Meaningful Measures” framework which focuses on the highest priority areas for quality measurement and improvement, including promote effective communication and coordination of care; promote effective prevention and treatment of chronic disease; work with communities to promote best practices of healthy living; make care affordable; make care safer by reducing harm caused by the delivery of care; and strengthen person and family engagement as partners in their care. The Star Ratings include measures applying to the following five broad categories:

- Outcomes: Outcome measures reflect improvements in a beneficiary’s health and are central to assessing quality of care.
- Intermediate outcomes: Intermediate outcome measures reflect actions taken which can assist in improving a beneficiary’s health status. Diabetes Care – Blood Sugar Controlled is an example of an intermediate outcome measure where the related outcome of interest would be better health status for beneficiaries with diabetes.
- Patient experience: Patient experience measures reflect beneficiaries’ perspectives of the care they received.
- Access: Access measures reflect processes and issues that could create barriers to receiving needed care. Plan Makes Timely Decisions about Appeals is an example of an access measure.
- Process: Process measures capture the health care services provided to beneficiaries which can assist in maintaining, monitoring, or improving their health status.

Differences between the 2021 Star Ratings and 2022 Star Ratings

There have been several changes between the 2021 Star Ratings and the 2022 Star Ratings. This section provides a synopsis of the notable differences; the reader should examine the entire document for full details about the 2022 Star Ratings. A table with the complete history of measures used in the Star Ratings can be found in [Attachment I](#).

- Changes
 - a. For 2022 Star Ratings, the underlying data for HEDIS and CAHPS measures will resume use of the most recent data.
 - b. Mean resampling was added to the hierarchical clustering methodology that is used to set cut points for non-CAHPS measures.
 - c. Re-specified MPF Price Accuracy measure moved into the 2022 Star Ratings as a new measure.
 - d. For 2022 Star Ratings only, expanded the existing improvement measure hold harmless provision to all contracts at the overall and summary rating levels.

- e. For 2022 Star Ratings only, modify the disaster policy to remove application of the 60% rule and avoid the exclusion of contracts with 60% or more of their enrollees living in FEMA-designated Individual Assistance areas from calculation of the non-CAHPS measure-level cut points and calculation of the Reward Factor.

- Transitioned measures (Moved to the display page on the CMS website:
<http://go.cms.gov/partcanddstarratings>)

- 1) Part C measure – Care of Older Adults – Functional Status Assessment was temporarily moved to the display page for the 2022 and 2023 Star Ratings because NCQA made substantive changes to the measure specification.
 - 2) For the 2022 and 2023 Star Ratings, *Improving or Maintaining Physical Health* and *Improving or Maintaining Mental Health* will be moved to the display page on CMS.gov due to validity concerns related to the COVID-19 public health emergency.
- Retired measures
 - a. Part C measure – Adult BMI Assessment
 - b. Part D measure – Appeals Auto-Forward
 - c. Part D measure – Appeals Upheld

Health/Drug Organization Types Included in the Star Ratings

All health and drug plan quality and performance measure data described in this document are reported at the contract/sponsor level. Table 1 lists the contract year 2022 organization types and whether they are included in the Part C and/or Part D Star Ratings.

Table 1: Contract Year 2022 Organization Types Reported in the 2022 Star Ratings

Organization Type	Technical Notes Abbreviation	Medicare Advantage (MA)	Can Offer SNPs	Part C Ratings	Part D Ratings
1876 Cost	1876 Cost	No	No	Yes	Yes (if drugs offered)
Demonstration (Medicare-Medicaid Plan) †	MMP	No	No	No	No
Demonstration (Person Centered Community Care)	PCCC	No	No	No	No
Employer/Union Only Direct Contract Local Coordinated Care Plan (CCP)	CCP	Yes	No	Yes	Yes
Employer/Union Only Direct Contract Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Employer/Union Only Direct Contract Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
HCPP 1833 Cost	HCPP	No	No	No	No
Local Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Medical Savings Account (MSA)	MSA	Yes	No	Yes	No
National PACE	PACE	No	No	No	No
Medicare Prescription Drug Plan (PDP)	PDP	No	No	No	Yes
Private Fee-for-Service (PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)
Regional Coordinated Care Plan (CCP)	CCP	Yes	Yes	Yes	Yes
Religious Fraternal Benefit Private Fee-for-Service (RFB PFFS)	PFFS	Yes	No	Yes	Yes (if drugs offered)

† Note: The measure scores are displayed in HPMS only during the first plan preview. Data from these organizations are not used in calculating the Part C & D Star Ratings.

The Star Ratings Framework

The Star Ratings are based on health and drug plan quality and performance measures. Each measure is reported in two ways:

Score: A score is either a numeric value or an assigned 'missing data' message.

The measure Star Ratings are combined into three groups and each group is assigned 1 to 5 stars. The three groups are:

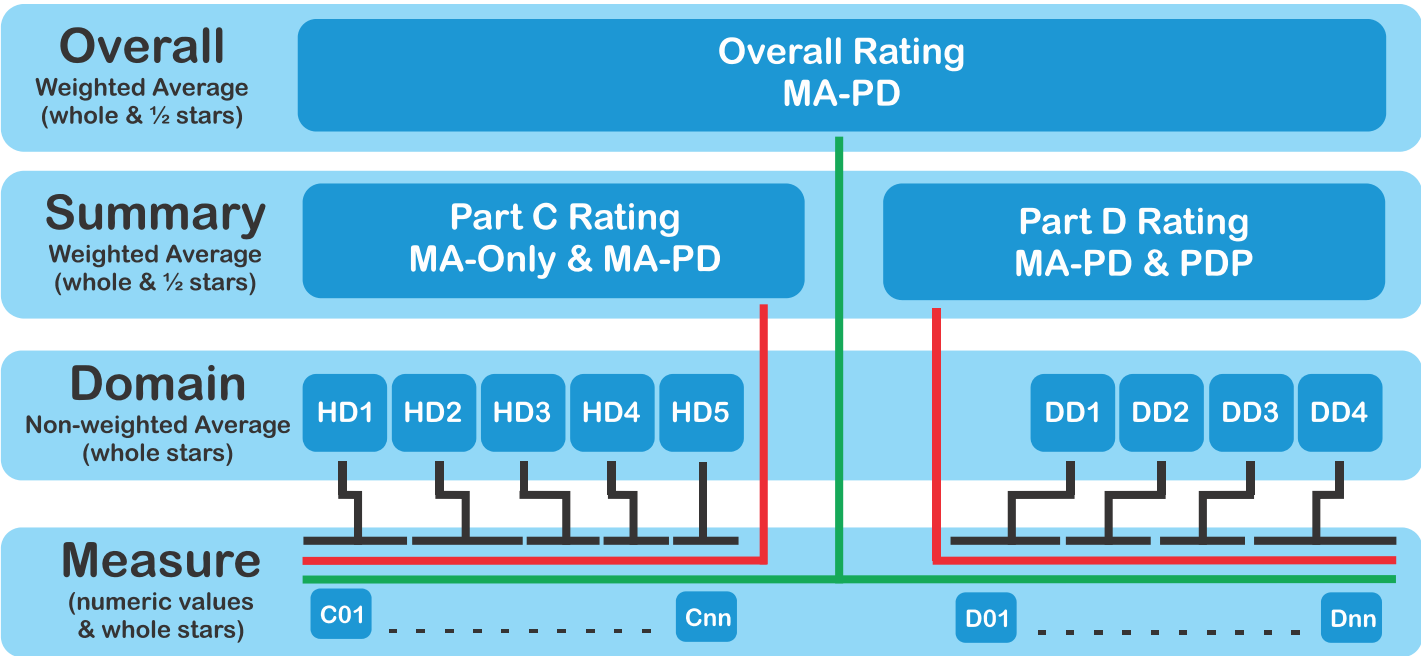
Domain: Domains group together measures of similar services. Star Ratings for domains are calculated using the non-weighted average Star Ratings of the included measures.

Summary: Part C measures are grouped to calculate a Part C Rating; Part D measures are grouped to calculate a Part D Rating. Summary ratings are calculated from the weighted average Star Ratings of the included measures.

Overall: For MA-PDs, all unique Part C and Part D measures are grouped to create an overall rating. The overall rating is calculated from the weighted average Star Ratings of the included measures.

Figure 1 shows the four levels of Star Ratings that are calculated and reported publicly.

Figure 1: The Four Levels of Star Ratings



The whole star scale used at the measure and domain levels is shown in Table 2.

Table 2: 5-Star Scale

Numeric	Graphic	Description
5	★★★★★	Excellent
4	★★★★☆	Above Average
3	★★★☆☆	Average
2	★★☆☆☆	Below Average
1	★☆☆☆☆	Poor

To allow for more variation across contracts, CMS assigns half stars to the summary and overall ratings.

As different organization types offer different benefits, CMS classifies contracts into three contract types. The highest level Star Rating differs among the contract types because the set of required measures differs by contract type. Table 3 clarifies how CMS classifies contracts for purposes of the Star Ratings and indicates the highest rating available for each organization type.

Table 3: Relation of 2022 Organization Types to Contract Types and Highest Rating in the 2022 Star Ratings

Organization Type	1876 Cost (no drugs) †	1876 Cost (offers drugs) †	CCP	MSA	PDP	PFFS (no drugs)	PFFS (offers drugs)
Rated As	MA-Only	MA-PD	MA-PD	MA-Only	PDP	MA-Only	MA-PD
Highest Rating	Part C rating	Overall Rating	Overall Rating	Part C Rating	Part D Rating	Part C Rating	Overall Rating

† Note: While 1876 contracts are not MA contracts, for the purposes of determining the highest rating they are considered to be rated as either “MA-only” or “MA-PD” depending on whether they offer drugs.

Sources of the Star Ratings Measure Data

The 2022 Star Ratings include a maximum of 9 domains comprised of a maximum of 40 measures.

- MA-Only contracts are measured on 5 domains with a maximum of 28 measures.
- PDPs are measured on 4 domains with a maximum of 12 measures.
- MA-PD contracts are measured on all 9 domains with a maximum of 40 measures, 38 of which are unique measures. Two of the measures are shown in both Part C and Part D so that the results for a MA-PD contract can be compared to an MA-Only contract or a PDP contract. Only one instance of those two measures is used in calculating the overall rating. The two duplicated measures are Complaints about the Health/Drug Plan (CTM) and Members Choosing to Leave the Plan (MCLP).

For a health and/or drug plan to be included in the Part C & D Star Ratings, they must have an active contract with CMS to provide health and/or drug services to Medicare beneficiaries. All of the data used to rate the plan are collected through normal contractual requirements or directly from CMS systems. Information about Medicare Advantage contracting can be found at: <https://www.cms.gov/Medicare/Medicare-Advantage/MedicareAdvantageApps/index.html> and Prescription Drug Coverage contracting at: <https://www.cms.gov/Medicare/Prescription-Drug-coverage/PrescriptionDrugCovContra/index.html>.

The data used in the Star Ratings come from four categories of data sources which are shown in Figure 2.



Improvement Measures

Unlike the other Star Rating measures which are derived from data sources external to the Star Ratings, the Part C and Part D improvement measures are derived through comparisons of a contract's current and prior year measure scores. For a measure to be included in the improvement calculation the measure must not have had a significant specification change during those years. The Part C improvement measure includes only Part C measure scores and the Part D improvement measure includes only Part D measure scores. The measures and formulas for the improvement measure calculations are found in [Attachment H](#).

The numeric results of these calculations are not publicly posted; only the measure ratings are reported publicly. Further, to receive a Star Rating in the improvement measures, a contract must have measure scores for both years in at least half of the required measures used to calculate the Part C improvement or Part D improvement measures. Improvement scores are not calculated for reconfigured regional contracts until data is available for the reconfigured structure from both years. Table 5 presents the minimum number of measure scores required to receive a rating for the improvement measures.

Table 4: Minimum Number of Measure Scores Required for an Improvement Measure Rating by Contract Type

Part	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	11 of 22	12 of 24	14 of 27	10 of 19	12 of 23	N/A	12 of 24
D	5 of 9*	5 of 10	5 of 10	4 of 8	N/A	5 of 10	5 of 10*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

For a detailed description of all Part C and Part D measures, see the section entitled "Framework and Definitions for the Domain and Measure Details."

Contract Enrollment Data

The enrollment data used in the Part C and Part D "Complaints about the Health/Drug Plan" measures are pulled from the HPMS. These enrollment files represent the number of enrolled beneficiaries the contract was paid for in a specific month. For these measures, twelve months of enrollment files are pulled (January 2020 through December 2020) and the average enrollment across those months is used in the calculations.

Enrollment data are also used when combining the plan-level data into contract-level data in the three Part C "Care for Older Adults" Healthcare Effectiveness Data and Information Set (HEDIS) measures. (For 2022 and 2023 Star Ratings, "The Care of Older Adults – Functional Status Assessment" measure has been moved to the display page). When there is a reported rate, the eligible population in the plan benefit package (PBP) submitted with the HEDIS data is used. If the audit designation for the PBP level HEDIS data is set to "Not Reported" (NR) or "Biased Rate" (BR) by the auditor (see following section), there is no value in the eligible population field. In these instances, twelve months of PBP-level enrollment files are pulled (January 2020 through December 2020), and the average enrollment in the plan across those months is used in calculating the combined rate.

Handling of Biased, Erroneous, and/or Not Reportable (NR) Data

The data used for CMS's Star Ratings must be accurate and reliable. CMS has identified issues with some contracts' data and has taken steps to protect the integrity of the data. For any measure scores CMS identifies

to be based on inaccurate or biased data, CMS's policy is to reduce a contract's measure rating to 1 star and set the measure score to "CMS identified issues with this plan's data."

Inaccurate or biased data result from the mishandling of data, inappropriate processing, or implementation of incorrect practices. Examples include, but are not limited to: a contract's failure to adhere to HEDIS, Health Outcomes Survey (HOS), or CAHPS reporting requirements; a contract's failure to adhere to Medicare Plan Finder data requirements; a contract's errors in processing organization determinations, and appeals; a contract's failure to adhere to CMS-approved point-of-sale edits; compliance actions taken against the contract due to errors in operational areas that impact the data reported or processed for specific measures; or a contract's failure to pass validation of the data reported for specific measures. Note there is no minimum number of cases required for a contract's data to be subject to data integrity reviews.

For HEDIS data, CMS uses the audit designation information assigned by the HEDIS auditor. An audit designation of 'NR' (Not reported) is assigned when the contract chooses not to report the measure. An audit designation of 'BR' (Biased rate) is assigned when the individual measure score is materially biased (e.g., the auditor informs the contract the data cannot be reported to the National Committee for Quality Assurance (NCQA) or to CMS). When either a 'BR' or 'NR' designation is assigned to a HEDIS measure audit designation, the contract receives 1 star for the measure and the measure score is set to "CMS identified issues with this plan's data." In addition, CMS reduces contracts' HEDIS measure ratings to 1 star if the patient-level data files are not successfully submitted and validated by the submission deadline. Also, if the HEDIS summary-level data value varies substantially from the value in the patient-level data, the measure is reduced to a rating of 1 star. If an approved CAHPS or HOS vendor does not submit a contract's CAHPS or HOS data by the data submission deadline, the contract automatically receives a rating of 1 star for the CAHPS or HOS measures and the measure scores are set to "CMS identified issues with this plan's data."

Scaled Reductions for the Appeals Measures

At present, there are two Star Ratings appeals measures that rely on data submitted to the IRE: Part C measures Plan Makes Timely Decisions about Appeals and Reviewing Appeals Decisions. The completeness of the IRE data is critical to allow accurate measurement of each of the appeals measures. All contracts are responsible and held accountable for ensuring high quality and complete data to maintain the validity and reliability of the measures. CMS conducts an industry wide monitoring project to collect data to evaluate the timeliness of processing of Medicare Advantage (Part C) organization determinations and reconsiderations. Through this Timeliness Monitoring Project's data collection (TMP data), CMS can assess all sponsors' timeliness, as well as sponsor compliance with forwarding cases to the IRE.

CMS uses statistical criteria to reduce a contract's appeals measure-level Star Ratings for data that are not complete or lack integrity using TMP or audit data. The reduction is applied to the measure-level Star Ratings of the applicable appeals measures. Because there are varying degrees of data accuracy and integrity issues, the methodology for reductions reflects the degree of the data accuracy issue for a contract instead of a one-size-fits-all approach. The methodology employs scaled reductions (one-star, two-star, three-star, or four-star reduction) based on the degree of severity of missing or compromised IRE data. Contracts with the highest IRE data quality issues (i.e., largest percentage of missing or compromised data) receive the largest reductions, while contracts with a lower degree of missing IRE data receive a smaller reduction. The most severe reduction for IRE data completeness issues is a four-star reduction, thus resulting in measure-level Star Ratings of one star for the associated appeals measures. If a contract receives a reduction due to missing Part C IRE data, the reduction is applied to both of the contract's Part C appeals measures. If a contract fails to submit TMP data for CMS's review to ensure the completeness of their IRE data, the contract receives one-star for the associated appeals measures. (This is similar to how CMS treats measures that are dependent on contracts' completion of data validation of plan-reported data.)

CMS's scaled reduction methodology is a three-stage process using the TMP data or audit to determine: first, whether a contract may be subject to a potential reduction for the Part C appeals measures; second, as the basis for the determination of the estimated error rate; and finally, whether the estimated value is statistically significantly greater than the cut points for the scaled reductions of 1, 2, 3, or 4 stars. Details of the methodology are available in [Attachment O](#).

Once the scaled reduction for a contract is identified using the methodology, the reduction is applied to a contract's associated appeals measure-level Star Ratings. Since the minimum measure-level Star Rating is one star, if the difference between the associated appeals measure-level Star Rating (before the application of the reduction) and the identified scaled reduction is less than one, the contract will receive a measure-level Star Rating of one star for the appeals measure. If a contract does not qualify for the Part C measures due to number of eligible cases (the denominator is less than or equal to 10), but is found to qualify for a reduction, the contract will receive the reduction.

If a scaled reduction is applied to the Part C appeals measure in either the current or the previous year, the associated appeals measures will not be included in the respective improvement measure.

Data Handling of Measures for Contracts Affected by a Major Disaster

CMS has a policy for making adjustments in the Star Ratings to take into account major disasters. That policy was published in the 2022 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>.)

This section describes how the policy is implemented for measures from each of the different data sources in the 2022 Star Ratings. The methodology used by CMS to identify the major disaster geographic areas, determine which contracts were affected, and how much of their geographic service area and percent of enrollment resided in an affected area can be found in [Attachment P](#).

The disaster policy specified two distinct thresholds of “25% or more” and “60% or more” of the contract's membership at the time of the disaster resided in a FEMA designated Individual Assistance area. CMS calculated the percentage of membership affected for every contract being rated and will apply the following rules to the data from those contracts that meet or exceed either of the two thresholds.

- CAHPS adjustments:
 - All contracts were required to administer the 2021 CAHPS survey unless the contract requested and CMS approved an exemption.
 - All affected contracts with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster receive the higher of the 2021 or the 2022 Star Rating (and corresponding measure score) for each CAHPS measure (including the annual flu vaccine measure).
 - As outlined in the COVID-19 interim final rule (CMS-1744-IFC) and 2021 Star Ratings Technical Notes, the final 2020 Star Ratings for CAHPS measures were carried forward for the 2021 Star Ratings. The final 2020 Star Ratings, which applied the disaster policy, were considered the ‘baseline’ or pre-adjustment stars within the 2021 Star Ratings. As such, when applying the disaster policy for CAHPS measures for the 2022 Star Ratings for doubly affected contracts, the baseline stars from 2021 and 2022 were compared and the higher star of the two was taken.
- HEDIS-HOS adjustments:
 - The HEDIS-HOS data used in the 2022 Star Ratings are adjusted for 2019 disasters (see Attachment P of the 2021 Star Ratings Technical Notes for the identification of contracts affected by 2019 disasters).
 - All affected contracts (i.e., contracts affected by 2019 disasters) with at least 25% of beneficiaries in Individual Assistance areas at the time of the disaster received the higher of the 2021 or the 2022 Star Rating (and corresponding measure score) for each HEDIS-HOS measure.
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2019 were also affected by disasters in 2018. These doubly-affected contracts receive the higher of the 2022 Star Rating or what the 2021 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2018 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).

- HEDIS adjustments:
 - All contracts were required to report HEDIS 2021 unless the contract requested and CMS approved an exemption. Contracts were able to work with NCQA to adjust samples if necessary.
 - Contracts with 25% or more affected members received the higher of the 2021 or 2022 Star Ratings measure stars (and corresponding measure scores).
 - As outlined in the COVID-19 interim final rule (CMS-1744-IFC) and 2021 Star Ratings Technical Notes, the final 2020 Star Ratings for HEDIS measures were carried forward for the 2021 Star Ratings. The final 2020 Star Ratings, which applied the disaster policy, were considered the 'baseline' or pre-adjustment stars within the 2021 Star Ratings. As such, when applying the disaster policy for HEDIS measures for the 2022 Star Ratings for doubly affected contracts, the baseline stars from 2021 and 2022 were compared and the higher star of the two was taken.
- Part C and D Call Center:
 - For all contracts, no adjustments were made.
- New measure
 - Contracts with 25% or more affected members have a hold harmless provision applied which compares the result of a contract's overall rating "with" and "without" including the new MPF Price Accuracy measure. If the "with" result is lower than the "without" result, then we use the "without" result as the final highest level rating.
 - A similar hold harmless provision is applied for the Part D summary ratings. If a contract has 25% or more affected members, the Part D summary rating is calculated "with" and "without" the new MPF Price Accuracy, and if the "with" result is lower than the "without" result, then we use the "without" result for the final summary rating.
- All other measures:
 - Contracts with 25% or more affected members receive the higher of the 2021 or 2022 measure stars (and corresponding measure scores).
 - In some cases, contracts with at least 25% of enrollees residing in FEMA-designated Individual Assistance areas affected by disasters that began in 2020 were also affected by disasters in 2019. These doubly-affected contracts receive the higher of the 2022 Star Rating or what the 2021 Star Rating would have been in the absence of any adjustments that took into account the effects of the 2019 disaster for each measure (we use the corresponding measure score for the Star Ratings year selected).
- All Adjustments:
 - For all adjustments, if the Star Rating is the same in both years, the Star Rating and the measure score from the most recent year are used.
- Improvement measures:
 - For affected contracts that reverted back to the data underlying the previous year's Star Rating for a particular measure for either 2021 or 2022 Star Ratings, that measure is excluded from both the count of measures (used to determine whether the contract has at least half of the measures needed to calculate the relevant improvement measure) and the improvement measures calculation. Affected contracts do not have the option of reverting to the prior year's improvement rating.
- Affected contracts with missing data:
 - If an affected contract has missing data in either the current or previous year (e.g., because of a data integrity issue, it is too new, or it is too small), the final measure rating comes from the current year.

- Reward Factor:
 - For the 2022 Star Ratings only, we will not exclude contracts with 60% or more of their enrollees living in FEMA-designated Individual Assistance areas from calculation of the Reward Factor.
- Cut points
 - For the 2022 Star Ratings only, we will not exclude contracts with 60% or more of their enrollees living in FEMA-designated Individual Assistance areas from calculation of cut points for measures that use clustering methodology.

Methodology for Assigning Stars to the Part C and Part D Measures

CMS assigns stars for each numeric measure score by applying one of two methods: clustering, or relative distribution and significance testing. Each method is described below. [Attachment J](#) explains the clustering and relative distribution and significance testing (used for CAHPS measures) methods in greater detail.

The *Cut Point Trend* document is posted on the website at <http://go.cms.gov/partcanddstarratings> and is updated after each rating cycle is released.

A. Clustering

This method is applied to the majority of the Star Ratings measures, ranging from operational and process-based measures, to HEDIS and other clinical care measures. Using this method, the Star Rating for each measure is determined by applying a clustering algorithm to the measure's numeric value scores from all contracts. Conceptually, the clustering algorithm identifies the "gaps" among the scores and creates four cut points resulting in the creation of five levels (one for each Star Rating). The scores in the same Star Rating level are as similar as possible; the scores in different Star Rating levels are as different as possible. Star Rating levels 1 through 5 are assigned with 1 being the worst and 5 being the best.

Technically, the variance in measure scores is separated into within-cluster and between-cluster sum of squares components. The clusters reflect the groupings of numeric value scores that minimize the variance of scores within the clusters. The Star Ratings levels are assigned to the clusters that minimize the within-cluster sum of squares. The cut points for star assignments are derived from the range of measure scores per cluster, and the star levels associated with each cluster are determined by ordering the means of the clusters.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are randomly separated into 10 equal-sized groups. The hierarchical clustering algorithm is then applied 10 times, each time leaving one of the 10 groups out of the clustered data. The method results in 10 sets of measure-specific cut points. The mean for each 1 through 5 star level cut point is taken across the 10 sets for each measure to produce the final cut points used for assigning measure stars.

B. Relative Distribution and Significance Testing (CAHPS)

This method is applied to determine valid star cut points for CAHPS measures. In order to account for the reliability of scores produced from the CAHPS survey, the method combines evaluating the relative percentile distribution with significance testing. For example, to obtain 5 stars, a contract's CAHPS measure score needs to be ranked at least at the 80th percentile and be statistically significantly higher than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error above the 80th percentile. To obtain 1 star, a contract's CAHPS measure score needs to be ranked below the 15th percentile and be statistically significantly lower than the national average CAHPS measure score, as well as either have not low reliability or have a measure score more than one standard error below the 15th percentile.

Methodology for Calculating Stars at the Domain Level

A domain rating is the average, unweighted mean, of the domain's measure stars. To receive a domain rating, a contract must meet or exceed the minimum number of rated measures required for the domain. The

minimum number of rated measures required for a domain is determined based on whether the total number of measures in the domain for a contract type is odd or even:

- If the total number of measures that comprise the domain for a contract type is odd, divide the number of measures in the domain by two and round the quotient to the next whole number.
 - Example: If the total number of measures required in a domain for a contract type is 3, the value 3 is divided by 2. The quotient, in this case 1.5, is then rounded to the next whole number. To receive a domain rating, the contract must have a Star Rating for at least 2 of the 3 required measures.
- If the total number of measures that comprise the domain for a contract type is even, divide the number of measures in the domain by two and add one to the quotient.
 - Example: If the total number of measures required in a domain for a contract type is 6, the value 6 is divided by 2. In this example, 1 is then added to the quotient of 3. To receive a domain rating, the contract must have a Star Rating for at least 4 of the 6 required measures.

Table 5 details the minimum number of rated measures required for a domain rating by contract type.

Table 5: Minimum Number of Rated Measures Required for a Domain Rating by Contract Type

Part	Domain Name (Identifier)	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
C	Staying Healthy: Screenings, Tests and Vaccines (HD1)	3 of 4	3 of 4	3 of 4	2 of 3	3 of 4	N/A	3 of 4
C	Managing Chronic (Long Term) Conditions (HD2)	5 of 8	5 of 9	7 of 12	6 of 11	5 of 9	N/A	5 of 9
C	Member Experience with Health Plan (HD3)	4 of 6	4 of 6	4 of 6	N/A	4 of 6	N/A	4 of 6
C	Member Complaints and Changes in the Health Plan's Performance (HD4)	2 of 3	2 of 3	2 of 3	2 of 3	2 of 3	N/A	2 of 3
C	Health Plan Customer Service (HD5)	2 of 2	2 of 3	2 of 3	2 of 3	2 of 2	N/A	2 of 3
D	Drug Plan Customer Service (DD1)	N/A*	1 of 1	1 of 1	1 of 1	N/A	1 of 1	1 of 1*
D	Member Complaints and Changes in the Drug Plan's Performance (DD2)	2 of 3*	2 of 3	2 of 3	2 of 3	N/A	2 of 3	2 of 3*
D	Member Experience with the Drug Plan (DD3)	2 of 2*	2 of 2	2 of 2	N/A	N/A	2 of 2	2 of 2*
D	Drug Safety and Accuracy of Drug Pricing (DD4)	4 of 6*	4 of 6	4 of 6	4 of 6	N/A	4 of 6	4 of 6*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts that offer drug benefits and which do not submit data for the MPF measure must have a rating in 3 out of 5 Drug Pricing and Patient Safety (DD4) measures to receive a rating in that domain.

Summary and Overall Ratings: Weighting of Measures

The summary and overall ratings are calculated as weighted averages of the measure stars. For the 2022 Star Ratings, CMS assigns the highest weight to the improvement measures, followed by the outcome and intermediate outcome measures, then by patient experience/complaints and access measures, and finally the process measures. New measures included in the Star Ratings are given a weight of 1 for their first year of inclusion in the ratings; in subsequent years the weight associated with the measure weighting category is used. The weights assigned to each measure and their weighting category are shown in [Attachment F](#).

In calculating the summary and overall ratings, a measure given a weight of 3 counts three times as much as a measure given a weight of 1. For any given contract, any measure without a rating is not included in the calculation. The first step in the calculation is to multiply each measure's weight by the measure's rating and sum these results. The second step is to divide this sum by the sum of the weights of the contract's rated measures. For the summary and overall ratings, half stars are assigned to allow for more variation across contracts.

The Part C and Part D summary ratings are calculated by taking a weighted average of the measure stars for Parts C and D, respectively. To receive a Part C and/or Part D summary rating, a contract must meet the minimum number of rated measures. The Parts C and D improvement measures are not included in the count of the minimum number of rated measures. The minimum number of rated measures required is determined as follows:

- If the total number of measures required for the organization type is odd, divide the number by two and round it to a whole number.
 - Example: if there are 13 required Part D measures for the organization, $13 / 2 = 6.5$, when rounded the result is 7. The contract needs at least 7 measures with ratings out of the 13 total measures to receive a Part D summary rating.
- If the total number of measures required for the organization type is even, divide the number of measures by two.
 - Example: if there are 30 required Part C measures for the organization, $30 / 2 = 15$. The contract needs at least 15 measures with ratings out of the 30 total measures to receive a Part C summary rating.

Table 6 shows the minimum number of rated measures required by each contract type to receive a summary rating.

Table 6: Minimum Number of Rated Measures Required for Part C and Part D Ratings by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Part C summary	11 of 22	12 of 24	14 of 27	10 of 19	12 of 23	N/A	12 of 24
Part D summary	5 of 10*	6 of 11	6 of 11	5 of 9	N/A	6 of 11	6 of 11*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 5 out of 10 measures to receive a Part D rating.

Methodology for Calculating the Overall MA-PD Rating

For MA-PDs to receive an overall rating, the contract must have stars assigned to both the Part C and Part D summary ratings. If an MA-PD contract has only one of the two required summary ratings, the overall rating will show as “Not enough data available.”

The overall rating for a MA-PD contract is calculated using a weighted average of the Part C and Part D measure stars. The weights assigned to each measure are shown in [Attachment F](#).

There are a total of 40 measures (28 in Part C, 12 in Part D) in the 2022 Star Ratings. The following two measures are contained in both the Part C and D measure lists:

- Complaints about the Health/Drug Plan (CTM)
- Members Choosing to Leave the Plan (MCLP)

These measures share the same data source, so CMS includes only one instance of each of these two measures in the calculation of the overall rating. In addition, the Part C and D improvement measures are not included in the count for the minimum number of measures. Therefore, a total of 36 distinct measures are used in the calculation of the overall rating.

The minimum number of rated measures required for an overall MA-PD rating is determined using the same methodology as for the Part C and D summary ratings. Table 7 provides the minimum number of rated measures required for an overall Star Rating by contract type.

Table 7: Minimum Number of Rated Measures Required for an Overall Rating by Contract Type

Rating	1876 Cost †	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Overall Rating	15 of 30*	17 of 33	18 of 36	13 of 26	N/A	N/A	17 of 33*

* Note: Does not apply to MA-Only, 1876 Cost, and PFFS contracts which do not offer drug benefits.

† Note: 1876 Cost contracts which do not submit data for the MPF measure must have ratings in 15 out of 30 measures to receive an overall rating.

Completing the Summary and Overall Rating Calculations

There are two adjustments made to the results of the summary and overall calculations described above. First, to reward consistently high performance, CMS utilizes both the mean and the variance of the measure stars to differentiate contracts for the summary and overall ratings. If a contract has both high and stable relative performance, a reward factor is added to the contract's ratings. Details about the reward factor can be found in the section entitled "Applying the Reward Factor." Second, for the 2022 Star Ratings, the summary and overall ratings include a Categorical Adjustment Index (CAI) factor, which is added to or subtracted from a contract's summary and overall ratings. Details about the CAI can be found in the section entitled "Categorical Adjustment Index (CAI)."

The summary and overall rating calculations are run twice, once including the improvement measures and once without including the improvement measures. Based on a comparison of the results of these two calculations a decision is made as to whether the improvement measures are to be included in calculating a contract's final summary and overall ratings. Details about the application of the improvement measures can be found in the section entitled "Applying the Improvement Measure(s)."

Lastly, standard rounding rules are applied to convert the results of the final summary and overall ratings calculations into the publicly reported Star Ratings. Details about the rounding rules are presented in the section "Rounding Rules for Summary and Overall Ratings."

Applying the Improvement Measure(s)

The Part C Improvement Measure - Health Plan Quality Improvement (C25) and the Part D Improvement Measure - Drug Plan Quality Improvement (D04) were introduced earlier in this document in the section entitled "Improvement Measures." The measures and formulas for the improvement measures can be found in [Attachment H](#). This section discusses whether and how to apply the improvement measures in calculating a contract's final summary and overall ratings.

For the 2022 Star Ratings only we expanded the hold harmless rule to include all contracts at the overall and summary ratings recognizing that the Public Health Emergency for the COVID-19 pandemic may have resulted in a decline in industry performance. CMS developed the following rules for the 2022 Star Ratings.

MA-PD Contracts

- There are separate Part C and Part D improvement measures for MA-PD contracts.
 - The Part C Improvement measure is used in calculating the Part C summary rating of an MA-PD contract.
 - The Part D Improvement measure is used in calculating the Part D summary rating for an MA-PD contract.
 - Both improvement measures will be used when calculating the overall rating in step 3.
- Calculate the overall rating for MA-PD contracts without including either improvement measure.
- Calculate the overall rating for MA-PD contracts with both improvement measures included.
- Compare the two overall ratings calculated in steps 2 & 3, and use the highest of the two overall ratings calculated in steps 2 & 3.
- Calculate the Part C summary rating for MA-PD contracts without including the Part C improvement measure.

6. Calculate the Part C summary rating for MA-PD contracts including the Part C improvement measure.
7. Compare the two Part C summary ratings calculated in steps 5 & 6, and use the highest of the two Part C summary ratings calculated in steps 5 & 6.
8. Calculate the Part D summary rating for MA-PD contracts without including the Part D improvement measure.
9. Calculate the Part D summary rating for MA-PD contracts including the Part D improvement measure.
10. Compare the two Part D summary ratings calculated in steps 8 & 9, and use the highest of the two Part D summary ratings calculated in steps 8 & 9.

MA-Only Contracts

- Only the Part C improvement measure is used for MA-Only contracts.
- Calculate the Part C summary rating for MA-Only contracts without including the Part C improvement measure.
- Calculate the Part C summary rating for MA-Only contracts with the Part C improvement measure.
- Compare the two Part C summary ratings. If the rating in step 3 is less than the value in step 2, use the Part C summary rating from step 2; otherwise use the result from step 3.

PDP Contracts

- Only the Part D improvement measure is used for PDP contracts.
- Calculate the Part D summary rating for PDP contracts without including the Part D improvement measure.
- Calculate the Part D summary rating for PDP contracts with the Part D improvement measure.
- Compare the two Part D summary ratings. If the rating in step 3 is less than the value in step 2, use the Part D summary rating from step 2; otherwise use the result from step 3.

Applying the Reward Factor

The following represents the steps taken to calculate and include the reward factor (r-Factor) in the Star Ratings summary and overall ratings. These calculations are performed both with and without the improvement measures included.

- Calculate the mean and the variance of all of the individual quality and performance measure stars at the contract level.
 - The mean is equal to the summary or overall rating before the reward factor is applied, which is calculated as described in the section entitled “Weighting of Measures.”
 - Using weights in the variance calculation accounts for the relative importance of measures in the reward factor calculation. To incorporate the weights shown in [Attachment F](#) into the variance calculation of the available individual performance measures for a given contract, the steps are as follows:
 - Subtract the summary or overall star from each performance measure’s star; square the results; and multiply each squared result by the corresponding individual performance measure weight.
 - Sum these results; call this ‘SUMWX.’
 - Set n equal to the number of individual performance measures available for the given contract.
 - Set W equal to the sum of the weights assigned to the n individual performance measures available for the given contract.

- The weighted variance for the given contract is calculated as: $n * \text{SUMWX} / (W * (n-1))$. For the complete formula, please see [Attachment G](#): Calculation of Weighted Star Rating and Variance Estimates.
- Categorize the variance into three categories:
 - low (0 to < 30th percentile),
 - medium ($\geq$ 30th to < 70th percentile) and
 - high ($\geq$ 70th percentile)
- Develop the reward factor as follows:
 - r-Factor = 0.4 (for contract w/ low variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.3 (for contract w/ medium variance & high mean (mean $\geq$ 85th percentile))
 - r-Factor = 0.2 (for contract w/ low variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))
 - r-Factor = 0.1 (for contract w/ medium variance & relatively high mean (mean $\geq$ 65th & < 85th percentile))
 - r-Factor = 0.0 (for all other contracts)

Tables 8 and 9 show the final threshold values used in reward factor calculations for the 2022 Star Ratings:

Table 8: Performance Summary Thresholds

Improvement	MPF	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
Without	Without	65th	4.135135	4.086957	4.086957	4.084746
Without	With	65th	4.135135	4.083333	4.052632	4.083333
With	Without	65th	4.095238	4.142857	4.035714	4.090909
With	With	65th	4.095238	4.137931	4.000000	4.100000
Without	Without	85th	4.428571	4.434783	4.684211	4.346154
Without	With	85th	4.428571	4.416667	4.684211	4.350877
With	Without	85th	4.377778	4.428571	4.428571	4.338462
With	With	85th	4.377778	4.413793	4.379310	4.333333

Table 9: Variance Thresholds

Improvement	MPF	Percentile	Part C Rating	Part D Rating (MA-PD)	Part D Rating (PDP)	Overall Rating
Without	Without	30th	.821053	.562907	.512861	.783410
Without	With	30th	.821053	.560185	.548090	.778913
With	Without	30th	.821221	.560762	.617347	.757019
With	With	30th	.821221	.562372	.682305	.755058
Without	Without	70th	1.218462	1.117989	.949380	1.132324
Without	With	70th	1.218462	1.092361	1.006424	1.122345
With	Without	70th	1.218821	1.088007	1.059311	1.098800
With	With	70th	1.218821	1.072688	1.079235	1.097165

Categorical Adjustment Index (CAI)

CMS has implemented an analytical adjustment called the Categorical Adjustment Index (CAI). The CAI is a factor that is added to or subtracted from a contract's Overall and/or Summary Star Ratings to adjust for the average within-contract disparity in performance for Low Income Subsidy/Dual Eligible (LIS/DE) beneficiaries and disabled beneficiaries. The CAI value (factor) depends on the contract's percentage of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and the contract's percentage of beneficiaries with disabled status. These adjustments are performed both with and without the improvement measures included. The value of the CAI varies by the contract's percentage of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disability status.

The CAI was developed using data collected for the 2021 Star Ratings. To calculate the CAI, case-mix adjustment is applied to all clinical Star Rating measure scores that are not adjusted for SES using a beneficiary-level logistic regression model with contract fixed effects and beneficiary-level indicators of LIS/DE and disability status, similar to the approach currently used to adjust CAHPS patient experience measures. However, unlike CAHPS case-mix adjustment, the only adjusters are LIS/DE and disability status. Adjusted measure scores are then converted to measure stars using the 2021 rating year measure cutoffs and used to calculate Adjusted Overall and Summary Star Ratings. Unadjusted Overall and Summary Star Ratings are also determined for each contract.

The 2021 measures used in the 2022 CAI adjustment calculations are:

- Breast Cancer Screening (Part C)
- Colorectal Cancer Screening (Part C)
- Annual Flu Vaccine (Part C)
- Monitoring Physical Activity (Part C)
- Osteoporosis Management in Women who had a Fracture (Part C)
- Diabetes Care – Eye Exam (Part C)
- Diabetes Care – Kidney Disease Monitoring (Part C)
- Diabetes Care – Blood Sugar Controlled (Part C)
- Rheumatoid Arthritis Management (Part C)
- Reducing the Risk of Falling (Part C)
- Improving Bladder Control (Part C)
- Medication Reconciliation Post-Discharge (Part C)
- Statin Therapy for Patients with Cardiovascular Disease (Part C)
- Medication Adherence for Diabetes Medication (Part D)
- Medication Adherence for Hypertension (RAS antagonists) (Part D)
- Medication Adherence for Cholesterol (Statins) (Part D)
- MTM Program Completion Rate for CMR (Part D)
- Statin Use in Patients with Diabetes (SUPD) (Part D)

To determine the value of the CAI, contracts are first divided into an initial set of categories based on the combination of a contract's LIS/DE and disability percentages. For the adjustment for the overall and summary ratings for MA-Only and MA-PD contracts, the initial groups are formed by the ten groups of LIS/DE and quintiles of disability, thus resulting in 50 initial categories. For PDPs, the initial groups are formed using quartiles for both LIS/DE and disability. The mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts in each initial category are determined and examined.

The initial categories are collapsed to form final adjustment groups. The CAI values are the mean differences between the Adjusted Overall or Summary Star Rating and the corresponding Unadjusted Star Rating for contracts within each final adjustment group. Separate CAI values are computed for the overall and summary ratings, and the rating-specific CAI value is the same for all contracts that fall within the same final adjustment category.

The categorization of contracts into final adjustment categories for the CAI relies on both the use of a contract's percentages of LIS/DE and disabled beneficiaries. Categories were chosen to enforce monotonicity and to yield a minimum number of 30 contracts per each final MA adjustment category and 10 contracts per each final PDP adjustment category. Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI. Details regarding the methodology for the Puerto Rico model are provided in [Attachment N](#).

Tables 10 and 11 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the determination of the CAI values for the Overall Rating. For example, if a contract's

percentage of LIS/DE beneficiaries is 13.60%, the contract's LIS/DE initial group would be L4. The upper limit for each initial category is only included for the highest categories (L10 and D5), and the upper limit is equal to 100% for both of these categories.

