

## 2025 Categorical Adjustment Index Measure Supplement

*This supplement provides details related to the adjusted measure set for the 2025 Categorical Adjustment Index (CAI).*

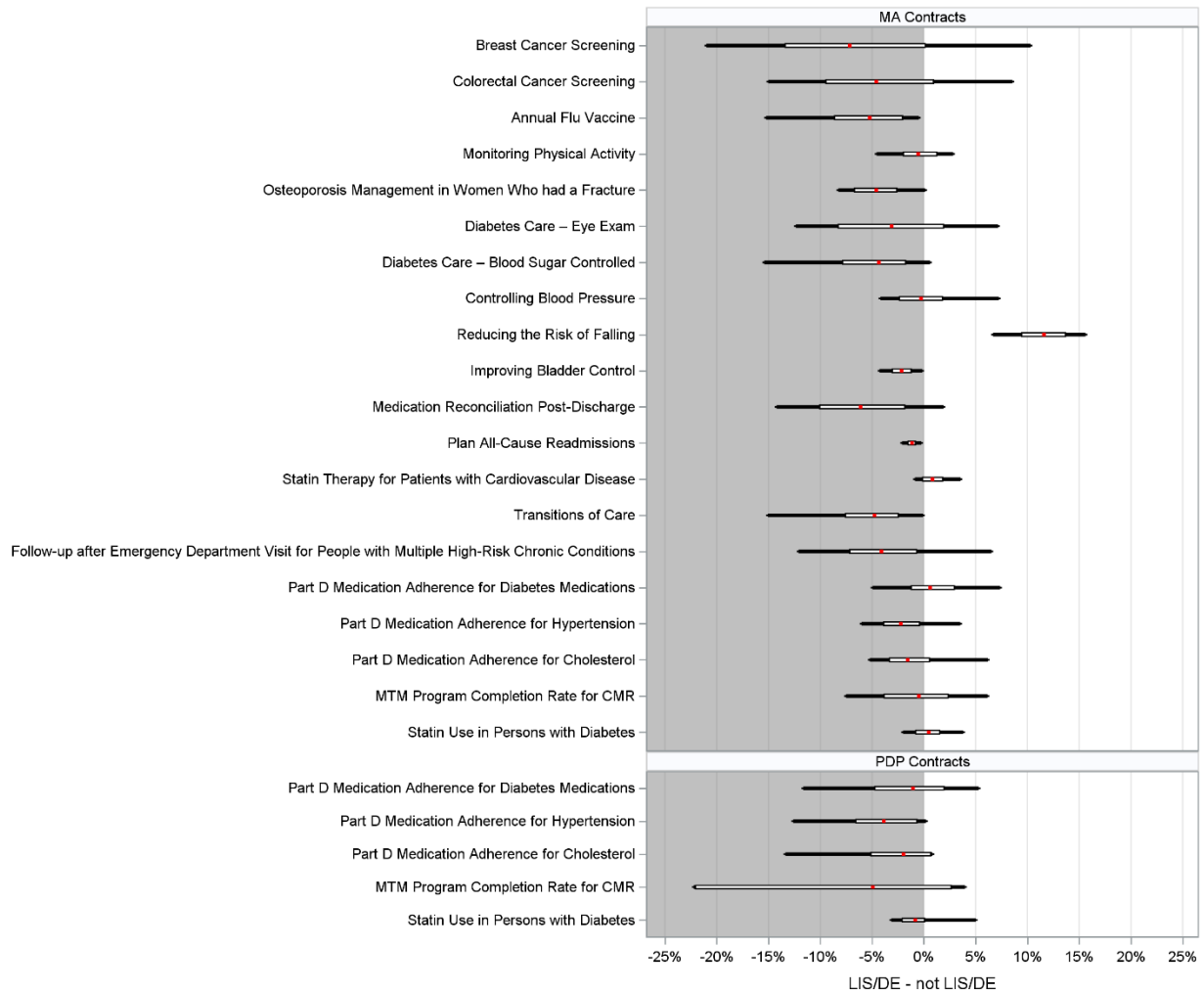
CMS has updated the analyses examining the variability of the within-contract differences in performance between low-income subsidy/dual eligible (LIS/DE) and non-LIS/DE beneficiaries for the set of measures included in the 2025 CAI. This information is for informational purposes only.

- Figure 1 depicts the within-contract LIS/DE and non-LIS/DE differences in performance for each measure for the contracts that received a measure Star Rating in the 2024 Star Ratings. The figure provides (1) the variability of the within-contract differences for MA contracts and, (2) the variability for PDPs.
- Figure 2 is provided to aid in the interpretation of the visuals shown in Figure 1.
- Tables 1 through 4 provide descriptive statistics of the within-contract differences to supplement the visuals in Figure 1.
  - Tables 1 and 3 provide the overall summary statistics for central tendency and dispersion for MA and PDP contracts, respectively.
  - Tables 2 and 4 provide specific percentiles of the distribution of the within-contract differences for MA and PDP contracts, respectively.
- Tables 5 through 16 provide the rating-specific categories for classification of contracts based on the percentage of LIS/DE and disabled beneficiaries along with the final adjustment categories.
  - Table 5 provides the range of the percentages that correspond to the LIS/DE categories determined by dividing the distribution of MA contracts' LIS/DE percentages into ten equal-sized groups for the CAI for the overall Star Rating.
  - Table 6 provides the range of the percentages that correspond to the disability quintiles for the categorization of MA contracts for the CAI for the overall Star Rating.
  - Table 7 provides the description of each of the final adjustment categories for the overall Star Rating for MA contracts and the associated values of the CAI.
  - Tables 8 through 10 provide CAI values for the Part C summary rating.
  - Tables 11 through 13 provide CAI values for the Part D summary rating for MA-PDs.
  - Tables 14 through 16 provide CAI values for the Part D summary rating for PDPs.

For the 2025 Star Ratings, the adjusted measures are: Breast Cancer Screening, Colorectal Cancer Screening, Annual Flu Vaccine, Monitoring Physical Activity, Osteoporosis Management in Women Who had a Fracture, Diabetes Care – Eye Exam, Diabetes Care – Blood Sugar Controlled, Controlling Blood Pressure, Reducing the Risk of Falling, Improving Bladder Control, Medication Reconciliation Post-Discharge, Plan All-Cause Readmissions, Statin Therapy for Patients with Cardiovascular Disease, Transitions of Care, Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions, Part D Medication Adherence for Diabetes Medications, Part D Medication Adherence for Hypertension, Part D Medication Adherence for Cholesterol, MTM Program Completion Rate for CMR, and Statin Use in Persons with Diabetes.

Figure 1 shows distributions of within-contract LIS/DE and non-LIS/DE differences in performance for the contracts that received a measure Star Rating. The shaded area corresponds to worse performance for LIS/DE beneficiaries, and the non-shaded area corresponds to better performance for LIS/DE beneficiaries, relative to non-LIS/DE beneficiaries. Distributions of the within-contract differences are provided first for MA contracts, followed by PDPs.