Table 10: Categorization of Contract's Members into LIS/DE Initial Groups for the Overall Rating

LIS/DE Initial Group	Percentage of Contract's LIS/DE Beneficiaries
1	0.000000 to < 6.149984
2	>= 6.149984 to < 9.029351
3	>= 9.029351 to < 11.828362
4	>= 11.828362 to < 15.709822
5	>= 15.709822 to < 21.308980
6	>= 21.308980 to < 31.921094
7	>= 31.921094 to < 46.184837
8	>= 46.184837 to < 74.969719
9	>= 74.969719 to < 100.000000
10	100.000000

Table 11: Categorization of Contract's Members into Disability Quintiles for the Overall Rating

Disability Quintile	Percentage of Contract's Disabled Beneficiaries
1	>= 0.000000 to < 14.868805
2	>= 14.868805 to < 21.386431
3	>= 21.386431 to < 29.352138
4	>= 29.352138 to < 41.560510
5	>= 41.560510 to 100.000000

Table 12 provides the description of each of the final adjustment categories and the associated value of the CAI per category for the overall rating.

Table 12: Final Adjustment Categories and CAI Values for the Overall Rating

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L3 L1	D1 D2	-0.035526
2	L4-L9 L2-L8	D1 D2	-0.011166
3	L1-L4 L5-L8	D3-D5 D3	0.014507
4	L5-L7 L8 L9-L10 L10	D4-D5 D4 D2-D4 D1	0.050424
5	L8-L9	D5	0.102822
6	L10	D5	0.156984

Tables 13 and 14 provide the range of the percentages that correspond to the LIS/DE initial groups and disability quintiles for the initial categories for the determination of the CAI values for the Part C summary.

Table 13: Categorization of Contract's Members into LIS/DE Initial Groups for the Part C Summary

LIS/DE Initial Group	Percentage of Contract's LIS/DE Beneficiaries
1	>= 0.000000 to < 5.918327
2	>= 5.918327 to < 8.879143
3	>= 8.879143 to < 11.513779
4	>= 11.513779 to < 15.383500
5	>= 15.383500 to < 20.699729
6	>= 20.699729 to < 31.242256
7	>= 31.242256 to < 44.828861
8	>= 44.828861 to < 71.554504
9	>= 71.554504 to < 100.000000
10	100.00000

Table 14: Categorization of Contract's Members into Disability Quintiles for the Part C Summary

Disability Quintile	Percentage of Contract's Disabled Beneficiaries
1	>= 0.000000 to < 14.455232
2	>= 14.455232 to < 20.904509
3	>= 20.904509 to < 28.992403
4	>= 28.992403 to < 41.212156
5	>= 41.212156 to 100.000000

Table 15 provides the description of each of the final adjustment categories for the Part C summary and the associated value of the CAI for each final adjustment category.

Table 15: Final Adjustment Categories and CAI Values for the Part C Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1	D1	-0.009257
2	L1-L7	D2-D5	0.008841
	L2-L10	D1	
	L8	D2-D3	
3	L8	D4-D5	0.038872
	L9-L10	D2-D4	
4	L9-L10	D5	0.077490

Tables 16 and 17 provide the range of the percentages that correspond to the LIS/DE initial groups and the disability quintiles for the initial categories for the determination of the CAI values for the Part D summary rating for MA-PDs.

Table 16: Categorization of Contract's Members into LIS/DE Initial Groups for the MA-PD Part D Summary

LIS/DE Initial Group	Percentage of Contract's LIS/DE Beneficiaries
1	>= 0.000000 to < 6.898150
2	>= 6.898150 to < 9.508387
3	>= 9.508387 to < 12.948776
4	>= 12.948776 to < 17.545908
5	>= 17.545908 to < 24.508407
6	>= 24.508407 to < 36.853885
7	>= 36.853885 to < 55.757227
8	>= 55.757227 to < 87.511880
9	>= 87.511880 to < 100.000000
10	100.00000

Table 17: Categorization of Contract's Members into Disability Quintiles for the MA-PD Part D Summary

Disability Quintile	Percentage of Contract's Disabled Beneficiaries
1	>= 0.000000 to < 15.512493
2	>= 15.512493 to < 22.834150
3	>= 22.834150 to < 30.915751
4	>= 30.915751 to < 44.143983
5	>= 44.143983 to 100.000000

Table 18 provides the description of each of the final adjustment categories for the MA-PD Part D summary and the associated values of the CAI for each final adjustment category.

Table 18: Final Adjustment Categories and CAI Values for the MA-PD Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L7 L1	D1 D2	-0.052903
2	L2-L10 L8-L10	D2 D1	-0.014857
3	L1-L8 L1-L4	D3 D4-D5	0.015615
4	L9-L10 L7-L8 L5-L6	D3-D4 D4 D4-D5	0.063605
5	L7-L9	D5	0.149711
6	L10	D5	0.219180

Tables 19 and 20 provide the range of the percentages that correspond to the LIS/DE and disability quartiles for the initial categories for the determination of the CAI values for the PDP Part D summary. Quartiles are used for both dimensions due to the limited number of PDPs as compared to MA-PD contracts.

Table 19: Categorization of Contract's Members into Quartiles of LIS/DE for the PDP Part D Summary

LIS/DE Quartile	Percentage of Contract's LIS/DE Beneficiaries
1	>= 0.000000 to < 1.637509
2	>= 1.637509 to < 3.796364
3	>= 3.796364 to < 13.812463
4	>= 13.812463 to 100.000000

Table 20: Categorization of Contract's Members into Quartiles of Disability for the PDP Part D Summary

Disability Quartile	Percentage of Contract's Disabled Beneficiaries
1	>= 0.000000 to < 6.924101
2	>= 6.924101 to < 11.583226
3	>= 11.583226 to < 19.860555
4	>= 19.860555 to 100.000000

Table 21 provides the description of each of the final adjustment categories for the PDP Part D summary and the associated value of the CAI per final adjustment category. Note that the CAI values for the PDP Part D summary are different from the CAI values for the MA-PD Part D summary. There are four final adjustment categories for the PDP Part D summary.

Table 21: Final Adjustment Categories and CAI Values for the PDP Part D Summary

Final Adjustment Category	LIS/DE Initial Group	Disability Quintile	CAI Value
1	L1-L2	D1-D3	-0.220831
2	L1-L3	D4	-0.111542
	L3-L4	D1-D2	
	L3	D3	
3	L4	D3-D4	0.094156

Calculation Precision

CMS and its contractors have always used software called SAS (an integrated system of software products provided by SAS Institute Inc.) to perform the calculations used in producing the Star Ratings. For all measures, except the improvement measures, the precision used in scoring the measure is indicated next to the label "Data Display" within the detailed description of each measure. The improvement measures are discussed below. The domain ratings are the unweighted average of the star measures and are rounded to the nearest integer.

The improvement measures, summary, and overall ratings are calculated with at least six digits of precision after the decimal whenever the data allow it. The HEDIS measure scores have two digits of precision after the decimal. All other measures have at least six digits of precision when used in the improvement calculation.

Contracts may request a contract-specific calculation spreadsheet which emulates the actual SAS calculations from the Star Ratings mailbox during the second plan preview.

It is not possible to replicate CMS's calculations exactly due to factors including, but not limited to: using published measure data from sources other than CMS's Star Rating program which use different rounding rules, and exclusion of some contracts' ratings from publicly-posted data (e.g., terminated contracts).

Rounding Rules for Measure Scores

Measure scores are rounded to the precision indicated next to the label "Data Display" within the detailed description of each measure. Measure scores are rounded using traditional rounding rules. These are standard "round to nearest" rules prior to cut point analysis. To obtain a value with the specified level of precision, the single digit following the level of precision will be rounded. If the digit to be rounded is 0, 1, 2, 3 or 4, the value is rounded down, with no adjustment to the preceding digit. If the digit to be rounded is 5, 6, 7, 8 or 9, the value is rounded up, and a value of one is added to the preceding digit. After rounding, all digits after the specified level of precision are removed. If rounding to a whole number, the digit to be rounded is in the first decimal place. If the digit in the first decimal place is below 5, then after rounding the whole number remains unchanged and fractional parts of the number are deleted. If the digit in the first decimal place is 5 or greater, then the whole number is rounded up by adding a value of 1 and fractional parts of the number are deleted. For example, a measure listed with a Data Display of "Percentage with no decimal point" that has a value of 83.499999 rounds down to 83, while a value of 83.500000 rounds up to 84.

The results of the summary and overall calculations are rounded to the nearest half star (i.e., 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0). Table 22 summarizes the rounding rules for converting the Part C and D summary and overall ratings into the publicly reported Star Ratings.

Table 22: Rounding Rules for Summary and Overall Ratings

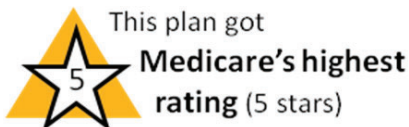
Raw Summary / Overall Score	Final Summary / Overall Rating
≥ 0.000000 and < 0.250000	0
≥ 0.250000 and < 0.750000	0.5
≥ 0.750000 and < 1.250000	1.0
≥ 1.250000 and < 1.750000	1.5
≥ 1.750000 and < 2.250000	2.0
≥ 2.250000 and < 2.750000	2.5
≥ 2.750000 and < 3.250000	3.0
≥ 3.250000 and < 3.750000	3.5
≥ 3.750000 and < 4.250000	4.0
≥ 4.250000 and < 4.750000	4.5
≥ 4.750000 and ≤ 5.000000	5.0

For example, a summary or overall rating of 3.749999 rounds down to a rating of 3.5, and a rating of 3.750000 rounds up to rating of 4. That is, a score would need to be at least halfway between 3.5 and 4 (having a minimum value of 3.750000) in order to obtain the higher rating of 4.

Methodology for Calculating the High Performing Icon

A contract may receive a high performing icon as a result of its performance on the Parts C and/or D measures. The high performing icon is assigned to an MA-Only contract for achieving a 5-star Part C summary rating, a PDP contract for a 5-star Part D summary rating, and an MA-PD contract for a 5-star overall rating. Figure 3 shows the high performing icon used in the MPF:

Figure 3: The High Performing Icon



Methodology for Calculating the Low Performing Icon

A contract can receive a low performing icon as a result of its performance on the Part C and/or Part D summary ratings. The low performing icon is calculated by evaluating the Part C and Part D summary ratings for the current year and the past two years (i.e., the 2020, 2021, and 2022 Star Ratings). If the contract had any combination of Part C and/or Part D summary ratings of 2.5 or lower in all three years of data, it is marked with a low performing icon (LPI). A contract must have a rating in either Part C and/or Part D for all three years to be considered for this icon.

Figure 4 shows the low performing contract icon used in the MPF:

Figure 4: The Low Performing Icon



Table 23 shows example contracts which would receive an LPI.

Contract/Rating	Rated As	2020 C	2021 C	2022 C	2020 D	2021 D	2022 D	LPI Awarded	LPI Reason
HAAAA	MA-PD	2	2.5	2.5	3	3	3	Yes	Part C
HBBBB	MA-PD	3	3	3	2.5	2	2.5	Yes	Part D
HCCCC	MA-PD	2.5	3	3	3	2.5	2.5	Yes	Part C or D
HDDDD	MA-PD	3	2.5	3	2.5	3	2.5	Yes	Part C or D
HEEEE	MA-PD	2.5	2	2.5	2	2.5	2.5	Yes	Part C and D
HFFFF	MA-Only	2.5	2	2.5	-	-	-	Yes	Part C
SAAAA	PDP	-	-	-	2.5	2.5	2	Yes	Part D

Mergers, Novations, and Consolidations

This section covers how the Star Ratings are affected by mergers, novation and consolidations. To ensure a common understanding, we begin by defining each of the terms.

- **Merger:** when two (or more) companies join together to become a single business. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to Medicare beneficiaries. After the merger, all of those individual contracts with CMS are still intact, only the ownership changes in each of the contracts to the name of the new single business. Mergers can occur at any time during a contract year.
- **Novation:** when one company acquires another company. Each of these separate businesses had one or more contracts with CMS for offering health and/or drug services to beneficiaries. After the novation, all of those individual contracts with CMS are still intact. The owner's names of the contracts acquired are changed to the new owner's name. Novations can occur at any time during the contract year.
- **Consolidation:** when an organization/sponsor that has at least two contracts with CMS for offering health and/or drug services to beneficiaries combines multiple contracts into a single contract with CMS. Consolidations occur only at the change of the contract year. The one or more contracts that will no longer exist at contract year's end are known as the consumed contracts. The contract that will still exist is known as the surviving contract and all of the beneficiaries still enrolled in the consumed contract(s) are moved to the surviving contract.

Mergers and novations do not change the ratings earned by an individual contract in any way.

For a merger or novation, the only change is the company listed as owning the contract; there is no change in contract structure, so the Star Ratings earned by the contract remains with them until the next rating cycle. This includes any High Performer or Low Performing icons earned by any of the contracts.

Consolidations become effective the first day of the calendar year. The Star Ratings are released the previous October so they are available when open enrollment begins. In the first year following a consolidation, the measure values used in calculating the Star Ratings of the surviving contract will be based on the enrollment-weighted mean of all contracts in the consolidation (see Attachment B). The surviving contract's ratings are posted publicly, used in determining QBP ratings, and included in the Past Performance Analysis.

Reliability Requirement for Low-enrollment Contracts

HEDIS measures for contracts whose enrollment as of July 2020 was at least 500 but less than 1,000 will be included in the Star Ratings in 2022 when the contract-specific measure score reliability is equal to or greater than 0.7. The reliability calculations are implemented using SAS PROC MIXED as documented on pages 31-32 of the report "The Reliability of Provider Profiling – A Tutorial," available at https://www.rand.org/pubs/technical_reports/TR653.html.

Special Needs Plan (SNP) Data

A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. There are three major types of

CMS has included three SNP-specific measures in the 2022 Star Ratings. The Part C 'Special Needs Plan Care Management' measure is based on data reported by contracts through the Medicare Part C Reporting Requirements. The two Part C 'Care for Older Adults' measures are based on HEDIS data. The data for all of these measures are reported at the plan benefit package (PBP) level, while the Star Ratings are reported at the contract level.

The methodology used to combine the PBP data to the contract level is different between the two data sources. The Part C Reporting Requirements data are summed into a contract-level rate after excluding PBPs that do not map to any PBP offered by the contract in the calendar year for which the Reporting Requirements data underwent data validation. The HEDIS data are summed into a contract-level rate as long as the contract will be offering a SNP PBP in the Star Ratings year.

The two methodologies used to combine the PBP data within a contract for these measures are described further in [Attachment E](#).

Star Ratings and Marketing

Plan sponsors must ensure the Star Ratings document and all marketing of Star Ratings information is compliant with CMS's Medicare Marketing Guidelines. Failure to follow CMS' guidance may result in compliance action against the contract. The Medicare Marketing Guidelines were issued as Chapters 2 and 3 of the Prescription Drug Benefit Manual and the Medicare Managed Care Manual, respectively. Please direct questions about marketing Star Ratings information to your Account Manager.

Contact Information

The contact below can assist you with various aspects of the Star Ratings.

- Part C & D Star Ratings: PartCandDStarRatings@cms.hhs.gov

If you have questions or require information about the specific subject areas associated with the Star Ratings please write to those contacts directly and cc the Part C & D Star Ratings mailbox.

- CAHPS (MA & Part D): MP-CAHPS@cms.hhs.gov
- Call Center Monitoring: CallCenterMonitoring@cms.hhs.gov
- Compliance Activity Module issues (Part C): PartCCompliance@cms.hhs.gov
- Compliance Activity Module issues (Part D): PartD_Monitoring@cms.hhs.gov
- Data Integrity: PARTCDQA@cms.hhs.gov
- Demonstration (Medicare-Medicaid Plan) Ratings: nmmcocapsmodel@cms.hhs.gov
- Disenrollment Reasons Survey: DisenrollSurvey@cms.hhs.gov
- HEDIS: HEDISquestions@cms.hhs.gov
- HOS: HOS@cms.hhs.gov
- HPMS Access issues: CMSHPMS_Access@cms.hhs.gov
- HPMS Help Desk (all other HPMS issues): HPMS@cms.hhs.gov
- Marketing: marketing@cms.hhs.gov
- Part C Compliance Activity issues: PartCCompliance@cms.hhs.gov
- Part D Compliance Activity issues: PartD_Monitoring@cms.hhs.gov
- Plan Reporting (Part C): Partcplanreporting@cms.hhs.gov

- Plan Reporting (Part D): Partd-planreporting@cms.hhs.gov
- Plan Reporting Data Validation (Part C & D): PartCandD_Data_Validation@cms.hhs.gov
- QBP Ratings and Appeals questions: QBPAppeals@cms.hhs.gov
- QBP Payment or Risk Analysis questions: riskadjustment@cms.hhs.gov

This page contains the formatting framework and definition of each sub-section that is used to describe the domain and measure details on the following pages.

Domain: The name of the domain to which the measures following this heading belong

Measure: The measure ID and common name of the ratings measure

Title	Description
Label for Stars:	The label that appears with the stars for this measure on Medicare.gov.
Label for Data:	The label that appears with the numeric data for this measure on Medicare.gov.
Description:	The English language description shown for the measure on the Medicare.gov. The text in this sub-section has been cognitively tested with beneficiaries to aid in their understanding the purpose of the measure.
HEDIS Label:	Optional – contains the full NCQA HEDIS measure name.
Measure Reference:	Optional – this sub-section contains the location of the detailed measure specification in the NCQA documentation for all HEDIS and HEDIS/HOS measures.
Metric:	Defines how the measure is calculated.
Primary Data Source:	The primary source of the data used in the measure.
Data Source Description:	Optional – contains information about additional data sources needed for calculating the measure.
Data Source Category:	The category of this data source.
Exclusions:	Optional – lists any exclusions applied to the data used for the measure.
General Notes:	Optional – contains additional information about the measure and the data used.
Data Time Frame:	The time frame of data used from the data source. In some HEDIS measures this date range may appear to conflict with the specific data time frame defined in the NCQA Technical Specifications. In those cases, the data used by CMS are unchanged from what was submitted to NCQA. CMS uses the data time frame of the overall HEDIS submission which is the HEDIS measurement year.
General Trend:	Indicates whether high values are better or low values are better for the measure.
Statistical Method:	The methodology used for assigning stars in this measure; see the section entitled “Methodology for Assigning Part C and Part D Measure Star Ratings” for an explanation of each of the possible entries in this sub-section.
Improvement Measure:	Indicates whether this measure is included in the improvement measure.
CAI Usage:	Indicates if the measure is used in the Categorical Adjustment Index calculation.
Case-Mix Adjusted:	Indicates if the data are case mix adjusted prior to being used for the Star Ratings.
Weighting Category:	The weighting category of this measure.
Weighting Value:	The numeric weight for this measure in the summary and overall rating calculations.
Meaningful Measure Area:	Contains the area where this measure fits into the Meaningful Measure Framework.
NQF #:	The National Quality Framework (NQF) number for the measure or “None” if there is no equivalent measure with NQF endorsement.
Data Display:	The format used to the display the numeric data on Medicare.gov
Reporting Requirements:	Table indicating which organization types are required to report the measure. “Yes” for organizations required to report; “No” for organizations not required to report.
Cut Points:	Table containing the cut points used in the measure. For CAHPS measures, the table contains the Base Group cut points which are used prior to the final star assignment rules being applied.

See [Attachment C](#) for the national averages of individual Part C measures.

Domain: 1 - Staying Healthy: Screenings, Tests and Vaccines

Measure: C01 - Breast Cancer Screening

Title	Description
Label for Stars: Breast Cancer Screening	
Label for Data: Breast Cancer Screening	
Description: Percent of female plan members aged 52-74 who had a mammogram during the past two years.	
HEDIS Label: Breast Cancer Screening (BCS)	
Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 98	
Metric: The percentage of women MA enrollees 50 to 74 years of age (denominator) who had a mammogram to screen for breast cancer (numerator).	
Primary Data Source: HEDIS	
Data Source Category: Health and Drug Plans	
Exclusions:	• Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following: – Enrolled in an Institutional SNP (I-SNP) any time during the measurement year. – Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year. • Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria: – At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits. – At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set). – A dispensed dementia medication (Dementia Medications List). (optional) Bilateral mastectomy any time during the member's history through December 31 of the measurement year. Any of the following meet criteria for bilateral mastectomy: • Bilateral mastectomy (Bilateral Mastectomy Value Set). • Unilateral mastectomy (Unilateral Mastectomy Value Set) with a bilateral modifier (Bilateral Modifier Value Set). • Two unilateral mastectomies (Unilateral Mastectomy Value Set) with service dates 14 days or more apart. For example, if the service date for the first unilateral mastectomy was February 1 of the measurement year, the service date for the second unilateral mastectomy must be on or after February 15. • Both of the following (on the same or a different date of service): – Unilateral mastectomy (Unilateral Mastectomy Value Set) with a right-side modifier (Right Modifier Value Set) (same date of service). – Unilateral mastectomy (Unilateral Mastectomy Value Set) with a left-side modifier (Left Modifier Value Set) (same date of service). • Absence of the left breast (Absence of Left Breast Value Set) and absence of the

Title**Description**

right breast (Absence of Right Breast Value Set) on the same or different date of service.

- History of bilateral mastectomy (History of Bilateral Mastectomy Value Set).
- Left unilateral mastectomy (Unilateral Mastectomy Left Value Set) and right unilateral mastectomy (Unilateral Mastectomy Right Value Set) on the same or different date of service.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Preventive Care

NQF #: 2372

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 42 %	>= 42 % to < 61 %	>= 61 % to < 69 %	>= 69 % to < 76 %	>= 76 %

Measure: C02 - Colorectal Cancer Screening

Title**Description**

Label for Stars: Colorectal Cancer Screening

Label for Data: Colorectal Cancer Screening

Description: Percent of plan members aged 50-75 who had appropriate screening for colon cancer.

HEDIS Label: Colorectal Cancer Screening (COL)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 109

Metric: The percentage of MA enrollees aged 50 to 75 (denominator) who had appropriate screenings for colorectal cancer (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: • Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
– Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.

Title**Description**

- Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
- Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year.

(optional) Refer to Administrative Specification for exclusion criteria. Exclusionary evidence in the medical record must include a note indicating colorectal cancer or total colectomy any time during the member's history through December 31 of the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Preventive Care

NQF #: 0034

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 49 %	>= 49 % to < 62 %	>= 62 % to < 71 %	>= 71 % to < 80 %	>= 80 %

Measure: C03 - Annual Flu Vaccine

Title**Description**

Label for Stars: Yearly Flu Vaccine

Label for Data: Yearly Flu Vaccine

Description: Percent of plan members who got a vaccine (flu shot).

Metric: The percentage of sampled Medicare enrollees (denominator) who received an influenza vaccination (numerator).

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Question (question number varies depending on survey type):

- Have you had a flu shot since July 1, 2020?

Data Source Category: Survey of Enrollees

Title**Description**

General Notes: This measure is not case-mix adjusted.

CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2021 – 05/2021

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Preventive Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 65	>= 65 to < 70	>= 70 to < 76	>= 76 to < 80	>= 80

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C04 - Monitoring Physical Activity

Title**Description**

Label for Stars: Monitoring Physical Activity

Label for Data: Monitoring Physical Activity

Description: Percent of senior plan members who discussed exercise with their doctor and were advised to start, increase, or maintain their physical activity during the year.

HEDIS Label: Physical Activity in Older Adults (PAO)

Measure Reference: NCQA HEDIS 2020 Specifications for The Medicare Health Outcomes Survey Volume 6, page 37

Metric: The percentage of sampled Medicare members 65 years of age or older who had a doctor's visit in the past 12 months (denominator) and who received advice to start, increase or maintain their level exercise or physical activity (numerator).

Primary Data Source: HEDIS / HOS

Data Source Description: Cohort 21 Follow-up Data collection (2020) and Cohort 23 Baseline data collection (2020).

HOS Survey Question 46: In the past 12 months, did you talk with a doctor or other health provider about your level of exercise or physical activity? For example, a doctor or other health provider may ask if you exercise regularly or take part in physical exercise.

Title**Description**

HOS Survey Question 47: In the past 12 months, did a doctor or other health care provider advise you to start, increase or maintain your level of exercise or physical activity? For example, in order to improve your health, your doctor or other health provider may advise you to start taking the stairs, increase walking from 10 to 20 minutes every day or to maintain your current exercise program.

Data Source Category: Survey of Enrollees

Exclusions: Members who responded "I had no visits in the past 12 months" to Question 46 are excluded from results calculations for Question 47. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 08/17/2020 – 11/09/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2019 disasters.

Meaningful Measure Area: Preventive Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 42 %	>= 42 % to < 47 %	>= 47 % to < 52 %	>= 52 % to < 57 %	>= 57 %

Domain: 2 - Managing Chronic (Long Term) Conditions**Measure: C05 - Special Needs Plan (SNP) Care Management**

Title	Description
Label for Stars:	Members Whose Plan Did an Assessment of Their Health Needs and Risks
Label for Data:	Members Whose Plan Did an Assessment of Their Health Needs and Risks
Description:	Percent of members whose plan did an assessment of their health needs and risks in the past year. The results of this review are used to help the member get the care they need.
	(Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)
Metric:	This measure is defined as the percent of eligible Special Needs Plan (SNP) enrollees who received a health risk assessment (HRA) during the measurement year. The denominator for this measure is the sum of the number of new enrollees due for an Initial HRA (Element A) and the number of enrollees eligible for an annual reassessment HRA (Element B). The numerator for this measure is the sum of the number of initial HRAs performed on new enrollees (Element C) and the number of annual reassessments performed on enrollees eligible for a reassessment (Element F). The equation for calculating the SNP Care Management Assessment Rate is:
	$\frac{\begin{aligned} &[\text{Number of initial HRAs performed on new enrollees (Element C)} \\ &+ \text{Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)}] \\ &/ [\text{Number of new enrollees due for an Initial HRA (Element A)} \\ &+ \text{Number of enrollees eligible for an annual reassessment HRA (Element B)}] \end{aligned}}$
Primary Data Source:	Part C Plan Reporting
Data Source Description:	Data reported by contracts to CMS per the Part C Reporting Requirements. Validation for data performed during the 2020 Data Validation cycle.
Data Source Category:	Health and Drug Plans
Exclusions:	Contracts and PBPs with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2021) are excluded and listed as "No data available."
	SNP Care Management Assessment Rates are not provided for contracts that did not score at least 95% on data validation for the SNP Care Management reporting section or were not compliant with data validation standards/sub-standards for any of the following SNP Care Management data elements:
	• Number of new enrollees due for an initial HRA (Element A) • Number of enrollees eligible for an annual reassessment HRA (Element B) • Number of initial HRAs performed on new enrollees (Element C) • Number of annual reassessments performed on enrollees eligible for reassessment (Element F)
	Contracts can view their data validation results in HPMS (https://hpms.cms.gov/). From the home page, select Monitoring Plan Reporting Data Validation. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov .
	Contracts excluded from the SNP Care Management Assessment Rates due to data validation issues are shown as "CMS identified issues with this plan's data."

Title

Description

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select "Monitoring," then "Plan Reporting Data Validation." Select the appropriate contract year. Select the PRDVM Reports. Select "Score Detail Report." Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 30 or more enrollees in the denominator [Number of new enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual HRA (Element B) $\geq$ 30] in order to have a calculated rate. Contracts with fewer than 30 eligible enrollees are listed as "No data available."

General Notes: More information about the data used to calculate this measure can be found in [Attachment E](#).

The Part C reporting requirement fields listed below are not used in calculating this measure:

- Data Element D Number of initial HRA refusals
- Data Element E Number of initial HRAs where SNP is unable to reach new enrollees
- Data Element G Number of annual reassessment refusals
- Data Element H Number of annual reassessments where SNP is unable to reach enrollee

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	No	Yes	Yes	No	No	No

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 45 %	$\geq$ 45 % to < 59 %	$\geq$ 59 % to < 73 %	$\geq$ 73 % to < 87 %	$\geq$ 87 %

Measure: C06 - Care for Older Adults – Medication Review

Title	Description														
Label for Stars:	Yearly Review of All Medications and Supplements Being Taken														
Label for Data:	Yearly Review of All Medications and Supplements Being Taken														
Description:	Percent of plan members whose doctor or clinical pharmacist reviewed a list of everything they take (prescription and non-prescription drugs, vitamins, herbal remedies, other supplements) at least once a year. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)														
HEDIS Label:	Care for Older Adults (COA) – Medication Review														
Measure Reference:	NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 121														
Metric:	The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one medication review (Medication Review Value Set) conducted by a prescribing practitioner or clinical pharmacist during the measurement year and the presence of a medication list in the medical record (Medication List Value Set) (numerator).														
Primary Data Source:	HEDIS														
Data Source Category:	Health and Drug Plans														
Exclusions:	SNP benefit packages whose enrollment was less than 30 as of February 2019 SNP Comprehensive Report were excluded from this measure.														
General Notes:	The formula used to calculate this measure can be found in Attachment E .														
Data Time Frame:	01/01/2020 – 12/31/2020														
General Trend:	Higher is better														
Statistical Method:	Clustering														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	No														
Weighting Category:	Process Measure														
Weighting Value:	1														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Medication Management														
NQF #:	0553														
Data Display:	Percentage with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>No</td><td>No</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td><td>No</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	No	No	Yes	Yes	No	No	No
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
No	No	Yes	Yes	No	No	No									
Cut Points:	<table><tr><th>1 Star</th><th>2 Stars</th><th>3 Stars</th><th>4 Stars</th><th>5 Stars</th></tr><tr><td>< 48 %</td><td>>= 48 % to < 71 %</td><td>>= 71 % to < 84 %</td><td>>= 84 % to < 95 %</td><td>>= 95 %</td></tr></table>	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	< 48 %	>= 48 % to < 71 %	>= 71 % to < 84 %	>= 84 % to < 95 %	>= 95 %				
1 Star	2 Stars	3 Stars	4 Stars	5 Stars											
< 48 %	>= 48 % to < 71 %	>= 71 % to < 84 %	>= 84 % to < 95 %	>= 95 %											

Measure: C07 - Care for Older Adults – Pain Assessment

Title	Description														
Label for Stars:	Yearly Pain Screening or Pain Management Plan														
Label for Data:	Yearly Pain Screening or Pain Management Plan														
Description:	Percent of plan members who had a pain screening at least once during the year. (Medicare does not collect this information from all plans. Medicare collects it only for Special Needs Plans. These plans are a type of Medicare Advantage plan designed for certain people with Medicare. Some Special Needs Plans are for people with certain chronic diseases and conditions, some are for people who have both Medicare and Medicaid, and some are for people who live in an institution such as a nursing home.)														
HEDIS Label:	Care for Older Adults (COA) – Pain Screening														
Measure Reference:	NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 121														
Metric:	The percentage of Medicare Advantage Special Needs Plan enrollees 66 years and older (denominator) who received at least one pain assessment (Pain Assessment Value Set) plan during the measurement year (numerator).														
Primary Data Source:	HEDIS														
Data Source Category:	Health and Drug Plans														
Exclusions:	SNP benefit packages whose enrollment was less than 30 as of February 2019 SNP Comprehensive Report were excluded from this measure.														
General Notes:	The formula used to calculate this measure can be found in Attachment E .														
Data Time Frame:	01/01/2020 – 12/31/2020														
General Trend:	Higher is better														
Statistical Method:	Clustering														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	No														
Weighting Category:	Process Measure														
Weighting Value:	1														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Preventive Care														
NQF #:	Not Applicable														
Data Display:	Percentage with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>No</td><td>No</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td><td>No</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	No	No	Yes	Yes	No	No	No
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
No	No	Yes	Yes	No	No	No									
Cut Points:	<table><tr><th>1 Star</th><th>2 Stars</th><th>3 Stars</th><th>4 Stars</th><th>5 Stars</th></tr><tr><td>< 55 %</td><td>>= 55 % to < 76 %</td><td>>= 76 % to < 87 %</td><td>>= 87 % to < 96 %</td><td>>= 96 %</td></tr></table>	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	< 55 %	>= 55 % to < 76 %	>= 76 % to < 87 %	>= 87 % to < 96 %	>= 96 %				
1 Star	2 Stars	3 Stars	4 Stars	5 Stars											
< 55 %	>= 55 % to < 76 %	>= 76 % to < 87 %	>= 87 % to < 96 %	>= 96 %											

Measure: C08 - Osteoporosis Management in Women who had a Fracture

Title	Description

Label for Stars: Osteoporosis Management

Label for Data: Osteoporosis Management

Description: Percent of female plan members who broke a bone and got screening or treatment for osteoporosis within 6 months.

HEDIS Label: Osteoporosis Management in Women Who Had a Fracture (OMW)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 225

Metric: The percentage of woman MA enrollees 67 - 85 who suffered a fracture (denominator) and who had either a bone mineral density (BMD) test or prescription for a drug to treat osteoporosis in the six months after the fracture (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Members who had a BMD test (Bone Mineral Density Tests Value Set) during the 730 days (24 months) prior to the IESD.
 - Members who had a claim/encounter for osteoporosis therapy (Osteoporosis Medications Value Set) during the 365 days (12 months) prior to the IESD.
 - Members who received a dispensed prescription or had an active prescription to treat osteoporosis (Osteoporosis Medications List) during the 365 days (12 months) prior to the IESD.
 - Members who are enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Members living long-term in an institution any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: 0053

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< 27 %	>= 27 % to < 40 %	>= 40 % to < 50 %	>= 50 % to < 68 %	>= 68 %

Measure: C09 - Diabetes Care – Eye Exam

Title	Description
Label for Stars:	Eye Exam to Check for Damage from Diabetes
Label for Data:	Eye Exam to Check for Damage from Diabetes
Description:	Percent of plan members with diabetes who had an eye exam to check for damage from diabetes during the year.
HEDIS Label:	Comprehensive Diabetes Care (CDC) – Eye Exam (Retinal) Performed
Measure Reference:	NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184
Metric:	The percentage of diabetic MA enrollees 18-75 with diabetes (type 1 and type 2) (denominator) who had an eye exam (retinal) performed during the measurement year (numerator).
Primary Data Source:	HEDIS
Data Source Category:	Health and Drug Plans
Exclusions:	• Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following: – Enrolled in an Institutional SNP (I-SNP) any time during the measurement year. – Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. • Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year.
	(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.
	Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same, with the exception of the HbA1c Control (<7.0%) for a Selected Population denominator.
	If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.
	Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.
	Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Included
Case-Mix Adjusted:	No
Weighting Category:	Process Measure
Weighting Value:	1

Title	Description					
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.					
Meaningful Measure Area:	Management of Chronic Conditions					
NQF #:	0055					
Data Display:	Percentage with no decimal place					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 52 %	>= 52 % to < 62 %	>= 62 % to < 71 %	>= 71 % to < 79 %	>= 79 %	

Measure: C10 - Diabetes Care – Kidney Disease Monitoring

Title	Description
Label for Stars:	Kidney Function Testing for Members with Diabetes
Label for Data:	Kidney Function Testing for Members with Diabetes
Description:	Percent of plan members with diabetes who had a kidney function test during the year.
HEDIS Label:	Comprehensive Diabetes Care (CDC) – Medical Attention for Nephropathy
Measure Reference:	NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184
Metric:	The percentage of diabetic MA enrollees 18-75 with diabetes (type 1 and type 2) (denominator) who had medical attention for nephropathy during the measurement year (numerator).
Primary Data Source:	HEDIS
Data Source Category:	Health and Drug Plans
Exclusions:	- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following: - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year. - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. - Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year. (optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year. Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same, with the exception of the HbA1c Control (<7.0%) for a Selected Population denominator. If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes. Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Title**Description**

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: 0062

Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars		
	< 82 %	>= 82 % to < 88 %	>= 88 % to < 94 %	>= 94 % to < 97 %	>= 97 %		

Measure: C11 - Diabetes Care – Blood Sugar Controlled

Title**Description**

Label for Stars: Plan Members with Diabetes whose Blood Sugar is Under Control

Label for Data: Plan Members with Diabetes whose Blood Sugar is Under Control

Description: Percent of plan members with diabetes who had an A1C lab test during the year that showed their average blood sugar is under control.

HEDIS Label: Comprehensive Diabetes Care (CDC) – HbA1c poor control (>9.0%)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 184

Metric: The percentage of diabetic MA enrollees 18-75 (denominator) whose most recent HbA1c level is greater than 9%, or who were not tested during the measurement year (numerator). (This measure for public reporting is reverse scored so higher scores are better.) To calculate this measure, subtract the submitted rate from 100.

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

- Exclusions:
- Medicare members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
 - Members 66 years of age and older as of December 31 of the measurement year (all product lines) with frailty (Frailty Value Set) and advanced illness during the measurement year.

Title**Description**

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same, with the exception of the HbA1c Control (<7.0%) for a Selected Population denominator.

If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.

(optional) Members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or the year prior to the measurement year and who had a diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.

Organizations that apply optional exclusions must exclude members from the denominator for all indicators. The denominator for all rates must be the same, with the exception of the HbA1c Control (<7.0%) for a Selected Population denominator.

If the member was included in the measure based on claim or encounter data, as described in the event/ diagnosis criteria, the optional exclusions do not apply because the member had a diagnosis of diabetes.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: 0059

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars

Title	Description				
	< 41 %	>= 41 % to < 60 %	>= 60 % to < 72 %	>= 72 % to < 81 %	>= 81 %

Measure: C12 - Rheumatoid Arthritis Management

Title	Description

Label for Stars: Rheumatoid Arthritis Management

Label for Data: Rheumatoid Arthritis Management

Description: Percent of plan members with rheumatoid arthritis who got one or more prescriptions for an anti-rheumatic drug.

HEDIS Label: Disease-Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis (ART)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 220

Metric: The percentage of MA members who were diagnosed with rheumatoid arthritis during the measurement year (denominator), and who were dispensed at least one ambulatory prescription for a disease modifying anti-rheumatic drug (DMARD) (numerator).

Primary Data Source: HEDIS

Data Source Category: Health and Drug Plans

Exclusions: Exclude from Medicare reporting members age 66 and older as of December 31 of the measurement year who meet either of the following:

- Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
- Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File.
 - Use the run date of the file to determine if a member had an LTI flag during the measurement year.

Exclude members from all product lines age 81 and older as of December 31 of the measurement year with frailty.

Exclude members from all product lines age 66 and older as of December 31 of the measurement year with advanced illness and frailty. Members must meet both the frailty and advanced illness criteria to be excluded.

(optional)

- A diagnosis of HIV (HIV Value Set) any time during the member's history through December 31 of the measurement year.
- A diagnosis of pregnancy (Pregnancy Value Set) any time during the measurement year.

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Title	Description					
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.					
Meaningful Measure Area:	Management of Chronic Conditions					
NQF #:	0054					
Data Display:	Percentage with no decimal place					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 68 %	>= 68 % to < 75 %	>= 75 % to < 79 %	>= 79 % to < 85 %	>= 85 %	

Measure: C13 - Reducing the Risk of Falling

Title	Description
Label for Stars:	Reducing the Risk of Falling
Label for Data:	Reducing the Risk of Falling
Description:	Percent of plan members with a problem falling, walking, or balancing who discussed it with their doctor and received a recommendation for how to prevent falls during the year.
HEDIS Label:	Fall Risk Management (FRM)
Measure Reference:	NCQA HEDIS 2020 Specifications for The Medicare Health Outcomes Survey Volume 6, page 40
Metric:	The percentage of Medicare members 65 years of age and older who had a fall or had problems with balance or walking in the past 12 months, who were seen by a practitioner in the past 12 months (denominator) and who received a recommendation for how to prevent falls or treat problems with balance or walking from their current practitioner (numerator).
Primary Data Source:	HEDIS / HOS
Data Source Description:	Cohort 21 Follow-up Data collection (2020) and Cohort 23 Baseline data collection (2020).
	HOS Survey Question 48: A fall is when your body goes to the ground without being pushed. In the past 12 months, did you talk with your doctor or other health provider about falling or problems with balance or walking?
	HOS Survey Question 49: Did you fall in the past 12 months?
	HOS Survey Question 50: In the past 12 months have you had a problem with balance or walking?
	HOS Survey Question 51: Has your doctor or other health provider done anything to help prevent falls or treat problems with balance or walking? Some things they might do include: • Suggest that you use a cane or walker. • Suggest that you do an exercise or physical therapy program. • Suggest a vision or hearing test.
Data Source Category:	Survey of Enrollees
Exclusions:	Members who responded "I had no visits in the past 12 months" to Question 48 or Question 51 are excluded from results calculations. Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than

Title	Description														
	100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.														
Data Time Frame:	08/17/2020 – 11/09/2020														
General Trend:	Higher is better														
Statistical Method:	Clustering														
Improvement Measure:	Included														
CAI Usage:	Included														
Case-Mix Adjusted:	No														
Weighting Category:	Process Measure														
Weighting Value:	1														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2019 disasters.														
Meaningful Measure Area:	Preventable Healthcare Harm														
NQF #:	Not Applicable														
Data Display:	Percentage with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	Yes	Yes	No	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
Yes	Yes	Yes	Yes	Yes	No	Yes									
Cut Points:	<table><tr><th>1 Star</th><th>2 Stars</th><th>3 Stars</th><th>4 Stars</th><th>5 Stars</th></tr><tr><td>< 48 %</td><td>>= 48 % to < 55 %</td><td>>= 55 % to < 64 %</td><td>>= 64 % to < 72 %</td><td>>= 72 %</td></tr></table>	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	< 48 %	>= 48 % to < 55 %	>= 55 % to < 64 %	>= 64 % to < 72 %	>= 72 %				
1 Star	2 Stars	3 Stars	4 Stars	5 Stars											
< 48 %	>= 48 % to < 55 %	>= 55 % to < 64 %	>= 64 % to < 72 %	>= 72 %											

Measure: C14 - Improving Bladder Control

Title	Description
Label for Stars:	Improving Bladder Control
Label for Data:	Improving Bladder Control
Description:	Percent of plan members with a urine leakage problem in the past 6 months who discussed treatment options with a provider.
HEDIS Label:	Management of Urinary Incontinence in Older Adults (MUI)
Measure Reference:	NCQA HEDIS 2020 Specifications for The Medicare Health Outcomes Survey Volume 6, page 34
Metric:	The percentage of Medicare members 65 years of age or older who reported having any urine leakage in the past six months (denominator) and who discussed treatment options for their urinary incontinence with a provider (numerator).
Primary Data Source:	HEDIS / HOS
Data Source Description:	Cohort 21 Follow-up Data collection (2020) and Cohort 23 Baseline data collection (2020).
	HOS Survey Question 42: Many people experience leaking of urine, also called urinary incontinence. In the past six months, have you experienced leaking of urine?
	HOS Survey Question 45: There are many ways to control or manage the leaking of urine, including bladder training exercises, medication and surgery. Have you ever talked with a doctor, nurse, or other health care provider about any of these approaches?
	Member choices must be as follows to be included in the denominator:
	• Q42 = "Yes."

Title**Description**

- Q45 = "Yes" or "No."

The numerator contains the number of members in the denominator who indicated they discussed treatment options for their urinary incontinence with a health care provider.

Member choice must be as follows to be included in the numerator:

- Q45 = "Yes."

Data Source Category: Survey of Enrollees

Exclusions: Contracts must achieve a denominator of at least 100 to obtain a reportable result. If the denominator is less than 100, the measure result will be "Not enough data available." Members with evidence from CMS administrative records of a hospice start date are excluded.

Data Time Frame: 08/17/2020 – 11/09/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2019 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 42 %	>= 42 % to < 45 %	>= 45 % to < 49 %	>= 49 % to < 53 %	>= 53 %

Measure: C15 - Medication Reconciliation Post-Discharge

Title**Description**

Label for Stars: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Label for Data: The Plan Makes Sure Member Medication Records Are Up-to-Date After Hospital Discharge

Description: This shows the percent of plan members whose medication records were updated within 30 days after leaving the hospital. To update the record, a doctor or other health care professional looks at the new medications prescribed in the hospital and compares them with the other medications the patient takes. Updating medication records can help to prevent errors that can occur when medications are changed.

HEDIS Label: Medication Reconciliation Post-Discharge (MRP)

Measure Reference: NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 308

Title	Description														
Metric:	The percentage of discharges from January 1–December 1 of the measurement year for members 18 years of age and older for whom medications were reconciled the date of discharge through 30 days after discharge (31 total days).														
Primary Data Source:	HEDIS														
Data Source Category:	Health and Drug Plans														
Exclusions:	Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.														
	Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.														
Data Time Frame:	01/01/2020 – 12/31/2020														
General Trend:	Higher is better														
Statistical Method:	Clustering														
Improvement Measure:	Included														
CAI Usage:	Included														
Case-Mix Adjusted:	No														
Weighting Category:	Process Measure														
Weighting Value:	1														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Medication Management														
NQF #:	0097														
Data Display:	Percentage with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	Yes	Yes	No	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
Yes	Yes	Yes	Yes	Yes	No	Yes									
Cut Points:	<table><tr><th>1 Star</th><th>2 Stars</th><th>3 Stars</th><th>4 Stars</th><th>5 Stars</th></tr><tr><td>< 39 %</td><td>>= 39 % to < 56 %</td><td>>= 56 % to < 69 %</td><td>>= 69 % to < 82 %</td><td>>= 82 %</td></tr></table>	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	< 39 %	>= 39 % to < 56 %	>= 56 % to < 69 %	>= 69 % to < 82 %	>= 82 %				
1 Star	2 Stars	3 Stars	4 Stars	5 Stars											
< 39 %	>= 39 % to < 56 %	>= 56 % to < 69 %	>= 69 % to < 82 %	>= 82 %											

Measure: C16 - Statin Therapy for Patients with Cardiovascular Disease

Title	Description
Label for Stars:	The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol
Label for Data:	The Plan Makes Sure Members with Heart Disease Get the Most Effective Drugs to Treat High Cholesterol
Description:	This rating is based on the percent of plan members with heart disease who get the right type of cholesterol-lowering drugs. Health plans can help make sure their members are prescribed medications that are more effective for them.
HEDIS Label:	Statin Therapy for Patients with Cardiovascular Disease (SPC)
Measure Reference:	NCQA HEDIS Measurement Year 2020 and Measurement Year 2021 Technical Specifications Volume 2, page 168
Metric:	The percentage of males 21–75 years of age and females 40–75 years of age during the measurement year, who were identified as having clinical atherosclerotic cardiovascular disease (ASCVD) (denominator) and were dispensed at least one high or moderate-intensity statin medication during the measurement year (numerator).
Primary Data Source:	HEDIS

Title	Description

Data Source Category: Health and Drug Plans

Exclusions: Exclude members who meet any of the following criteria:

- Pregnancy (Pregnancy Value Set) during the measurement year or year prior to the measurement year.
- In vitro fertilization (IVF Value Set) in the measurement year or year prior to the measurement year.
- Dispensed at least one prescription for clomiphene (Table SPC-A) during the measurement year or the year prior to the measurement year.
- ESRD (ESRD Value Set) during the measurement year or the year prior to the measurement year.
- Cirrhosis (Cirrhosis Value Set) during the measurement year or the year prior to the measurement year.
- Myalgia, myositis, myopathy, or rhabdomyolysis (Muscular Pain and Disease Value Set) during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year who meet either of the following:
 - Enrolled in an Institutional SNP (I-SNP) any time during the measurement year.
 - Living long-term in an institution any time during the measurement year as identified by the LTI flag in the Monthly Membership Detail Data File. Use the run date of the file to determine if a member had an LTI flag during the measurement year.
- Members 66 years of age and older as of December 31 of the measurement year with frailty (Frailty Value Set) and advanced illness during the measurement year. To identify members with advanced illness, any of the following during the measurement year or the year prior to the measurement year (count services that occur over both years), meet criteria:
 - At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set), ED visits (ED Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with an advanced illness diagnosis (Advanced Illness Value Set). Visit type need not be the same for the two visits.
 - At least one acute inpatient encounter (Acute Inpatient Value Set) with an advanced illness diagnosis (Advanced Illness Value Set).
 - A dispensed dementia medication (Dementia Medications List).

Contracts whose enrollment was at least 500 but less than 1,000 as of the July 2020 enrollment report and having measure score reliability less than 0.7 are excluded.

Contracts whose enrollment was less than 500 as of the July 2020 enrollment report are excluded from this measure.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: Not Applicable

Title**Description**

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 76 %	>= 76 % to < 81 %	>= 81 % to < 84 %	>= 84 % to < 89 %	>= 89 %

Domain: 3 - Member Experience with Health Plan**Measure: C17 - Getting Needed Care**

Title	Description														
Label for Stars:	Ease of Getting Needed Care and Seeing Specialists														
Label for Data:	Ease of Getting Needed Care and Seeing Specialists (on a scale from 0 to 100)														
Description:	Percent of the best possible score the plan earned on how easy it is for members to get needed care, including care from specialists.														
Metric:	This case-mix adjusted composite measure is used to assess how easy it was for a member to get needed care and see specialists. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.														
Primary Data Source:	CAHPS														
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type): • In the last 6 months, how often did you get an appointment to see a specialist as soon as you needed? • In the last 6 months, how often was it easy to get the care, tests or treatment you needed?														
Data Source Category:	Survey of Enrollees														
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.														
Data Time Frame:	03/2021 – 05/2021														
General Trend:	Higher is better														
Statistical Method:	Relative Distribution and Significance Testing														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	Yes														
Weighting Category:	Patients’ Experience and Complaints Measure														
Weighting Value:	2														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Patient's Experience of Care														
NQF #:	0006														
Data Display:	Numeric with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	No	Yes	No	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
Yes	Yes	Yes	No	Yes	No	Yes									
Base Group Cut Points:	<table><tr><th>Base Group 1</th><th>Base Group 2</th><th>Base Group 3</th><th>Base Group 4</th><th>Base Group 5</th></tr><tr><td>< 79</td><td>>= 79 to < 82</td><td>>= 82 to < 84</td><td>>= 84 to < 85</td><td>>= 85</td></tr></table>	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	< 79	>= 79 to < 82	>= 82 to < 84	>= 84 to < 85	>= 85				
Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5											
< 79	>= 79 to < 82	>= 82 to < 84	>= 84 to < 85	>= 85											

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C18 - Getting Appointments and Care Quickly**Title****Description**

Label for Stars: Getting Appointments & Care Quickly

Label for Data: Getting Appointments & Care Quickly (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how quickly members get appointments and care.

Metric: This case-mix adjusted composite measure is used to assess how quickly the member was able to get appointments and care. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you needed care right away, how often did you get care as soon as you needed?
- In the last 6 months, how often did you get an appointment for a check-up or routine care as soon as you needed?
- In the last 6 months, how often did you see the person you came to see within 15 minutes of your appointment time?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2021 – 05/2021

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 2

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Patient's Experience of Care

NQF #: 0006

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 75	>= 75 to < 77	>= 77 to < 80	>= 80 to < 82	>= 82

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C19 - Customer Service

Title	Description														
Label for Stars:	Health Plan Provides Information or Help When Members Need It														
Label for Data:	Health Plan Provides Information or Help When Members Need It (on a scale from 0 to 100)														
Description:	Percent of the best possible score the plan earned on how easy it is for members to get information and help from the plan when needed.														
Metric:	This case-mix adjusted composite measure is used to assess how easy it was for the member to get information and help when needed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.														
Primary Data Source:	CAHPS														
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type): • In the last 6 months, how often did your health plan’s customer service give you the information or help you needed? • In the last 6 months, how often did your health plan’s customer service treat you with courtesy and respect? • In the last 6 months, how often were the forms from your health plan easy to fill out?														
Data Source Category:	Survey of Enrollees														
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.														
Data Time Frame:	03/2021 – 05/2021														
General Trend:	Higher is better														
Statistical Method:	Relative Distribution and Significance Testing														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	Yes														
Weighting Category:	Patients’ Experience and Complaints Measure														
Weighting Value:	2														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Patient's Experience of Care														
NQF #:	0006														
Data Display:	Numeric with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	No	Yes	No	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
Yes	Yes	Yes	No	Yes	No	Yes									
Base Group Cut Points:	<table><tr><th>Base Group 1</th><th>Base Group 2</th><th>Base Group 3</th><th>Base Group 4</th><th>Base Group 5</th></tr><tr><td>< 88</td><td>>= 88 to < 90</td><td>>= 90 to < 91</td><td>>= 91 to < 92</td><td>>= 92</td></tr></table>	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	< 88	>= 88 to < 90	>= 90 to < 91	>= 91 to < 92	>= 92				
Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5											
< 88	>= 88 to < 90	>= 90 to < 91	>= 91 to < 92	>= 92											
These technical notes show the base group cut points for CAHPS measures; please see the Attachment J for the CAHPS Methodology for final star assignment rules.															

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C20 - Rating of Health Care Quality

Title	Description														
Label for Stars:	Member's Rating of Health Care Quality														
Label for Data:	Member's Rating of Health Care Quality (on a scale from 0 to 100)														
Description:	Percent of the best possible score the plan earned from members who rated the quality of the health care they received.														
Metric:	This case-mix adjusted measure is used to assess members' view of the quality of care received from the health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.														
Primary Data Source:	CAHPS														
Data Source Description:	CAHPS Survey Question (question numbers vary depending on survey type): Using any number from 0 to 10, where 0 is the worst health care possible and 10 is the best health care possible, what number would you use to rate all your health care in the last 6 months?														
Data Source Category:	Survey of Enrollees														
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.														
Data Time Frame:	03/2021 – 05/2021														
General Trend:	Higher is better														
Statistical Method:	Relative Distribution and Significance Testing														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	Yes														
Weighting Category:	Patients' Experience and Complaints Measure														
Weighting Value:	2														
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.														
Meaningful Measure Area:	Patient's Experience of Care														
NQF #:	0006														
Data Display:	Numeric with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>No</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	No	Yes	No	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
Yes	Yes	Yes	No	Yes	No	Yes									
Base Group Cut Points:	<table><tr><th>Base Group 1</th><th>Base Group 2</th><th>Base Group 3</th><th>Base Group 4</th><th>Base Group 5</th></tr><tr><td>< 85</td><td>>= 85 to < 86</td><td>>= 86 to < 88</td><td>>= 88 to < 89</td><td>>= 89</td></tr></table>	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	< 85	>= 85 to < 86	>= 86 to < 88	>= 88 to < 89	>= 89				
Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5											
< 85	>= 85 to < 86	>= 86 to < 88	>= 88 to < 89	>= 89											
These technical notes show the base group cut points for CAHPS measures; please see the Attachment J for the CAHPS Methodology for final star assignment rules.															

Measure: C21 - Rating of Health Plan

Title	Description
Label for Stars:	Member's Rating of Health Plan
Label for Data:	Member's Rating of Health Plan (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned from members who rated the health plan.
Metric:	This case-mix adjusted measure is used to assess members' overall view of their health plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.
Primary Data Source:	CAHPS
Data Source Description:	CAHPS Survey Question (question numbers vary depending on survey type): Using any number from 0 to 10, where 0 is the worst health plan possible and 10 is the best health plan possible, what number would you use to rate your health plan?
Data Source Category:	Survey of Enrollees
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.
Data Time Frame:	03/2021 – 05/2021
General Trend:	Higher is better
Statistical Method:	Relative Distribution and Significance Testing
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	Yes
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	2
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.
Meaningful Measure Area:	Patient's Experience of Care
NQF #:	0006
Data Display:	Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	< 85	>= 85 to < 86	>= 86 to < 88	>= 88 to < 90	>= 90

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: C22 - Care Coordination

Title	Description
Label for Stars:	Coordination of Members' Health Care Services
Label for Data:	Coordination of Members' Health Care Services (on a scale from 0 to 100)
Description:	Percent of the best possible score the plan earned on how well the plan coordinates members' care. (This includes whether doctors had the records and information they needed about members' care and how quickly members got their test results.)

Title**Description**

Metric: This case-mix adjusted composite measure is used to assess Care Coordination. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale of 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, when you visited your personal doctor for a scheduled appointment, how often did he or she have your medical records or other information about your care?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did someone from your personal doctor's office follow up to give you those results?
- In the last 6 months, when your personal doctor ordered a blood test, x-ray or other test for you, how often did you get those results as soon as you needed them?
- In the last 6 months, how often did you and your personal doctor talk about all the prescription medicines you were taking?
- In the last 6 months, did you get the help you needed from your personal doctor's office to manage your care among these different providers and services?
- In the last 6 months, how often did your personal doctor seem informed and up-to-date about the care you got from specialists?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2021 – 05/2021

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 2

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Transfer of Health Information and Interoperability

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	No	Yes	No	Yes

Base Group Cut Points:

Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Member Complaints and Changes in the Health Plan's Performance**Measure: C23 - Complaints about the Health Plan**

Title	Description
Label for Stars:	Complaints about the Health Plan (more stars are better because it means fewer complaints)
Label for Data:	Complaints about the Health Plan (lower numbers are better because it means fewer complaints)
Description:	Percent of members filing complaints with Medicare about the health plan.
Metric:	Rate of complaints about the health plan per 1,000 members. For each contract, this rate is calculated as: $\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$
	Number of Days in Period = 366 for leap years, 365 for all other years. - Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data. - Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract. - A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.
Primary Data Source:	Complaints Tracking Module (CTM)
Data Source Description:	Data were obtained from the CTM based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2020 complaints made by June 30, 2021 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis.
Data Source Category:	CMS Administrative Data
Exclusions:	On March 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.
	Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Lower is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	2

Title	Description					
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.					
Meaningful Measure Area:	Patient's Experience of Care					
NQF #:	Not Applicable					
Data Display:	Numeric with 2 decimal places					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	> 1.14	> 0.79 to <= 1.14	> 0.37 to <= 0.79	> 0.17 to <= 0.37	<= 0.17	

Measure: C24 - Members Choosing to Leave the Plan

Title	Description
Label for Stars:	Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)
Label for Data:	Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)
Description:	Percent of plan members who chose to leave the plan.
Metric:	The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2020–December 31, 2020 (numerator) divided by all members enrolled in the contract at any time during 2020 (denominator).
Primary Data Source:	MBDSS
Data Source Description:	Medicare Beneficiary Database Suite of Systems (MBDSS)
Data Source Category:	CMS Administrative Data
Exclusions:	Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically: • Members affected by a contract service area reduction • Members affected by PBP termination • Members in PBPs that were granted special enrollment exceptions • Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into • Members affected by LIS reassignments • Members who are enrolled in employer group plans • Members who were passively enrolled into a Demonstration (MMP) • Contracts with less than 1,000 enrollees • 1876 Cost contract disenrollments into the transition MA contract (H contract) • Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.
General Notes:	This measure includes members with a disenrollment effective date between 1/1/2020 and 12/31/2020 who disenrolled from the contract with any one of the following disenrollment reason codes: 11 - Voluntary Disenrollment through plan

Title**Description**

13 - Disenrollment because of enrollment in another Plan
 14 - Retroactive
 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 2

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Patient's Experience of Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %

Measure: C25 - Health Plan Quality Improvement

Title**Description**

Label for Stars: Improvement (if any) in the Health Plan's Performance

Label for Data: Improvement (if any) in the Health Plan's Performance

Description: This shows how much the health plan's performance improved or declined from one year to the next.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).

If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.

If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures.

Title**Description**

The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2021 and 2022 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2021 and 2022 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Patient Focused Episode of Care

NQF #: Not Applicable

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	Yes	No	Yes

Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	< -0.12	>= -0.12 to < 0	>= 0 to < 0.185185	>= 0.185185 to < 0.34375	>= 0.34375

Domain: 5 - Health Plan Customer Service**Measure: C26 - Plan Makes Timely Decisions about Appeals**

Title	Description
Label for Stars:	Health Plan Makes Timely Decisions about Appeals
Label for Data:	Health Plan Makes Timely Decisions about Appeals
Description:	This rating shows how fast a plan sends information for an independent review. (This description has been updated to better explain the measure. There have been no changes to the measure.)
Metric:	Percent of appeals timely processed by the plan (numerator) out of all the plan's appeals decided by the Independent Review Entity (IRE) (includes upheld, overturned, partially overturned appeals and dismissed because the plan agreed to cover) (denominator). This is calculated as:
	$([\text{Number of Timely Appeals}] / ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}] + [\text{Appeals Dismissed/Plan Agreed to Cover}])) * 100.$
Primary Data Source:	Independent Review Entity (IRE)
Data Source Description:	Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. The timeliness is based on the actual IRE received date and is compared to the date the appeal should have been received by the IRE.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	If the denominator is ≤ 10 , the result is "Not enough data available." Dismissed for reasons other than the plan agreed to cover and Withdrawn appeals are excluded from this measure.
General Notes:	This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.
	The number of timely appeals can be calculated using this formula: $[\text{Number of Timely Appeals}] = ([\text{Appeals Upheld}] + [\text{Appeals Overturned}] + [\text{Appeals Partially Overturned}]) + [\text{Appeals Dismissed/Plan Agreed to Cover}] - [\text{Late}]$
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access
Weighting Value:	2
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.
Meaningful Measure Area:	Appropriate Use of Healthcare
NQF #:	Not Applicable

Title	Description					
Data Display:	Percentage with no decimal place					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 64 %	>= 64 % to < 80 %	>= 80 % to < 90 %	>= 90 % to < 97 %	>= 97 %	

Measure: C27 - Reviewing Appeals Decisions

Title	Description
Label for Stars:	Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer
Label for Data:	Fairness of the Health Plan's Appeal Decisions, Based on an Independent Reviewer
Description:	This rating shows how often an independent reviewer found the health plan's decision to deny coverage to be reasonable. (This description has been updated to better explain the measure. There have been no changes to the measure.)
Metric:	Percent of appeals where a plan's decision was "upheld" by the Independent Review Entity (IRE) (numerator) out of all the plan's appeals (upheld, overturned, and partially overturned appeals only) that the IRE reviewed (denominator). This is calculated as: $([Appeals Upheld] / ([Appeals Upheld] + [Appeals Overturned] + [Appeals Partially Overturned])) * 100.$
Primary Data Source:	Independent Review Entity (IRE)
Data Source Description:	Data were obtained from the Independent Review Entity (IRE) contracted by CMS for Part C appeals. The appeals used in this measure are based on the date in the calendar year the appeal was received by the IRE, not the date a decision was reached by the IRE. If a Reopening occurs and is decided prior to June 30, 2021, the Reopened decision is used in place of the Reconsideration decision. Reopenings decided on or after June 30, 2021 are not reflected in these data the original decision result is used. The results of appeals that occur beyond Level 2 (i.e., Administrative Law Judge or Medicare Appeals Council appeals) are not included in the data.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	If the minimum number of appeals (upheld + overturned + partially overturned) is ≤ 10 , the result is "Not enough data available." Dismissed and Withdrawn appeals are excluded from this measure.
General Notes:	This measure includes all Standard Coverage, Standard Claim, and Expedited appeals received by the IRE, regardless of the appellant. This includes appeals requested by a beneficiary, appeals requested by a party on behalf of a beneficiary, and appeals requested by non-contract providers.
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access
Weighting Value:	2
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Title	Description					
Meaningful Measure Area:	Appropriate Use of Healthcare					
NQF #:	Not Applicable					
Data Display:	Percentage with no decimal place					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	Yes	No
Cut Points:	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	
	< 69 %	>= 69 % to < 84 %	>= 84 % to < 91 %	>= 91 % to < 96 %	>= 96 %	

Measure: C28 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Health Plan
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the health plan's prospective enrollee customer service phone line.
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan's Medicare Part C benefit within seven minutes.
Primary Data Source:	Call Center
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MAOs, MA-PDs, and MMPs under sanction.
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov
Data Time Frame:	02/2021 – 06/2021
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Measures Capturing Access
Weighting Value:	2
Major Disaster:	No adjustment for 2019 or 2020 disasters.
Meaningful Measure Area:	Patient's Experience of Care

Title**Description**

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
No	Yes	Yes	Yes	No	No	Yes

Cut Points:

1 Star	2 Stars	3 Stars	4 Stars	5 Stars
< 32 %	>= 32 % to < 61 %	>= 61 % to < 78 %	>= 78 % to < 94 %	>= 94 %

See [Attachment C](#) for the national averages of individual Part D measures.

Domain: 1 - Drug Plan Customer Service

Measure: D01 - Call Center – Foreign Language Interpreter and TTY Availability

Title	Description														
Label for Stars:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan														
Label for Data:	Availability of TTY Services and Foreign Language Interpretation When Prospective Members Call the Drug Plan														
Description:	Percent of time that TTY services and foreign language interpretation were available when needed by people who called the drug plan’s prospective enrollee customer service line.														
Metric:	The calculation of this measure is the number of completed contacts with the interpreter and TTY divided by the number of attempted contacts. Completed contact with an interpreter is defined as establishing contact with an interpreter and confirming that the customer service representative can answer questions about the plan’s Medicare Part C benefit within eight minutes. Completed TTY contact is defined as establishing contact with and confirming that the customer service representative can answer questions about the plan’s Medicare Part C benefit within seven minutes.														
Primary Data Source:	Call Center														
Data Source Description:	Call center monitoring data collected by CMS. The Customer Service Contact for Prospective Members phone number associated with each contract was monitored.														
Data Source Category:	Data Collected by CMS Contractors														
Exclusions:	Data were collected from contracts that cover U.S territories but were not collected from the following organization types: 1876 Cost, Employer/Union Only Direct Contract PDP, Employer/Union Only Direct Contract PFFS, National PACE, MSA, employer contracts, organizations that did not have a phone number accessible to survey callers, and MA-PDs, PDPs, and MMPs under sanction.														
General Notes:	Specific questions about Call Center Monitoring and requests for detail data should be directed to the CallCenterMonitoring@cms.hhs.gov														
Data Time Frame:	02/2021 – 06/2021														
General Trend:	Higher is better														
Statistical Method:	Clustering														
Improvement Measure:	Included														
CAI Usage:	Not Included														
Case-Mix Adjusted:	No														
Weighting Category:	Measures Capturing Access														
Weighting Value:	2														
Major Disaster:	No adjustment for 2019 or 2020 disasters.														
Meaningful Measure Area:	Patient's Experience of Care														
NQF #:	Not Applicable														
Data Display:	Percentage with no decimal place														
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	No	Yes	Yes	Yes	No	Yes	Yes
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS									
No	Yes	Yes	Yes	No	Yes	Yes									

Title**Description**

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 25 %	>= 25 % to < 59 %	>= 59 % to < 84 %	>= 84 % to < 94 %	>= 94 %
PDP	< 63 %	>= 63 % to < 80 %	>= 80 % to < 89 %	>= 89 % to < 97 %	>= 97 %

Domain: 2 - Member Complaints and Changes in the Drug Plan's Performance**Measure: D02 - Complaints about the Drug Plan**

Title	Description
Label for Stars:	Complaints about the Drug Plan (more stars are better because it means fewer complaints)
Label for Data:	Complaints about the Drug Plan (number of complaints for every 1,000 members). (Lower numbers are better because it means fewer complaints.)
Description:	Percent of members filing complaints with Medicare about the drug plan.
Metric:	Rate of complaints about the drug plan per 1,000 members. For each contract, this rate is calculated as: $\left[\frac{\text{(Total number of all complaints logged into the Complaints Tracking Module (CTM))}}{\text{(Average Contract enrollment)}} \right] * 1,000 * 30 / \text{(Number of Days in Period)}$
	Number of Days in Period = 366 for leap years, 365 for all other years. - Complaints data are pulled after the end of the measurement timeframe to serve as a snapshot of CTM data. - Enrollment numbers used to calculate the complaint rate were based on the average enrollment for the time period measured for each contract. - A contract's failure to follow CMS's CTM Standard Operating Procedures will not result in CMS's adjustment of the data used for these measures.
Primary Data Source:	Complaints Tracking Module (CTM)
Data Source Description:	Data were obtained from the CTM based on the contract entry date (the date that complaints are assigned or re-assigned to contracts; also known as the contract assignment/reassignment date) for the reporting period specified. The status of any specific complaint at the time the data are pulled stands for use in the reports. Any changes to the complaints data subsequent to the data pull cannot be excluded retroactively. CMS allows for an approximate 6-month "wash out" period to account for any adjustments per CMS's CTM Standard Operating Procedures. Therefore, all Plan Requests for 2020 complaints made by June 30, 2021 are captured. Complaint rates per 1,000 enrollees are adjusted to a 30-day basis.
Data Source Category:	CMS Administrative Data
Exclusions:	On March 10, 2019, CMS released an HPMS memo on the Complaints Tracking Module (CTM) Updated Standard Operating Procedures (SOP). Plans should review all complaints at intake and verify the contract assignment and issue level. The APPENDIX A - Category and Subcategory Listing in the SOP lists the subcategories that are excluded.
	Complaint rates are not calculated for contracts with average enrollment of less than 800 enrollees during the measurement period.
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Lower is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Not Included
Case-Mix Adjusted:	No
Weighting Category:	Patients' Experience and Complaints Measure
Weighting Value:	2

Title	Description					
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.					
Meaningful Measure Area:	Patient's Experience of Care					
NQF #:	Not Applicable					
Data Display:	Numeric with 2 decimal places					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	> 1.14	> 0.79 to <= 1.14	> 0.37 to <= 0.79	> 0.17 to <= 0.37	<= 0.17
	PDP	> 0.21	> 0.15 to <= 0.21	> 0.1 to <= 0.15	> 0.03 to <= 0.1	<= 0.03

Measure: D03 - Members Choosing to Leave the Plan

Title	Description
Label for Stars:	Members Choosing to Leave the Plan (more stars are better because it means fewer members choose to leave the plan)
Label for Data:	Members Choosing to Leave the Plan (lower percentages are better because that indicates fewer members choose to leave the plan)
Description:	Percent of plan members who chose to leave the plan.
Metric:	The percent of members who chose to leave the contract comes from disenrollment reason codes in Medicare's enrollment system. The percent is calculated as the number of members who chose to leave the contract between January 1, 2020–December 31, 2020 (numerator) divided by all members enrolled in the contract at any time during 2020 (denominator).
Primary Data Source:	MBDSS
Data Source Description:	Medicare Beneficiary Database Suite of Systems (MBDSS)
Data Source Category:	CMS Administrative Data
Exclusions:	Members who involuntarily left their contract due to circumstances beyond their control are removed from the final numerator, specifically: • Members affected by a contract service area reduction • Members affected by PBP termination • Members in PBPs that were granted special enrollment exceptions • Members affected by PBP service area reductions where there are no PBPs left within the contract that the enrollee is eligible to enroll into • Members affected by LIS reassignments • Members who are enrolled in employer group plans • Members who were passively enrolled into a Demonstration (MMP) • Contracts with less than 1,000 enrollees • 1876 Cost contract disenrollments into the transition MA contract (H contract) • Members who moved out of the service area of the contract from which they disenrolled (based on the member's address as submitted by the plan into which the member enrolled or the member's current SSA address if there is no address submitted by the plan into which the member enrolled) or where the service area of the contract they enrolled into does not intersect with the service area of the contract from which they disenrolled.
General Notes:	This measure includes members with a disenrollment effective date between 1/1/2020 and 12/31/2020 who disenrolled from the contract with any one of the following disenrollment reason codes:

Title**Description**

11 - Voluntary Disenrollment through plan
 13 - Disenrollment because of enrollment in another Plan
 14 - Retroactive
 99 - Other (not supplied by beneficiary).

If all potential members in the numerator meet one or more of the exclusion criteria, the measure result will be "Not enough data available".

The Disenrollment Reasons Survey (DRS) data available in the HPMS plan preview and in the CMS downloadable Master Table, are not used in the calculation of this measure. The DRS data are presented in each of the systems for information purposes only.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Lower is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 2

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Patient's Experience of Care

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
PDP	> 20 %	> 13 % to <= 20 %	> 9 % to <= 13 %	> 6 % to <= 9 %	<= 6 %

Measure: D04 - Drug Plan Quality Improvement

Title**Description**

Label for Stars: Improvement (if any) in the Drug Plan's Performance

Label for Data: Improvement (If any) in the Drug Plan's Performance

Description: This shows how much the drug plan's performance has improved or declined from one year to the next year.

If a plan receives **1 or 2 stars**, it means, on average, the plan's scores **declined** (got worse).

If a plan receives **3 stars**, it means, on average, the plan's scores **stayed about the same**.

If a plan receives **4 or 5 stars**, it means, on average, the plan's scores **improved**.

Keep in mind that a plan that is already doing well in most areas may not show much improvement. It is also possible that a plan can start with low ratings, show a lot of improvement, and still not be performing very well.

Metric: The numerator is the net improvement, which is a weighted sum of the number of significantly improved measures minus the number of significantly declined measures.

Title**Description**

The denominator is the sum of the weights associated with the measures eligible for the improvement measure (i.e., the measures that were included in the 2021 and 2022 Star Ratings for this contract and had no specification changes).

Primary Data Source: Star Ratings

Data Source Description: 2021 and 2022 Star Ratings

Data Source Category: Star Ratings

Exclusions: Contracts must have data in at least half of the measures used to calculate improvement to be rated in this measure.

General Notes: [Attachment H](#) contains the formulas used to calculate the improvement measure and lists indicating which measures were used.

Data Time Frame: Not Applicable

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Not Included

CAI Usage: Not Included

Case-Mix Adjusted: No

Weighting Category: Improvement Measure

Weighting Value: 5

Major Disaster: Includes only measures which have data from both years.

Meaningful Measure Area: Patient Focused Episode of Care

NQF #: Not Applicable

Data Display: Not Applicable

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	< -0.2	>= -0.2 to < 0	>= 0 to < 0.428571	>= 0.428571 to < 0.68421	>= 0.684211
	PDP	NA	NA	>= 0 to < 0.545455	>= 0.545455 to < 0.80952	>= 0.809524

Domain: 3 - Member Experience with the Drug Plan**Measure: D05 - Rating of Drug Plan**

Title	Description																		
Label for Stars:	Members' Rating of Drug Plan																		
Label for Data:	Members' Rating of Drug Plan (on a scale from 0 to 100)																		
Description:	Percent of the best possible score the plan earned from members who rated the prescription drug plan.																		
Metric:	This case-mix adjusted measure is used to assess members' overall view of their prescription drug plan. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.																		
Primary Data Source:	CAHPS																		
Data Source Description:	CAHPS Survey Questions (question numbers vary depending on survey type): Using any number from 0 to 10, where 0 is the worst prescription drug plan possible and 10 is the best prescription drug plan possible, what number would you use to rate your prescription drug plan?																		
Data Source Category:	Survey of Enrollees																		
General Notes:	CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.																		
Data Time Frame:	03/2021 – 05/2021																		
General Trend:	Higher is better																		
Statistical Method:	Relative Distribution and Significance Testing																		
Improvement Measure:	Included																		
CAI Usage:	Not Included																		
Case-Mix Adjusted:	Yes																		
Weighting Category:	Patients' Experience and Complaints Measure																		
Weighting Value:	2																		
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.																		
Meaningful Measure Area:	Patient's Experience of Care																		
NQF #:	Not Applicable																		
Data Display:	Numeric with no decimal place																		
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>No</td><td>Yes</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	No	No	Yes	Yes				
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS													
Yes	Yes	Yes	No	No	Yes	Yes													
Base Group Cut Points:	<table><tr><th>Type</th><th>Base Group 1</th><th>Base Group 2</th><th>Base Group 3</th><th>Base Group 4</th><th>Base Group 5</th></tr><tr><td>MA-PD</td><td>< 84</td><td>>= 84 to < 85</td><td>>= 85 to < 87</td><td>>= 87 to < 88</td><td>>= 88</td></tr><tr><td>PDP</td><td>< 80</td><td>>= 80 to < 82</td><td>>= 82 to < 84</td><td>>= 84 to < 87</td><td>>= 87</td></tr></table>	Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5	MA-PD	< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88	PDP	< 80	>= 80 to < 82	>= 82 to < 84	>= 84 to < 87	>= 87
Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5														
MA-PD	< 84	>= 84 to < 85	>= 85 to < 87	>= 87 to < 88	>= 88														
PDP	< 80	>= 80 to < 82	>= 82 to < 84	>= 84 to < 87	>= 87														

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Measure: D06 - Getting Needed Prescription Drugs

Title	Description

Label for Stars: Ease of Getting Prescriptions Filled When Using the Plan

Label for Data: Ease of Getting Prescriptions Filled When Using the Plan (on a scale from 0 to 100)

Description: Percent of the best possible score the plan earned on how easy it is for members to get the prescription drugs they need using the plan.

Metric: This case-mix adjusted measure is used to assess the ease with which a beneficiary gets the medicines their doctor prescribed. The Consumer Assessment of Healthcare Providers and Systems (CAHPS) score uses the mean of the distribution of responses converted to a scale from 0 to 100. The score shown is the percentage of the best possible score each contract earned.

Primary Data Source: CAHPS

Data Source Description: CAHPS Survey Questions (question numbers vary depending on survey type):

- In the last 6 months, how often was it easy to use your prescription drug plan to get the medicines your doctor prescribed?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription at your local pharmacy?
- In the last 6 months, how often was it easy to use your prescription drug plan to fill a prescription by mail?

Data Source Category: Survey of Enrollees

General Notes: CAHPS Survey results were sent to each contract's Medicare Compliance Officer in August 2021. These reports provide further explanation of the CAHPS scoring methodology and provide detailed information on why a specific rating was assigned.

Data Time Frame: 03/2021 – 05/2021

General Trend: Higher is better

Statistical Method: Relative Distribution and Significance Testing

Improvement Measure: Included

CAI Usage: Not Included

Case-Mix Adjusted: Yes

Weighting Category: Patients' Experience and Complaints Measure

Weighting Value: 2

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Patient's Experience of Care

NQF #: Not Applicable

Data Display: Numeric with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	No	No	Yes	Yes

Base Group Cut Points:	Type	Base Group 1	Base Group 2	Base Group 3	Base Group 4	Base Group 5
	MA-PD	< 89	>= 89 to < 90	>= 90 to < 91	>= 91 to < 92	>= 92
	PDP	< 89	>= 89 to < 90	>= 90 to < 91	>= 91 to < 92	>= 92

These technical notes show the base group cut points for CAHPS measures; please see the [Attachment J](#) for the CAHPS Methodology for final star assignment rules.

Domain: 4 - Drug Safety and Accuracy of Drug Pricing**Measure: D07 - MPF Price Accuracy**

Title	Description
Label for Stars:	Plan Provides Accurate Drug Pricing Information for This Website
Label for Data:	Plan Provides Accurate Drug Pricing Information for This Website (higher scores are better because they mean more accurate prices)
Description:	A score comparing the prices members actually pay for their drugs to the drug prices the plan provided for this website (Medicare's Plan Finder website). Higher scores are better because they mean the plan provided more accurate prices
Metric:	This measure evaluates the accuracy of drug prices posted on the MPF tool. A contract's score is based on the accuracy index, or magnitude of difference, and the claim percentage index, or frequency of difference.
	The accuracy index – or magnitude of difference - considers both ingredient cost and dispensing fee and measures the amount that the PDE price is higher than the MPF price. The claim percentage index – or frequency of difference - also considers both ingredient cost and dispensing fee while measuring how often the PDE price is higher than the MPF price. Therefore, prices that are overstated on MPF—that is, the reported price is higher than the actual price—will not count against a plan's score.
	The accuracy index is computed as: (Total amount that PDE is higher than PF + Total PDE cost) / (Total PDE cost).
	The claim percentage index is computed as: (Total number of PDEs where PDE cost is higher than PF) / (Total number of PDEs).
	The best possible accuracy index is 1 and claim percentage index is 0. Indexes with these values indicate that a plan did not have PDE prices greater than MPF prices.
	A contract's score is computed using its accuracy index and claim percentage index as: $.5 \times (100 - ((\text{accuracy index} - 1) \times 100)) + .5 \times ((1 - \text{claim percentage index}) \times 100)$.
Primary Data Source:	PDE data, MPF Pricing Files
Data Source Description:	Data used in this measure are obtained from a number of sources: PDE data and MPF Pricing Files are the primary data sources. The HPMS-approved formulary extracts, and data from First DataBank and Medi-span are also used. Post-reconciliation PDE adjustments are not reflected in this measure.
Data Source Category:	Data Collected by CMS Contractors
Exclusions:	A contract with less than 30 PDE claims over the measurement period. PDEs must also meet the following criteria: • If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible. • Drug must appear in formulary file and in MPF pricing file • PDE must be a 28-34, 60-62, or 90-93 day supply. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan.

Title	Description																		
	• Date of service must occur at a time that data are not suppressed for the plan on MPF • PDE must not be a compound claim • PDE must not be a non-covered drug																		
General Notes:	Please see Attachment L : Methodology for Price Accuracy Measure for more information about this measure.																		
Data Time	01/01/2020 – 09/30/2020																		
Frame:																			
General Trend:	Higher is better																		
Statistical Method:	Clustering																		
Improvement Measure:	Not Included																		
CAI Usage:	Not Included																		
Case-Mix Adjusted:	No																		
Weighting Category:	Process Measure																		
Weighting Value:	1																		
Major Disaster:	No adjustment for 2019 or 2020 disasters.																		
Meaningful Measure Area:	Transfer of Health Information and Interoperability																		
NQF #:	Not Applicable																		
Data Display:	Numeric with no decimal place																		
Reporting Requirements:	<table><tr><th>1876 Cost</th><th>CCP w/o SNP</th><th>CCP with SNP</th><th>CCP with Only I-SNP</th><th>MSA</th><th>PDP</th><th>PFFS</th></tr><tr><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td><td>No</td><td>Yes</td><td>Yes</td></tr></table>	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS	Yes	Yes	Yes	Yes	No	Yes	Yes				
1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS													
Yes	Yes	Yes	Yes	No	Yes	Yes													
Cut Points:	<table><tr><th>Type</th><th>1 Star</th><th>2 Stars</th><th>3 Stars</th><th>4 Stars</th><th>5 Stars</th></tr><tr><td>MA-PD</td><td>< 73</td><td>>= 73 to < 83</td><td>>= 83 to < 91</td><td>>= 91 to < 96</td><td>>= 96</td></tr><tr><td>PDP</td><td>< 84</td><td>>= 84 to < 88</td><td>>= 88 to < 94</td><td>>= 94 to < 97</td><td>>= 97</td></tr></table>	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars	MA-PD	< 73	>= 73 to < 83	>= 83 to < 91	>= 91 to < 96	>= 96	PDP	< 84	>= 84 to < 88	>= 88 to < 94	>= 94 to < 97	>= 97
Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars														
MA-PD	< 73	>= 73 to < 83	>= 83 to < 91	>= 91 to < 96	>= 96														
PDP	< 84	>= 84 to < 88	>= 88 to < 94	>= 94 to < 97	>= 97														

Measure: D08 - Medication Adherence for Diabetes Medications

Title	Description
Label for Stars:	Taking Diabetes Medication as Directed
Label for Data:	Taking Diabetes Medication as Directed
Description:	Percent of plan members with a prescription for diabetes medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.
	One of the most important ways people with diabetes can manage their health is by taking their medication as directed. The plan, the doctor, and the member can work together to find ways to do this. ("Diabetes medication" means a <i>biguanide drug</i>, a <i>sulfonylurea drug</i>, a <i>thiazolidinedione drug</i>, a <i>DPP-4 inhibitor</i>, a GLP-1 receptor agonist, a <i>meglitinide drug</i>, or an <i>SGLT2 inhibitor</i>. Plan members who take insulin are not included.)
Metric:	This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy across classes of diabetes medications: biguanides, sulfonylureas, thiazolidinediones, DiPeptidyl Peptidase (DPP)-4 Inhibitors, GLP-1 receptor agonists, meglitinides, and sodium glucose cotransporter 2

Title

Description

(SGLT2) inhibitors. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher across the classes of diabetes medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two fills of diabetes medication(s) on unique dates of service during the measurement period (denominator).

The PDC is the percent of days in the measurement period “covered” by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their diabetes medication occurs at least 91 days before the end of the enrollment period.

The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).

See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list and obsolete NDC date methodology maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.

Primary Data Source: Prescription Drug Event (PDE) data

Data Source Description: The data for this measure come from PDE data submitted by drug plans to CMS Drug Data Processing Systems (DDPS) and accepted by the 2020 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2020-December 31, 2020. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2020 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for diabetes medication(s). PDE adjustments made post-reconciliation were not reflected in this measure.

Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS).

- CME is used for enrollment information.
- EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period).
- CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available).
- EDS is used to identify diagnoses based on ICD-10 CM codes, and SNF/IP stays for MA-PD beneficiaries.
- RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).

Data Source Category: Health and Drug Plans

Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period:

Title**Description**

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates
- One or more prescriptions for insulin

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by the active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment for IP/SNF stays. Please see [Attachment K: Medication Adherence Measure Calculations](#) for more information about these calculation adjustments.

When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: 0541

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %

Measure: D09 - Medication Adherence for Hypertension (RAS antagonists)

Title	Description
Label for Stars: Taking Blood Pressure Medication as Directed	
Label for Data: Taking Blood Pressure Medication as Directed	
Description:	Percent of plan members with a prescription for a blood pressure medication who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication. One of the most important ways people with high blood pressure can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this. ("Blood pressure medication" means an <i>ACE (angiotensin converting enzyme) inhibitor</i>, an <i>ARB (angiotensin receptor blocker)</i>, or a <i>direct renin inhibitor drug</i>.)
Metric:	This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for renin angiotensin system (RAS) antagonists: angiotensin converting enzyme inhibitor (ACEI), angiotensin receptor blocker (ARB), or direct renin inhibitor medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for RAS antagonist medications during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two RAS antagonist medication fills on unique dates of service during the measurement period (denominator). The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in its therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their RAS antagonist medication occurs at least 91 days before the end of the enrollment period. The Part D Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA). See the medication list for this measure. The Part D Medication Adherence rate is calculated using the National Drug Code (NDC) list and obsolete NDC date methodology maintained by the PQA. The complete NDC list, including diagnosis codes, is posted along with these technical notes.
Primary Data Source:	Prescription Drug Event (PDE) data
Data Source Description:	The data for this measure come from PDE data submitted to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2020 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2020-December 31, 2020. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term "final action" PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2020 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for RAS antagonist medication(s). PDE adjustments made post-reconciliation were not reflected in this measure.