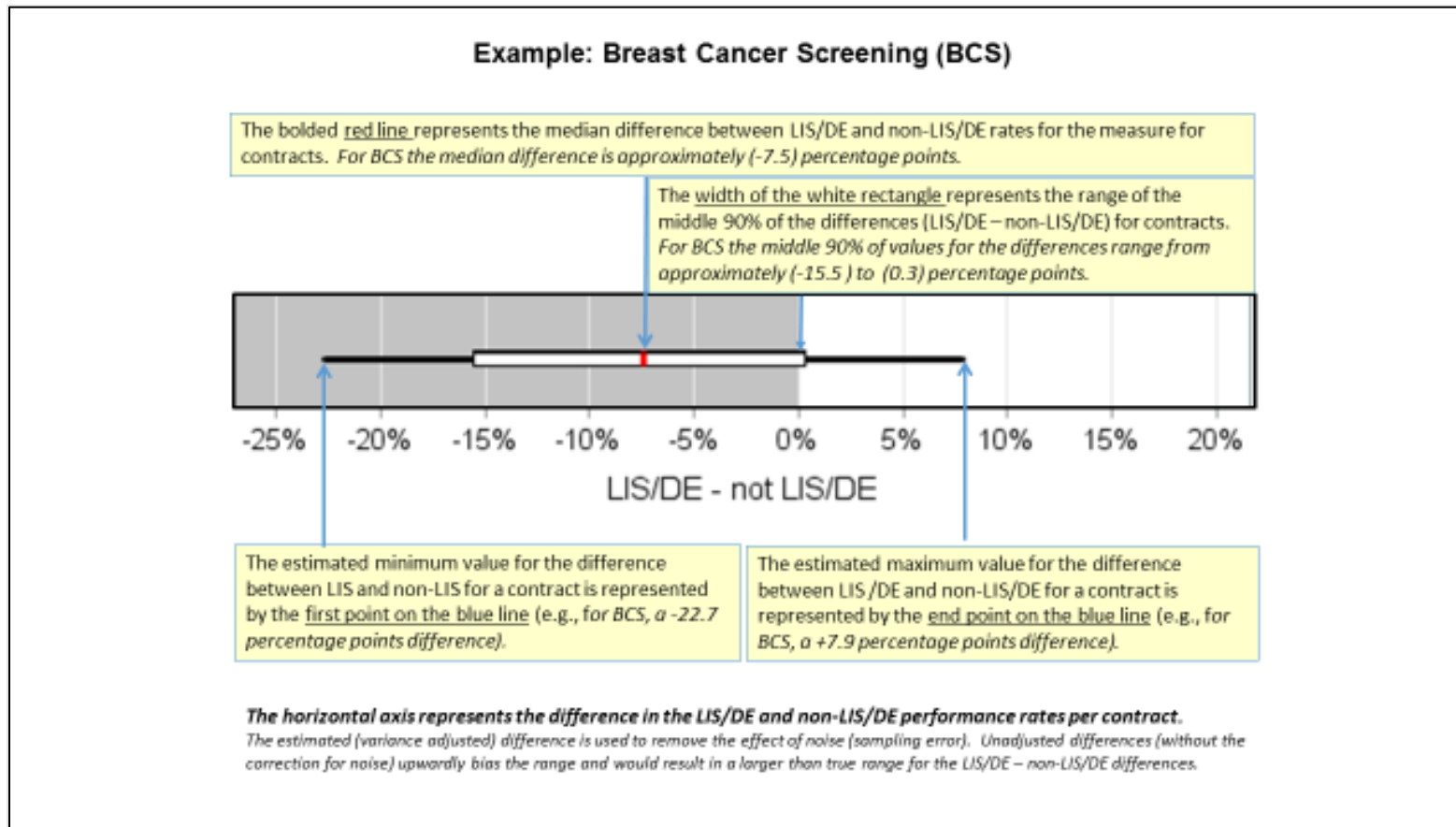
**Figure 1: Distribution of Within-Contract LIS/DE Differences in Performance across MA and PDP Contracts**



*NOTE: Each component of the Transitions of Care composite measure was examined separately, and then within-contract LIS/DE differences were averaged for contracts with calculated differences for all four components; individual component differences are not shown.*

Figure 2 is provided to aid in the interpretation of the visuals shown in Figure 1.

**Figure 2: Interpretation of the Visual of the Distribution of Within-Contract LIS/DE Differences in Performance across Contracts \***



\* The example is not based on 2025 results and thus, the values in the visual do not match the values in Figure 1 or Tables 1 and 2.

Table 1 shows overall summary descriptive statistics of the within-contract differences for MA contracts, and Table 2 provides specific percentiles of the distribution of the within-contract differences for MA contracts.