Title	Description
	Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), and the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10 CM codes, and SNF/IP stays for MA-PD beneficiaries. • RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).
Data Source Category:	Health and Drug Plans
Exclusions:	Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period: • Hospice enrollment • ESRD diagnosis or dialysis coverage dates • One or more prescriptions for sacubitril/valsartan
General Notes:	Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.
	The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).
	The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see Attachment K: Medication Adherence Measure Calculations for more information about these calculation adjustments.
	When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period.
Data Time Frame:	01/01/2020 – 12/31/2020
General Trend:	Higher is better
Statistical Method:	Clustering
Improvement Measure:	Included
CAI Usage:	Included

Title	Description					
Case-Mix Adjusted:	No					
Weighting Category:	Intermediate Outcome Measure					
Weighting Value:	3					
Major Disaster:	Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.					
Meaningful Measure Area:	Management of Chronic Conditions					
NQF #:	0541					
Data Display:	Percentage with no decimal place					
Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP
	Yes	Yes	Yes	Yes	No	Yes
Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	< 74 %	>= 74 % to < 82 %	>= 82 % to < 87 %	>= 87 % to < 90 %	>= 90 %
	PDP	< 85 %	>= 85 % to < 88 %	>= 88 % to < 89 %	>= 89 % to < 91 %	>= 91 %

Measure: D10 - Medication Adherence for Cholesterol (Statins)

Title	Description
Label for Stars:	Taking Cholesterol Medication as Directed
Label for Data:	Taking Cholesterol Medication as Directed
Description:	Percent of plan members with a prescription for a cholesterol medication (a <i>statin drug</i>) who fill their prescription often enough to cover 80% or more of the time they are supposed to be taking the medication.
	One of the most important ways people with high cholesterol can manage their health is by taking medication as directed. The plan, the doctor, and the member can work together to do this.
Metric:	This measure is defined as the percent of Medicare Part D beneficiaries 18 years and older who adhere to their prescribed drug therapy for statin cholesterol medications. This percentage is calculated as the number of member-years of enrolled beneficiaries 18 years and older with a proportion of days covered (PDC) at 80 percent or higher for statin cholesterol medication(s) during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 18 years and older with at least two statin cholesterol medication fills on unique dates of service during the measurement period (denominator).
	The PDC is the percent of days in the measurement period "covered" by prescription claims for the same medication or another in the therapeutic category. Beneficiaries are only included in the measure calculation if the first fill of their statin medication occurs at least 91 days before the end of the enrollment period.
	The Medication Adherence measure is adapted from the Medication Adherence-Proportion of Days Covered measure that was developed and endorsed by the Pharmacy Quality Alliance (PQA).
	See the medication list for this measure. The Medication Adherence rate is calculated using the National Drug Code (NDC) list and obsolete NDC date methodology maintained by the PQA. The complete NDC list is posted along with these technical notes.
Primary Data Source:	Prescription Drug Event (PDE) data

Title	Description
Data Source Description:	The data for this measure come from PDE data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2020 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2020-December 31, 2020. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2020 PDE submission deadline are used to calculate this measure. PDE claims are limited to members who received at least two prescriptions on unique dates of service for statin medication. PDE adjustments made post-reconciliation were not reflected in this measure. Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes, inpatient (IP) and skilled nursing facility (SNF) stays for PDPs and MA-PDs (if available). • EDS is used to identify diagnoses based on ICD-10 CM codes, and SNF/IP stays for MA-PD beneficiaries. • RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).
Data Source Category:	Health and Drug Plans Exclusions: Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are also excluded from the denominator if at any time during the measurement period: • Hospice enrollment • ESRD diagnosis or dialysis coverage dates
General Notes:	Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode. The measure is weighted based on the total number of member-years for each enrollment episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

Title	Description
	The PDC calculation is adjusted for overlapping prescriptions for the same drug which is defined by active ingredient at the generic name level using the NDC list maintained by PQA. The calculation also adjusts for Part D beneficiaries' stays in inpatient (IP) settings, and stays in skilled nursing facilities (SNFs). The discharge date is included as an adjustment day for IP/SNF stays. Please see Attachment K: Medication Adherence Measure Calculations for more information about these calculation adjustments. When available, beneficiary death date from the CME is the end date of a beneficiary's measurement period. Data Time Frame: 01/01/2020 – 12/31/2020 General Trend: Higher is better Statistical Method: Clustering Improvement Measure: Included CAI Usage: Included Case-Mix Adjusted: No Weighting Category: Intermediate Outcome Measure Weighting Value: 3 Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters. Meaningful Measure Area: Management of Chronic Conditions NQF #: 0541 Data Display: Percentage with no decimal place

Reporting Requirements:	1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
	Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
	MA-PD	< 78 %	>= 78 % to < 83 %	>= 83 % to < 87 %	>= 87 % to < 91 %	>= 91 %
	PDP	< 82 %	>= 82 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %

Measure: D11 - MTM Program Completion Rate for CMR

Title	Description
Label for Stars:	Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications
Label for Data:	Members Who Had a Pharmacist (or Other Health Professional) Help them Understand and Manage Their Medications
Description:	Some plan members are in a program (called a <i>Medication Therapy Management</i> program) to help them manage their drugs. The measure shows how many members in the program had an assessment of their medications from the plan. The assessment includes a discussion between the member and a pharmacist (or other health care professional) about all of the member's medications. The member also receives a written summary of the discussion, including an action plan that recommends what the member can do to better understand and use his or her medications.
Metric:	This measure is defined as the percent of Medication Therapy Management (MTM) program enrollees who received a Comprehensive Medication Review (CMR) during the reporting period. Numerator = Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period.

Denominator = Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period and who were enrolled in the MTM program for at least 60 days during the reporting period. Only those beneficiaries who meet the contracts' specified targeting criteria per CMS – Part D requirements pursuant to §423.153(d) of the regulations at any time in the reporting period are included in this measure. Beneficiaries who were in hospice at any point during the reporting period are excluded. Beneficiaries who were enrolled in the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe. The date of enrollment is counted towards the 60 days but the opt-out date is not.

A beneficiary's MTM eligibility, receipt of CMRs, etc., is determined for each contract he/she was enrolled in during the measurement period. Similarly, a contract's CMR completion rate is calculated based on each of its eligible MTM enrolled beneficiaries. For example, a beneficiary must meet the inclusion criteria for the contract to be included in the contract's CMR rate. A beneficiary who is enrolled in two different contracts' MTM programs for 30 days each is therefore excluded from both contracts' CMR rates. The beneficiary is only included in the measure calculation for the contract(s) where they were enrolled at least 60 days. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.

Beneficiaries may be enrolled in MTM based on the contracts' specified targeting criteria per CMS – Part D requirements and/or based on expanded, other plan-specific targeting criteria. Beneficiaries who were initially enrolled in MTM due to other plan-specific (expanded) criteria and then later met the contracts' specified targeting criteria per CMS – Part D requirements at any time in the reporting period are included in this measure. In these cases, a CMR received after the date of MTM enrollment but before the date the beneficiary met the specified targeting criteria per CMS – Part D requirements are included.

Primary Data Source: Part D Plan Reporting

Data Source Description: Additional data sources used to calculate the measure: Medicare Enrollment Database (EDB) File.

Data were reported by contracts to CMS per the Part D Reporting Requirements. Validation of these data was performed retrospectively during the 2021 Data Validation cycle.

Data Source Category: Health and Drug Plans

Exclusions: Contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2021) are excluded and listed as "No data available." The current MTM requirements are waived for the PBPs approved to participate in the Enhanced MTM Model and data on participating PBPs must not be reported per the Part D Reporting Requirements under the current MTM program. This MTM data will instead be reported in accordance with model terms and conditions and not included in the measure calculation.

MTM CMR rates are not provided for contracts that did not score at least 95% on data validation for the Medication Therapy Management Program reporting section or were not compliant with data validation standards/sub-standards for any of the following Medication Therapy Management Program data elements. We define a contract as

Title**Description**

being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- HICN (or MBI) or RRB Number (Element B)
- Met the specified targeting criteria per CMS – Part D requirements (Element F)
- Date of MTM program enrollment (Element I)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element K)
- Received annual CMR with written summary in CMS standardized format (Element P)
- Date(s) of CMR(s) (Element Q)

MTM CMR rates are also not provided for contracts that failed to submit their MTM file and pass system validation by the reporting deadline or who had a missing data validation score for MTM. Contracts excluded from the MTM CMR Rates due to data validation issues are shown as "CMS identified issues with this plan's data." See Attachment M for more details on the MTM CMR completion rate measure scoring methodology.

Contracts can view their data validation results in HPMS (<https://hpms.cms.gov/>). To access this page, from the top menu select "Monitoring," then "Plan Reporting Data Validation." Select the appropriate contract year. Select the PRDVM Reports. Select "Score Detail Report." Select the applicable reporting section. If you cannot see the Plan Reporting Data Validation module, contact CMSHPMS_Access@cms.hhs.gov.

Additionally, contracts must have 31 or more enrollees in the denominator in order to have a calculated rate. Contracts with fewer than 31 eligible enrollees are listed as "Not enough data available".

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Process Measure

Weighting Value: 1

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Medication Management

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 54 %	>= 54 % to < 72 %	>= 72 % to < 82 %	>= 82 % to < 89 %	>= 89 %
PDP	< 31 %	>= 31 % to < 47 %	>= 47 % to < 61 %	>= 61 % to < 74 %	>= 74 %

Measure: D12 - Statin Use in Persons with Diabetes (SUPD)

Title	Description
Label for Stars:	The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol
Label for Data:	The Plan Makes Sure Members with Diabetes Take the Most Effective Drugs to Treat High Cholesterol
Description:	To lower their risk of developing heart disease, most people with diabetes should take cholesterol medication. This rating is based on the percent of plan members with diabetes who take the most effective cholesterol-lowering drugs. Plans can help make sure their members get these prescriptions filled.
Metric:	This measure is defined as the percent of Medicare Part D beneficiaries 40-75 years old who were dispensed at least two diabetes medication fills and received a statin medication fill during the measurement period. The percentage is calculated as the number of member-years of enrolled beneficiaries 40-75 years old who received a statin medication fill during the measurement period (numerator) divided by the number of member-years of enrolled beneficiaries 40-75 years old with at least two diabetes medication fills during the measurement period (denominator).
	The SUPD measure is adapted from the measure concept that was developed and endorsed by the Pharmacy Quality Alliance (PQA).
	See the medication list for this measure. The SUPD measure is calculated using the National Drug Code (NDC) lists updated by the PQA. The complete NDC lists, including diagnosis codes, are posted along with these technical notes.
Primary Data Source:	Prescription Drug Event (PDE) data
Data Source Description:	The data for this measure come from Prescription Drug Event (PDE) data submitted by drug plans to the CMS Drug Data Processing Systems (DDPS) and accepted by the 2020 PDE submission deadline for annual Part D payment reconciliation with dates of service from January 1, 2020 – December 31, 2020. If the PDE edit results in the PDE being rejected by DDPS, then the PDE is not used in the Patient Safety measure calculations. If the PDE edit is informational and therefore, does not result in the PDE being rejected, then the PDE is used in the Patient Safety measure calculations. Reminder, CMS uses the term “final action” PDE to describe the most recently accepted original, adjustment, or deleted PDE record representing a single dispensing event. Original and adjustment final action PDEs submitted by the sponsor and accepted by DDPS prior to the 2020 PDE submission deadline are used to calculate this measure. PDE adjustments made post-reconciliation were not reflected in this measure.
	Additional data sources include the Common Medicare Environment (CME), the Medicare Enrollment Database (EDB), the Common Working File (CWF), the Encounter Data Systems (EDS), and the Risk Adjustment Processing System (RAPS). • CME is used for enrollment information. • EDB is used for hospice enrollment and ESRD status (dialysis start and end dates within the measurement period). • CWF is used to identify exclusion diagnoses based on ICD-10-CM codes. • EDS is used to identify diagnoses based on ICD-10-CM codes. • RAPS is used for diagnosis information, RxHCC - Dialysis Status (most recent available Payment Year).
Data Source Category:	Health and Drug Plans
Exclusions:	Contracts with 30 or fewer enrolled member-years (in the denominator). The following beneficiaries are excluded from the denominator if at any time during the measurement period:

Title**Description**

- Hospice enrollment
- ESRD diagnosis or dialysis coverage dates

General Notes: Part D drugs do not include drugs or classes of drugs, or their medical uses, which may be excluded from coverage or otherwise restricted under section 1927(d)(2) of the Act, except for smoking cessation agents. As such, these drugs, which may be included in the PQA medication or NDC lists, are excluded from CMS analyses. Also, the member-years of enrollment adjustment is made by CMS to account for partial enrollment within the benefit year. Enrollment is measured at the episode level, and inclusion in the measure is determined separately for each episode – i.e., to be included for a given episode, the beneficiary must meet the initial inclusion criteria for the measure during that episode.

The measure is weighted based on the total number of member years for each episode in which the beneficiary meets the measure criteria. For instance, if a beneficiary is enrolled for a three-month episode, disenrolled for a six-month episode, reenrolled for a three-month episode, and meets the measure criteria during each enrollment episode, s/he will count as 0.5 member years in the rate calculation ($3/12 + 3/12 = 6/12$).

Data Time Frame: 01/01/2020 – 12/31/2020

General Trend: Higher is better

Statistical Method: Clustering

Improvement Measure: Included

CAI Usage: Included

Case-Mix Adjusted: No

Weighting Category: Intermediate Outcome Measure

Weighting Value: 3

Major Disaster: Higher measure star (2021-2022) for contracts with 25% or more enrolled affected by 2020 disasters.

Meaningful Measure Area: Management of Chronic Conditions

NQF #: Not Applicable

Data Display: Percentage with no decimal place

Reporting Requirements:

1876 Cost	CCP w/o SNP	CCP with SNP	CCP with Only I-SNP	MSA	PDP	PFFS
Yes	Yes	Yes	Yes	No	Yes	Yes

Cut Points:

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 76 %	>= 76 % to < 80 %	>= 80 % to < 84 %	>= 84 % to < 88 %	>= 88 %
PDP	< 77 %	>= 77 % to < 79 %	>= 79 % to < 82 %	>= 82 % to < 84 %	>= 84 %

CAHPS Case-Mix Adjustment

The CAHPS measures are case-mix adjusted to take into account the mix of enrollees. Case-mix variables include dual eligibility and education among other variables. The table below includes the case-mix variables and shows the case-mix coefficients for each of the CAHPS measures included in the Star Ratings. The coefficients indicate how much higher or lower people with a given characteristic tend to respond compared to otherwise similar people with the baseline value for that characteristic, on the original scale of the item or composite, as presented in plan reports.

For example, for the measure "Getting Appointments and Care Quickly," the model coefficient for "age 75-79" is 0.0165, indicating that respondents in that age range tend to score their plans 0.0165 points higher than otherwise similar people in the 70-74 age range (the baseline or reference category). Similarly, Medicaid dual eligibles tend to respond 0.0333 points lower on this item than otherwise similar non-duals. Contracts with higher proportions of beneficiaries who are in the 75-79 age range will be adjusted downward on this measure to compensate for the positive response tendency of their respondents. Similarly, contracts with higher proportions of respondents who are Medicaid dual eligibles will be adjusted upward on this measure to compensate for their respondents' negative response tendency. The case-mix patterns are not always consistent across measures. Missing case-mix adjusters are imputed as the contract mean.

The composites consist of multiple items, each of which is adjusted separately before combining the adjusted scores into a composite score. In the tables we report the average of the model coefficients for these several items, for each of the categories (rows) of the table, as a summary of the adjustment for the composite. For more detailed information on the application of CAHPS case-mix adjustment, including item-level coefficients, please review the materials at <https://ma-pdpcahps.org/en/scoring-and-star-ratings/>.

Table A-1: Coefficients of Part C CAHPS Measures

Predictor	C03: Annual Flu Vaccine	C17: Getting Needed Care (Comp)	C18: Getting Appointments and Care Quickly (Comp)	C19: Customer Service (Comp)	C20: Rating of Health Care Quality	C21: Rating of Health Plan	C22: Care Coordination (Comp)
Age: 64 or under	N/A	0.0209	0.0072	0.0033	0.0399	-0.0590	0.0132
Age: 65 – 69	N/A	-0.0147	-0.0137	0.0067	-0.0263	-0.0692	0.0011
Age: 75 – 79	N/A	0.0076	0.0165	0.0110	0.0592	0.0730	0.0011
Age: 80 – 84	N/A	0.0134	0.0135	-0.0050	-0.0280	0.0499	-0.0110
Age: 85 and older	N/A	-0.0078	0.0052	-0.0163	0.0455	0.0591	-0.0471
Less than an 8th grade education	N/A	-0.0716	-0.0389	-0.0255	-0.0937	0.0136	-0.0046
Some high school	N/A	-0.0204	-0.0222	-0.0211	-0.0177	0.0733	0.0057
Some college	N/A	-0.0244	-0.0073	-0.0239	-0.0923	-0.1452	-0.0044
College graduate	N/A	-0.0581	-0.0202	-0.0398	-0.1676	-0.2480	-0.0336
More than a bachelor's degree	N/A	-0.0534	-0.0124	-0.0759	-0.1926	-0.2843	-0.0246
General health rating: excellent	N/A	0.0745	0.0836	0.0515	0.3707	0.2565	0.0189
General health rating: very good	N/A	0.0655	0.0581	0.0117	0.1985	0.1354	0.0263
General health rating: fair	N/A	-0.0511	-0.0461	-0.0352	-0.2114	-0.1479	-0.0449
General health rating: poor	N/A	-0.0793	-0.0669	-0.0413	-0.3875	-0.2832	-0.0692
Mental health rating: excellent	N/A	0.1556	0.1060	0.0756	0.4725	0.3643	0.1312
Mental health rating: very good	N/A	0.0692	0.0458	0.0363	0.2282	0.1808	0.0676
Mental health rating: fair	N/A	-0.0537	-0.0168	-0.0234	-0.1744	-0.0721	-0.0344
Mental health rating: poor	N/A	-0.1263	-0.0556	-0.0526	-0.3999	-0.3171	-0.0928
Proxy helped	N/A	-0.0007	-0.0511	-0.0431	-0.0412	0.0037	0.0317
Proxy answered	N/A	0.0327	0.0479	-0.0342	0.1098	-0.0276	0.0589

Predictor	C03: Annual Flu Vaccine	C17: Getting Needed Care (Comp)	C18: Getting Appointments and Care Quickly (Comp)	C19: Customer Service (Comp)	C20: Rating of Health Care Quality	C21: Rating of Health Plan	C22: Care Coordination (Comp)
Medicaid dual eligible	N/A	-0.0426	-0.0333	0.0000	-0.1114	0.2395	-0.0195
Low-income subsidy (LIS)	N/A	-0.0571	-0.0928	0.0310	-0.0236	-0.0795	-0.0056
Asian Language	N/A	-0.1285	-0.2614	-0.2294	0.3081	-0.2369	-0.2465

Table A-2: Coefficients of Part D CAHPS Measures

Predictor	MA-PD D05: Rating of Drug Plan	MA-PD D06: Getting Needed Prescription Drugs (Comp)	PDP D05: Rating of Drug Plan	PDP D06: Getting Needed Prescription Drugs (Comp)
Age: 64 or under	-0.1123	-0.0169	-0.2559	-0.0599
Age: 65 – 69	-0.0815	-0.0169	-0.0715	0.0171
Age: 75 – 79	0.1185	0.0163	0.1282	0.0093
Age: 80 – 84	0.0962	0.0017	0.3069	0.0296
Age: 85 and older	0.2266	0.0139	0.3577	0.0469
Less than an 8th grade education	-0.0309	-0.0736	-0.1390	-0.0504
Some high school	0.0137	-0.0416	0.1416	-0.0454
Some college	-0.1456	-0.0399	-0.0908	-0.0318
College graduate	-0.2635	-0.0470	-0.2164	-0.1095
More than a bachelor's degree	-0.3366	-0.0595	-0.3067	-0.0476
General health rating: excellent	0.2424	0.0187	0.2632	0.0458
General health rating: very good	0.2048	0.0378	0.3116	0.0556
General health rating: fair	-0.1667	-0.0452	-0.1593	-0.0598
General health rating: poor	-0.2875	-0.0821	-0.5318	-0.1404
Mental health rating: excellent	0.3274	0.0972	0.2455	0.0649
Mental health rating: very good	0.1689	0.0607	0.0871	0.0219
Mental health rating: fair	-0.0625	-0.0151	-0.1908	-0.0514
Mental health rating: poor	-0.2182	-0.0853	-0.3990	-0.0558
Proxy helped	-0.1366	-0.0093	-0.1249	-0.0965
Proxy answered	0.0266	0.0689	0.2282	0.0940
Medicaid dual eligible	0.5545	0.0175	0.8806	0.0579
Low-income subsidy (LIS)	0.3072	0.0079	0.7575	0.1201
Asian Language	-0.0080	-0.1468	0.0000	0.0000

First Year Following a Consolidation

In the first year following a consolidation, the measure values for the surviving contract of a consolidation are calculated as the enrollment-weighted mean of all contracts in the consolidation. The month(s) of enrollment used to calculate the enrollment weighted means varies by the type measure. The table below lists the enrollment used for each type of measure and the rule followed to determine the month(s) of enrollment.

Type of Measure	Rule for Which Month of Enrollment is Used	Month(s) of Enrollment Used for 2022 Star Ratings
CAHPS	Enrollment at the time survey sample is pulled	January 2021
Call Center	Average enrollment during the study period	Feb 2021 – June 2021
HOS	Enrollment at the time survey sample is pulled	January 2018
HEDIS/HOS	Enrollment at the time survey sample is pulled	January 2020
HEDIS	Enrollment in July of the measurement period	July 2020
All Other Measures	Enrollment in July of the measurement period	July 2020

Example Calculation

Contract ID	Surviving or Consumed Contract	Value for Breast Cancer Screening (BCS) Measure	July 2020 Enrollment
HAAAA	Surviving	75.13	43,326
HAAAB	Consumed	50.91	20,933

$$\text{Value for BCS for HAAAA} = \frac{75.13 * 43,326 + 50.91 * 20,933}{43,326 + 20,933} = 67.24$$

Second Year Following a Consolidation

In the second year following a consolidation, the measure values for the surviving contract of a consolidation are as reported for CAHPS, call center, HOS, and HEDIS measures. For all other measures, the measure values for the surviving contract of a consolidation are calculated as the enrollment weighted mean of all contracts in the consolidation.

The tables below contain the average of the numeric and star values for each measure reported in the 2022 Star Ratings¹.

Table C-1: National Averages for Part C Measures

Measure ID	Measure Name	Numeric Average	Star Average
C01	Breast Cancer Screening	71%	3.9
C02	Colorectal Cancer Screening	74%	3.9
C03	Annual Flu Vaccine	74%	3.4
C04	Monitoring Physical Activity	50%	3.1
C05	Special Needs Plan (SNP) Care Management	74%	3.6
C06	Care for Older Adults – Medication Review	92%	4.4
C07	Care for Older Adults – Pain Assessment	92%	4.4
C08	Osteoporosis Management in Women who had a Fracture	47%	3.1
C09	Diabetes Care – Eye Exam	73%	3.8
C10	Diabetes Care – Kidney Disease Monitoring	95%	4.2
C11	Diabetes Care – Blood Sugar Controlled	78%	4.3
C12	Rheumatoid Arthritis Management	80%	3.7
C13	Reducing the Risk of Falling	55%	2.5
C14	Improving Bladder Control	46%	2.7
C15	Medication Reconciliation Post-Discharge	68%	3.5
C16	Statin Therapy for Patients with Cardiovascular Disease	84%	3.5
C17	Getting Needed Care	83	3.6
C18	Getting Appointments and Care Quickly	79	3.6
C19	Customer Service	91	3.8
C20	Rating of Health Care Quality	87	3.6
C21	Rating of Health Plan	88	3.5
C22	Care Coordination	87	3.7
C23	Complaints about the Health Plan	0.21	4.7
C24	Members Choosing to Leave the Plan	13%	4.1
C25	Health Plan Quality Improvement	Medicare shows only a Star Rating for this topic	3.7
C26	Plan Makes Timely Decisions about Appeals	96%	4.6
C27	Reviewing Appeals Decisions	95%	4.6
C28	Call Center – Foreign Language Interpreter and TTY Availability	92%	4.6

¹ All contracts are weighted equally in these averages and averages were calculated after adjustments were made for contracts affected by disasters.

Table C-2: National Averages for Part D Measures

Measure ID	Measure Name	MA-PD Numeric Average	MA-PD Star Average	PDP Numeric Average	PDP Star Average
D01	Call Center – Foreign Language Interpreter and TTY Availability	91%	4.5	91%	4.2
D02	Complaints about the Drug Plan	0.21	4.7	0.06	4.8
D03	Members Choosing to Leave the Plan	14%	4.1	9%	4.2
D04	Drug Plan Quality Improvement	Medicare shows only a Star Rating for this topic	4.2	Medicare shows only a Star Rating for this topic	4.1
D05	Rating of Drug Plan	87	3.4	85	3.8
D06	Getting Needed Prescription Drugs	91	3.8	91	3.9
D07	MPF Price Accuracy	92	4.0	91	3.3
D08	Medication Adherence for Diabetes Medications	86%	3.7	86%	3.9
D09	Medication Adherence for Hypertension (RAS antagonists)	87%	3.9	89%	3.5
D10	Medication Adherence for Cholesterol (Statins)	86%	3.6	87%	3.6
D11	MTM Program Completion Rate for CMR	84%	4.0	54%	3.7
D12	Statin Use in Persons with Diabetes (SUPD)	83%	3.4	81%	3.3

Table D-1: Part C Measure Data Time Frames

Measure ID	Measure Name	Primary Data Source	Data Time Frame
C01	Breast Cancer Screening	HEDIS	01/01/2020 – 12/31/2020
C02	Colorectal Cancer Screening	HEDIS	01/01/2020 – 12/31/2020
C03	Annual Flu Vaccine	CAHPS	03/2021 – 05/2021
C04	Monitoring Physical Activity	HEDIS / HOS	08/17/2020 – 11/09/2020
C05	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	01/01/2020 – 12/31/2020
C06	Care for Older Adults – Medication Review	HEDIS	01/01/2020 – 12/31/2020
C07	Care for Older Adults – Pain Assessment	HEDIS	01/01/2020 – 12/31/2020
C08	Osteoporosis Management in Women who had a Fracture	HEDIS	01/01/2020 – 12/31/2020
C09	Diabetes Care – Eye Exam	HEDIS	01/01/2020 – 12/31/2020
C10	Diabetes Care – Kidney Disease Monitoring	HEDIS	01/01/2020 – 12/31/2020
C11	Diabetes Care – Blood Sugar Controlled	HEDIS	01/01/2020 – 12/31/2020
C12	Rheumatoid Arthritis Management	HEDIS	01/01/2020 – 12/31/2020
C13	Reducing the Risk of Falling	HEDIS / HOS	08/17/2020 – 11/09/2020
C14	Improving Bladder Control	HEDIS / HOS	08/17/2020 – 11/09/2020
C15	Medication Reconciliation Post-Discharge	HEDIS	01/01/2020 – 12/31/2020
C16	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	01/01/2020 – 12/31/2020
C17	Getting Needed Care	CAHPS	03/2021 – 05/2021
C18	Getting Appointments and Care Quickly	CAHPS	03/2021 – 05/2021
C19	Customer Service	CAHPS	03/2021 – 05/2021
C20	Rating of Health Care Quality	CAHPS	03/2021 – 05/2021
C21	Rating of Health Plan	CAHPS	03/2021 – 05/2021
C22	Care Coordination	CAHPS	03/2021 – 05/2021
C23	Complaints about the Health Plan	Complaints Tracking Module (CTM)	01/01/2020 – 12/31/2020
C24	Members Choosing to Leave the Plan	MBDSS	01/01/2020 – 12/31/2020
C25	Health Plan Quality Improvement	Star Ratings	Not Applicable
C26	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE)	01/01/2020 – 12/31/2020
C27	Reviewing Appeals Decisions	Independent Review Entity (IRE)	01/01/2020 – 12/31/2020
C28	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2021 – 06/2021

Measure ID	Measure Name	Primary Data Source	Data Time Frame
D01	Call Center – Foreign Language Interpreter and TTY Availability	Call Center	02/2021 – 06/2021
D02	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	01/01/2020 – 12/31/2020
D03	Members Choosing to Leave the Plan	MBDSS	01/01/2020 – 12/31/2020
D04	Drug Plan Quality Improvement	Star Ratings	Not Applicable
D05	Rating of Drug Plan	CAHPS	03/2021 – 05/2021
D06	Getting Needed Prescription Drugs	CAHPS	03/2021 – 05/2021
D07	MPF Price Accuracy	PDE data, MPF Pricing Files	01/01/2020 – 09/30/2020
D08	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) data	01/01/2020 – 12/31/2020
D09	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) data	01/01/2020 – 12/31/2020
D10	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) data	01/01/2020 – 12/31/2020
D11	MTM Program Completion Rate for CMR	Part D Plan Reporting	01/01/2020 – 12/31/2020
D12	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) data	01/01/2020 – 12/31/2020

1. Medicare Part C Reporting Requirements Measure (C05: SNP Care Management)

Step 1: Start with all contracts that offer at least one SNP plan that was active at any point during contract year 2020.

Step 2: Exclude any PBP that is not required to report data for the contract year 2020 Part C SNP Care Reporting Requirements, based on terminations on or before the end of the contract year. This exclusion is consistent with the statement from page 4 of the CY 2020 Medicare Part C Plan Reporting Requirements Technical Specifications Document: “If a plan terminates before or at the end of its contract year (CY), it is not required to report and/or have its data validated for that CY.” This excludes:

- PBPs that terminate in transition from CY 2020 to CY 2021 according to the plan crosswalk
- Contracts that terminate on or before 12/31/2020 according to the Contract Info extract

We then also **exclude** those that are **not required to undergo data validation (DV)** for the contract year 2020 Part C SNP Care Reporting Requirements, based on terminations on or before the deadline for submission of DV results to CMS. This exclusion is consistent with the following statement under section, Types of Organizations Required to Undergo Data Validation, of the Medicare Part C and Part D Reporting Requirements Data Validation Procedure Manual:

“A sponsoring organization that terminates its contract(s) to offer Medicare Part C and/or Part D benefits, or that is subject to a CMS termination of its contract(s), is not required to undergo a DV review for the final contract year’s reported data. Similarly, for reporting sections that are reported at the plan benefit package (PBP) level, PBPs that terminate are not required to undergo a DV review for the final year’s reported data.”

This excludes: Contracts and PBP with an effective termination data that occurs between 1/1/2021 and 6/30/2021 according to the Contract Info extract

Step 3: After removing contract/PBP data excluded above, suppress contract rates based on the following rules:

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2020 SNP Care Reporting Requirements data are listed as “CMS identified issues with this plan’s data.”

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2020 SNP Care Reporting Requirements data but that failed at least one of the four data elements (elements A, B, C, and F) are listed as “CMS identified issues with this plan’s data.”

Small size: Contracts that have not yet been suppressed and have a SNP Care Assessment rate denominator [Number of New Enrollees due for an Initial HRA (Element A) + Number of enrollees eligible for an annual reassessment HRA (Element B)] of fewer than 30 are listed as “No Data Available.”

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

Step 4: Calculate the rate for the remaining contract/PBPs using the formula:

[Number of initial HRAs performed on new enrollees (Element C)
+ Number of annual reassessments performed on enrollees eligible for a reassessment (Element F)]
/ [Number of new enrollees due for an Initial HRA (Element A)

2. NCQA HEDIS Measures - (C06 – C07: Care for Older Adults)

The example NCQA measure combining methodology specifications below is written for two Plan Benefit Package (PBP) submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

Rates are produced for any contract offering a SNP in the ratings year which provided SNP HEDIS data in the measurement year.

Definitions

Let N_1 = The Total Number of Members Eligible for the HEDIS measure in the first PBP ("fixed" and auditable)

Let N_2 = The Total Number of Members Eligible for the HEDIS measure in the second PBP ("fixed" and auditable)

Let P_1 = The estimated rate (mean) for the HEDIS measure in the first PBP (auditable)

Let P_2 = The estimated rate (mean) for the same HEDIS measure in the second PBP (auditable)

Setup Calculations

Based on the above definitions, there are two additional calculations:

Let W_1 = The weight assigned to the first PBP results (estimated, auditable). This is estimated from the formula $W_1 = N_1 / (N_1 + N_2)$

Let W_2 = The weight assigned to the second PBP results (estimated, auditable). This is estimated from the formula $W_2 = N_2 / (N_1 + N_2)$

Pooled Analysis

The pooled result from the two rates (means) is calculated as $P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$

NOTES:

Weights are based on the eligible member population. While it may be more accurate to remove all excluded members before weighting, NCQA and CMS have chosen not to do this (to simplify the method) for two reasons: 1) the number of exclusions relative to the size of the population should be small, and 2) exclusion rates (as a percentage of the eligible population) should be similar for each PBP and negligibly affect the weights.

If one or more of the submissions has an audit designation of NA, those submissions are dropped and not included in the weighted rate (mean) calculations. If one or more of the submissions has an audit designation of BR or NR (which has been determined to be biased or is not reported by choice of the contract), the rate is set to zero as detailed in the section titled "Handling of Biased, Erroneous and/or Not Reportable (NR) Data" and the average enrollment for the year is used for the eligible population in the PBP.

Numeric Example Using an Effectiveness of Care Rate	
# of Total Members Eligible for the HEDIS measure in PBP 1, N_1 =	1500
# of Total Members Eligible for the HEDIS measure in PBP 2, N_2 =	2500
HEDIS Result for PBP 1, Enter as a Proportion between 0 and 1, P_1 =	0.75
HEDIS Result for PBP 2, Enter as a Proportion between 0 and 1, P_2 =	0.5
Setup Calculations - Initialize Some Intermediate Results	
The weight for PBP 1 product estimated by $W_1 = N_1 / (N_1 + N_2)$	0.375
The weight for PBP 2 product estimated by $W_2 = N_2 / (N_1 + N_2)$	0.625
Pooled Results	
$P_{\text{pooled}} = W_1 * P_1 + W_2 * P_2$	0.59375

Table F-1: Part C Measure Weights

Measure ID	Measure Name	Weighting Category	Part C Summary and MA-PD Overall
C01	Breast Cancer Screening	Process Measure	1
C02	Colorectal Cancer Screening	Process Measure	1
C03	Annual Flu Vaccine	Process Measure	1
C04	Monitoring Physical Activity	Process Measure	1
C05	Special Needs Plan (SNP) Care Management	Process Measure	1
C06	Care for Older Adults – Medication Review	Process Measure	1
C07	Care for Older Adults – Pain Assessment	Process Measure	1
C08	Osteoporosis Management in Women who had a Fracture	Process Measure	1
C09	Diabetes Care – Eye Exam	Process Measure	1
C10	Diabetes Care – Kidney Disease Monitoring	Process Measure	1
C11	Diabetes Care – Blood Sugar Controlled	Intermediate Outcome Measure	3
C12	Rheumatoid Arthritis Management	Process Measure	1
C13	Reducing the Risk of Falling	Process Measure	1
C14	Improving Bladder Control	Process Measure	1
C15	Medication Reconciliation Post-Discharge	Process Measure	1
C16	Statin Therapy for Patients with Cardiovascular Disease	Process Measure	1
C17	Getting Needed Care	Patients' Experience and Complaints Measure	2
C18	Getting Appointments and Care Quickly	Patients' Experience and Complaints Measure	2
C19	Customer Service	Patients' Experience and Complaints Measure	2
C20	Rating of Health Care Quality	Patients' Experience and Complaints Measure	2
C21	Rating of Health Plan	Patients' Experience and Complaints Measure	2
C22	Care Coordination	Patients' Experience and Complaints Measure	2
C23	Complaints about the Health Plan	Patients' Experience and Complaints Measure	2
C24	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	2
C25	Health Plan Quality Improvement	Improvement Measure	5
C26	Plan Makes Timely Decisions about Appeals	Measures Capturing Access	2
C27	Reviewing Appeals Decisions	Measures Capturing Access	2
C28	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	2

Measure ID	Measure Name	Weighting Category	Part D Summary and MA-PD Overall
D01	Call Center – Foreign Language Interpreter and TTY Availability	Measures Capturing Access	2
D02	Complaints about the Drug Plan	Patients' Experience and Complaints Measure	2
D03	Members Choosing to Leave the Plan	Patients' Experience and Complaints Measure	2
D04	Drug Plan Quality Improvement	Improvement Measure	5
D05	Rating of Drug Plan	Patients' Experience and Complaints Measure	2
D06	Getting Needed Prescription Drugs	Patients' Experience and Complaints Measure	2
D07	MPF Price Accuracy	Process Measure	1
D08	Medication Adherence for Diabetes Medications	Intermediate Outcome Measure	3
D09	Medication Adherence for Hypertension (RAS antagonists)	Intermediate Outcome Measure	3
D10*	Medication Adherence for Cholesterol (Statins)	Intermediate Outcome Measure	3
D11*	MTM Program Completion Rate for CMR	Process Measure	1
D12*	Statin Use in Persons with Diabetes (SUPD)	Intermediate Outcome Measure	3

*For contracts whose service area only covers Puerto Rico, the weight for each adherence measure is set to zero (0) when calculating the summary and overall rating.

The weighted summary (or overall) Star Rating for contract j is estimated as:

$$\bar{x}_j = \frac{\sum_{i=1}^{n_j} w_{ij} x_{ij}}{\sum_{i=1}^{n_j} w_{ij}}$$

where n_j is the number of performance measures for which contract j is eligible; w_{ij} is the weight assigned to performance measure i for contract j ; and x_{ij} is the measure star for performance measure i for contract j . The variance of the Star Ratings for each contract j , s_j^2 , must also be computed in order to estimate the reward factor (r-Factor):

$$s_j^2 = \frac{n_j}{(n_j - 1)(\sum_{i=1}^{n_j} w_{ij})} \left[\sum_{i=1}^{n_j} w_{ij} (x_{ij} - \bar{x}_j)^2 \right]$$

Thus, the $\bar{x}_j$'s are the new summary (or overall) Star Ratings for the contracts. The variance estimate, s_j^2 , simply replaces the non-weighted variance estimate that was previously used for the r-Factor calculation. For all contracts j , $w_{ij} = w_i$ (i.e., the performance measure weights are the same for all contracts when estimating a given Star Rating (Part C or Part D summary or MA-PD overall ratings)).

Calculating the Improvement Measure

Contracts must have data for at least half of the attainment measures used to calculate the Part C or Part D improvement measure to be eligible to receive a rating in that improvement measure.

The improvement change score was determined for each measure for which a contract was eligible by calculating the difference in measure scores between Star Rating years 2021 and 2022.

For measures where a higher score is better:

$$\text{Improvement Change Score} = \text{Score in 2022} - \text{Score in 2021}$$

For measures where a lower score is better:

$$\text{Improvement Change Score} = \text{Score in 2021} - \text{Score in 2022}$$

An eligible measure was defined as a measure for which a contract was scored in both the 2021 and 2022 Star Ratings, and there were no significant measure specification changes or a regional contract reconfiguration for which only contract data is available from the original contract in one or both years.

For each measure, significant improvement or decline between Star Ratings years 2021 and 2022 was determined by a two-sided t-test at the 0.05 significance level:

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} > 1.96, \text{ then YES} = \text{significant improvement}$$

$$\text{If } \frac{\text{Improvement Change Score}}{\text{Standard Error of Improvement Change Score}} < -1.96, \text{ then YES} = \text{significant decline}$$

Hold Harmless Provision for Individual Measures: If a contract demonstrated statistically significant decline (at the 0.05 significance level) on an attainment measure for which they received five stars during both the current contract year and the prior contract year, then this measure will be counted as showing no significant change. Measures that are held harmless as described here will be considered eligible for the improvement measure.

Net improvement is calculated for each class of measures (e.g., outcome, access, and process) by subtracting the number of significantly declined measures from the number of significantly improved measures.

$$\text{Net Improvement} = \text{Number of significantly improved measures} - \text{Number of significantly declined measures}$$

The improvement measure score is calculated for Parts C and D separately by taking a weighted sum of net improvement divided by the weighted sum of the number of eligible measures.

Measures are generally weighted as follows:

Outcome or intermediate outcome measure: Weight of 3

Access or patient experience/complaints measure: Weight of 2

Process measure: Weight of 1

Specific weights for each measure, which may deviate from the general scheme above are described in [Attachment F](#). When the weight of an individual measure changes over the two years of data used, the newer weight value is used in the improvement calculation.

$$\text{Improvement Measure Score} = \frac{\text{Net\_Imp\_Process} + 2 * \text{Net\_Imp\_PtExp} + 3 * \text{Net\_Imp\_Outcome}}{\text{Elig\_Process} + 2 * \text{Elig\_PtExp} + 3 * \text{Elig\_Outcome}}$$

Net_Imp_Process = Net improvement for process measures

Net_Imp_PtExp = Net improvement for patient experience/complaints and access measures

Net_Imp_Outcome = Net improvement for outcome and intermediate outcome measures

Elig_Process = Number of eligible process measures

Elig_PtExp = Number of eligible patient experience/complaints and access measures

Elig_Outcome = Number of eligible outcome and intermediate outcome measures

The improvement measure score is converted into a Star Rating using the clustering method. Conceptually, the clustering algorithm identifies the “gaps” in the data and creates cut points that result in the creation of five categories (one for each Star Rating) such that scores of contracts in the same score category (Star Rating) are as similar as possible, and scores of contracts in different categories are as different as possible. Improvement scores of 0 (equivalent to no net change on the attainment measures included in the improvement measure calculation) will be centered at 3 stars when assigning the improvement measure Star Rating. Then, the remaining contracts are split into two groups and clustered: 1) improvement scores less than zero receive one or two stars on the improvement measure and 2) improvement scores greater than or equal to zero receive 3, 4, or 5 stars.

General Standard Error Formula

Because a contract’s score on a given measure in one year is not independent of its score in the next year, the standard error for the improvement change score for each measure is calculated using the standard approach for estimating the variance of the difference between two variables that may not be independent. In particular, the standard error of the improvement change score is calculated using the formula:

$$\sqrt{se(Y_{i2})^2 + se(Y_{i1})^2 - 2 * Cov(Y_{i2}, Y_{i1})}$$

Using measure C01 as an example, the change score standard error is:

$se(Y_{i2})$ Represents the 2022 standard error for contract i on measure C01

$se(Y_{i1})$ Represents the 2021 standard error for contract i on measure C01

Y_{i2} Represents the 2022 rate for contract i on measure C01

Y_{i1} Represents the 2021 rate for contract i on measure C01

cov Represents the covariance between Y_{i2} and Y_{i1} computed using the correlation across all contracts observed at both time points (2022 and 2021). In other words:

$$cov(Y_{i2}, Y_{i1}) = se(Y_{i2}) * se(Y_{i1}) * Corr(Y_{i2}, Y_{i1})$$

where the correlation $Corr(Y_{i2}, Y_{i1})$ is assumed to be the same for all contracts and is computed using data for all contracts. This assumption is needed because only one score is observed for each contract in each year; therefore, it is not possible to compute a contract specific correlation.

Improvement Change Score Standard Error Numerical Example

For measure C03, contract A:

$$se(Y_{i2}) = 2.805$$

$$se(Y_{i1}) = 3.000$$

$$Corr(Y_{i2}, Y_{i1}) = 0.901$$

Improvement change score standard error for measure C03 for contract A = $\sqrt{2.805^2 + 3.000^2 - 2 * 0.901 * 2.805 * 3.000} = 1.305$

Standard Error Formulas (SEF) for Specific Measures

The following formulas are used for calculating the contract-specific standard errors for specific measures in the 2022 Star Ratings. These standard errors are used in calculating the improvement change score standard error.

$$SE_y = \sqrt{\frac{Score_y * (100 - Score_y)}{Denominator_y}}$$

for y = 2021, 2022

Denominator_y is as defined in the Measure Details section for each measure.

2. SEF for Measures: C06, C07

These measures are rolled up from the plan level to the contract level following the formula outlined in “[Attachment E: NCQA HEDIS Measures](#).” The standard error at the contract level is calculated as shown below. The specifications are written for two PBP submissions, which we distinguish as 1 and 2, but the methodology easily extends to any number of submissions.

The plan level standard error is calculated as:

$$SE_{yj} = \sqrt{\frac{Score_{yj} * (100 - Score_{yj})}{Denominator_{yj}}}$$

for y = 2021, 2022 and j = Plan 1, Plan 2

The contract level standard error is then calculated as:

Let W_{y1} = The weight assigned to the first PBP results (estimated, auditable) for year y, where y = 2021, 2022. This result is estimated by the formula $W_{y1} = N_{y1} / (N_{y1} + N_{y2})$

Let W_{y2} = The weight assigned to the second PBP results (estimated, auditable) for year y, where y = 2021, 2022. This result is estimated by the formula

$$W_{y2} = N_{y2} / (N_{y1} + N_{y2})$$

$$SE_{yi} = \sqrt{(W_{y1})^2 * (SE_{y1})^2 + (W_{y2})^2 * (SE_{y2})^2}$$

for y = Contract Year 2021, Contract Year 2022 and i = Contract i

3. SEF for Measures: C03, C17 – C22, and D05, D06

The CAHPS measure standard errors for 2021 and 2022 were provided to CMS by the CAHPS contractor following the formulas documented in the [CAHPS Macro Manual](#). The actual values used for each contract are included on the Measure Detail CAHPS page in the HPMS preview area.

4. SEF for Measures C23, D02

$$SE_y = \sqrt{\frac{\text{Total Number of Complaints}_y}{(\text{Average Contract Enrollment}_y)^2} * \frac{1000 * 30}{\text{NumDays}}}$$

NumDays: 2021 = 365, 2022 = 366

Table H-1: Part C Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
C01	Breast Cancer Screening	Included	0.913775
C02	Colorectal Cancer Screening	Included	0.850379
C03	Annual Flu Vaccine	Included	0.910521
C04	Monitoring Physical Activity	Included	0.788152
C05	Special Needs Plan (SNP) Care Management	Included	0.942420
C06	Care for Older Adults – Medication Review	Included	0.736729
C07	Care for Older Adults – Pain Assessment	Included	0.755806
C08	Osteoporosis Management in Women who had a Fracture	Included	0.859077
C09	Diabetes Care – Eye Exam	Included	0.870609
C10	Diabetes Care – Kidney Disease Monitoring	Included	0.730755
C11	Diabetes Care – Blood Sugar Controlled	Included	0.830188
C12	Rheumatoid Arthritis Management	Included	0.827099
C13	Reducing the Risk of Falling	Included	0.863851
C14	Improving Bladder Control	Included	0.387248
C15	Medication Reconciliation Post-Discharge	Included	0.770412
C16	Statin Therapy for Patients with Cardiovascular Disease	Included	0.662942
C17	Getting Needed Care	Included	0.866520
C18	Getting Appointments and Care Quickly	Included	0.901652
C19	Customer Service	Included	0.808043
C20	Rating of Health Care Quality	Included	0.823226
C21	Rating of Health Plan	Included	0.877050
C22	Care Coordination	Included	0.803061
C23	Complaints about the Health Plan	Included	0.863306
C24	Members Choosing to Leave the Plan	Included	0.896082
C25	Health Plan Quality Improvement	Not Included	-
C26	Plan Makes Timely Decisions about Appeals	Included	0.751799
C27	Reviewing Appeals Decisions	Included	0.783861
C28	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.236221

Table H-2: Part D Measures Used in the Improvement Measure

Measure ID	Measure Name	Measure Usage	Correlation
D01	Call Center – Foreign Language Interpreter and TTY Availability	Included	0.269569
D02	Complaints about the Drug Plan	Included	0.869576
D03	Members Choosing to Leave the Plan	Included	0.897686
D04	Drug Plan Quality Improvement	Not Included	-
D05	Rating of Drug Plan	Included	0.856959
D06	Getting Needed Prescription Drugs	Included	0.775214
D07	MPF Price Accuracy	Not Included	-
D08	Medication Adherence for Diabetes Medications	Included	0.834265
D09	Medication Adherence for Hypertension (RAS antagonists)	Included	0.848225
D10	Medication Adherence for Cholesterol (Statins)	Included	0.856100
D11	MTM Program Completion Rate for CMR	Included	0.903783
D12	Statin Use in Persons with Diabetes (SUPD)	Included	0.876982

Attachment I: Star Ratings Measure History

The tables below cross-reference the measures code in each of the yearly Star Ratings releases. Measure codes that begin with DM are display measures which are posted on CMS.gov on this page: <http://go.cms.gov/partcanddstarratings>.

Table I-1: Part C Measure History

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
C	Access to Primary Care Doctor Visits	HEDIS	DMC09	DMC09	DMC09	DMC09	DMC10	DMC10	DMC11	DMC10	DMC12	DMC12	C11	C13	C12	C13	
C	Adult BMI Assessment	HEDIS		C07	C07	C07	C07	C07	C07	C08	C10	C10	C12	DMC05			
C	Annual Flu Vaccine	CAHPS	C03	C03	C03	C03	C03	C03	C03	C04	C06	C06	C06	C07	C06	C07	
C	Antidepressant Medication Management (6 months)	HEDIS	DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC04	C28	
C	Appropriate Monitoring of Patients Taking Long-term Medications	HEDIS					DMC04	DMC04	DMC05	DMC05	DMC05	DMC05	DMC05	C06	C05	C06	
C	Asthma Medication Ratio	HEDIS					DMC18	DMC27									
C	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	C30	C28	C28	DME08	C31	C31	C32	C33	C30		
C	Breast Cancer Screening	HEDIS	C01	C01	C01	C01	C01	C01	C01	DMC22	C01	C01	C01	C01	C01	C01	
C	Call Answer Timeliness	HEDIS							DMC02	DMC02	DMC02	DMC02	DMC02	DMC02	DMC01	C20	
C	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMC07	DMC07	DMC07	DMC07	DMC08	DMC08	DMC09		DMC09	DMC09	DMC09	C34	C31		
C	Call Center - Calls Disconnected When Customer Calls Health Plan	Call Center Monitoring	DMC01	DMC10	DMC10	DMC10	DMC11	DMC11	DMC12		DMC15	DMC15					
C	Call Center – CSR Understandability	Call Center Monitoring													DMC02		
C	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	C28	C32	C33	C34	C34	C32	C32		C36	C36	C36	C36	C33		
C	Call Center – Information Accuracy	Call Center Monitoring									DMC10	DMC10	DMC10	C35	C32		
C	Cardiovascular Care – Cholesterol Screening	HEDIS								C02	C03	C03	C03	C03		C03	A
C	Care Coordination	CAHPS	C22	C26	C27	C28	C27	C25	C25	C28	C29	C29					
C	Care for Older Adults – Functional Status Assessment	HEDIS		C10	C10	C10	C10	C10	C10	C11	C12	C12	C14				
C	Care for Older Adults – Medication Review	HEDIS	C06	C09	C09	C09	C09	C09	C09	C10	C11	C11	C13				
C	Care for Older Adults – Pain Assessment	HEDIS	C07	C11	C11	C11	C11	C11	C11	C12	C13	C13	C15				
C	Cholesterol Screening	HEDIS													C03		B
C	Colorectal Cancer Screening	HEDIS	C02	C02	C02	C02	C02	C02	C02	C01	C02	C02	C02	C02	C02	C02	

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
C	Complaints about the Health Plan	CTM	C23/ D02	C27/ D04	C28/ D04	C29/ D04	C28/ D04	C26/ D04	C26/ D04	C29/ D03	C30/ D04	C30/ D06	C31/ D06	C30	C26		
C	Computer use by provider helpful	CAHPS						DMC20	DMC21	DMC20							
C	Computer use made talking to provider easier	CAHPS						DMC21	DMC22	DMC21							
C	Computer used during office visits	CAHPS						DMC19	DMC20	DMC19							
C	Continuous Beta Blocker Treatment	HEDIS	DMC03	DMC03	DMC03	DMC03	DMC03	DMC03	DMC04	DMC04	DMC04	DMC04	DMC04	DMC04	DMC05	C32	
C	Controlling Blood Pressure	HEDIS	DMC16	DMC16	DMC17	C16	C16	C16	C16	C18	C19	C19	C21	C19	C15	C29	
C	Customer Service	CAHPS	C19	C23	C24	C25	C24	C22	C22	C25	C26	C26	C28	C27	C23	C22	
C	Diabetes Care	HEDIS													C14		C
C	Diabetes Care – Blood Sugar Controlled	HEDIS	C11	C15	C15	C15	C15	C15	C15	C16	C17	C17	C19	C17		C26	D
C	Diabetes Care – Cholesterol Controlled	HEDIS								C17	C18	C18	C20	C18		C27	D
C	Diabetes Care – Cholesterol Screening	HEDIS								C03	C04	C04	C04	C04		C04	A
C	Diabetes Care – Eye Exam	HEDIS	C09	C13	C13	C13	C13	C13	C13	C14	C15	C15	C17	C15		C24	D
C	Diabetes Care – Kidney Disease Monitoring	HEDIS	C10	C14	C14	C14	C14	C14	C14	C15	C16	C16	C18	C16		C25	D
C	Doctor Follow up for Depression	HEDIS														C15	
C	Doctors who Communicate Well	CAHPS	DMC06	DMC06	DMC06	DMC06	DMC07	DMC07	DMC08	DMC08	DMC08	DMC08	DMC08	C25	C21	C21	
C	Engagement of Alcohol or other Drug Treatment	HEDIS	DMC14	DMC14	DMC14	DMC14	DMC15	DMC15	DMC16	DMC15	DMC19						
C	Enrollment Timeliness	MARx					DMC01	DMC01	DMC01	DMC01	DMC01	C37 / D05	D05	DMC03	DMC03		
C	Follow-up after Emergency Department Visit for Patients with Multiple Chronic Conditions	HEDIS	DMC17	DMC17	DMC18												
C	Follow-up visit after Hospital Stay for Mental Illness (within 30 days of Discharge)	HEDIS	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC01	DMC03	C14	
C	Getting Appointments and Care Quickly	CAHPS	C18	C22	C23	C24	C23	C21	C21	C24	C25	C25	C27	C26	C22	C17	
C	Getting Needed Care	CAHPS	C17	C21	C22	C23	C22	C20	C20	C23	C24	C24	C26	C24	C20	C16	
C	Glaucoma Testing	HEDIS									C05	C05	C05	C05	C04	C05	
C	Grievance Rate	Part C & D Plan Reporting	DMC01	DMC01	DMC01	DMC01	DMC02	DMC02	DMC02	DMC02	DMC13 / DMC11	DMC13 / DMC11					
C	Health Plan Quality Improvement	Star Ratings	C25	C29	C30	C31	C31	C29	C29	C31	C33	C33					
C	Hospitalizations for Potentially Preventable Complications	HEDIS	DMC15	DMC15	DMC15	DMC15	DMC16	DMC24									
C	Improving Bladder Control	HEDIS / HOS	C14	C18	C18	C19	C19	DMC22	DMC23	C20	C21	C21	C23	C22	C18	C33	
C	Improving or Maintaining Mental Health	HOS	DMC27	C05	C05	C05	C05	C05	C05	C06	C08	C08	C09	C10	C09	C10	

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
C	Improving or Maintaining Physical Health	HOS	DMC28	C04	C04	C04	C04	C04	C04	C05	C07	C07	C08	C09	C08	C09	
C	Initiation of Alcohol or other Drug Treatment	HEDIS	DMC13	DMC13	DMC13	DMC13	DMC14	DMC14	DMC15	DMC14	DMC18						
C	Medication Management for People With Asthma	HEDIS						DMC26									
C	Medication Reconciliation Post-Discharge	HEDIS	C15	C19	C19	C20	C20	DMC23									
C	Members Choosing to Leave the Plan	MBDSS	C24/D03	C28/D05	C29/D05	C30/D05	C29/D05	C27/D05	C27/D05	C30/D04	C32/D06	C32/D08	C33/D08	DME01	C29/D10		
C	Monitoring Physical Activity	HEDIS / HOS	C04	C06	C06	C06	C06	C06	C06	C07	C09	C09	C10	C12	C11	C12	
C	Osteoporosis Management in Women who had a Fracture	HEDIS	C08	C12	C12	C12	C12	C12	C12	C13	C14	C14	C16	C14	C13	C23	
C	Osteoporosis Testing	HEDIS / HOS	DMC04	DMC04	DMC04	DMC04	DMC05	DMC05	DMC06	DMC06	DMC06	DMC06	DMC06	C11	C10	C11	
C	Pharmacotherapy Management of COPD Exacerbation – Bronchodilator	HEDIS	DMC12	DMC12	DMC12	DMC12	DMC13	DMC13	DMC14	DMC13	DMC17						
C	Pharmacotherapy Management of COPD Exacerbation – Systemic Corticosteroid	HEDIS	DMC11	DMC11	DMC11	DMC11	DMC12	DMC12	DMC13	DMC12	DMC16						
C	Plan All-Cause Readmissions	HEDIS	DMC23	DMC23	C20	C21	C21	C19	C19	C22	C23	C23	C25				
C	Plan Makes Timely Decisions about Appeals	Independent Review Entity (IRE) / Maximus	C26	C30	C31	C32	C32	C30	C30	C32	C34	C34	C34	C31	C27	C35	
C	Pneumonia Vaccine	CAHPS	DMC08	DMC08	DMC08	DMC08	DMC09	DMC09	DMC10	DMC09	DMC11	DMC11	C07	C08	C07	C08	
C	Rating of Health Care Quality	CAHPS	C20	C24	C25	C26	C25	C23	C23	C26	C27	C27	C29	C28	C24	C18	
C	Rating of Health Plan	CAHPS	C21	C25	C26	C27	C26	C24	C24	C27	C28	C28	C30	C29	C25	C19	
C	Reducing the Risk of Falling	HEDIS / HOS	C13	C17	C17	C18	C18	C18	C18	C21	C22	C22	C24	C23	C19	C34	
C	Reminders for appointments	CAHPS						DMC16	DMC17	DMC16							
C	Reminders for immunizations	CAHPS						DMC17	DMC18	DMC17							
C	Reminders for screening tests	CAHPS						DMC18	DMC19	DMC18							
C	Reviewing Appeals Decisions	Independent Review Entity (IRE) / Maximus	C27	C31	C32	C33	C33	C31	C31	C33	C35	C35	C35	C32	C28	C36	
C	Rheumatoid Arthritis Management	HEDIS	C12	C16	C16	C17	C17	C17	C17	C19	C20	C20	C22	C20	C16	C30	
C	Special Needs Plan (SNP) Care Management	Part C Plan Reporting	C05	C08	C08	C08	C08	C08	C08	C09	DMC14	DMC14					
C	Statin Therapy for Patients with Cardiovascular Disease	HEDIS	C16	C20	C21	C22	DMC17	DMC25									

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
C	Testing to Confirm Chronic Obstructive Pulmonary Disease	HEDIS	DMC05	DMC05	DMC05	DMC05	DMC06	DMC06	DMC07	DMC07	DMC07	DMC07	DMC07	C21	C17	C31	
C	Transitions of Care – Average	HEDIS	DMC22	DMC22	DMC23												
C	Transitions of Care – Medication Reconciliation Post-Discharge	HEDIS	DMC18	DMC18	DMC19												
C	Transitions of Care – Notification of Inpatient Admission	HEDIS	DMC19	DMC19	DMC20												
C	Transitions of Care – Patient Engagement After Inpatient Discharge	HEDIS	DMC20	DMC20	DMC21												
C	Transitions of Care – Receipt of Discharge Information	HEDIS	DMC21	DMC21	DMC22												

Notes:

- A: Part of composite measure Cholesterol Screening in 2010
 B: Composite Measure - combined Cardiovascular Care – Cholesterol Screening and Diabetes Care – Cholesterol Screening measures
 C: Composite Measure - combined Diabetes Care – Blood Sugar Controlled, Diabetes Care – Eye Exam, and Diabetes Care – Kidney Disease Monitoring measures
 D: Part of composite measure Diabetes Care in 2010

Table I-2: Part D Measure History

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
D	4Rx Timeliness	Acumen / OIS (4Rx)											DMD03	D07			
D	Adherence – Proportion of Days Covered	Prescription Drug Event (PDE) Data												DMD07			
D	Antipsychotic Use in Persons with Dementia	Prescription Drug Event (PDE) Data	DMD08	DMD12	DMD14	DMD16	DMD18										
D	Appeals Auto-Forward	Independent Review Entity (IRE) / Maximus		D02	D02	D02	D02	D02	D02	D01	D02	D03	D03	D05	D05	D05	
D	Appeals Upheld	Independent Review Entity (IRE) / Maximus		D03	D03	D03	D03	D03	D03	D02	D03	D04	D04	D06	D06	D06	
D	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	D06	D06	D06	DME08	D05	D07	D07	D10	D11		
D	Call Center – Beneficiary Hold Time	Call Center Monitoring	DMD02	DMD04	DMD04	DMD04	DMD04	DMD04	DMD04		DMD04	DMD04	DMD05	D01	D01	D01	
D	Call Center – Calls Disconnected - Pharmacist	Call Center Monitoring													DMD05	D04	
D	Call Center – Calls Disconnected When Customer Calls Drug Plan	Call Center Monitoring	DMD01	DMD03	DMD03	DMD03	DMD03	DMD03	DMD03		DMD03	DMD03	DMD04	DMD04	DMD04	D02	
D	Call Center – CSR Understandability	Call Center Monitoring													DMD06		
D	Call Center – Foreign Language Interpreter and TTY Availability	Call Center Monitoring	D01	D01	D01	D01	D01	D01	D01		D01	D02	D02	D04	D04		
D	Call Center – Information Accuracy	Call Center Monitoring									DMD05	DMD05	DMD06	D03	D03		
D	Call Center – Pharmacy Hold Time	Call Center Monitoring	DMD04	DMD08	DMD09	DMD09	DMD09	DMD11	DMD11		DMD15	D01	D01	D02	D02	D03	
D	Complaint Resolution	Complaints Tracking Module (CTM)													DMD07		
D	Complaints – Benefits	Complaints Tracking Module (CTM)														D07	
D	Complaints – Enrollment	Complaints Tracking Module (CTM)												D08	D08	D08	
D	Complaints – Other	Complaints Tracking Module (CTM)												D09	D09	D10	
D	Complaints – Pricing	Complaints Tracking Module (CTM)														D09	

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
D	Complaints about the Drug Plan	Complaints Tracking Module (CTM)	C25/ D02	C27 / D04	C28 / D04	C29 / D04	C28 / D04	C26 / D04	C26 / D04	C29 / D03	C30 / D04	C30 / D06	C31 / D06				
D	Diabetes Medication Dosing	Prescription Drug Event (PDE) Data													DMD09		
D	Diabetes Treatment	Prescription Drug Event (PDE) Data								D10	D12	D15	D14	D17	D19		
D	Drug Plan Provides Current Information on Costs and Coverage for Medicare's Website	Acumen / OIS (LIS Match Rates)													D15	D15	
D	Drug Plan Quality Improvement	Star Ratings	D04	D06	D06	D06	D07	D07	D07	D05	D07	D09					
D	Drug-Drug Interactions	Prescription Drug Event (PDE) Data													DMD08		
D	Enrollment Timeliness	MARx													DMD03		
D	Formulary Administration Analysis	Part D Sponsor															
D	Getting Information From Drug Plan	CAHPS													D12	D12	
D	Getting Needed Prescription Drugs	CAHPS	D06	D08	D08	D08	D09	D09	D09	D07	D09	D12	D11	D13	D14	D14	
D	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11					
D	High Risk Medication	Prescription Drug Event (PDE) Data															
D	Medication Adherence for Cholesterol (Statins)	Prescription Drug Event (PDE) Data	D10	D12	D12	D12	D13	D14	D14	D13	D15	D18	D17				
D	Medication Adherence for Diabetes Medications	Prescription Drug Event (PDE) Data	D08	D10	D10	D10	D11	D12	D12	D11	D13	D16	D15				
D	Medication Adherence for Hypertension (RAS antagonists)	Prescription Drug Event (PDE) Data	D09	D11	D11	D11	D12	D13	D13	D12	D14	D17	D16				
D	Member Retention	MBDSS															
D	Members Choosing to Leave the Plan	MBDSS	C27/ D03	C29 / D05	C30 / D05	C30 / D05	C29 / D05	C27 / D05	C27 / D05	C30 / D04	C32 / D06	C32 / D08	C33 / D08	DME01	C29 / D10		
D	MPF – Composite	PDE Data, MPF Pricing Files															B
D	MPF – Stability	PDE Data, MPF Pricing Files	DMD03	DMD07	DMD08	DMD08	DMD08	DMD08	DMD08	DMD06	DMD10	DMD10			D16	D17	A
D	MPF – Updates	PDE Data, MPF Pricing Files															

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
D	MPF Price Accuracy	PDE Data, MPF Pricing Files	D07	D09	D09	D09	D10	D10	D10	D08	D10	D13			D17	D18	A
D	MTM Program Completion Rate for CMR	Prescription Drug Event (PDE) Data	D11	D13	D13	D13	D14	D15	D15	DMD07	DMD12	DMD12					
D	Plan Submitted Higher Prices for Display on MPF	PDE Data, MPF Pricing Files	DMD05	DMD09	DMD10	DMD10	DMD10	DMD12	DMD12	DMD10	DMD16						
D	Polypharmacy: Use of Multiple Anticholinergic Medications in Older Adults (Poly-ACH)	Prescription Drug Event (PDE) Data	DMD13	DMD20													
D	Polypharmacy: Use of Multiple CNS-Active Medications in Older Adults (Poly-CNS)	Prescription Drug Event (PDE) Data	DMD14	DMD21													
D	Rate of Chronic Use of Atypical Antipsychotics by Elderly Beneficiaries in Nursing Homes	Fu Associates						DMD09	DMD09	DMD08	DMD13	DMD13					
D	Rating of Drug Plan	CAHPS	D05	D07	D07	D07	D08	D08	D08	D06	D08	D11	D10	D12	D13	D13	
D	Reminders to fill prescriptions	CAHPS	DMD06	DMD10	DMD11	DMD12	DMD13	DMD15	DMD15	DMD13							
D	Reminders to take medications	CAHPS	DMD07	DMD11	DMD12	DMD13	DMD14	DMD16	DMD16	DMD14							
D	Statin Use in Persons with Diabetes (SUPD)	Prescription Drug Event (PDE) Data	D12	D14	D14	D14	DMD15	DMD17									
D	Timely Effectuation of Appeals	Independent Review Entity (IRE) / Maximus		DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02	DMD02		
D	Timely Receipt of Case Files for Appeals	Independent Review Entity (IRE) / Maximus		DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01	DMD01		
D	Transition monitoring	Transition Monitoring Program Analysis				DMD11											D
D	Transition monitoring – failure rate for all other drugs	Transition Monitoring Program Analysis					DMD12	DMD14	DMD14	DMD12							C
D	Transition monitoring – failure rate for drugs within classes of clinical concern	Transition Monitoring Program Analysis					DMD11	DMD13	DMD13	DMD11							C
D	Use of Opioids at High Dosage and from Multiple Providers in Persons Without Cancer (OHDMP)	Prescription Drug Event (PDE) Data		DMD15													
D	Use of Opioids at High Dosage in Persons Without Cancer (OHD)	Prescription Drug Event (PDE) Data	DMD11	DMD18													

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	Notes
D	Use of Opioids from Multiple Providers in Persons Without Cancer (OMP)	Prescription Drug Event (PDE) Data	DMD12	DMD19													

Notes:

- A: Part of composite measure MPF - Composite in 2011 – 2012
- B: Composite measure - combined MPF - Accuracy and MPF Stability
- C: Part of composite measure Transition Monitoring - Composite starting in 2019
- D: Composite Measure – “Transition monitoring - failure rate for drugs within classes of clinical concern” and “Transition monitoring - failure rate for all other drugs”

Table I-3: Common Part C & Part D Measure History

Part	Measure Name	Data Source	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
E	Beneficiary Access and Performance Problems	Administrative Data	DME07	DME07	DME07	DME07	C30 / D06	C28 / D06	C28 / D06	DME08	C31 / D05	C31 / D07	C32 / D07	C33 / D10
E	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)	Disenrollment Reasons Survey	DME04	DME04	DME04	DME04	DME05	DME05	DME05	DME05				
E	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)	Disenrollment Reasons Survey	DME06	DME06	DME06	DME06	DME07	DME07	DME07	DME07				
E	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care(MA-PD, MA-Only)	Disenrollment Reasons Survey	DME02	DME02	DME02	DME02	DME03	DME03	DME03	DME03				
E	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)	Disenrollment Reasons Survey	DME03	DME03	DME03	DME03	DME04	DME04	DME04	DME04				
E	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)	Disenrollment Reasons Survey	DME05	DME05	DME05	DME05	DME06	DME06	DME06	DME06				
E	Enrollment Timeliness	MARx					DME01	DME01	DME01	DME01	DME01	C37 / D05	D05	DMD03
E	Grievance Rate	Part C & D Plan Reporting	DME01	DME01	DME01	DME01	DME02	DME02	DME02	DME02	DMC13 / DMD11	DMC13 / DMD11		

This attachment provides detailed information about the clustering and the relative distribution and significance testing (CAHPS) methodologies used to assign stars to individual measures.

Clustering Methodology Introduction

To separate a distribution of scores into distinct groups or categories, a set of values must be identified to separate one group from another group. The set of values that break the distribution of the scores into non-overlapping groups is the set of cut points.

For each individual measure, CMS determines the measure cut points using the information provided from the hierarchical clustering algorithm in SAS, described in “Clustering Methodology Detail” below. Conceptually, the clustering algorithm identifies the natural gaps that exist within the distribution of the scores and creates groups (clusters) that are then used to identify the cut points that result in the creation of a pre-specified number of categories.

For Star Ratings, the algorithm is run with the goal of determining the four cut points (labeled in the Figure J-1 below as A, B, C, and D) that are used to create the five non-overlapping groups that correspond to each of the Star Ratings (labeled in the diagram below as G1, G2, G3, G4, and G5). For Part D measures, CMS determines MA-PD and PDP cut points separately. Data identified to be biased, erroneous, or excluded by disaster rules are removed from the algorithm. The scores are grouped such that scores within the same Star Rating category are as similar as possible, and scores in different categories are as different as possible.

Figure J-1: Diagram showing gaps in data where cut points are assigned



As mentioned, the cut points are used to create five non-overlapping groups. The value of the lower bound for each group is included in the category, while the value of the upper bound is not included in the category. CMS does not require the same number of observations (contracts) within each group. The groups are identified such that within a group the measure scores must be similar to each other and between groups, the measure scores in one group are not similar to measures scores in another group. The groups are then used for the conversion of the measure scores to one of five Star Ratings categories. For most measures, a higher score is better, and thus, the group with the highest range of measure scores is converted to a rating of five stars. An example of a measure for which higher is better is *Medication Adherence for Diabetes Medications*. For some measures a lower score is better, and thus, the group with the lowest range of measures scores is converted to a rating of five stars. An example of a measure for which a lower score is better is *Members Choosing to Leave the Plan*.

Example 1 – Clustering Methodology for a Higher is Better measure

Consider the information provided for the cut points for *Medication Adherence for Diabetes Medications* in Table J-1 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately (e.g., different cut points are calculated for MA-PD and PDPs). The 2022 MA-PD cut points identified using the clustering algorithm are 80%, 85%, 87%, and 91%; for PDPs, the cut points are 84%, 86%, 88%, and 90%. (The set of values corresponds to the cut points in the diagram below as A, B, C, and D and the categories for each of the five Star Ratings are indicated above each group.) Since a measure score can only assume a value between 0% and 100% (including 0% and 100%), the one-star and five-star categories contain only a single value in the table below as the upper or lower bound.

Table J-1: Medication Adherence for Diabetes Medications cut points example

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %



Since higher is better for *Medication Adherence for Diabetes Medications*, a rating of one star is assigned to all MA-PD measure scores below 80%. For each of the other Star Rating categories, the value of the lower bound is included in the rating category, while the upper bound value is not included. Focusing solely on the cut points for MA-PDs, a rating of two stars is assigned to each measure score that is at least 80% (the first cut point) to less than 85% (the second cut point). Since measure scores are reported as percentages with no decimal places, any measure score of 80% to 84% would be assigned two stars, while a measure score of 85% would be assigned a rating of three stars. Measure scores that are at least 85% to less than 87% are assigned a rating of three stars. For a conversion to four stars, a measure score of at least 87% to less than 91% is needed. A rating of five stars is assigned to any measures score of 91% or more. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Example 2 – Clustering Methodology for a Lower is Better measure

Consider the information provided for the 2022 cut points for *Members Choosing to Leave the Plan* in Table J-2 below. As stated previously, for Part D measures CMS calculates MA-PD and PDP cut points separately. The 2022 MA-PD cut points for *Members Choosing to Leave the Plan* determined using the clustering algorithm are 44%, 29%, 16%, and 9%; for PDPs, the cut points are 20%, 13%, 19%, and 6%. (These correspond to the cut points in the diagram above as A, B, C, and D).

Since lower is better for this measure, the five-star category will have the lowest measure score range, while the one-star category will have scores that are highest in value. For each of the other Star Rating categories, the value of the lower bound is not included in the rating category, while the upper bound value is included. (The inclusivity and exclusivity of the upper and lower bounds is opposite for a measure score where lower is better as compared to higher is better.) For MA-PDs, a rating of five stars is assigned to measure scores of 9% or less. Measure scores that are greater than 9% up to a maximum value of 16% (including a measure score of 16%) are assigned a rating of four stars. A rating of three stars is assigned to measure scores greater than 16% up to a maximum value of 29%. A rating of two stars is assigned to a measure score that is greater than 29% up to and including 44%. A rating of one star is assigned to any measure score greater than 44%. PDPs have different cut points, but the same overall rules apply for converting the measure score to a Star Rating.

Table J-2: Members Choosing to Leave the Plan cut points example

Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
MA-PD	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
PDP	> 20 %	> 13 % to <= 20 %	> 9 % to <= 13 %	> 6 % to <= 9 %	<= 6 %



Clustering Methodology Detail

This section details the steps of the clustering method performed in SAS to allow the conversion of the measure scores to measure-level stars.

Mean resampling is used to determine the cut points for all non-CAHPS measures. With mean resampling, measure-specific scores for the current year's Star Ratings are separated into 10 equal-sized groups, using a random assignment process to assign each contract's measure score to a group. The random assignment of contracts into 10 groups can be produced using the SURVEYSELECT procedure in SAS as follows:

```
proc surveyselect data=inclusterdat groups=10 seed=8675309 out=inclusterdat_random;
run;
```

In the above code, the input dataset, *inclusterdat*, is the list of contracts without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. The *group=10* option identifies that 10 random groupings of the data should be created. The *seed=8675309* option specifies the seed value that controls the starting point of the random sequence of numbers and allows for future replication of the randomization process. The output dataset, *inclusterdat_random*, is identical to the input dataset with the addition of a new column, named *groupid*, that has the group assignments (from 1 through 10) for each contract.

The hierarchical clustering algorithm (steps 1 through 4 below) is then applied 10 times, each time leaving out one of the 10 groups. For each measure and leave-one-out contract set, the clustering method does the following:

- Produces the individual measure distance matrix.
- Groups the measure scores into an initial set of clusters.
- Selects the set of clusters.

1. Produce the individual measure distance matrix.

For each pair of contracts *j* and *k* ($j \geq k$) among the *n* contracts with measure score data, compute the Euclidian distance of their measure scores (e.g., the absolute value of the difference between the two measure scores). Enter this distance in row *j* and column *k* of a distance matrix with *n* rows and *n* columns. This matrix can be produced using the DISTANCE procedure in SAS as follows:

```
proc distance data= inclusterdat_leave1out out=distancedat method=Euclid;
    var interval(measure_score);
    id contract_id;
run;
```

In the above code, the input data set, *inclusterdat_leave1out*, is the list of contracts (excluding the group left out) without missing, flagged, excluded by disaster rules or voluntary contract scores for a particular measure. Each record has a unique contract identifier, *contract_id*. The option *method=Euclid* specifies that distances between contract measure scores should be based on Euclidean distance. The input data contain a variable called *measure_score* that is formatted to the display criteria outlined in the Technical Notes. In the *var* call, the parentheses around *measure_score* indicate that *measure_score* is considered to be an interval or numeric variable. The distances computed by this code are stored to an output data set called *distancedat*.

2. Create a tree of cluster assignments.

The distance matrix calculated in Step 1 is the input to the clustering procedure. The stored distance algorithm is implemented to compute cluster assignments. The following process is implemented by using the CLUSTER procedure in SAS:

- The input measure score distances are squared.
- The clusters are initialized by assigning each contract to its own cluster.
- In order to determine which pair of clusters to merge, Ward's minimum variance method is used to separate the variance of the measure scores into within-cluster and between-cluster sum of squares components.

- From the existing clusters, two clusters are selected for merging to minimize the within-cluster sum of squares over all possible sets of clusters that might result from a merge.
- Steps 3 and 4 are repeated to reduce the number of clusters by one until a single cluster containing all contracts results.

The result is a data set that contains a tree-like structure of cluster assignments, from which any number of clusters between 1 and the number of contract measure scores could be computed. The SAS code for implementing these steps is:

```
proc cluster data=distancedat method=ward outtree=treedat noprint;
    id contract_id;
run;
```

The *distancedat* data set containing the Euclidian distances was created in Step 1. The option *method=ward* indicates that Ward's minimum variance method should be used to group clusters. The output data set is denoted with the *outtree* option and is called *treedat*.

3. Select the final set of clusters from the tree of cluster assignments.

The process outlined in Step 2 will produce a tree of cluster assignments, from which the final number of clusters is selected using the TREE procedure in SAS as follows:

```
proc tree data=treedat ncl=NSTARS horizontal out=outclusterdat noprint;
    id contract_id;
run;
```

The input data set, *treedat*, is created in Step 2 above. The syntax, *ncl=NSTARS*, denotes the desired final number of clusters (or star levels). For most measures, *NSTARS*= 5. In cases where multiple clusters have the same score value range those clusters are combined, leading to fewer than 5 clusters. Since the improvement measures have a constraint that contracts with improvement scores of zero or greater are to be assigned at least 3 stars for improvement, the clustering is conducted separately for contract measure scores that are greater than or equal to zero versus those that are less than zero. Specifically, Steps 1-3 are first applied to contracts with improvement scores that meet or exceed zero, in which case *NSTARS* equals three. The resulting improvement measure stars can take on values of 3, 4, or 5. For those contracts with improvement scores less than zero, Steps 1-3 are applied with *NSTARS*=2 and these contracts will either receive 1 or 2 stars.

4. Final Thresholds

The cluster assignments produced by the above approach have cluster labels that are unordered. The final step after applying the above steps to all contract measure scores is to order the cluster labels so that the 5-star category reflects the cluster with the best performance and the 1-star category reflects the cluster with the worst performance. With the exception of the improvement measures which are assigned lower thresholds of zero for the 3-star category, the measure thresholds are defined by examining the range of measure scores within each of the final clusters. The lower limit of each cluster becomes the cut point for the star categories.

Determining Stars from Scores and Thresholds

The mean-resampling approach results in 10 sets of measure-specific cut points, one for each of the 10 implementations of the hierarchical clustering algorithm. The final set of estimated thresholds are then calculated as the mean cut point for each threshold per measure from the 10 different cut point values. Tables J-3 and J-4 show the mean resampling estimated thresholds for the 2022 Star Ratings that are used to assign stars. The thresholds printed in measure details above use the observed scores in each star category. For higher-is-better measures, the minimum score observed in each star category defines the effective cut points for the star categories. For lower-is-better measures, the maximum score observed in each star category defines the effective cut points for the star categories.

Table J-3: 2022 Star Ratings Part C non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
C01	< 38 %	>= 38 % to < 61 %	>= 61 % to < 69 %	>= 69 % to < 76 %	>= 76 %
C02	< 48 %	>= 48 % to < 62 %	>= 62 % to < 71 %	>= 71 % to < 80 %	>= 80 %
C04	< 42 %	>= 42 % to < 47 %	>= 47 % to < 52 %	>= 52 % to < 57 %	>= 57 %
C05	< 45 %	>= 45 % to < 59 %	>= 59 % to < 73 %	>= 73 % to < 87 %	>= 87 %
C06	< 48 %	>= 48 % to < 71 %	>= 71 % to < 84 %	>= 84 % to < 95 %	>= 95 %
C07	< 55 %	>= 55 % to < 76 %	>= 76 % to < 87 %	>= 87 % to < 96 %	>= 96 %
C08	< 27 %	>= 27 % to < 40 %	>= 40 % to < 50 %	>= 50 % to < 68 %	>= 68 %
C09	< 52 %	>= 52 % to < 62 %	>= 62 % to < 71 %	>= 71 % to < 79 %	>= 79 %
C10	< 75 %	>= 75 % to < 88 %	>= 88 % to < 94 %	>= 94 % to < 97 %	>= 97 %
C11	< 40 %	>= 40 % to < 60 %	>= 60 % to < 72 %	>= 72 % to < 81 %	>= 81 %
C12	< 68 %	>= 68 % to < 75 %	>= 75 % to < 79 %	>= 79 % to < 85 %	>= 85 %
C13	< 48 %	>= 48 % to < 55 %	>= 55 % to < 64 %	>= 64 % to < 72 %	>= 72 %
C14	< 42 %	>= 42 % to < 45 %	>= 45 % to < 49 %	>= 49 % to < 53 %	>= 53 %
C15	< 39 %	>= 39 % to < 56 %	>= 56 % to < 69 %	>= 69 % to < 82 %	>= 82 %
C16	< 76 %	>= 76 % to < 81 %	>= 81 % to < 84 %	>= 84 % to < 89 %	>= 89 %
C23	> 1.39	> 0.81 to <= 1.39	> 0.37 to <= 0.81	> 0.17 to <= 0.37	<= 0.17
C24	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
C25	< -0.139885	>= -0.139885 to < 0	>= 0 to < 0.184235	>= 0.184235 to < 0.34342	>= 0.34342
C26	< 64 %	>= 64 % to < 80 %	>= 80 % to < 90 %	>= 90 % to < 97 %	>= 97 %
C27	< 65 %	>= 65 % to < 84 %	>= 84 % to < 91 %	>= 91 % to < 96 %	>= 96 %
C28	< 31 %	>= 31 % to < 54 %	>= 54 % to < 78 %	>= 78 % to < 94 %	>= 94 %

Notes: Bolded cells identify mean resampling-estimated cut points that differ from the cut points printed in the measure details section.

Table J-4: 2022 Star Ratings Part D non-CAHPS Measure Mean Resampling Estimated Thresholds

Measure ID	Type	1 Star	2 Stars	3 Stars	4 Stars	5 Stars
D01	MA-PD	< 25 %	>= 25 % to < 59 %	>= 59 % to < 84 %	>= 84 % to < 94 %	>= 94 %
D01	PDP	< 55 %	>= 55 % to < 78 %	>= 78 % to < 88 %	>= 88 % to < 97 %	>= 97 %
D02	MA-PD	> 1.39	> 0.81 to <= 1.39	> 0.37 to <= 0.81	> 0.17 to <= 0.37	<= 0.17
D02	PDP	> 0.31	> 0.19 to <= 0.31	> 0.1 to <= 0.19	> 0.03 to <= 0.1	<= 0.03
D03	MA-PD	> 44 %	> 29 % to <= 44 %	> 16 % to <= 29 %	> 9 % to <= 16 %	<= 9 %
D03	PDP	> 21 %	> 14 % to <= 21 %	> 9 % to <= 14 %	> 6 % to <= 9 %	<= 6 %
D04	MA-PD	< -0.235985	>= -0.235985 to < 0	>= 0 to < 0.427285	>= 0.427285 to < 0.683861	>= 0.683861
D04	PDP			>= 0 to < 0.535174	>= 0.535174 to < 0.797005	>= 0.797005
D07	MA-PD	< 73	>= 73 to < 83	>= 83 to < 91	>= 91 to < 96	>= 96
D07	PDP	< 84	>= 84 to < 88	>= 88 to < 94	>= 94 to < 97	>= 97
D08	MA-PD	< 80 %	>= 80 % to < 85 %	>= 85 % to < 87 %	>= 87 % to < 91 %	>= 91 %
D08	PDP	< 84 %	>= 84 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %
D09	MA-PD	< 73 %	>= 73 % to < 82 %	>= 82 % to < 87 %	>= 87 % to < 90 %	>= 90 %
D09	PDP	< 85 %	>= 85 % to < 88 %	>= 88 % to < 89 %	>= 89 % to < 91 %	>= 91 %
D10	MA-PD	< 78 %	>= 78 % to < 83 %	>= 83 % to < 87 %	>= 87 % to < 91 %	>= 91 %
D10	PDP	< 82 %	>= 82 % to < 86 %	>= 86 % to < 88 %	>= 88 % to < 90 %	>= 90 %
D11	MA-PD	< 52 %	>= 52 % to < 72 %	>= 72 % to < 82 %	>= 82 % to < 89 %	>= 89 %
D11	PDP	< 31 %	>= 31 % to < 46 %	>= 46 % to < 61 %	>= 61 % to < 73 %	>= 73 %
D12	MA-PD	< 76 %	>= 76 % to < 80 %	>= 80 % to < 84 %	>= 84 % to < 88 %	>= 88 %
D12	PDP	< 77 %	>= 77 % to < 79 %	>= 79 % to < 82 %	>= 82 % to < 84 %	>= 84 %

Notes: Bolded cells identify mean-resampling estimated cut points that differ from the cut points printed in the measure details section.