**Table 1: Summary Statistics of the Within-Contract LIS/DE Differences for MA Contracts**

Measure Name	Mean	Median	Minimum	Maximum	Standard Deviation
Breast Cancer Screening	-0.06974	-0.07161	-0.21001	0.10303	0.04080
Colorectal Cancer Screening	-0.04481	-0.04585	-0.15023	0.08556	0.03086
Annual Flu Vaccine	-0.05271	-0.05231	-0.15248	-0.00486	0.01965
Monitoring Physical Activity	-0.00530	-0.00534	-0.04561	0.02831	0.00978
Osteoporosis Management in Women Who had a Fracture	-0.04568	-0.04590	-0.08253	0.00131	0.01215
Diabetes Care – Eye Exam	-0.03190	-0.03110	-0.12365	0.07175	0.02943
Diabetes Care – Blood Sugar Controlled	-0.04529	-0.04335	-0.15415	0.00603	0.01963
Controlling Blood Pressure	-0.00256	-0.00265	-0.04191	0.07234	0.01286
Reducing the Risk of Falling	0.11535	0.11593	0.06667	0.15615	0.01236
Improving Bladder Control	-0.02147	-0.02162	-0.04266	-0.00144	0.00555
Medication Reconciliation Post-Discharge	-0.05946	-0.06110	-0.14223	0.01904	0.02563
Plan All-Cause Readmissions	-0.01135	-0.01136	-0.02101	-0.00246	0.00216
Statin Therapy for Patients with Cardiovascular Disease	0.00852	0.00832	-0.00862	0.03549	0.00549
Transitions of Care	-0.04910	-0.04765	-0.15065	-0.00066	0.01655
Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	-0.04005	-0.04089	-0.12099	0.06532	0.01913
Part D Medication Adherence for Diabetes Medications	0.00651	0.00611	-0.04964	0.07372	0.01294
Part D Medication Adherence for Hypertension	-0.02203	-0.02222	-0.06017	0.03507	0.01118
Part D Medication Adherence for Cholesterol	-0.01519	-0.01554	-0.05226	0.06181	0.01188
MTM Program Completion Rate for CMR	-0.00534	-0.00478	-0.07516	0.06151	0.01800

Measure Name	Mean	Median	Minimum	Maximum	Standard Deviation
Statin Use in Persons with Diabetes	0.00455	0.00480	-0.02011	0.03804	0.00703

NOTE: Each component of the Transitions of Care composite measure was examined separately, and then within-contract LIS/DE differences were averaged for contracts with calculated differences for all four components; individual component differences are not shown.

**Table 2: Within-Contract LIS/DE Difference Distribution Values for MA Contracts<sup>1</sup>**

Measure Name	P2.5	P5	P10	P25	P50	P75	P90	P95	P97.5
Breast Cancer Screening	-0.14542	-0.13387	-0.11928	-0.09273	-0.07161	-0.04557	-0.01592	0.00135	0.01274
Colorectal Cancer Screening	-0.10333	-0.09452	-0.08077	-0.06138	-0.04585	-0.02957	-0.00831	0.00929	0.02029
Annual Flu Vaccine	-0.09506	-0.08625	-0.07631	-0.06416	-0.05231	-0.04080	-0.02761	-0.02057	-0.01632
Monitoring Physical Activity	-0.02233	-0.01974	-0.01585	-0.01077	-0.00534	-0.00115	0.00681	0.01259	0.01843
Osteoporosis Management in Women Who had a Fracture	-0.07324	-0.06700	-0.05941	-0.05106	-0.04590	-0.03889	-0.03264	-0.02612	-0.01940
Diabetes Care – Eye Exam	-0.09058	-0.08268	-0.06828	-0.04797	-0.03110	-0.01689	0.00352	0.01907	0.03433
Diabetes Care – Blood Sugar Controlled	-0.08984	-0.07839	-0.07009	-0.05644	-0.04335	-0.03117	-0.02269	-0.01770	-0.01279
Controlling Blood Pressure	-0.03167	-0.02356	-0.01633	-0.00839	-0.00265	0.00194	0.01084	0.01794	0.02979
Reducing the Risk of Falling	0.09118	0.09453	0.10034	0.10798	0.11593	0.12277	0.12963	0.13680	0.14152
Improving Bladder Control	-0.03287	-0.03047	-0.02834	-0.02456	-0.02162	-0.01809	-0.01503	-0.01221	-0.00971
Medication Reconciliation Post-Discharge	-0.11126	-0.10059	-0.09123	-0.07641	-0.06110	-0.03972	-0.02582	-0.01848	-0.01505
Plan All-Cause Readmissions	-0.01640	-0.01521	-0.01368	-0.01248	-0.01136	-0.01016	-0.00885	-0.00813	-0.00729
Statin Therapy for Patients with Cardiovascular Disease	-0.00257	-0.00115	0.00279	0.00637	0.00832	0.01047	0.01483	0.01821	0.02226
Transitions of Care	-0.08309	-0.07567	-0.06862	-0.05991	-0.04765	-0.03722	-0.02986	-0.02473	-0.02109

<sup>1</sup> The values provided in the table correspond to the percentiles in the distribution of the within-contract LIS/DE differences for MA contracts (these differences are also depicted in Figure 1).