Relative Distribution and Significance Testing (CAHPS) Methodology

The CAHPS measures are case-mix adjusted to take into account differences in the characteristics of enrollees across contracts that may potentially impact survey responses. See [Attachment A](#) for the case-mix adjusters.

The percentile cut points for base groups are defined by current-year distribution of case-mix adjusted contract means. Percentile cut points are rounded to the nearest integer on the 0-100 reporting scale, and each base group includes those contracts whose rounded mean score is at or above the lower limit and below the upper limit. The number of stars assigned is determined by the position of the contract mean score relative to percentile cutoffs from the distribution of contract weighted mean scores from all contracts (which determines the base group); statistical significance of the difference of the contract mean from the national mean along with the direction of the difference; the statistical reliability of the estimate (based on the ratio of sampling variation for each contract mean to between-contract variation); and the standard error of the mean score. All statistical tests, including comparisons involving standard errors, are computed using unrounded scores.

CAHPS reliability calculation details are provided in the document, [“Instructions for Analyzing Data from CAHPS® Surveys: Using the CAHPS Analysis Program Version 4.1.”](#)

Tables J-5 and J-6 contain the rules applied to determine the final CAHPS measure star value.

Table J-5: CAHPS Star Assignment Rules

Star	Criteria for Assigning Star Ratings
1	A contract is assigned one star if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is lower than the 15 th percentile; AND (b) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) below the 15 th percentile.
2	A contract is assigned two stars if it does not meet the one-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is lower than the 30 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is lower than the 15 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly lower than the national average CAHPS measure score and below the 60 th percentile.
3	A contract is assigned three stars if it meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 30 th percentile and lower than the 60 th percentile, AND it is not statistically significantly different from the national average CAHPS measure score; OR (b) its average CAHPS measure score is at or above the 15 th percentile and lower than the 30 th percentile, AND the reliability is low, AND the score is not statistically significantly lower than the national average CAHPS measure score; OR (c) its average CAHPS measure score is at or above the 60 th percentile and lower than the 80 th percentile, AND the reliability is low, AND the score is not statistically significantly higher than the national average CAHPS measure score.
4	A contract is assigned four stars if it does not meet the five-star criteria and meets at least one of these three criteria: (a) its average CAHPS measure score is at or above the 60 th percentile and the measure does not have low reliability; OR (b) its average CAHPS measure score is at or above the 80 th percentile and the measure has low reliability; OR (c) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score and above the 30 th percentile.
5	A contract is assigned five stars if both criteria (a) and (b) are met plus at least one of criteria (c) and (d): (a) its average CAHPS measure score is at or above the 80 th percentile; AND (b) its average CAHPS measure score is statistically significantly higher than the national average CAHPS measure score; (c) the reliability is not low; OR (d) its average CAHPS measure score is more than one standard error (SE) above the 80 th percentile.

Table J-6: CAHPS Star Assignment Alternate Representation

Mean Score	Base Group	Signif. below avg., low reliability	Signif. below avg., not low reliability	Not signif. diff. from avg., low reliability	Not signif. diff. from avg., not low reliability	Signif. above avg., low reliability	Signif. above avg., not low reliability
< 15 th percentile by > 1 SE	1	1	1	2	2	2	2
< 15 th percentile by ≤ 1 SE		2	1	2	2	2	2
≥ 15 th to < 30 th percentile	2	2	2	3	2	3	2
≥ 30 th to < 60 th percentile	3	2	2	3	3	4	4
≥ 60 th to < 80 th percentile	4	3	4	3	4	4	4
≥ 80 th percentile by ≤ 1 SE	5	4	4	4	4	4	5
≥ 80 th percentile by > 1 SE		4	4	4	4	5	5

Notes: If reliability is very low (<0.60), the contract does not receive a Star Rating. Low reliability scores are defined as those with at least 11 respondents and reliability ≥ 0.60 but <0.75 and also in the lowest 12% of contracts ordered by reliability. The SE is considered when the measure score is below the 15th percentile (in base group 1), significantly below average, and has low reliability: in this case, 1 star is assigned if and only if the measure score is at least 1 SE below the unrounded base group 1/2 cut point. Similarly, the SE is considered when the measure score is at or above the 80th percentile (in base group 5), significantly above average, and has low reliability: in this case, 5 stars are assigned if and only if the measure score is at least 1 SE above the unrounded base group 4/5 cut point.

For example, a contract in base group 4 that was not significantly different from average and had low reliability would receive 3 final stars.

Attachment K: Medication Adherence Measure Calculations

Part D sponsors currently have access to monthly Patient Safety Reports via the Patient Safety Analysis Web Portal to compare their performance to overall rates and monitor their progress in improving the Part D patient safety measures over time. Sponsors may use the website to view and download the reports for performance monitoring.

Report User Guides are available on the Patient Safety Analysis Web Portal under Help Documents and provide detailed information about the measure calculations and reports. The following information is an excerpt from the Adherence Measures Report Guide (Appendices A and B) and illustrates the days covered calculation and the modification for inpatient stays and skilled nursing facility stays.

Proportion of Days Covered Calculation

In calculating the Proportion of Days Covered (PDC), we first count the number of days the patient was “covered” by at least one drug in the target drug class. The number of days is based on the prescription fill date and days’ supply. PDC is calculated by dividing the number of covered days by the number of days in the measurement period. Both of these numbers may be adjusted for IP/SNF stays, as described in the ‘Days Covered Modification for Inpatient Stays and Skilled Nursing Facility Stays’ section that follows.

Example 1: Non-Overlapping Fills of Two Different Drugs

In this example, a beneficiary fills Benazepril and Captopril, two drugs in the RAS antagonist hypertension target drug class. The covered days do not overlap, meaning the beneficiary filled the Captopril prescription after the days’ supply for the Benazepril medication ended.

Table K-1: No Adjustment

	January		February		March	
	1/1/2020	1/16/2020	2/1/2020	2/16/2020	3/1/2020	3/16/2020
Benazepril	15	16	15	13		
Captopril					15	16

PDC Calculation

Covered Days: 90

Measurement Period: 90

PDC: 90/90 = 100%

Example 2: Overlapping Fills of the Same Generic Ingredient across Single and Combination Products

In this example, a beneficiary fills a drug with the same target generic ingredient prior to the end of the days’ supply of the first fill. In rows one and two, there is an overlap between a single and combination drug product, both containing Lisinopril. For this scenario, the overlapping days are shifted because the combination drug product includes the targeted generic ingredient. An adjustment is made to the PDC to account for the overlap in days covered.

In rows two and three, there is an overlap between two combination drug products, both containing Hydrochlorothiazide. However, Hydrochlorothiazide is not a RAS antagonist or targeted generic ingredient, so this overlap is not shifted.

Table K-2: Before Overlap Adjustment

	January		February		March	
	1/1/2020	1/16/2020	2/1/2020	2/16/2020	3/1/2020	3/16/2020
Lisinopril	15	16				
Lisinopril & HCTZ		16	15			
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 59

Measurement Period: 90

PDC: 59/90 = 66%

Table K-3: After Overlap Adjustment

	January		February		March	
	1/1/2020	1/16/2020	2/1/2020	2/16/2020	3/1/2020	3/16/2020
Lisinopril	15	16				
Lisinopril & HCTZ			15	13	3	
Benazepril & HCTZ			15	13		

PDC Calculation

Covered Days: 62

Measurement Period: 90

PDC: 62/90 = 69%

Example 3: Overlapping Fills of the Same and Different Target Drugs

In this example, a beneficiary is refilling both Lisinopril and Captopril. When a single and combination product both containing Lisinopril overlap, there is an adjustment to the PDC. When Lisinopril overlaps with Captopril, we do not make any adjustment to the days covered.

Table K-4: Before Overlap Adjustment

	January		February		March		April	
	1/1/2020	1/16/2020	2/1/2020	2/16/2020	3/1/2020	3/16/2020	4/1/2020	4/16/2020
Lisinopril	15	16						
Lisinopril & HCTZ		16	15					
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 92

Measurement Period: 120

PDC: 92/120 = 77%

Table K-5: After Overlap Adjustment

	January		February		March		April	
	1/1/2020	1/16/2020	2/1/2020	2/16/2020	3/1/2020	3/16/2020	4/1/2020	4/16/2020
Lisinopril	15	16						
Lisinopril & HCTZ			15	13	3			
Captopril					15	16		
Lisinopril						16	15	

PDC Calculation

Covered Days: 105

Measurement Period: 120

PDC: 105/120 = 88%

In response to Part D sponsor feedback, CMS modified the PDC calculation, starting with the 2013 Star Ratings (using 2011 PDE data) to adjust for beneficiary stays in inpatient (IP) facilities, and with the 2015 Star Ratings (using 2013 PDE data) to also adjust for hospice enrollments and beneficiary stays in skilled nursing facilities (SNF). These adjustments account for periods that the Part D sponsor would not be responsible for providing prescription fills for targeted medications or more accurately reflect drugs covered under the hospice benefit or waived through the beneficiary's hospice election; thus, their medication fills during an IP or SNF stay or during hospice enrollment would not be included in the PDE claims used to calculate the Patient Safety adherence measures.

The PDC modification for IP stays, hospice enrollments, and SNF stays reflects this situation. Please note that while this modification will enhance the adherence measure calculation, extensive testing indicates that most Part D contracts will experience a negligible impact on their adherence rates. On average, the 2011 adherence rates increased 0.4 to 0.6 percentage points due to the inpatient stay adjustment, and the adjustment may impact the rates positively or negatively.

The hospice and SNF adjustments were tested on 2013 PDE data and overall increased the rates by 0.13 to 0.15 percentage points and 0.29 to 0.35 percentage points, respectively. Hospice information from the Medicare Enrollment Database (EDB) and inpatient claims from the Common Working File (CWF) are available for both PDPs and MA-PDs. SNF claims from the CWF have been used to adjust the SNF PDC adjustments for PDPs. Starting in the 2019 measurement year, when available for MA-PDs in the CWF, adjust the SNF PDC adjustments. Additionally, starting in 2019 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries. Additionally, starting in 2020 measurement year, when available for MA-PDs in the encounter data, adjust for SNF/IP stays for MA-PD beneficiaries.

Note: Hospice enrollment is no longer a PDC adjustment but rather an exclusion starting with the 2021 Star Ratings (2020 YOS).

Calculating the PDC Adjustment for IP Stays and SNF Stays

The PDC modification for IP stays and SNF stays is based on two assumptions: 1) a beneficiary receives their medications through the facility during the IP or SNF stay, and 2) if a beneficiary accumulates an extra supply of their Part D medication during an IP stay or SNF stay, that supply can be used once he/she returns home. The modification is applied using the steps below:

- Identify start and end dates of relevant types of stays for beneficiaries included in adherence measures. The discharge date is included in the PDC adjustment.
 - Use IP claims from the CWF to identify IP stays, and when available for MA-PDs.
 - Use SNF claims from the CWF for PDPs, and when available for MA-PD beneficiaries, for SNF PDC adjustments. (1) Use SNF claims from the CWF with either a positive or negative paid amount with Medicare utilization days to identify Medicare Part A covered SNF stays. (2) Use SNF claims from the CWF with a condition code 04 (Beneficiary enrolled in a MA-PD) not associated with a condition code 21 and/or a no payment reason code.
 - Use IP and SNF stay encounter data when available for MA-PD beneficiaries. Additionally, if IP and SNF stay claims for MA-PD enrolled beneficiaries are reported in the CWF, the CWF will remain as an additional data source.
- Remove days of relevant stays occurring during the measurement period from the numerator and denominator of the proportion of days covered calculation.
- Shift days' supply from Part D prescription fills that overlap with the stay or subsequent fills for the same drug class to uncovered days after the end of the relevant stay, if applicable. This assumes the beneficiary receives the relevant medication from a different source during the stay and accumulates the Part D prescription fills for later use.

If SNF and IP stays cover a beneficiary's entire enrollment episode that meets the inclusion criteria, the associated proportion of member-years is not included in the rate calculation. Consequently, if SNF and IP

The following examples provide illustrations of the implementation of these assumptions when calculating PDC.

Example 1: Gap in Coverage after IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage on days 1-8 and 12-15 and an IP stay on days 5 and 6, as illustrated in Table K-6.

Table K-6: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1	X1				X2	X2	X2	X2
Inpatient Stay					+	+									

PDC Calculation:
 Covered Days: 12
 Measurement Period: 15
 PDC: 12/15 = 80%

With the adjustment for the IP stay, days 5 and 6 are deleted from the measurement period. Additionally, the drug coverage during the IP stay is shifted to subsequent days of no supply (in this case, days 9 and 10), based on the assumption that if a beneficiary received his/her medication through the hospital on days 5 and 6, then he/she accumulated two extra days' supply during the IP stay. The two extra days' supply is used to cover the gaps in Part D drug coverage in days 9 and 10. This is illustrated in Table K-7.

Table K-7: After Adjustment

Day	1	2	3	4	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	+	+		X2	X2	X2	X2
Inpatient Stay													

PDC Calculation:
 Covered Days: 12
 Measurement Period: 13
 PDC: 12/13 = 92%

Example 2: Gap in Coverage before IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-7 and 12-15, and an IP stay on days 12 and 13, as illustrated in Table K-8.

Table K-8: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2	X2	X2
Inpatient Stay												+	+		

PDC Calculation:
 Covered Days: 11
 Measurement Period: 15
 PDC: 11/15 = 73%

With the adjustment for the IP stay, days 12 and 13 are deleted from the measurement period. While there are two days' supply from the IP stay on days 12 and 13, there are no days without drug coverage after the IP stay. Thus, the extra days' supply are not shifted. This is illustrated in Table K-9.

Table K-9: After Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	14	15
Drug Coverage	X1	X1	X1	X1	X1	X1	X1					X2	X2
Inpatient Stay													

PDC Calculation:

Covered Days: 9

Measurement Period: 13

PDC: $9/13 = 69\%$

Example 3: Gap in Coverage Before and After IP Stay

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-3, 6-9, and 12-15, and an IP stay on days 6-9, as illustrated in Table K-10.

Table K-10: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			X2	X2	X2	X2			X3	X3	X3	X3
Inpatient Stay						+	+	+	+						

PDC Calculation:

Covered Days: 11

Measurement Period: 15

PDC: $11/15 = 73\%$

With the adjustment for the IP stay, days 6-9 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay, based on the assumption that the beneficiary received his/her medication through the hospital on days 6-9. In this case, only days 10 and 11 do not have drug coverage and are after the IP stay, so two days' supply are shifted to days 10 and 11. This is illustrated in Table K-11.

Table K-11: After Adjustment

Day	1	2	3	4	5	10	11	12	13	14	15
Drug Coverage	X1	X1	X1			+	+	X2	X2	X3	X3
Inpatient Stay											

PDC Calculation:

Covered Days: 9

Measurement Period: 11

PDC: $9/11 = 82\%$

Example 4: Gap in Coverage After IP Stay and Overlap with Subsequent Fill of the Same Drug Class

In this example, the measurement period is 15 days and the beneficiary qualifies for inclusion in the measure by receiving at least 2 fills. This beneficiary had drug coverage from days 1-4, and 7-11 for the same drug class, and an IP stay on days 2-4, as illustrated in Table K-12.

Table K-12: Before Adjustment

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	X1	X1	X1			X2	X2	X2	X2	X2				
Inpatient Stay		+	+	+											

PDC Calculation:

Covered Days: 9

Measurement Period: 15

PDC: $9/15 = 60\%$

With the adjustment for the IP stay, days 2-4 are deleted from the measurement period. Additionally, the drug coverage during the IP stay can be applied to any days without drug coverage after the IP stay. In the case of overlapping days with a subsequent fill of the same drug class, the days supply of the subsequent fill are shifted. In this example, the days supply of 2 to 4 during the IP stay are shifted to days 5 to 7 after the IP stay. Because day 7 includes 1 days supply of a subsequent fill (X2) of the same drug class, days 7 to 11 that corresponds to the subsequent fill are shifted to days 8 to 12. This is illustrated in Table K-13.

Table K-13: After Adjustment

Day	1	5	6	7	8	9	10	11	12	13	14	15
Drug Coverage	X1	+	+	+	X2	X2	X2	X2	X2			
Inpatient Stay												

PDC Calculation:

Covered Days: 9

Measurement Period: 12

PDC: $9/12 = 75\%$

CMS's drug pricing performance measure evaluates the accuracy of prices displayed on Medicare Plan Finder (PF) for beneficiaries' comparison of plan options. The accuracy score is calculated by comparing the PF price to the PDE price and determining the magnitude and frequency of differences found when the PDE price exceeds the PF price. This document summarizes the methods currently used to construct each contract's PF Composite Price Accuracy Score.

Contract Selection

The Part D Star Ratings rely in part on the submission of pricing data to PF. Therefore, only contracts with at least one plan meeting all of the following criteria are included in the analysis:

- Not a PACE plan
- Not a demonstration plan
- Not an employer plan
- Part D plan
- Plan not terminated during the contract year

Only contracts with at least 30 eligible claims throughout the year are included in the accuracy measure. This ensures that the sample size of PDEs is large enough to produce a reliable accuracy score.

PF Composite Price Accuracy Score

To calculate the PF Composite Price Accuracy Score, the point of sale cost (ingredient costs plus dispensing fee) reported on each PDE claim is compared to the cost resulting from using the unit price reported on Plan Finder.¹ This comparison includes only PDEs for which a PF cost can be assigned. In particular, a PDE must meet seven conditions to be included in the analysis:

1. If the NPI in the Pharmacy Cost (PC) file represents a retail only pharmacy or retail and limited access drug only pharmacy, all corresponding PDEs will be eligible for the measure. However, if the NPI in the PC file represents a retail and other pharmacy type (such as Mail, Home Infusion or Long Term Care pharmacy), only the PDE where the pharmacy service type is identified as either Community/Retail or Managed Care Organization (MCO) will be eligible. NCPDP numbers are mapped to their corresponding NPI numbers.
2. The corresponding reference NDC must appear under the relevant price ID for the pharmacy in the pricing file.²
3. The reference NDC must be on the plan's formulary.
4. Because the retail unit cost reported on Plan Finder is intended to apply to a 1, 2, or 3-month supply of a drugs, only claims with a Days Supply of 28-34, 60-62, or 90-93 are included. If a plan's bid indicates a 1, 2, or 3 month retail days supply amount outside of the 28-34, 60-62, or 90-93 windows, then additional days supply values may be included in the accuracy measure for the plan. For example, a plan that submits a 3 month retail supply of 100 days in their bid will have claims with a days supply of 90-100 included in their accuracy measure calculation.

¹ Plan Finder unit costs are reported by plan, drug, days of supply, and pharmacy. The plan, drug, days of supply and pharmacy from the PDE are used to assign the corresponding Plan Finder unit cost posted on medicare.gov on the date of the PDE.

² Plan Finder prices are reported at the reference NDC level. A reference NDC is a representative NDC of drugs with the same brand name, generic name, strength, and dosage form. To map NDCs on PDEs to a reference NDC, we use First Data Bank (FDB) and Medi-Span to create an expanded list of NDCs for each reference NDC, consisting of NDCs with the same brand name, generic name, strength, and dosage form as the reference NDC. This expanded NDC list allows us to map PDE NDCs to PF reference NDCs.

5. PDEs for dates of service during which the plan was suppressed from Plan Finder or where the relevant pharmacy or drug was not reported in Plan Finder are not included since no Plan Finder cost can be assigned.³
6. PDEs for compound drugs or non-covered drugs are not included.
7. The PDE must occur in Quarter 1 through 3 of the year. Quarter 4 PDEs are not included because PF prices are not updated during this last quarter.

The PF Composite Price Accuracy Measure factors in both how much and how often PDE prices exceeded the prices reflected on the PF. The contract's PF Composite Price Accuracy score is the average of the Price Accuracy Score, which measures the difference between PDE total cost and PF total cost,⁴ and the Claim Percentage Score, which measures the share of claims where PDE prices are less than or equal to PF prices.

Once PF unit ingredient costs are assigned, the PF ingredient cost is calculated by multiplying the unit costs reported on PF by the quantity listed on the PDE. The PDE cost (TC) is the sum of the PDE ingredient cost paid and the PDE dispensing fee. Likewise, the PF TC is the sum of the PF ingredient cost and the PF dispensing fee that corresponds to the same pharmacy, plan, and days of supply as that observed in the PDE. Each claim is then given a score based on the difference between the PDE TC and the PF TC. If the PDE TC is lower than or equal to the PF TC, the claim receives a score equal to zero. In other words, contracts are not penalized when point of sale costs are lower than or equal to the advertised costs. However, if the PDE TC is higher than the PF TC, then the claim receives a score equal to the difference between the PDE TC and the PF TC.⁵ The contract level PF Price Accuracy Index is the sum of the claim level scores and PDE TC across all PDEs that meet the inclusion criteria, divided by the PDE TC for those same claims.

The PF Claim Percentage Index is the percent of all PDEs that meet the inclusion criteria with a PDE TC higher than the PF TC. Note that the best possible PF Price Accuracy Index is 1, and the best possible PF Claim Percentage Index is 0. This occurs when the PF TC is never lower than the PDE TC. The formulas below illustrate the calculation of the contract level PF Price Accuracy Index and PF Claim Percentage Index:

$$\text{Price Accuracy Index} = \frac{\sum_i \max(\text{TC}_{i\text{PDE}} - \text{TC}_{i\text{PF}}, 0) + \sum_i \text{TC}_{i\text{PDE}}}{\sum_i \text{TC}_{i\text{PDE}}}$$

where

$\text{TC}_{i\text{PDE}}$ is the ingredient cost plus dispensing fee reported in PDE_i , and

$\text{TC}_{i\text{PF}}$ is the ingredient cost plus dispensing fee calculated from PF data, based on the PDE_i reported NDC, days of supply, and pharmacy, then rounded to the nearest cent.

$$\text{Claim Percentage Index} = \frac{\sum_i \text{Claims}_{i\text{PDE} > \text{PF}}}{\sum_i \text{Claims}_{i\text{Total}}}$$

where

³ Because CMS continues to display pharmacy and drug pricing data for sanctioned plans on MPF to their current enrollees, sanctioned plans are not excluded from this measure. If, however, CMS completely suppresses a sanctioned contract's data from MPF display, then they would be excluded from the measure.

⁴ PF total costs are rounded to the nearest cent. For example, if the PF total cost is \$10.237, then it is rounded to \$10.24. PF unit costs are not rounded.

⁵ To account for potential rounding errors, this analysis requires that the PDE cost exceed the rounded PF cost by at least a cent (\$0.01) in order to be counted towards the accuracy score. For example, if the PDE cost is \$10.25 and the rounded PF cost is \$10.24, the 1-cent difference would be counted towards plan's accuracy score. However, if the rounded PF cost is higher than \$10.24, the difference would not be considered problematic, and it would not count towards the plan's accuracy score.

⁶ The PF data includes floor pricing. For plan-pharmacy drugs with a floor price, if the PF price is lower than the floor price, the PDE price is compared against the floor price.

$Claims_{iPDE > PF}$ is the total number of claims where the PDE price is greater than the rounded PF price

$Claims_{iTotal}$ is the total number of claims

We use the following formulas to convert the Claim Percentage Index and Price Accuracy Index into the PF Composite Price Accuracy score:

$$\text{Price Accuracy Score} = 100 - [(\text{Price Accuracy Index} - 1) \times 100]$$

$$\text{Claim Percentage Score} = (1 - \text{Claim Percentage Index}) \times 100$$

$$\text{PF Composite Price Accuracy Score} = (0.5 \times \text{Price Accuracy Score}) + (0.5 \times \text{Claim Percentage Score})$$

The PF Composite Price Accuracy Score is rounded to the nearest whole number.

Example of Accuracy Index Calculation

Table L-1 shows an example of the PF Composite Price Accuracy Score calculation. This contract has 4 claims, for 4 different NDCs and 4 different pharmacies. This is an abbreviated example for illustrative purposes only; in the actual accuracy index, a contract must have 30 eligible claims to be evaluated.

From each of the 4 claims, the PDE ingredient cost, dispensing fee, and quantity dispensed are obtained. Additionally, the plan ID, days of supply, date of service, and pharmacy number are collected from each PDE to identify the PF data that had been submitted by the contract and posted on Medicare.gov on the PDE dates of service. The NDC on the claim is first assigned the appropriate reference NDC, based on the brand name, generic name, strength, and dosage form. Using the reference NDC, the following PF data are obtained: brand/generic dispensing fee (as assigned by the pharmacy cost file) and unit cost (as assigned by the Price File corresponding to that pharmacy and days of supply on the date of service). The PDE cost is the sum of the PDE ingredient cost and dispensing fee. The PF cost is computed as the quantity dispensed from PDE multiplied by the PF unit cost plus the PF brand/generic dispensing fee (brand or generic status is assigned based on the NDC), and then rounded to the nearest cent.

The last column shows the amount by which the PDE cost is higher than the rounded PF cost. When PDE cost is less than or equal to the rounded PF cost, this value is zero. The Price Accuracy Index is the sum of the last column plus the sum of PDE costs all divided by the sum of PDE costs. The Claim Percentage Index is the number of rows where the last column is greater than zero divided by the total number of rows.

Table L-1: Example of Price Accuracy Index Calculation

NDC	Pharmacy Number	PDE Data DOS	PDE Data Ingredient Cost	PDE Data Dispensing Fee	PDE Data Quantity Dispensed	PDE Days of Supply	PF Data Biweekly Posting Period	PF Data Unit Cost	PF Data Dispensing Fee Brand	PF Data Dispensing Fee Generic	Calculated Value Brand or Generic Status	Calculated Value Total Cost PDE	Calculated Value Total Cost PF	Calculated Value Amount that PDE is higher than PF
A	111	01/08/2020	3.82	2	60	60	01/06/20 - 01/19/20	0.014	2.25	2.75	B	5.82	3.09	2.73
B	222	01/24/2020	0.98	2	30	60	01/20/20 - 02/02/20	0.83	1.75	2.5	G	2.98	27.40	0
C	333	02/11/2020	10.48	1.5	24	28	02/03/20 - 02/16/20	0.483	2.5	2.5	B	11.98	14.09	0
D	444	02/21/2020	47	1.5	90	30	02/17/20 - 03/01/20	0.48	1.5	2.25	G	48.50	45.45	3.05
PDE = Prescription Drug Event PF = Plan Finder														
Totals												69.28		5.78
Price Accuracy Index														1.08343
Claim Percentage Index														0.5
PF Composite Price Accuracy Score														71

Medicare Part D Reporting Requirements Measure (D11: MTM CMR Completion Rate Measure)

- Step 1: Start with all contracts that enrolled beneficiaries in MTM at any point during contract year 2020. Beneficiaries with multiple records that contain varying information for the same contract are excluded from the measure calculation for that contract.
- Step 2: Exclude contracts that did not enroll 31 or more beneficiaries in their MTM program who met the measure denominator criteria during contract year 2020.

Next, exclude contracts with an effective termination date on or before the deadline to submit data validation results to CMS (June 30, 2021), or that were not required to participate in data validation. The current MTM requirements are waived for the PBPs approved to participate in the Enhanced MTM Model and data on participating PBPs must not be reported per the Part D Reporting Requirements under the current MTM program. This MTM data will instead be reported in accordance with model terms and conditions and not included in the measure calculation.

Additionally, exclude contracts that did not score at least 95% on data validation for their plan reporting of the MTM Program section and contracts that scored 95% or higher on data validation for the MTM Program section but that were not compliant with data validation standards/sub-standards for at least one of the following MTM data elements. We define a contract as being non-complaint if either it receives a "No" or a 1, 2, or 3 on the 5-point Likert scale in the specific data element's data validation.

- HICN (or MBI) or RRB Number (Element B)
- Met the specified targeting criteria per CMS – Part D requirements (Element F)
- Date of MTM program enrollment (Element I)
- Date met the specified targeting criteria per CMS – Part D requirements (Element J)
- Date of MTM program opt-out, if applicable (Element K)
- Received annual CMR with written summary in CMS standardized format (Element P)
- Date(s) of CMR(s) (Element Q)

- Step 3: After removing contracts' and beneficiaries' data excluded above, suppress contract rates based on the following rules:

File DV failure: Contracts that failed to submit the CY 2020 MTM Program Reporting Requirements data file or who had a missing DV score for MTM are listed as "CMS identified issues with this plan's data."

Section-level DV failure: Contracts that score less than 95% in DV for their CY 2020 MTM Program Reporting Requirements data are listed as "CMS identified issues with this plan's data."

Element-level DV failure: Contracts that score 95% or higher in DV for their CY 2020 MTM Program Reporting Requirements data but that failed at least one of the seven data elements are listed as "CMS identified issues with this plan's data."

Small size: Contracts that have not yet been suppressed and have fewer than 31 beneficiaries enrolled are listed as "Not enough data available."

Organizations can view their own plan reporting data validation results in HPMS (<https://hpms.cms.gov/>). From the home page, select Monitoring | Plan Reporting Data Validation.

- Step 4: Calculate the rate for the remaining contracts using the following formula:

Number of beneficiaries from the denominator who received a CMR at any time during their period of MTM enrollment in the reporting period / Number of beneficiaries who were at least 18 years or older as of the beginning of the reporting period, met the specified targeting criteria per CMS during the reporting period, weren't in hospice at any point during the reporting period, and who were enrolled in the MTM program for at least 60 days during the reporting period. Beneficiaries who were enrolled in

the contract's MTM program for less than 60 days at any time in the measurement year are included in the denominator and the numerator if they received a CMR within this timeframe. Beneficiaries are excluded from the measure calculation if they were enrolled in the contract's MTM program for less than 60 days and did not receive a CMR within this timeframe.

Puerto Rico has a unique health care market with a large percentage of low-income individuals in both Medicare and Medicaid and a complex legal history that affects the health care system in many ways. Puerto Rican beneficiaries are not eligible for LIS. The categorization of contracts into final adjustment categories for the Categorical Adjustment Index (CAI) relies on both the use of a contract's percentages of beneficiaries with Low Income Subsidy/Dual Eligible (LIS/DE) and disabled beneficiaries. Since the percentage of LIS/DE is a critical element in the categorization of contracts to identify the contract's CAI, an additional adjustment is done for contracts that solely serve the population of beneficiaries in Puerto Rico to address the lack of LIS. The additional analysis for the adjustment results in a modified percentage of LIS/DE beneficiaries that is subsequently used to categorize the contract in its final adjustment category for the CAI.

The contract-level modified LIS/DE percentages for Puerto Rico contracts for the 2022 Star Ratings are developed using the following sources of information:

- The 2019 1-year American Community Survey (ACS) estimates for the percentage of people living below the Federal Poverty Level (FPL);
- The 2019 ACS 5-year estimates for the percentage of people living below 150% of the FPL;¹ for Puerto Rico and for the 10 poorest US states (which may include the District of Columbia).
- The Medicare enrollment data file for those enrolled during 2020 provided, for beneficiaries who were alive at least through December 2020 and in the 10 US states with the highest poverty rates, the percentage of each contract's beneficiaries who were DE and the percentage who were LIS/DE. Beneficiary DE status was determined using a) the monthly beneficiary dual status codes, b) identification of Low Income Part D enrollees who reside in the US Territories, and c) beneficiaries with Medicaid coverage/who are Medicaid eligible by the Point of Sale contractor. Beneficiaries who were LIS were determined using the monthly beneficiary LIS status codes. Beneficiaries were classified LIS/DE by combining the beneficiaries identified as DE and beneficiaries identified as LIS.
- The Puerto Rico DE percentages came from the average percentage of Medicaid beneficiaries from the HPMS monthly contract enrollment data for the 2020 measurement year.

The following steps are employed to determine the modified percentages of LIS/DE for MA contracts solely serving the population of beneficiaries in Puerto Rico. All references to contracts in Puerto Rico are limited to the contracts solely serving the population of beneficiaries in Puerto Rico.

- The 10 states with the highest proportion of people living below the FPL are identified, based on 2019 1-year data from ACS (<https://www.census.gov/content/dam/Census/library/publications/2020/acs/acsbr20-04.pdf>, see Table 1). *The states identified are: Alabama, Arkansas, Kentucky, Louisiana, Mississippi, New Mexico, Oklahoma, South Carolina, Tennessee, and West Virginia.*
- Data are aggregated from Medicare Advantage contracts that had at least 90% of their beneficiaries enrolled with mailing addresses within the 10 highest poverty states identified in step (1). *For the 2022 Star Ratings adjustment, the data used for the model development included a total of 87 Medicare Advantage contracts with at least 90% of their beneficiaries with mailing addresses in one of the ten poorest states listed above.*
- A linear regression model is developed using the known LIS/DE percentage and the corresponding DE percentage from the MA contracts in the 10 highest poverty states with at least 90% of their beneficiaries with mailing addresses in one of the ten states
- The model for Puerto Rico is developed using the model in step (3) as its base.

The estimated slope from the linear fit in the previous step (3) is retained to approximate the expected relationship between LIS/DE for each contract in Puerto Rico and its DE percentage. However, as

¹ The most recent ACS 5-year estimates are employed for the model development. For the 2022 Star Ratings, the most recent data are the 2019 ACS 5-year estimates.

Puerto Rico contracts are expected to have a larger percentage of low-income beneficiaries, the intercept term is adjusted to be more suitable for use with Puerto Rico contracts as follows:

The intercept term for the Puerto Rico model is estimated by assuming that the Puerto Rico model will pass through the point (x, y) where x is the observed average DE percentage in the Puerto Rico contracts, and y is the expected average percentage of LIS/DE in Puerto Rico. The expected average percentage of LIS/DE in Puerto Rico (the y value) is not observable but is estimated by multiplying the observed average percentage of LIS/DE in the 10 highest poverty states identified in step (1) by the ratio based on the 2019 5-year ACS estimates of the percentage living below 150% of the FPL in Puerto Rico compared to the corresponding percentage in the 10 poorest US states.

- To obtain each Puerto Rico contract's modified LIS/DE percentage, a contract's observed DE percentage is used in the Puerto Rico model developed in the previous step (4).

A contract's observed DE percentage is multiplied by the slope estimate, and then, the newly derived intercept term is added to the product. The estimated modified LIS/DE percentage is capped at 100%. Any estimated LIS/DE percentage that exceeds 100% is categorized in the final adjustment category for LIS/DE with an upper bound of 100%.

Note that the District of Columbia is included with the 50 US states when determining the 10 poorest in 2019. All estimated modified LIS/DE values for Puerto Rico are rounded to six decimal places when expressed as a percentage. (This rounding rule aligns with the limits for the adjustment categories for LIS/DE for the CAI.)

Model

The generic model developed to estimate a contract's LIS/DE percentage using its DE percentage is as follows:

$$\widehat{\text{LIS/DE}} = (\text{Slope} \times \text{contract's DE percentage}) + (\text{intercept})$$

Using the data from the 10 highest poverty states, the estimated slope was calculated to be 0.909523.

$$\widehat{\text{LIS/DE}} = (0.911539 \times \text{contract's DE percentage}) + (\text{intercept})$$

Next, the intercept for the Puerto Rico model was determined using the point (x, y) where x is the observed average DE percentage in Puerto Rico contracts (30.635907%) and y is an estimated expected average percentage of LIS/DE in Puerto Rico.

To calculate the estimated expected average percentage of LIS/DE in Puerto Rico, the observed average percentage of LIS/DE in the 10 poorest US states identified in step (1) is multiplied by the ratio of the percentage of Puerto Rico residents living below 150% of the FPL to the analogous percentage in the 10 poorest US states.

Description	Value
Percent of PR residents below 150% of FPL	60.600000%
Percent of residents in the 10 poorest US states below 150% of FPL	27.331987%
Observed average LIS/DE percentage in the 10 poorest US states	35.876282%
Observed average DE percentage in Puerto Rico contracts	30.635907%

The product thus becomes $\left(35.876282 \times \frac{60.600000}{27.331987} \right)$.

The new intercept for the Puerto Rico model is as follows:

$$\text{new intercept} = \left(35.876282 \times \frac{60.600000}{27.331987} \right) - (0.911539 \times 30.635907)$$

The final model to estimate the percentage of LIS/DE in Puerto Rico model is as follows:

$$\widehat{\text{LIS/DE}} = (0.911539 \times \text{contract's DE percentage}) + \left(\left(35.876282 \times \frac{60.600000}{27.331987} \right) - (0.911539 \times 30.635907) \right)$$

Example

To calculate the contract-level modified LIS/DE percentage for a hypothetical contract from Puerto Rico with an observed DE percentage of 25%, the value of 25.000000% is used in the model developed.

$$\widehat{\text{LIS/DE}} = (0.911539 \times \text{contract's DE percentage}) + \left(\left(35.876282 \times \frac{60.600000}{27.331987} \right) - (0.911539 \times 30.635907) \right)$$

The contracts percentage of 25.000000% is substituted into the Puerto Rico model.

$$\widehat{\text{LIS/DE}} = (0.911539 \times 25.000000) + \left(\left(35.876282 \times \frac{60.600000}{27.331987} \right) - (0.911539 \times 30.635907) \right)$$

The contract-level modified LIS/DE percentage for a hypothetical Puerto Rico contract that has an observed DE percentage of 25.000000% is 74.406911%.

The final adjustment category for the CAI adjustment is identified using the DE percentage of 25.000000% and the LIS/DE percentage 74.406911%.

Part C Scaled Reduction Methodology

CMS's scaled reduction methodology is a three-stage process that uses the Timeliness Monitoring Project (TMP) or audit data as the means to determine: first, whether a contract may be subject to a potential reduction for the Part C appeals measures due to an IRE data completeness issue; second, as the basis to determine the estimated error rate; and finally, to see whether the estimated error rate is statistically significantly greater than established thresholds for a scaled reduction.

Stage 1: Determine Whether the Contract is Subject to a Potential Reduction for the Part C Appeals Measures Due to an IRE Data Completeness Issue

Step 1A: Data Source and Data Values

The scaled reduction methodology uses the data submitted for the Timeliness Monitoring Project (TMP) for the measurement year that is associated with the Star Ratings' year. For example, the 2022 Star Ratings scaled reductions are based on the 2020 TMP data submitted in 2021. The data, submitted at the Parent Organization level, are disaggregated to the contract level for analysis.

The following information is needed to begin the steps to determine whether a contract will be subject to a possible scaled reduction for their Part C appeals measures because of data integrity issues. The information is available in HPMS during Plan Preview. The field name in HPMS is provided within parentheses after the description in the bulleted list below.

- Number of Cases Not Forwarded to the IRE (Cases Not Forwarded to IRE)
- Number of Cases Forwarded to the IRE (Cases Forwarded to IRE)
- Total Number of Cases that Should Have Been Forwarded to the IRE (Total IRE Cases)
- TMP Data Collection Period (Months)
- Part C Calculated Error Rate

The Total Number of Cases that Should Have Been Forwarded to the IRE is calculated by adding the Number of Cases Not Forwarded to the IRE (Cases Not Forwarded to IRE) and the Number of Cases Forwarded to the IRE (Cases Forwarded to IRE) (Equation A).

Equation (A)

$$\text{Total Number of Cases that Should Have Been Forwarded to IRE} = \text{Number of Cases Not Forwarded to IRE} + \text{Number of Cases Forwarded to IRE}$$

Step 1B: Part C Calculated Error Rate

Using the values in Step 1A, determine the Part C Calculated Error Rate.

The Calculated Error Rate is the quotient of the Number of Cases Not Forwarded to the IRE during the TMP collection period and the Total Number of Cases that Should Have Been Forwarded to the IRE in the same period (Equation B).

Equation (B)

$$\text{Part C Calculated Error Rate} = \frac{\text{Number of Cases Not Forwarded to the IRE}}{\text{Total Number of Cases that Should Have Been Forwarded to the IRE}}$$

Step 1C: 3-month Projected Number of Cases

Since the timeframe for the TMP or audit data is dependent on a contract's enrollment, a 3-month Projected Number of Cases Not Forwarded to the IRE is determined to allow a consistent application of the developed criteria.

To calculate a contract's 3-month Projected Number of Cases Not Forwarded to the IRE, first identify the multiplying factor using Table O-1. Locate the row (months) that corresponds to the TMP Data Collection Period.

Table O-1: Multiplying Factor to calculate the 3-month Projected Number of Cases Not Forwarded to the IRE

TMP Data Collection Period (Months)	Multiplying Factor for the 3-month Projected Number of Cases Not Forwarded to IRE
1	3.0
2	1.5
3	1.0

Next, multiply the Number of Cases Not Forwarded to the IRE that was posted in HPMS by the factor identified in Table 1 for the contract (Equation C). The product is the 3-month Projected Number of Cases Not Forwarded to the IRE.

Equation (C)

$$\text{3-month Projected Number of Cases Not Forwarded to the IRE} = \text{Multiplying Factor} \times \text{Number of Cases Not Forwarded to IRE in the TMP period}$$

Step 1D: Subject to Reduction

Criteria were developed to determine if a contract's Part C appeals measures may be subject to a possible IRE data completeness reduction.

A contract is subject to a possible reduction due to lack of IRE data completeness if both conditions are met:

- The Calculated Error Rate is 20% or more.
- The 3-month Projected Number of Cases Not Forwarded to the IRE is at least 10.

Using the Part C Calculated Error Rate and the 3-month Projected Number of Cases Not Forwarded to the IRE, check the criteria to determine if the contract is subject to a possible reduction. Table O-2 below is provided to determine if a contract is subject to a possible reduction.

Table O-2: Identification of a Contract that is Subject to a Possible Scaled Reduction

Calculated Error Rate	3-month Projected Number of Cases Not Forwarded to IRE	Contract Subject to a Possible Reduction
Less than 20%	Less than 10 cases	No
Less than 20%	10 cases or more	No
At Least 20%	Less than 10 cases	No
At Least 20%	10 cases or more	Yes

If a contract is not subject to a possible reduction, the contract will receive the measure-level Star Ratings for the Part C appeals measures determined by the specification detailed in the section regarding the Methodology for Assigning Stars to the Part C and Part D measures in this document.

If a contract is subject to a possible reduction, then continue to Stage 2.

Stage 2: Estimated Error Rate

Step 2A: Lower Bound of the Score Interval

Using the Part C Calculated Error Rate in Step 1B, the lower bound of the confidence interval (Wilson Score Interval) is determined and used to statistically test the value against a set of thresholds to identify the scaled reduction for a contract's Part C appeals measures.

To determine the lower bound, first, the midpoint of the interval must be calculated. There are two values needed to calculate the midpoint of the interval for a contract – the Part C Calculated Error Rate and the Total Number of Cases that Should Have Been Forwarded to the IRE in the TMP Data Collection Period.¹

Substitute the Calculated Error Rate and the Total Number of Cases that Should Have Been Forwarded to the IRE for the Total Number of Cases in Equation (D). The z value used for the calculation of the interval is 1.959964.²

Equation (D)

$$\text{Midpoint} = \text{Calculated Error Rate} \times \left(\frac{\text{Total Number of Cases}}{\text{Total Number of Cases} + z^2} \right) + \frac{1}{2} \left(\frac{z^2}{\text{Total Number of Cases} + z^2} \right)$$

Once the midpoint is calculated, determine the value of the lower bound of the interval.

The lower bound of the interval is found by substituting the value determined for the midpoint, the Calculated Error Rate, the value of 1.959964 for z, and the Total Number of Cases that Should Have Been Forwarded to the IRE for the value for n in Equation (E).

Equation (E)

$$\text{Lower Bound} = \text{Midpoint} - z \times \sqrt{\frac{1}{n + z^2} \left[(\text{Calculated Error Rate}) (1 - \text{Calculated Error Rate}) \left(\frac{n}{n + z^2} \right) + \frac{1}{4} \left(\frac{z^2}{n + z^2} \right) \right]}$$

Convert the lower bound to a percent by multiplying by 100.

Stage 3: Scaled Reduction

Step 3A: Statistical Testing

Once the value of the lower bound is determined (Stage 2), the value is compared to the thresholds in Table O-3 to determine if a contract's estimated value is significantly greater than the thresholds.

Using the calculated value for the lower bound in Step 2A, identify the value(s) in the table for which the calculated lower bound exceeds the threshold in the row. Next, identify the highest threshold that the lower bound exceeds.

Note: A contract's lower bound can be statistically significantly higher for more than one threshold. The scaled reduction will be determined by the highest associated scaled reduction.

Table O-3: Thresholds and Associated Reductions

Threshold	Reduction for Incomplete IRE Data (Stars)
20%	1
40%	2
60%	3
80%	4

Using the highest threshold in Table P-3 that the contract's lower bound exceeds, identify the associated reduction for incomplete IRE data.

Step 3B: Application of the Scaled Reduction

¹ The Total Number of Cases that Should Have Been Forwarded to the IRE in the TMP Data Collection Period is not the same as the 3-month Projected Number of Cases Not Forwarded to the IRE determined in Step 1C.

² The z used for the calculated of the interval corresponds to a level of statistical significance of 0.05.

The identified scaled reduction in Table P-3 is subtracted from the measure-level Star Rating for both Part C appeals measure-level Star Ratings. If the resulting measure-level Star Rating is less than one-star, the measure is assigned one star.

Note: If the Part C appeals measures receive a scaled reduction, the Part C appeals measures would not be eligible for inclusion in of the Part C improvement measure.

Attachment P: Identification of Contracts Affected by Disasters

Natural disasters such as hurricanes and wildfires can directly affect Medicare beneficiaries and providers, as well as the Parts C and D organizations that provide them with important medical care and prescription drug coverage. These disasters may negatively affect the underlying operational and clinical systems that CMS relies on for accurate performance measurement in the Star Ratings program.

The 2022 Rate Announcement (<https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Announcements-and-Documents.html>) documented CMS's policy for making adjustments in the Star Ratings to take into account the effects of extreme and uncontrollable circumstances which occurred during the performance period. This is also codified in regulation at §422.166(i) and §423.86(i).

Operational Steps to Calculating Enrollment Impacted in Affected Contracts.

- Identify the areas which experienced both extreme and uncontrollable circumstances as defined in Section 1135 (g) of the Act and also are within a county or statistically equivalent entity¹, U.S. territory or tribal government designated in a major disaster declaration under the Stafford Act.
- 1) Areas where the Health and Human Services (HHS) Secretary exercised their authority under Section 1135 of the Act can be found at the Public Health Emergency website at <https://www.phe.gov/emergency/news/healthactions/section1135/Pages/default.aspx>
 - 1) Major disaster areas are identified by the Federal Emergency Management Agency (FEMA) website at: <https://www.fema.gov/disasters>.

Table P-1 contains the list of Section 1135 waivers issued by the HHS Secretary along with associated FEMA major disaster information that falls within the performance period for the 2022 Star Ratings and Table P-2 contains the list of FEMA major disaster declarations issued as a result of the COVID-19 outbreak.

Table P-1: List of Section 1135 waivers issued in relation to the FEMA major disaster declarations

Section 1135 Waiver Date Issued	Waiver or Modification of Requirements Under Section 1135 of the Social Security Act	FEMA Major Disaster Declaration	FEMA Incident Type	Affected State	Incident Start Date	Declared Major Disaster
03/13/2020	Nationwide as a result of COVID-19 outbreak	See Table P-2	2019 novel coronavirus (COVID-19) pandemic	Nationwide	01/27/2020	See Table P-2
08/26/2020	California Wildfires	DR-4558	Wildfires	California	08/14/2020	08/22/2020
	California Wildfires	DR-4659	Wildfires	California		
08/26/2020	Hurricane Laura	DR-4559	Hurricane	Louisiana	08/22/2020	08/28/2020
09/16/2020	Oregon Wildfires	DR-4562	Wildfires	Oregon	09/07/2020	09/15/2020

Table P-2: List of FEMA disaster declarations issued as a result of the COVID-19 outbreak

FEMA Major Disaster Declaration	Affected State
DR-4503	Alabama
DR-4533	Alaska
DR-4524	Arizona
DR-4518	Arkansas
DR-4482	California
DR-4498	Colorado
DR-4500	Connecticut

¹ The Census Bureau has been charged by the U.S. Congress to maintain the geographic reference information for the United States and its territories. The full definition of "county or statistically equivalent entities" can be found at their website https://www.census.gov/geo/reference/gtc/gtc_cou.html.

FEMA Major Disaster Declaration	Affected State
DR-4526	Delaware
DR-4502	Washington D.C.
DR-4486	Florida
DR-4501	Georgia
DR-4495	Guam
DR-4510	Hawaii
DR-4534	Idaho
DR-4489	Illinois
DR-4529	Indiana
DR-4483	Iowa
DR-4504	Kansas
DR-4497	Kentucky
DR-4484	Louisiana
DR-4522	Maine
DR-4491	Maryland
DR-4496	Massachusetts
DR-4494	Michigan
DR-4531	Minnesota
DR-4528	Mississippi
DR-4490	Missouri
DR-4508	Montana
DR-4521	Nebraska
DR-4508	Nevada
DR-4516	New Hampshire
DR-4488	New Jersey
DR-4515	New Mexico
DR-4480	New York
DR-4487	North Carolina
DR-4509	North Dakota
DR-4507	Ohio
DR-4530	Oklahoma
DR-4499	Oregon
DR-4506	Pennsylvania
DR-4493	Puerto Rico
DR-4505	Rhode Island
DR-4492	South Carolina
DR-4527	South Dakota
DR-4514	Tennessee
DR-4485	Texas
DR-4513	U.S. Virgin Islands
DR-4525	Utah
DR-4532	Vermont
DR-4512	Virginia
DR-4481	Washington
DR-4517	West Virginia
DR-4520	Wisconsin
DR-4535	Wyoming
DR-4558	California
DR-4559	Louisiana
DR-4562	Oregon

- Identify the counties or statistically equivalent entities which were declared as Individual Assistance areas by each of the FEMA major disaster declarations that meet the criteria set out in Step 1.

Table P-3 list all of the FEMA major disaster declarations other than the COVID-19 Pandemic from Table P-1 along with the state and associated Individual Assistance counties, if any.

Table P-3: Individual Assistance counties in FEMA Major Disaster Declared States Other than from the COVID-19 Pandemic

FEMA Declaration	State	FEMA Individual Assistance Counties
DR-4558	California	Lake, Monterey, Napa, San Mateo, Santa Cruz, Solano, Sonoma, Yola
DR-4559	Louisiana	Acadia, Allen, Beauregard, Calcasieu, Cameron, Grant, Jackson, Jefferson, Davis, Lincoln, Natchitoches, Ouachita, Rapides, Sabine, Vermilion, Vernon, Winn
DR-4562	Oregon	Clackamas, Douglas, Jackson, Klamath, Lane, Lincoln, Linn, Marion

- Identify the service area at the state/county level for each contract in operation during the performance period. The service area of some organization types rated in the Star Ratings are not defined at the state/county level, so their service area must be transformed to include all states and counties covered by their service area.

Table P-4 lists how the service area for each organization type rated in the Star Ratings is defined and what transformation, if any, is needed to create a common state/county level file for all contracts.

Table P-4: Organization type service areas and necessary transformations

Star Rating Organization Types	How Service Area is defined	How Service Area is transformed
1876 Cost, E-CCP, E-PDP, E-PFFS, Local CCP, MSA, PFFS, R-PFFS & R-CCP	State/County	Not necessary, service area is defined at the state/county level
Regional CCP	MA Region	A record is created for each state/county within the MA region
PDP	PDP Region	A record is created for each state/county within the PDP region

- Compare the Individual Assistance states and counties from Step 2 to the service area from all contracts created in Step 3 with the state and counties. Create a list of all contracts which have any county that matches in both lists.
- Create a second list of all contracts that do not share any service area with the Individual Assistance counties, so that information on the status of all contracts is accounted for during the performance period.
- Identify the timeframe for each disaster and the associated enrollment files. Each of the disasters occurred during a specific period of time spread across the second half of the performance period. Since the enrollment in a contract is constantly changing, CMS used the enrollment the contract was paid for in a month that as closely matched the disaster period in the specific state/county as possible for all further processing, following the months in the table below.

Table P-5 shows each of the disasters where relief was granted along with the disaster start date, and the enrollment file month that was used for that specific disaster. The enrollment file choice was based on the enrollment file cut-off date the file was created.

Table P-5: Major disasters with associated enrollment months

FEMA Declaration	State	Start Date	Declaration Date	Enroll File	Enroll Cut Off
COVID-19 outbreak (see table P-2)	Nationwide	01/27/2020	Various	N/A*	N/A*
DR-4558	California	08/14/2020	08/22/2020	N/A*	N/A*
DR-4559	Louisiana	08/22/2020	08/28/2020	N/A*	N/A*
DR-4562	Oregon	09/07/2020	09/15/2020	N/A*	N/A*

*Not applicable for the 2022 Star Ratings because all contracts that were active in 2020 qualify for the disaster adjustment as a result of the COVID-19 pandemic.

- Calculate impacted enrollments by contract taking into account contracts experiencing multiple disasters. Because of the varying sizes of the areas served by the contracts being rated, it is common for a contract to be affected by more than one of the disasters. To account for this, CMS rolled up the enrollment for each contract at the state/county level and then when more than one enrollment period applied an average of the enrollments from each of corresponding enrollment periods where the contract was affected was used.

Table P-6 shows an example where all possible enrollment periods are accounted for and how the enrollment for a contract in a state/county which matched the contract's service area state/county was calculated. Enrollment in out of service area state/counties was not included.

Table P-6: How enrollment periods were combined for contracts experiencing multiple disasters

Formula ID	Enrolled 2020_10	Enrolled 2020_11	Enrolled 2020_12	Enrollment Used
B	True	True	True	$(2020\_10 + 2020\_11 + 2020\_12) / 3$
C	True	True		$(2020\_10 + 2020\_11) / 2$
F	True		True	$(2020\_10 + 2020\_12) / 2$
H	True			2020_10
J		True	True	$(2020\_11 + 2020\_12) / 2$
L		True		2020_11
N			True	2020_12
P				0 (zero)

- Using the enrollment for the contract developed in Step 7, take the sum of the enrollment in the entire service area for the contract to be used in further processing.
- Using the enrollment for the contract developed in Step 7, take the sum of the enrollment in all of the Individual Assistance counties that correspond to the contract service area.
- Using the final list of affected contracts from Step 4, calculate the percentage of the contract's total service area enrollment that was affected by the Individual Assistance area enrollment. Create flags for the $\geq 25\%$ and $\geq 60\%$ thresholds for processing of the ratings data for those contracts. (For 2022 Star Ratings, the 60% threshold does not apply.)

Example:

For this example, steps 1 and 2 use the disasters and counties that have already been defined in Tables P-1 & P-3. For steps 3 through 10, we use an example contract, HAAAA, which offers services to some counties from both California and Texas.

Step 3, Table P-7 below contains the full list of counties that make up the service area for contract HAAAA.

Step 4, the Individual Assistance County column is included in Table P-7. Rows marked TRUE are matches from Individual Assistance counties in disasters DR-4332 and D-4344 and the service areas of HAAAA. The rows marked FALSE were not Individual Assistance counties for any of the disasters in HAAAA.

Step 5, since the example contract HAAAA has service areas that coincide with disaster counties, it is not included in the list of contracts not affected.

Step 6, there are two separate enrollment periods associated with the disasters that match example contract HAAAA's service area. Those enrollment periods are 2019/09 & 2019/11. Columns for all enrollment periods are included in table P-7, but only the valid enrollment periods contain the necessary data.

Step 7, the average enrollment is calculated for the included enrollment periods. The formula for average enrollment comes from the Table Q-5 row F under the column Formula ID. The result of each average calculation for each county in the example contract's service area is shown in the final column of Table P-7.

Table P-7: Example contract HAAAA's service areas and enrollment during relevant disasters

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 2020/09	Enrolled 2020/10	Enrolled 2020/11	Enrolled 2021/01	Average Enrollment
06003	Alpine	CA	No	FALSE	8	-	8	-	8
06009	Calaveras	CA	No	FALSE	849	-	850	-	850
06011	Colusa	CA	No	FALSE	168	-	166	-	167
06015	Del Norte	CA	No	FALSE	369	-	360	-	364
06023	Humboldt	CA	No	FALSE	702	-	710	-	706
06045	Mendocino	CA	No	TRUE	428	-	429	-	428
06049	Modoc	CA	No	FALSE	157	-	158	-	158
06063	Plumas	CA	No	FALSE	182	-	181	-	182
06093	Siskiyou	CA	No	FALSE	798	-	800	-	799
06105	Trinity	CA	No	FALSE	150	-	150	-	150
48043	Brewster	TX	Yes	FALSE	16	-	15	-	16
48047	Brooks	TX	Yes	FALSE	28	-	27	-	28
48049	Brown	TX	Yes	FALSE	64	-	65	-	64
48057	Calhoun	TX	Yes	TRUE	28	-	28	-	28
48093	Comanche	TX	Yes	FALSE	33	-	32	-	32
48103	Crane	TX	Yes	FALSE	8	-	8	-	8
48109	Culberson	TX	Yes	FALSE	3	-	3	-	3
48123	DeWitt	TX	Yes	TRUE	26	-	26	-	26
48131	Duval	TX	Yes	FALSE	30	-	28	-	29
48133	Eastland	TX	Yes	FALSE	64	-	62	-	63
48143	Erath	TX	Yes	FALSE	61	-	59	-	60
48163	Frio	TX	Yes	FALSE	43	-	42	-	42
48171	Gillespie	TX	Yes	FALSE	17	-	17	-	17
48175	Goliad	TX	Yes	TRUE	18	-	18	-	18
48177	Gonzales	TX	Yes	TRUE	41	-	41	-	41
48237	Jack	TX	Yes	FALSE	35	-	34	-	34
48239	Jackson	TX	Yes	TRUE	30	-	30	-	30
48255	Karnes	TX	Yes	TRUE	19	-	19	-	19
48265	Kerr	TX	Yes	FALSE	85	-	86	-	86
48283	La Salle	TX	Yes	FALSE	25	-	25	-	25
48297	Live Oak	TX	Yes	FALSE	24	-	24	-	24
48301	Loving	TX	Yes	FALSE	0	-	0	-	0
48311	McMullen	TX	Yes	FALSE	4	-	4	-	4
48321	Matagorda	TX	Yes	TRUE	144	-	140	-	142
48323	Maverick	TX	Yes	FALSE	160	-	156	-	158
48371	Pecos	TX	Yes	FALSE	20	-	21	-	20
48377	Presidio	TX	Yes	FALSE	50	-	49	-	50
48389	Reeves	TX	Yes	FALSE	8	-	8	-	8
48391	Refugio	TX	Yes	TRUE	21	-	21	-	21
48443	Terrell	TX	Yes	FALSE	9	-	9	-	9
48463	Uvalde	TX	Yes	FALSE	13	-	10	-	12
48469	Victoria	TX	Yes	TRUE	158	-	154	-	156
48475	Ward	TX	Yes	FALSE	15	-	15	-	15

FIPS Code	County Name	ST CD	EGHP County	Individual Assistance County	Enrolled 2020/09	Enrolled 2020/10	Enrolled 2020/11	Enrolled 2021/01	Average Enrollment
48495	Winkler	TX	Yes	FALSE	20	-	20	-	20

Step 8, sum the average enrollment from all rows from Table Q-6. The total comes out to 5,120 for contract HAAAA.

Step 9, sum the average enrollment from all the rows from Table Q-6 where the Individual Assistance counties is TRUE for contract HAAAA. The Individual Assistance total comes out to 909.

Step 10, calculate the final percentage for contract HAAAA. $(909 / 5,120) * 100 = 17.753906 = 18\%$. Both flags for $\geq 25\%$ and $\geq 60\%$ are set to false since the example contract did not meet those thresholds.

Attachment Q: Missing Data Messages

CMS uses a standard set of messages in the Star Ratings when there are no numeric data available for a contract. This attachment provides the rules for assignment of those messages in each level of the Star Ratings.

Measure level messages

Table Q-1 contains all of the possible messages that could be assigned to missing data at the measure level.

Table Q-1: Measure level missing data messages

Message	Measure Level
Coming Soon	Used for all measures in MPF between Oct 1 and when the actual Star Rating data go live
Medicare shows only a Star Rating for this topic	Used in the numeric data for the Part C & D improvement measures in MPF and Plan Preview 2
Not enough data available	There were data for the contract, but not enough to pass the measure exclusion rules
CMS identified issues with this plan's data	Data were materially biased, erroneous and/or not reported by a contract required to report
Not Applicable	Used in the numeric data for the improvement measures in Plan Preview 1. In the HPMS Measure Star Page when a measure does not apply for a contract. When a Disenrollment Reasons Survey measure does not apply to the contract type.
Benefit not offered by plan	The contract was required to report this HEDIS measure but doesn't offer the benefit to members
Plan too new to be measured	The contract is too new to have submitted measure data
No data available	There were no data for the contract included in the source data for the measure
Plan too small to be measured	The contract had data but did not have enough enrollment to pass the measure exclusion rules
Plan not required to report measure	The contract was not required to report the measure

Assignment rules for Part C measure messages

Part C uses a set of rules for assigning the missing data message that varies by the data source. The rules for each data source are defined below.

Appeals (IRE) measures (C26 & C27):

Has CMS identified issues with the contract's data?

Yes: Display message: CMS identified issues with this plan's data

No: Is there a valid numeric measure rate?

Yes: Display the numeric measure rate

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (C03, C17, C18, C19, C20, C21, & C22):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2020?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost, MSA, or Employer/Union Only Direct Contract PDP?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (C23):

Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2020?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

HEDIS measures (C01, C02, C06 – C12, C15 & C16):

Was the contract required to report HEDIS?

Yes: Was the contract enrollment < 500 in July 2020?

Yes: Display message: Plan too small to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Was a valid patient level detail file 1 submitted and the measure data usable?

Yes: Was contract enrollment at least 500 but less than 1,000?

Yes: Is the measure reliability at least 0.7?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

No: Display the HEDIS measure numeric rate

No: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2019?

Yes: Display message: Plan too new to be measured

No: Display message: Plan not required to report measure

Is the organization type (1876 Cost, PFFS, MSA) or SNP offered in 2022= No?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: What is the HEDIS measure audit designation?

BD: Display message: CMS identified issues with this plan's data

BR: Display message: CMS identified issues with this plan's data

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

NR: Display message: CMS identified issues with this plan's data

NQ: Display message: Plan not required to report measure

R: Is there a valid HEDIS measure numeric rate?

Yes: Display the HEDIS measure numeric rate

No: Display message: No data available

HEDIS / HOS measures (C04, C13, & C14):

Is there a valid HEDIS / HOS numeric rate?

Yes: Display the HEDIS / HOS numeric rate

No: Is the contract effective date > 01/01/2019?

Yes: Display message: Plan too new to be measured

No: Is the contract enrollment < 500?

Yes: Display message: Plan too small to be measured

No: Is there a HEDIS / HOS rate code?

Yes: Assign message according to value below:

NA: Display message: Not enough data available

NB: Display message: Benefit not offered by plan

No: Display message: No data available

Members Choosing to Leave the Plan (C24):

Is there a valid numeric voluntary disenrollment rate?

Yes: Display the numeric voluntary disenrollment rate

No: Is the contract effective date $\geq$ 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Plan Reporting SNP measure (C05):

Is the organization type (1876 Cost, PFFS, MSA) or SNP offered in 2022 = No?

Yes: Display message: Plan not required to report measure

No: Is there a valid Plan Reporting numeric rate?

Yes: Display the Plan Reporting numeric rate

No: Were there Data Issues Found?

Yes: Display message: CMS identified issues with this plan's data

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: No data available

Improvement (Star Ratings) measure (C25):

Is there a valid improvement measure rate?

Yes: Display message: Medicare shows only a Star Rating for this topic

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

CAHPS measures (D05, D06):

Is there a valid numeric CAHPS measure rate?

Yes: Display the numeric CAHPS measure rate

No: Is the contract effective date > 07/01/2020?

Yes: Display message: Plan too new to be measured

No: Is the CAHPS measure rate NR?

Yes: Display message: Not enough data available

No: Is the CAHPS measure rate NA?

Yes: Display message: No data available

No: Display message: Plan too small to be measured

Call Center – Foreign Language Interpreter and TTY Availability measure (D01):

Is there a valid call center numeric rate?

Yes: Display the call center numeric rate

No: Is the organization type 1876 Cost?

Yes: Display message: Plan not required to report measure

No: Is the contract effective date > 01/01/2021?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Complaints (CTM) measure (D02):

Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Was the average contract enrollment < 800 in 2020?

Yes: Display message: Not enough data available

No: Is there a valid numeric CTM rate?

Yes: Display the numeric CTM rate

No: Display message: No data available

Is there a valid improvement measure rate?

- Yes: Display message: Medicare shows only a Star Rating for this topic
- No: Is the contract effective date > 01/01/2020?
 - Yes: Display message: Plan too new to be measured
 - No: Display message: Not enough data available

Members Choosing to Leave the Plan (D03):

Is there a valid numeric voluntary disenrollment rate?

- Yes: Display the numeric voluntary disenrollment rate
- No: Is the contract effective date ≥ 01/01/2021?
 - Yes: Display message: Plan too new to be measured
 - No: Display message: Not enough data available

MPF Price Accuracy measure (D07):

Is the contract effective date > 9/30/2020?

- Yes: Display message: Plan too new to be measured
- No: Does contract have at least 30 claims over the measurement period for the price accuracy index?
 - Yes: Display the numeric price accuracy rate
 - No: Is the organization type 1876 Cost and does not offer Drugs?
 - Yes: Display message: Plan not required to report measure
 - No: Display message: Not enough data available

Patient Safety measures – Adherence (D08 - D10) & SUPD (D12):

Is the contract effective date > 12/31/2020?

- Yes: Display message: Plan too new to be measured
- No: Does contract have 30 or fewer enrolled beneficiary member years (measure denominator)?
 - Yes: Display message: Not enough data available
 - No: Display numeric measure percentage

Patient Safety measure – MTM CMR (D11)

Is the contract effective date > 12/31/2020?

- Yes: Display message: Plan too new to be measured
- No: Is Part D Offered=False?
 - Yes: Display message: Plan not required to report measure
 - No: Is there a numeric rate?
 - Yes: Display numeric measure percentage
 - No: Is there a Reason(s) for Display Message?
 - Yes: Display appropriate message per table Q-2

Table Q-2: MTM CMR reason(s) for display message conversion

Reason(s) for Display Message	Star Ratings Message
Contract failed to submit file and pass system validation by the reporting deadline	CMS identified issues with this plan's data
Contract did not pass element-level DV for at least one element	CMS identified issues with this plan's data
Contract had missing score on MTM section DV	CMS identified issues with this plan's data
Contract scored less than 95% on MTM section DV	CMS identified issues with this plan's data
Contract had all plans terminate by validation deadline	No data available
Contract had no MTM enrollees to report	No data available
Contract has 0 Part D enrollees	No data available
Contract had 30 or fewer beneficiaries meeting denominator criteria	Not enough data available
Contract not required to submit MTM program	Not required to report

Table Q-3 contains all of the possible messages that could be assigned to missing data at the domain, summary, and overall levels.

Table Q-3: Domain, summary, and overall level missing data messages

Message	Domain Level	Summary & Overall Level
Coming Soon	Used for all domain ratings in MPF between Oct 1 and when the actual Star Rating data go live	Used for all summary and overall ratings in MPF between Oct 1 and when the actual Star Rating data go live
Not enough data available	The contract did not have enough rated measures to calculate the domain rating	The contract did not have enough rated measures to calculate the summary or overall rating
Plan too new to be measured	The contract is too new to have submitted measure data for a domain rating to be calculated	The contract is too new to have submitted data to be rated in the summary or overall levels

Assignment rules for Part C & Part D domain rating level messages

Part C & D domain message assignment rules:

Is there a numeric domain star?

Yes: Display the numeric domain star

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for Part C & Part D summary rating level messages

Part C & D summary rating message assignment rules:

Is there a numeric summary rating star?

Yes: Display the numeric summary rating star

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

Assignment rules for overall rating level messages

Overall rating message assignment rules:

Is there a numeric overall rating star?

Yes: Display the numeric overall rating star

No: Is the contract effective date > 01/01/2020?

Yes: Display message: Plan too new to be measured

No: Display message: Not enough data available

The 2022 Star Ratings posted to the CMS downloadable Master Table and HPMS includes data collected from the Disenrollment Reasons Survey (DRS). The DRS data was not used at any point in the calculation of the Star Ratings. The data are provided for information only at this time and are shown in HPMS with the Star Ratings data and on the display page at <http://go.cms.gov/partcanddstarratings>.

Because there are instances where a contract does not have data to display, a set of rules was developed to assign messages where data was missing so the data area would not be left blank.

Table Q-4 contains all of the possible messages that could be assigned to missing data in the disenrollment reason data displayed in HPMS.

Table Q-4: Disenrollment reason missing data messages

Message	Meaning
Not Applicable	Used when the DRS measure does not apply to the contract type
Not Available	Used when there is no numeric data available or data reliability indicated the value should be suppressed
Plan too new to be measured	The contract is too new for data to be collected for the measure

Disenrollment Reasons message assignment rules:

Is the contract effective date > 1/1/2020?

Yes: Display message: Plan too new to be measured

No: Is there numeric data for the contract in this DRS measure?

Yes: Did the data reliability check indicate the data should be suppressed?

Yes: Display message: Not Available

No: Display the numeric DRS rate

No: Does the DRS measure apply to the organization type

Yes: Display message: Not Available

No: Display message: Not Applicable

AEP	The annual period from October 15 until December 7 when a Medicare beneficiary can enroll into a Medicare Part D plan or re-enroll into their existing Medicare Part D Plan or change into another Medicare Part D plan is known as the Annual Election Period (AEP). Beneficiaries can also switch to a Medicare Advantage Plan that has a Prescription Drug Plan (MA-PD). The chosen Medicare Part D plan coverage begins on January 1 st .
C-SNP	Chronic Condition Special Needs Plans (C-SNPs) are SNPs that restrict enrollment to special needs individuals with specific severe or disabling chronic conditions, defined in 42 CFR 422.2.
CAHPS	The term CAHPS refers to a comprehensive and evolving family of surveys that ask consumers and patients to evaluate the interpersonal aspects of health care. CAHPS surveys probe those aspects of care for which consumers and patients are the best and/or only source of information, as well as those that consumers and patients have identified as being important. CAHPS initially stood for the Consumer Assessment of Health Plans Study, but as the products have evolved beyond health plans, the acronym now stands for Consumer Assessment of Healthcare Providers and Systems.
CCP	A Coordinated Care Plan (CCP) is a health plan that includes a network of providers that are under contract or arrangement with the organization to deliver the benefit package approved by CMS. The CCP network is approved by CMS to ensure that all applicable requirements are met, including access and availability, service area, and quality requirements. CCPs may use mechanisms to control utilization, such as referrals from a gatekeeper for an enrollee to receive services within the plan, and financial arrangements that offer incentives to providers to furnish high quality and cost-effective care. CCPs include HMOs, PSOs, local and regional PPOs, and senior housing facility plans. SNPs can be offered under any type of CCP that meets CMS's requirements.
Cohort	A cohort is a group of people who share a common designation, experience, or condition (e.g., Medicare beneficiaries). For the HOS, a cohort refers to a random sample of Medicare beneficiaries that is drawn from each Medicare Advantage Organization (MAO) with a minimum of 500 enrollees and surveyed every spring (i.e., a baseline survey is administered to a new cohort each year). Two years later, the baseline respondents are surveyed again (i.e., follow up measurement). For data collection years 1998-2006, the MAO sample size was 1,000. Effective 2007, the MAO sample size was increased to 1,200.
Cost Plan	A plan operated by a Health Maintenance Organization (HMO) or Competitive Medical Plan in accordance with a cost reimbursement contract under §1876(h) of the Act. In the Star Ratings, CMS classifies a Cost Plan not offering Part D as MA-Only and a Cost Plan offering Part D as MA-PD.
D-SNP	Dual Eligible Special Needs Plans (D-SNPs) enroll individuals who are entitled to both Medicare (title XVIII) and medical assistance from a state plan under Medicaid (title XIX). States cover some Medicare costs, depending on the state and the individual's eligibility.
Disability Status	Based on the original reason for entitlement for Medicare.
Dual eligibles	Individuals who are entitled to Medicare Part A and/or Part B and are eligible for some form of Medicaid benefit.
Euclidean distance	The absolute value of the difference between two points, x-y.

HEDIS	The Healthcare Effectiveness Data and Information Set (HEDIS) is a widely used set of performance measures in the managed care industry, developed and maintained by the National Committee for Quality Assurance (NCQA).
HOS	The Medicare Health Outcomes Survey (HOS) is the first patient reported outcomes measure used in Medicare managed care. The goal of the Medicare HOS program is to gather valid, reliable, and clinically meaningful health status data in the Medicare Advantage (MA) program for use in quality improvement activities, pay for performance, program oversight, public reporting, and improving health. All managed care organizations with MA contracts must participate.
I-SNP	Institutional Special Needs Plans (I-SNPs) are SNPs that restrict enrollment to institutionalized special needs individuals defined in 42 CFR 422.2.
ICEP	The 3 months immediately before beneficiaries are entitled to Medicare Part A and enrolled in Part B are known as the Initial Coverage Election Period (ICEP). Beneficiaries may choose a Medicare health plan during their ICEP and the plan must accept them unless it has reached its limit in the number of members. This limit is approved by CMS.
IRE	The Independent Review Entity (IRE) is an independent entity contracted by CMS to review Medicare health and drug plans' adverse reconsiderations of organization determinations.
IVR	Interactive voice response (IVR) is a technology that allows a computer to interact with humans through the use of voice and dual-tone multi-frequency keypad inputs.
LIS	The Low Income Subsidy (LIS) from Medicare provides financial assistance for beneficiaries who have limited income and resources. Those who receive the LIS get help paying for their monthly premium, yearly deductible, prescription coinsurance, and copayments and they will have no gap in coverage.
LIS/DE	Beneficiaries who qualify at any point in the year for a low income subsidy through the application process and/or who are full or partial Dual (Medicare and Medicaid) beneficiaries.
MA	A Medicare Advantage (MA) organization is a public or private entity organized and licensed by a State as a risk-bearing entity (with the exception of provider-sponsored organizations receiving waivers) that is certified by CMS as meeting the MA contract requirements.
MA-Only	An MA organization that does not offer Medicare prescription drug coverage.
MA-PD	An MA organization that offers Medicare prescription drug coverage and Part A and Part B benefits in one plan.
MSA	Medicare Medical Savings Account (MSA) plans combine a high deductible MA plan and a medical savings account (which is an account established for the purpose of paying the qualified medical expenses of the account holder).
Percentage	A part of a whole expressed in hundredths. For example, a score of 45 out of 100 possible points is the same as 45%.
Percentile	The value below which a certain percent of observations fall. For example, a score equal to or greater than 97 percent of other scores attained on the same measure is said to be in the 97th percentile.

PDP	A Prescription Drug Plan (PDP) is a stand-alone drug plan, offered by insurers and other private companies to beneficiaries who receive their Medicare Part A and/or B benefits either through the Original Medicare Plan, Medicare Private Fee-for-Service Plans that do not offer prescription drug coverage, or Medicare Cost Plans that do not offer Medicare prescription drug coverage.
PFFS	Private Fee-for-Service (PFFS) is defined as an MA plan that pays providers of services at a rate determined by the plan on a fee-for-service basis without placing the provider at financial risk; does not vary the rates for a provider based on the utilization of that provider's services; and does not restrict enrollees' choices among providers who are lawfully authorized to provide services and agree to accept the plan's terms and conditions of payment. The Medicare Improvements for Patients and Providers Act (MIPPA) added that although payment rates cannot vary based solely on utilization of services by a provider, a PFFS plan is permitted to vary the payment rates for a provider based on the specialty of the provider, the location of the provider, or other factors related to the provider that are not related to utilization. Furthermore, MIPPA also allows PFFS plans to increase payment rates to a provider based on increased utilization of specified preventive or screening services. See section 30.4 of the Medicare Managed Care Manual Chapter 1 for further details on PFFS plans.
Reliability	A measure of the fraction of the variation among the observed measure values that is due to real differences in quality ("signal") rather than random variation ("noise"). On a scale from 0 (all differences among plans are due to randomness of sampling) to 1 (every plan's quality is measured with perfect accuracy).
SNP	A Special Needs Plan (SNP) is a Medicare Advantage (MA) coordinated care plan (CCP) specifically designed to provide targeted care and limits enrollment to special needs individuals. A special needs individual could be any one of the following: 1) an institutionalized individual, 2) a dual eligible beneficiary, or 3) an individual with a severe or disabling chronic condition, as specified by CMS. A SNP may be any type of MA CCP. There are three major types of SNPs: 1) Chronic Condition SNP (C-SNP), 2) Dual Eligible SNP (D-SNP), and 3) Institutional SNP (I-SNP).
Sponsor	An entity that sponsors a health or drug plan.
Statistical Significance	Statistical significance assesses how likely differences observed are due to chance when plans are actually the same. CMS uses statistical tests (e.g., t-test) to determine if a contract's measure value is statistically significantly greater or less than the national average for that measure, or whether conversely the observed differences from the national average could have arisen by chance.
Sum of Squares	Method used to measure variation or deviation from the mean.
TTY	A teletypewriter (TTY) is an electronic device for text communication via a telephone line, used when one or more of the parties has hearing or speech difficulties.
Very Low Reliability	For CAHPS, an indication that reliability is less than 0.6, indicating that 40% or more of observed variation is due to random noise.

This attachment is designed to assist reviewers of the data displayed in HPMS (<https://hpms.cms.gov>) to understand the various pages and fields shown in the HPMS Star Ratings module. This module employs standard HPMS user access rights so that users can only see contracts associated with their user id.

HPMS Star Ratings Module

The HPMS Star Ratings module contains the Part C & Part D data and stars for all contracts that were rated in the ratings year along with much of the detailed data that went into the various calculations. To access the Star Ratings module you must be logged into HPMS. If you do not have access to HPMS, information on how to obtain access can be found here: <https://www.cms.gov/Research-Statistics-Data-and-Systems/Computer-Data-and-Systems/HPMS/Overview.html>

Once you are logged into HPMS, from the home page, select *Performance Metrics* from the *Quality and Performance* menu; the Performance Metrics page will be displayed. If you do not see *Performance Metrics*, your user id does not have the correct access permissions; please contact CMSHPMS_Access@cms.hhs.gov

From the Performance Metrics page, select *Reports* and then *Star Ratings and Display Measures* from the left side menu. The *Star Ratings and Display Measures* home page will be displayed.

On the *Star Ratings and Display Measures* home page, select *Star Ratings* as the Report Type and select a reporting period. The remainder of this attachment describes the HPMS pages available for the 2022 Star Ratings.

1. Measure Data page

The Measure Data page displays the numeric data for all Part C and Part D measures. This page is available during the first plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measures which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain name. The row immediately below the measure information contains the data time frame of the measure. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-1 below shows a sample of the left hand most columns shown in HPMS.

Table S-1: Measure Data page sample

Medicare Star Ratings Report Card Master Table						
HD1: Staying Healthy: Screenings, Tests and Vaccines						
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	01/01/2020 - 12/31/2020	01/01/2020 - 12/31/2020	03/2021 - 05/2021
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	73%	81%
HCCCC	Market C	Contract C	PO C	63%	71%	80%

2. Measure Detail page

The Measure Detail page contains the underlying data used for the Part C and Part D Complaints (C23/D02) and Part C Appeals measures (C26 & C27). This page is available during the first plan preview. Table S-2 below explains each of the columns displayed on this page.

Table S-2: Measure Detail page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Number of Complaints	Number of non-excluded complaints for the contract
Complaint Average Enrollment	The average enrollment used in the final calculation
Complaints < 800 Enrolled	Yes / No, Yes = average enrollment < 800, No = average enrollment ≥ 800
Part C Total Appeals Cases	Total number of Part C appeals cases processed by the IRE (Maximus)
Part C Appeals Upheld	Number of Part C appeals which were upheld
Part C Appeals Overturned	Number of Part C appeals which were overturned
Part C Appeals Partly Overturned	Number of Part C appeals which were partially overturned
Part C Appeals Dismissed	Number of Part C appeals which were dismissed
Part C Appeals Withdrawn	Number of Part C appeals which were withdrawn
Part C Late Appeals	Number of Part C appeals which Maximus considered to be late
Part C Percent of Timely Appeals	Percent of Part C appeals which were processed in a timely manner

3. Measure Detail – Part C Appeals page

The Measure Detail – Part C Appeals page contains the case-level data of the non-excluded cases used in producing the Part C Appeals measures Plan Makes Timely Decisions about Appeals (C26) and Reviewing Appeals Decisions (C27). The data displayed on this page reflect the state of the appeals case at the time the data were pulled for use in the 2022 Star Ratings. This page is available during the first plan preview. Table S-3 below explains each of the columns displayed on this page.

Table S-3: Measure Detail – Part C Appeals page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Appeal Number	The case ID assigned to the appeal request
Appeal Priority	The priority of the appeal (Std Pre-Service, Exp Pre-Service, or Retro)
Status	The status of the appeal (Closed, Decided, Pending, Promoted, Remanded, Reopened, Requested)
Date Appeal Filed	The Date the Plan Reconsideration was requested, as reported by the Part C Plan
Corrected Appeal Date	The Date Appeal Filed, as determined by the IRE/QIC
Date File Received (QIC)	The Date the IRE/QIC received the Appeal from the Part C Plan
Level 1 Extension	Indicates if the contract took an extension during their processing of the reconsideration, as reported by the contract
Adjusted Plan Interval	The number of days between the Date Appeal Filed (or Corrected Appeal Date, if applicable) and the Date File Received (QIC) adjusted based on the Appeal Priority (Std Pre-Service, Exp Pre-Service, or Retro) and adjusted to account for 5 mailing days
Appeal Decision	Decision associated with the appeal (Dismiss Appeal, Overturn MCO Denial, Partly Overturn MCO Denial, Unspecified, Uphold MCO Denial, Withdraw Appeal)
Late Indicator	Indicates if the appeal case was considered late or not (0=Not Late, 1=Late)

4. Measure Detail – SNP CM page

The Measure Detail – SNP CM page contains the underlying data used in calculating the Part C SNP Care Management measure (C05). The formulas used to calculate the SNP CM measure are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-4 below explains each of the columns displayed on this page.

Table S-4: Measure Detail – SNP CM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Number of new enrollees	Number of new SNP enrollees eligible for an initial assessment (Data Element A)
Number of enrollees eligible for an annual HRA	Number of SNP enrollees eligible for an annual reassessment (Data Element B)
Number of initial HRAs performed on new enrollees	Number of initial assessments performed on new SNP enrollees (Data Element C)
Number of annual reassessments performed	Number of annual reassessments performed on eligible SNP enrollees (Data Element F)
Total Number of SNP Enrollees Eligible	Final measure numerator (Data Elements A + B)
Total Number of Assessments Performed	Final measure denominator (Data Elements C + F)
Percent of Eligible SNP Enrollees Receiving an Assessment	Final measure score
Data Validation Score	The data validation score for the contract
Reason for Exclusion	Reason (if any) contract submitted data was not used to generate a score

5. Measure Detail – SNP COA page

The Measure Detail – SNP COA page contains the underlying data used in calculating the Part C HEDIS SNP Care for Older Adult measures (C06 & C07). The formulas used to calculate these SNP measures are detailed in [Attachment E](#). This page is available during the first plan preview. Table S-5 below explains each of the columns displayed on this page.

Table S-5: Measure Detail – SNP COA page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
PBP ID	The Plan Benefit Package number associated with the data
Eligible Population – MR	The Eligible population - Medication Review, entered by the contract into NCQA IDSS (Field: eligpopmr)
Eligible Population – PA	The Eligible population - Pain Assessment, entered by the contract into NCQA IDSS (Field: eligpopps)
Average Plan Enrollment	The average enrollment in the PBP during 2020 (see section Contract Enrollment Data)
COA – MR Rate	The COA Medication Review Rate calculated by the NCQA data submission tool (Field: ratemr)
COA – PA Rate	The COA Pain Assessment Rate calculated by the NCQA data submission tool (Field: ratesps)
COA - MR Audit Designation	The audit designation for the COA Medication Review Rate (the audit codes defined next table)
COA – PA Audit Designation	The audit designation for the COA Pain Assessment Rate (the audit codes defined next table)

Table S-6: HEDIS 2020 Audit Designations and 2022 Star Ratings

Audit Designation	NCQA Description	Resultant Star Rating
R	Reportable	Assigned 1 to 5 stars depending on reported value
BR	Biased Rate	1 star, numeric data set to “CMS identified issues with this plan’s data”
NA	Small Denominator	“Not enough data available”
NB	No Benefit	“Benefit not offered by plan”
NR	Not Reported	1 star, numeric data set to “CMS identified issues with this plan’s data”
NQ	Not Required	“Plan not required to report measure” (applies only to 1876 Cost in the PCRb measure)
UN	Un-Audited	Not possible in Star Ratings measures which only use audited data

6. Measure Detail – CTM page

The Measure Detail – CTM page contains the case level data of the non-excluded cases used in producing the Part C & Part D Complaints measure (C23/D02). This page is available during the first plan preview. Table S-7 below explains each of the columns displayed on this page.

Table S-7: Measure Detail – CTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Complaint ID	The case number associated with the complaint in the HPMS CTM module
Complaint Lead	The complaint lead code
CMS Issue	Is the complaint designated as a CMS issue? (Yes/No)
Category	The complaint category description of CMS or plan lead
Subcategory	The complaint subcategory description associated with this case
Subcategory — Other	The complaint additional subcategory description associated with this case
Contract Assignment / Reassignment Date	The date that complaints are assigned or re-assigned to contracts

7. Measure Detail – Disenrollment

The Measure Detail – Disenrollment page contains data that are used in calculating the Part C & Part D disenrollment measure (C24/D03). The page shows the denominator, unadjusted numerator and original rate received from the MBDSS annual report. It also contains the adjusted numerator and final rate after all members meeting the measure exclusion criteria described in the measure description have been removed. This page is available during the first plan preview. Table S-8 below explains each of the columns displayed on this page.

Table S-8: Measure Detail – Disenrollment page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Number Enrolled	The number of all members in the contract from MBDSS annual report
Number Disenrolled	The number disenrolled with a disenrollment reason code of 11, 13, 14 or 99, from the MBDSS annual report
Original Rate	The disenrollment rate as calculated by the annual MBDSS report
Adjusted Disenrolled	The adjusted numerator when all members who meet the measure exclusion criteria are removed
Adjusted Rate	The final adjusted disenrollment rate used in the Star Ratings
>1000 Enrolled	Flag indicates contract non-employer group enrollment >1,000 members during the year (True = Yes, False = No)

8. Measure Detail – DR (Disenrollment Reasons)

The Measure Detail – Disenrollment Reasons page contains the data from the Disenrollment Reasons Survey (DRS). The Disenrollment Reasons data are not used at any point in the calculations of the Star Ratings but are provided in HPMS for information only at this time. The data comes from surveys sent to enrollees who disenrolled between 1/1/2020 and 12/31/2020. Scores are suppressed if they are measured with very low reliability (< 0.60) and not statistically different from the national mean. This page is available during the first plan preview. Table S-9 below explains each of the columns displayed on this page.

Table S-9: Measure Detail – Disenrollment Reasons page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
DR PGPPNC	Disenrollment Reasons - Problems Getting the Plan to Provide and Pay for Needed Care(MA-PD, MA-Only)
DR PCDH	Disenrollment Reasons - Problems with Coverage of Doctors and Hospitals (MA-PD, MA-Only)
DR FRD	Disenrollment Reasons - Financial Reasons for Disenrollment (MA-PD, MA-Only, PDP)
DR PPDBC	Disenrollment Reasons - Problems with Prescription Drug Benefits and Coverage (MA-PD, PDP)
DR PGIHP	Disenrollment Reasons - Problems Getting Information and Help from the Plan (MA-PD, PDP)

9. Measure Detail – MTM page

The Measure Detail – MTM page contains each contract's underlying denominator and numerator after measure specifications have been applied to the plan-reported validated data to calculate the Part D MTM Program Completion Rate for CMR (D11). The formulas used to calculate the MTM measure are detailed in [Attachment M](#). This page is available during the first plan preview. Table S-10 below explains each of the columns displayed on this page.

Table S-10: Measure Detail – MTM page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Total Part D Enrollees	The number of Part D enrollees in the contract (average monthly HPMS enrollment)
Total MTM Enrollees, All	The number of Part D enrollees enrolled in the contract's MTM program (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the HICN (or MBI) could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D MTM plan-reported data). Includes beneficiaries that had an enrollment start date anytime in the measurement period, regardless of age, hospice status, or duration of MTM enrollment. Excludes records where the HICN (or MBI) could not be mapped to a valid beneficiary or where the beneficiary was reported with multiple, conflicting records in the same contract's data.
Total MTM Enrollees, Targeted, Adjusted	The number of Part D enrollees enrolled in the contract's MTM program that met the specified targeting criteria per CMS-Part D requirements pursuant to §423.153(d) of the regulations (as reported in the Part D plan-reported data) after measure specifications applied as detailed in Attachment N. (Measure Denominator)
Total MTM Enrollees, Targeted, Adjusted, Who Received a CMR	The number of beneficiaries from the denominator who received a CMR. (Measure Numerator)
MTM Program Completion Rate for CMR	The percent of MTM program enrollees who received a CMR. (Measure Numerator)/(Measure Denominator)
MTM Section Data Validation Score	Contract's score in data validation (DV) for their MTM Program Reporting Requirements data
Reason(s) for Display Message	Reason(s) for display message assignment (if applicable)

10. Measure Detail – CAHPS page

The Measure Detail – CAHPS page contains the underlying data used in calculating the Part C & D CAHPS measures: Annual Flu Vaccine (C03), Getting Needed Care (C17), Getting Appointments and Care Quickly (C18), Customer Service (C19), Rating of Health Care Quality (C20), Rating of Health Plan (C21), Care Coordination (C22), Rating of Drug Plan (D05), and Getting Needed Prescription Drugs (D06). This

Table S-11: Measure Detail – CAHPS page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
CAHPS Measure	The CAHPS measure identifier followed by the Star Ratings measure id in parenthesis
Reliability	The contract-level reliability of the measure data
Statistical Significance	The statistical significance of the measure data (Below Average, No Difference, Above Average, Not Reported)
Use N	The number of usable surveys with responses to the item, or at least one item of a composite
Mean Score on Original Scale	The mean score on the original survey response scale
Variance of Mean on Original Scale	The sampling variance of contract mean ("Mean score") on the original scale
Standard Error on Original Scale	The standard error of the contract mean ("Mean score") on the original scale; square root of "variance"
Scaled Mean	The contract mean score rescaled to a 0-100 scale
Scaled SE	The standard error of the 0-100 scaled mean
Base Group	Categories determined by the percentile cutoffs from the distribution of mean scores
Star Rating	Determined by the percentile cutoffs, statistical significance of the difference of the contract mean from the overall mean, the statistical reliability of the estimate, and standard error of the mean score

11. Calculation Detail – CSR

The Calculation Detail – CSR (Part C Scaled Reduction) page contains the underlying data used in calculating the reduction applied to the two Part C appeals measures. This page is available during the first plan preview. Table S-12 below explains the columns displayed on this page.

Table S-12: Measure Detail – Part C Scaled Reductions page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
TMP Time Period	The time period associated with the TMP data submission; a zero indicates contract did not submit data
Cases Not Forwarded to IRE	The number of cases not forwarded to the IRE in the TMP time period
Cases Forwarded to IRE	The number of cases forwarded to the IRE in the TMP time period
Total IRE Cases	The total number of cases that should have been forwarded to the IRE in the TMP time period
TMP data submitted	A flag that indicates whether the contract submitted TMP data (Yes/No)
Projected Cases	The projected number of cases not forwarded to the IRE in a three-month period
Calculated Error Rate	The Calculated Error Rate is the quotient of Cases Not forwarded to IRE and Total IRE cases
Lower Bound	Lower Bound of the Score Interval
Part C Appeals Reduction	Part C Appeals measures Star Ratings reduction due to IRE completeness issues

12. Calculation Detail – MD

The Calculation Detail – MD page contains the summary of service area and enrollment data used to calculate the percentages for use in the Major Disaster rules for the individual measures. This page is available during the first plan preview. Table S-13 below explains the columns displayed on this page.

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
2020 Disaster Flag	Indicates if the contract was affected by a 2020 disaster or not (valid values "Affected", "Not Affected" or "Too New")
2020 Total Cnty in SA	The total number of counties in the contract's 2020 service area (SA)
2020 Num Cnty IA	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2020 disaster
2020 IA Non-Employer	The number of members in Non-Employer PBPs residing in the contract SA designated FEMA IA counties in a 2020 disaster
2020 IA Employer	The number of members in Employer PBPs residing in the contract SA designated FEMA IA counties in a 2020 disaster
2020 IA Total Enrolled	The total number of members residing in the contract SA designated FEMA IA counties in a 2020 disaster
2020 Total Non-Employer	The total number of members in Non-Employer PBPs in the contract's 2020 SA
2020 Total Employer	The total number of members in Employer PBPs residing in the contract's 2020 SA
2020 Total Enrolled	The total number of members residing in the contract's 2020 SA
2020 IA %	The percent of members living in IA areas in a 2020 disaster (IA Total Enrolled)/(Total Enrolled)
2020 IA % Rounded	The percent of members living in IA areas in a 2020 disaster rounded to an integer
2020 >25%	Flag that indicates if the contract has meet the 25% threshold for 2020 disasters (Yes: >= 25 %, No: <25%)
2019 Disaster Flag	Indicates if the contract was affected by a 2019 disaster or not (valid values "Affected", "Not Affected" or "Too New")
2019 Total Cnty in SA	The total number of counties in the contract's 2019 service area (SA)
2019 Num Cnty IA	The number of counties from the contract's total SA designated as FEMA Individual Assistance (IA) counties in a 2019 disaster
2019 IA Non-Employer	The number of members in Non-Employer PBPs residing in the contract SA designated FEMA IA counties in a 2019 disaster
2019 IA Employer	The number of members in Employer PBPs residing in the contract SA designated FEMA IA counties in a 2019 disaster
2019 IA Total Enrolled	The total number of members residing in the contract SA designated FEMA IA counties in a 2019 disaster
2019 Total Non-Employer	The total number of members in Non-Employer PBPs in the contract's 2019 SA
2019 Total Employer	The total number of members in Employer PBPs residing in the contract's 2019 SA
2019 Total Enrolled	The total number of members residing in the contract's 2019 SA
2019 IA %	The percent of members living in IA areas in a 2019 disaster (IA Total Enrolled)/(Total Enrolled)
2019 IA % Rounded	The percent of members living in IA areas in a 2019 disaster rounded to an integer
2019 >25%	Flag that indicates if the contract has meet the 25% threshold for 2019 disasters (Yes: >= 25 %, No: <25%)
2019 >60%	Flag that indicates if the contract has meet the 60% threshold for 2019 disasters (Yes: >= 60 %, No: <60%)

13. Calculation Detail – CAI

The Calculation Detail – CAI page contains the enrollment data used to calculate the percentages for use in the Categorical Adjustment Index (CAI) to determine the Final Adjustment Categories for each of the summary and overall rating calculations. This page is available during the first plan preview. Table S-14 below explains the columns displayed on this page.

Table S-14: Measure Detail – CAI page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Puerto Rico Only	Does the contract's non-employer service area only cover Puerto Rico? Yes or No
Contract Type	The contract plan type used to compute the ratings
Part D Offered	Is Part D offered by the contract? Yes or No
Enrolled	The total number enrolled in the contract used to determine the % LIS/DE and % Disabled
# LIS/DE	The number of LIS/DE enrolled in the contract
# Disabled	The number of Disabled enrolled in the contract
% LIS/DE	The percent of LIS/DE in the contract
% Disabled	The percent Disabled in the contract
Part C LIS/DE Initial Group	The Part C LIS/DE initial group this contract is in
Part C Disabled Quintile	The Part C Disabled Quintile group this contract is in
Part C FAC	The Part C Final adjustment category this contract is in
Part C CAI Value	The CAI value that will be combined with the final Part C summary score prior to rounding to half stars
Part D MA-PD LIS/DE Initial Group	The Part D MA-PD LIS/DE initial group this contract is in
Part D MA-PD Disabled Quintile	The Part D MA-PD Disabled Quintile group this contract is in
Part D MA-PD FAC	The Part D MA-PD Final adjustment category this contract is in
Part D MA-PD CAI Value	The CAI value that will be combined with the final Part D MA-PD summary score prior to rounding to half stars
Part D PDP LIS/DE Quartile	The Part D PDP LIS/DE Quartile group this contract is in
Part D PDP Disabled Quartile	The Part D PDP Disabled Quartile group this contract is in
Part D PDP FAC	The Part D PDP Final adjustment category this contract is in
Part D PDP CAI Value	The CAI value that will be combined with the final Part D PDP summary score prior to rounding to half stars
Overall LIS/DE Initial Group	The overall LIS/DE initial group this contract is in
Overall Disabled Quintile	The overall disabled Quintile group this contract is in
Overall FAC	The overall final adjustment category this contract is in
Overall CAI Value	The CAI value that will be combined with the final overall score prior to rounding to half stars

14. Measure Detail – HEDIS LE page

The Measure Detail – HEDIS LE page contains the data used to calculate the reliability of the HEDIS measures (C01, C02, C08 – C12, C15 – C16) data for contracts with ≥ 500 and $< 1,000$ members enrolled in July of the measurement year (July 01, 2020). This page is available during the second plan preview. Table S-15 below explains each of the columns displayed on this page.

Table S-15: Measure Detail – HEDIS LE page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The parent organization of the contract
Measure ID	The Star Ratings measure that the other data on this row is associated with
Rate	The submitted HEDIS rate
Score	The rounded value used for the measure in the Star Ratings
Enrollment	The contract enrollment for July 2020
Reliability	The computed reliability for the contract measure
Usable	The computed reliability ≥ 0.7 and rate is used = True, reliability < 0.7 and rate was not used = False

15. Measure Detail – C Disaster Results

The Part C Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-16 below explains the columns displayed on this page.

Table S-16: Measure Detail – C Disaster Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2022 Star Ratings Part C measure ID
2021 Value	The numeric measure value for the contract from the 2021 Star Ratings
2021 Star	The measure star for the contract from the 2021 Star Ratings
2022 Value	The numeric measure value for the contract from the 2022 Star Ratings
2022 Star	The measure star for the contract from the 2022 Star Ratings
Final Value	The measure value to be used in the 2022 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2022 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

16. Measure Detail – D Disaster Results

The Part D Disaster Results page displays the measure level data handling results for contracts which had $\geq 25\%$ of their enrollment living in areas affected by major disasters during the measurement period. Only the measures where the disaster policy required a comparison between two ratings years are displayed in the data. This page is available during the second plan preview. Table S-17 below explains the columns displayed on this page.

Table S-17: Measure Detail – D Disaster Results

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Measure ID	The 2022 Star Ratings Part D measure ID
2021 Value	The numeric measure value for the contract from the 2021 Star Ratings
2021 Star	The measure star for the contract from the 2021 Star Ratings
2022 Value	The numeric measure value for the contract from the 2022 Star Ratings
2022 Star	The measure star for the contract from the 2022 Star Ratings
Final Value	The measure value to be used in the 2022 Star Ratings after the data handling policy for disasters was applied
Final Star	The measure star to be used in the 2022 Star Ratings after the data handling policy for disasters was applied
Final From	The Star Ratings year where the final data for the measure came from

17. Measure Detail – C Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part C measures. There is one column for each Part C measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part C measure columns which contain the final numeric Part C improvement score. This numeric result from step 4 is described in [Attachment H](#): “Calculating the Improvement Measure and the Measures Used.”

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part C measure calculations are shown in Table S-18 below.

Table S-18: Part C Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year
Low reliability and low enrollment	The low-enrollment contract measure score did not have sufficiently high reliability

18. Measure Detail – D Improvement page

The Improvement page is constructed in a similar manner as the Measure Data page. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the results of the improvement calculation for the specific Part D measures. There is one column for each Part D measure. The measure columns are identified by measure id and measure name. There is an additional column to the right of the Part D measure columns which contain the final numeric Part D improvement

score. This numeric result from step 4 is described in [Attachment H](#): "Calculating the Improvement Measure and the Measures Used."

The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains a flag (Included or Not Included) to show if the measure was used to calculate the final improvement measure. All subsequent rows contain the data associated with an individual contract. The possible results for Part D measure calculations are shown in Table S-19 below.

Table S-19: Part D Measure Improvement Results

Improvement Measure Result	Description
No significant change	There was no significant change in the values between the two years
Significant improvement	There was a significant improvement from last year to this year
Significant decline	There was a significant decline from last year to this year
Not included in calculation	There was only one year of data available so the calculation could not be completed
Not Applicable	The measure is not an improvement measure
Not Eligible	The contract did not have data in more than half of the improvement measures or was too new
Held Harmless	The contract had 5 stars in this measure last year and this year

19. Measure Stars page

The Measure Stars page displays the Star Rating for each Part C and Part D measure. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the measure stars which will display in MPF. There is one column for each of the Part C and Part D measures. The measure columns are identified by measure id and measure name. The row immediately above this measure information contains the domain id and domain name. The row immediately below the measure information contains the data time frame. All subsequent rows contain the data for all individual contracts associated with the user's login id. Table S-20 below shows a sample of the left hand most columns shown in HPMS.

Table S-20: Measure Star page sample

Medicare Star Ratings Report Card Master Table						
HD1: Staying Healthy: Screenings, Tests and Vaccines						
				C01: Breast Cancer Screening	C02: Colorectal Cancer Screening	C03: Annual Flu Vaccine
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	01/01/2020 - 12/31/2020	01/01/2020 - 12/31/2020	03/2021 - 05/2021
HAAAA	Market A	Contract A	PO A	Plan too new to be measured	Plan too new to be measured	Not enough data available
HBBBB	Market B	Contract B	PO B	Not enough data available	4	5
HCCCC	Market C	Contract C	PO C	3	4	5

20. Domain Stars page

The Domain Stars page displays the Star Rating for each Part C and Part D domain. This page is available during the second plan preview.

The first four columns contain contract identifying information. The remaining columns contain the domain stars which will display in MPF. There is one column for each of the Part C and Part D domains. The domain columns are identified by the domain id and domain name. All subsequent rows contain the stars

Table S-21: Domain Star page sample

Medicare Star Ratings Report Card Master Table						
Contract Number	Organization Marketing Name	Contract Name	Parent Organization	HD1: Staying Healthy: Screenings, Tests and Vaccines	HD2: Managing Chronic (Long Term) Conditions	HD3: Member Experience with Health Plan
HAAAA	Market A	Contract A	PO A	4	3	4
HBBBB	Market B	Contract B	PO B	3	3	3
HCCCC	Market C	Contract C	PO C	3	3	4

21. Part C Summary Rating page

The Part C Summary Rating page displays the Part C rating and data associated with calculating the final Part C summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-22 below explains each of the columns contained on this page.

Table S-22: Part C Summary Rating page fields

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage	The percentage of members living in an Individual Assistance area rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type.
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part C Summary FAC	Part C summary final adjustment category for the contract
CAI Value	The Part C summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part C summary rating come from the calculation using the improvement measure (C31)? (Yes/No)
2022 Part C Summary Rating	The final rounded 2022 Part C Summary Rating

22. Part D Summary Rating page

The Part D Summary Rating page displays the Part D rating and data associated with calculating the final Part D summary rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-23 below explains each of the columns contained on this page.

Table S-23: Part D Summary Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
Major Disaster Percentage	The percentage of members living in an Individual Assistance area rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
Calculated Summary Mean	Contains the mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Part D Summary FAC	Part D summary final adjustment category for the contract
CAI Value	The Part D summary CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final Part D summary rating come from the calculation using the improvement measure (D06)? (Yes/No)
2022 Part D Summary Rating	The final rounded 2022 Part D Summary Rating

23. Overall Rating page

The Overall Rating page displays the overall rating for MA-PD contracts and data associated with calculating the final overall rating. This page is available during the second plan preview. There are flags to indicate if the final rating came from the without improvement measures calculation. Table S-24 below explains each of the columns contained on this page.

Table S-24: Overall Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
SNP Plans	Does the contract offer a SNP? (Yes/No)
Major Disaster Percentage	The percentage of members living in an Individual Assistance area rounded to an integer
Number Measures Required	The minimum number of measures required to calculate a rating out all required for the contract type
Number Missing Measures	The number of measures that were missing stars
Number Rated Measures	The number of measures that were assigned stars
2022 Part C Summary Rating	The 2022 Part C Summary Rating
2022 Part D Summary Rating	The 2022 Part D Summary Rating
Calculated Summary Mean	Contains the weighted mean of the stars for rated measures
Calculated Variance	The variance of the calculated summary mean
Calculated Score Percentile Rank	Percentile ranking of Calculated Summary Mean

HPMS Field Label	Field Description
Variance Percentile Rank	Percentile ranking of Calculated Variance
Variance Category	The reward factor variance category for the contract (low, medium, or high)
Reward Factor	The calculated reward factor for the contract (0, 0.1, 0.2, 0.3, or 0.4)
Interim Summary	The sum of the Calculated Summary Mean and the Reward Factor
Overall FAC	Overall final adjustment category for the contract
CAI Value	The Overall CAI value for the contract
Final Summary	The sum of the Interim Summary and the CAI Value
Improvement Measure Usage	Did the final overall rating come from the calculation using the improvement measures (C31 & D06)? (Yes/No)
2022 Overall Rating	The final 2022 Overall Rating

24. Highest Rating page

The Highest Rating page displays the highest rating for contracts. This page is available during the second plan preview. Table S-25 below explains each of the columns contained on this page.

Table S-25: Highest Rating View

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Contract Type	The contract plan type used to compute the ratings
2022 Highest Rating	The 2022 Highest Rating

25. Low Performing Contract List

The Low Performing Contract List page displays the contracts that received a Low Performing Icon and the data used to calculate the assignment. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a Low Performing Icon. Table S-26 below explains each of the columns contained on this page.

Table S-26: Low Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
2020 C Summary	The 2020 Part C Summary Rating earned by the contract
2020 D Summary	The 2020 Part D Summary Rating earned by the contract
2021 C Summary	The 2021 Part C Summary Rating earned by the contract
2021 D Summary	The 2021 Part D Summary Rating earned by the contract
2022 C Summary	The 2022 Part C Summary Rating earned by the contract
2022 D Summary	The 2022 Part D Summary Rating earned by the contract
Reason for LPI	The combination of ratings that met the Low Performing Icon rules. Valid values are "Part C," "Part D," "Part C and D," & "Part C or D." See the section titled "Methodology for Calculating the Low Performing Icon" for details.

26. High Performing Contract List

The High Performing Contract List page displays the contracts that received a High Performing Icon. This page is available during the second plan preview. HPMS users in contracting organizations will see only their own contracts in this list. None will be displayed if no contract in the organization was assigned a High Performing Icon. Table S-27 below explains each of the columns contained on this page.

Table S-27: High Performing Contract List

HPMS Field Label	Field Description
Contract Number	The contract number associated with the data
Organization Marketing Name	The name the contract markets to members
Contract Name	The name the contract is known by in HPMS
Parent Organization	The name of the parent organization for the contract
Rated As	The type of rating for this contract, valid values are "MA-Only," "MA-PD," and "PDP"
Highest Rating	The highest level of rating that can be achieved for this organization, valid values are "Part C Summary," "Part D Summary," "Overall Rating"
Rating	The star value attained in the highest rating for the organization type

27. Technical Notes link

The Technical Notes link provides the user with a copy of the 2022 Star Ratings Technical Notes. A draft version of these technical notes is available during the first plan preview. The draft is then updated for the second plan preview, and then finalized when the ratings data have been posted to MPF. Other updates may occur to the technical if errors are identified outside of the plan preview periods and after MPF data release.

Left clicking on the Technical Notes link will open a new browser window which will display a PDF (portable document format) copy of the 2022 Star Ratings Technical Notes. Right clicking on the Technical Notes link will pop up a context menu which contains Save Target As...; clicking on this will allow the user to download and save a copy of the PDF document.

28. Medication NDC List

The Medication NDC List link provides the user a means to download a copy of the medication lists used for the Medication Adherence measures (D08 – D10) & SUPD (D12). This downloadable file is in Zip format and contains two Excel files.

The Part C and Part D Example Measure Data link provides the user with a means to download a copy of the data for the Breast Cancer Screening Part C measure and the MTM Program Completion Rate for CMR Part D measure for the full set of contracts used to calculate the cut points. The data are de-identified such that individual contract's data cannot be determined. The data include the measure value, a flag for contracts that had data issues, and two flags identifying contracts with > 25 percent of enrollees living in an area affected by a disaster. There is also a flag in the Part D measure file identifying contracts as MAPD or PDP. This downloadable is in Zip format and contains two Excel files.

From: [CMS MP-CAHPS](#)
To: [Compliance Communication Center-Anthem-SM](#); [CMS PartC&DStarRatings](#)
Cc: [Meidl, Chris](#); [Pick, Keith](#)
Subject: RE: 2024 CAHPS Survey Results Detailed Files
Date: Wednesday, August 14, 2024 11:37:37 AM
Attachments: [image001.png](#)

Good morning,

In 2023 a variety of changes were made to the means and tests reports to more efficiently convey information directly related to scores and Star Ratings.

All scores are now publicly reported on the 0-100 scale (such as the national and state benchmarks at <https://www.ma-pdpcahps.org/en/comparative-data/>). Thus the reports no longer include entries converting scores or other quantities to the original scale. The formula for converting items between scales can be found on slide 4 of the document detailing [2024 Scoring of MAPDP CAHPS Composite Measures \(ma-pdpcahps.org\)](#). The range (minimum and maximum values) for each measure on its original scale can be found in the 2024 reports in the *original_range* column. Additionally, since 2023 the reports only include the Star Rating measures as well as any measures which are components of Star Ratings, since they are publicly reported and are a component of MA Quality Bonus Payments.

Thank you,
MA & PDP CAHPS Survey Team

From: Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>
Sent: Monday, August 12, 2024 6:07 PM
To: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>; CMS PartC&DStarRatings
<PartCandDStarRatings@cms.hhs.gov>
Cc: Meidl, Chris <christopher.meidl@elevancehealth.com>; Pick, Keith
<keith.pick2@elevancehealth.com>; Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>
Subject: RE: 2024 CAHPS Survey Results Detailed Files

Hello,

Thank you providing the CAHPS case-mix and means tests files. In prior years, we have also received a file with a worksheet labeled 'qryRun.' For reference, the attached 'Elevance means-co-items-2022' file was received from the CMS MP-CAHPS mailbox on August 8th, 2022. Is CMS able to provide the 2024 version of this file to further assist in our validation of 2025 Star Ratings Plan Preview 1 data?

Thank you,
Compliance Communication Center - Elevance Health

Compliance Communication Center



elevancehealth.com

You can **confidentially** report an ethics or compliance concern by calling the HelpLine at 1-877-725-2702.

From: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>
Sent: Wednesday, August 7, 2024 8:20 AM
To: Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>; CMS PartC&DStarRatings
<PartCandDStarRatings@cms.hhs.gov>
Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris
<christopher.meidl@elevancehealth.com>
Subject: RE: 2024 CAHPS Survey Results Detailed Files

Good morning,

Thank you for confirming the status of S5726

Please see the attached means and tests report for the contracts listed below (files ending in _Means_Tests_CAHPS_2024.xlsx), which provides additional statistics used to calculate the Star Rating for each applicable measure. The one exception is contract S5726, which our records indicate is affiliated with another sponsor. Also since H1732 was consolidated with H8432 there is just a report for H8432 that combines the CAHPS data for both contracts.

For further information about each contract's Star Rating calculations, see the attached case-mix reports (files ending in _Casemix_CAHPS_2024.xlsx). This report includes a worksheet for every item or composite that receives a Star Rating. For detailed information on case-mix adjustment and to view an example report, please visit the 'Scoring and Star Ratings' section on the MA & PDP CAHPS website at Scoring and Star Ratings (ma-pdpcahps.org). The information contained in the case-mix report is not required to address your inquiry but helps provide a more complete picture of the full scoring process.

Thank you,
MA & PDP CAHPS Survey Team

From: Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>
Sent: Monday, August 5, 2024 2:53 PM
To: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>; CMS PartC&DStarRatings
<PartCandDStarRatings@cms.hhs.gov>
Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris
<christopher.meidl@elevancehealth.com>; Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Subject: RE: 2024 CAHPS Survey Results Detailed Files

Good afternoon,

S5726 is an alliance between Elevance Health and Blue Cross and Blue Shield of Kansas, where Kansas is the parent organization. We will coordinate to have them request the detailed files as the parent organization.

Thank you,
Compliance Communication Center - Elevance Health



Compliance Communication Center

elevancehealth.com

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From: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>

Sent: Monday, August 5, 2024 1:08 PM

To: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>; CMS PartC&DStarRatings

<PartCandDStarRatings@cms.hhs.gov>

Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris

<christopher.meidl@elevancehealth.com>

Subject: RE: 2024 CAHPS Survey Results Detailed Files

Hello,

We are preparing the data files for this request but do have a question about S5726. Our records show a different parent organization for this contact number. Did the parent organization change to Elevance?

Thank you,
MA & PDP CAHPS Survey Team

From: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Sent: Friday, August 2, 2024 5:02 PM

To: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>; CMS PartC&DStarRatings

<PartCandDStarRatings@cms.hhs.gov>

Cc: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>; Pick, Keith

<keith.pick2@elevancehealth.com>; Meidl, Chris <christopher.meidl@elevancehealth.com>

Subject: 2024 CAHPS Survey Results Detailed Files

Hello,

Elevance Health is writing to request the detailed files for validating the Consumer Assessment of Healthcare Providers and Systems (CAHPS) calculations for all Elevance Health contracts, inclusive of national means, case-mix adjustment by measure, standard errors, and question-level raw performance. Below is the list of contracts for which we are requesting this data/information.

Please let us know if you have any questions or need additional information.

CONTRACT ID
H0544
H1607
H1732
H1947
H2836
H3447
H3536
H3655
H4036
H4161
H4346
H4909
H5422
H5854
H6078
H7093
H8432
H8552
H9065
H9219
H9525
R4487
R5941
S2893
S5596
H0907
H1423
H1894
H2593
H3240
H5828
H8786
H8849
S5960
H5471
H5427
H5594

H5431
H4003
H4004
H7522
S5726

Thank you,
Compliance Communication Center – Elevance Health

Thank you,
Compliance Communication Center - Elevance Health



Compliance Communication Center
elevancehealth.com

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Native File Attachment to AR808

“H2593_Casemix_CAHPS_2024”

Native File Attachment to AR808
“H2593_Means_Tests_CAHPS_2024”

Native File Attachment to AR808

“H3655_Casemix_CAHPS_2024”

Native File Attachment to AR808
“H3655_Means_Tests_CAHPS_2024”

Native File Attachment to AR808

“H5427_Casemix_CAHPS_2024”

Native File Attachment to AR808
“H5427_Means_Tests_CAHPS_2024”

Native File Attachment to AR808

“H6078_Casemix_CAHPS_2024”

Native File Attachment to AR808
“H6078_Means_Tests_CAHPS_2024”

Native File Attachment to AR808

“H8849_Casemix_CAHPS_2024”

Native File Attachment to AR808
“H8849_Means_Tests_CAHPS_2024”

Native File Attachment to AR808

“Elevance means-co-items-2022”

From: [CMS MP-CAHPS](#)
To: [Turano, Michelle](#)
Cc: [CMS PartC&DStarRatings](#)
Subject: RE: Elevance Health Plan Preview 2 Letter to CMS
Date: Thursday, September 19, 2024 9:36:55 AM
Attachments: [H3655_Casemix_CAHPS_2024_more_suppression_info.xlsx](#)
[H6078_Casemix_CAHPS_2024_more_suppression_info.xlsx](#)
[image001.png](#)

Good morning,

This is in response to your CAHPS comments. In accordance with confidentiality requirements, CMS cannot provide the suppressed case-mix adjustment data for these contracts. We realize that suppression of cells with small sample sizes in the case-mix adjustment reports may in some instances make exact verification of case-mix adjustment calculations unfeasible. The same methodology and the same code are used for all case-mix adjustment calculations, so Elevance may use instances where no cells are suppressed for a given measure to verify the accuracy of case-mix adjustment. Examples of measures for which Elevance contracts do not experience any small-cell suppression include md_medrecs for contract H3447, pl_ezpaper for contract H5828, and md_talkmeds for contract H9525. The corresponding tabs of the case-mix adjustment reports for those contracts may be used to verify case-mix adjustment calculations.

For contracts H3655 and H6078, see the attached files for slightly modified versions of the case-mix adjustment reports. In these reports, for contract proportions that have been suppressed, we've provided additional information within the limits of our confidentiality requirements about the extent to which the contract's proportions differs from the national proportion. See footnote 1 in the reports, which provides the key regarding whether a suppressed contract proportion is at least 20 percentage points below the national proportion, within 20 percentage points of the national proportion, or at least 20 percentage points above the national proportion. For these two contracts, in nearly all cases in which a contract proportion is suppressed, the contract proportion is within 20 percentage points of the national proportion. The exception is the "Medicaid dual eligible" predictor category, for which H6078's contract proportion is at least 20 percentage points below the national proportion for 12 of the outcome measures; for example, see the first sheet "md_medrecs" in the H6078 report, where the contract proportion for "Medicaid dual eligible" is represented with a "B".

MA & PDP CAHPS case-mix adjustment ensures that contract scores are not influenced by patient-level factors beyond their control and facilitates fair comparison of contracts. Its effects are moderate rather than drastic or disproportionate and improve the comparability of the data across contracts (Orr et al. 2022, Cefalu et al. 2021). Building on a body of CAHPS research that has continued into more specific MA & PDP CAHPS research, the MA & PDP CAHPS methodology benefits from more than 25 years of case-mix adjustment research, psychometric evaluation, and analyses to ensure and improve data quality. This research and these procedures are well-represented in the peer-reviewed literature and available on the [MA & PDP CAHPS website](#).

Orr N, Zaslavsky AM, Hays RD, Cleary PD, Haviland AM, Brown JA, Dembosky JW, Martino SC, Gaillot S, Elliott MN. (2022) "Development, Methodology, and Adaptation of the Medicare

Consumer Assessment of Healthcare Providers and Systems (CAHPS®) Patient-Experience Survey, 2007-2019” *Health Services and Outcomes Research Methodology* 2022:1-20. DOI: <https://doi.org/10.1007/s10742-022-00277-9>

Cefalu M, Elliott MN, Hays RD. (2021) “Adjustment of Patient Experience Surveys for How People Respond” *Medical Care* 59(3):202-205 DOI: <https://doi.org/10.1097/MLR.0000000000001489>

Thank you
MA & PDP CAHPS Survey Team

From: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Sent: Friday, September 13, 2024 4:19 PM
To: CMS MP-CAHPS <MP-CAHPS@cms.hhs.gov>
Cc: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Subject: FW: Elevance Health Plan Preview 2 Letter to CMS

From: Turano, Michelle <michelle.turano@elevancehealth.com>
Sent: Friday, September 13, 2024 4:05 PM
To: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Subject: Elevance Health Plan Preview 2 Letter to CMS

Dear Sir or Madam: attached please find Elevance Health’s response to the 2025 Star Ratings Plan Preview 2 data, as well as a zip file attachment. Could you kindly confirm your receipt of this correspondence?

Thank you in advance.
Michelle Turano



Michelle Turano

Vice President, Government Business Compliance
Medicare & Medicaid Compliance Officer
5411 Sky Center Dr., Tampa, Florida 33607
Phone: 813-295-1367
Michelle.turano@elevancehealth.com

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Native File Attachment to AR824
**“H3655_Casemix_CAHPS_2024_more_
suppression_info.xlsx”**

Native File Attachment to AR824
**“H6078_Casemix_CAHPS_2024_more_
suppression_info.xlsx”**

From: [CMS PartC&DStarRatings](#)
To: [Compliance Communication Center-Anthem-SM](#)
Cc: [Pick, Keith](#); [Meidl, Chris](#); [CMS PartC&DStarRatings](#)
Subject: RE: Plan Preview #2: Quality Improvement
Date: Wednesday, October 16, 2024 1:16:49 PM
Attachments: [Elevance.zip](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)

Hi there,

Please find attached most updated worksheets for Elevance.

Thank you and regards,

Part C & D Star Ratings Team

Medicare Drug Benefit and C&D Data Group (MDBG)

PartCandDStarRatings@cms.hhs.gov



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From: Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>
Sent: Tuesday, October 15, 2024 5:22 PM
To: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris
<christopher.meidl@elevancehealth.com>; Compliance Communication Center-Anthem-SM
<ComplianceCommunicationCent@elevancehealth.com>
Subject: RE: Plan Preview #2: Quality Improvement

Hello,

Elevance Health is writing regarding the detailed 2025 Star Rating ('SR') and Quality Improvement Measure ('IM') calculation files provided by CMS to us on September 5, 2024 (attached). Can CMS please advise if there were any updates made to these files since Plan Preview 2 to finalize the 2025 Star Ratings? If so, could CMS please provide the final versions of these files used to produce Elevance Health's 2025 Star Ratings?

Thank you,

Compliance Communication Center - Elevance Health



Compliance Communication Center

elevancehealth.com

You can **confidentially** report an ethics or compliance concern by calling the HelpLine at 1-877-725-2702.

From: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>

Sent: Friday, September 6, 2024 6:14 PM

To: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris

<christopher.meidl@elevancehealth.com>; CMS PartC&DStarRatings

<PartCandDStarRatings@cms.hhs.gov>

Subject: RE: Plan Preview #2: Quality Improvement

This contract is a second year consolidation, and so the improvement workbooks will not populate in these situations. Please use the information available in HPMS.

Thank you and regards,

Part C and D Star Ratings Team

From: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Sent: Friday, September 6, 2024 5:54 PM

To: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>

Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris

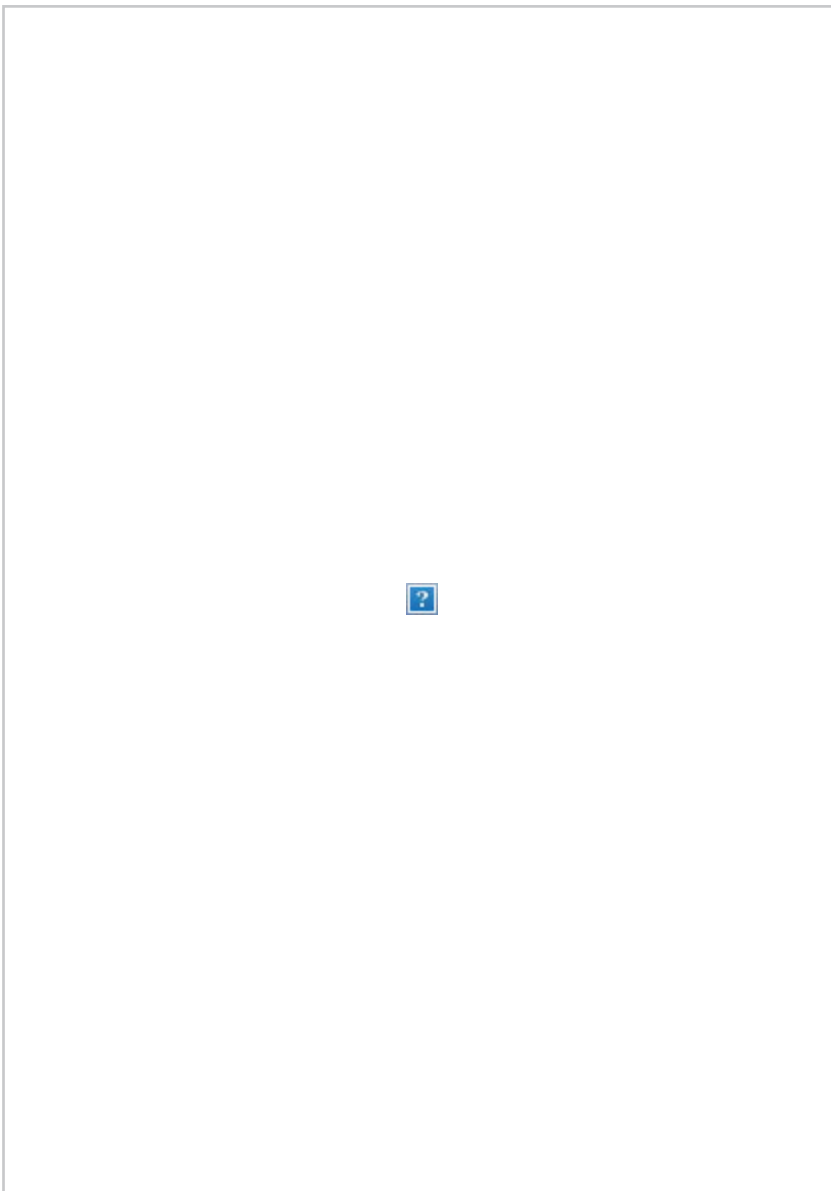
<christopher.meidl@elevancehealth.com>; Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Subject: RE: Plan Preview #2: Quality Improvement

Hello,

Thank you for the quick response. The 'IM' file for Contract H4036 (attached) has '#DIV/0' errors in multiple cells (highlighted below). Could CMS please provide an updated file with the appropriate values?



Thank you,
Compliance Communication Center - Elevance Health



Compliance Communication Center
elevancehealth.com

You can **confidentially** report an ethics or compliance concern by calling the HelpLine at 1-877-725-2702.

From: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>

Sent: Thursday, September 5, 2024 7:03 PM

To: Compliance Communication Center-Anthem-SM

<ComplianceCommunicationCent@elevancehealth.com>

Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris <christopher.meidl@elevancehealth.com>; CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Subject: RE: Plan Preview #2: Quality Improvement

Hello,

Please see attached.

Sincerely,

Part C and D Star Ratings Team

From: Compliance Communication Center-Anthem-SM <ComplianceCommunicationCent@elevancehealth.com>
Sent: Thursday, September 5, 2024 12:29 PM
To: CMS PartC&DStarRatings <PartCandDStarRatings@cms.hhs.gov>
Cc: Pick, Keith <keith.pick2@elevancehealth.com>; Meidl, Chris <christopher.meidl@elevancehealth.com>; Compliance Communication Center-Anthem-SM <ComplianceCommunicationCent@elevancehealth.com>
Subject: Plan Preview #2: Quality Improvement

Hello,

To assist in our validation of the 2025 Plan Preview 2 Star Ratings and data, Elevance Health is writing to request the detailed Star Rating ('SR') and Quality Improvement Measure ('IM') calculation files used to determine all of Elevance Health's contracts' (listed below) measure scores and ratings. For reference, attached are the files we received during the 2024 Plan Preview 2 Star Ratings.

Contract Number
H0544
H0907
H1423
H1607
H1894
H1947
H2441
H2593
H2836
H3240
H3342
H3447
H3536
H3655
H4003

H4004
H4036
H4161
H4346
H4471
H4694
H4704
H4909
H5422
H5427
H5431
H5471
H5594
H5828
H5854
H6078
H6316
H7093
H7522
H8432
H8552
H8786
H8849
H9065
H9219
H9469
H9525
R4487
R5941
S5596
S5960

We greatly appreciate your time and assistance.

Thank you,
Compliance Communication Center - Elevance Health



Compliance Communication Center

elevancehealth.com

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Native File Attachment to AR829
“H2593_2025_IM_Calcs_2024_10_16”

Native File Attachment to AR829
“H2593_2025_SR_Calculations_2024_1
0_16”

Native File Attachment to AR829
“H3655_2025_IM_Calcs_2024_10_16”

Native File Attachment to AR829
“H3655_2025_SR_Calculations_2024_1
0_16”

Native File Attachment to AR829
“H5427_2025_IM_Calcs_2024_10_16”

Native File Attachment to AR829
“H5427_2025_SR_Calculations_2024_1
0_16”

Native File Attachment to AR829
“H6078_2025_IM_Calcs_2024_10_16”

Native File Attachment to AR829
“H6078_2025_SR_Calculations_2024_1
0_16”

Native File Attachment to AR829
“H8849_2025_IM_Calcs_2024_10_16”

Native File Attachment to AR829
“H8849_2025_SR_Calculations_2024_1
0_16”