Measure Name	P2.5	P5	P10	P25	P50	P75	P90	P95	P97.5
Follow-up after Emergency Department Visit for People with Multiple High-Risk Chronic Conditions	-0.07917	-0.07154	-0.06217	-0.04897	-0.04089	-0.03147	-0.01674	-0.00693	0.00221
Part D Medication Adherence for Diabetes Medications	-0.01835	-0.01213	-0.00783	0.00045	0.00611	0.01059	0.01963	0.02947	0.03687
Part D Medication Adherence for Hypertension	-0.04388	-0.03873	-0.03457	-0.02819	-0.02222	-0.01689	-0.00979	-0.00425	0.00193
Part D Medication Adherence for Cholesterol	-0.03749	-0.03323	-0.02826	-0.02109	-0.01554	-0.01040	-0.00353	0.00554	0.01214
MTM Program Completion Rate for CMR	-0.04842	-0.03833	-0.02588	-0.01241	-0.00478	0.00260	0.01717	0.02344	0.03018
Statin Use in Persons with Diabetes	-0.01402	-0.00776	-0.00287	0.00232	0.00480	0.00742	0.01145	0.01522	0.01979

*NOTE: Each component of the Transitions of Care composite measure was examined separately, and then within-contract LIS/DE differences were averaged for contracts with calculated differences for all four components; individual component differences are not shown.*

Table 3 provides the overall summary statistics for central tendency and dispersion for PDP contracts, and Table 4 shows specific percentiles of the distribution of the within-contract differences for PDP contracts.

**Table 3: Summary Statistics of the Within-Contract LIS/DE Differences for PDPs**

Measure Name	Mean	Median	Minimum	Maximum	Standard Deviation
Part D Medication Adherence for Diabetes Medications	-0.01271	-0.01049	-0.11654	0.05309	0.02426
Part D Medication Adherence for Hypertension	-0.04062	-0.03860	-0.12618	0.00214	0.02192
Part D Medication Adherence for Cholesterol	-0.02210	-0.01965	-0.13371	0.00843	0.02559
MTM Program Completion Rate for CMR	-0.06498	-0.04923	-0.22235	0.03978	0.06671
Statin Use in Persons with Diabetes	-0.00834	-0.00824	-0.03142	0.05032	0.01084

**Table 4: Within-Contract LIS/DE Difference Distribution Values for PDPs<sup>2</sup>**

Measure Name	P2.5	P5	P10	P25	P50	P75	P90	P95	P97.5
Part D Medication Adherence for Diabetes Medications	-0.04816	-0.04734	-0.03825	-0.02589	-0.01049	-0.00011	0.01489	0.01951	0.02043
Part D Medication Adherence for Hypertension	-0.09849	-0.06564	-0.05782	-0.05315	-0.03860	-0.02924	-0.01541	-0.00662	0.00070
Part D Medication Adherence for Cholesterol	-0.10202	-0.05117	-0.04732	-0.03506	-0.01965	-0.00447	0.00312	0.00668	0.00709
MTM Program Completion Rate for CMR	-0.22129	-0.22046	-0.18572	-0.09258	-0.04923	-0.02319	0.00899	0.02638	0.03000
Statin Use in Persons with Diabetes	-0.03071	-0.02092	-0.01811	-0.01258	-0.00824	-0.00599	-0.00151	0.00072	0.00621

<sup>2</sup> The values provided in the table correspond to the percentiles in the distribution of the within-contract LIS/DE differences for PDP contracts (these differences are also depicted in Figure 1).

Table 5 provides the range of the percentages that correspond to the initial LIS/DE groups for the determination of CAI values for the overall rating. With the exception of the highest category, the upper limit for each category is not included in that category, but rather the next (higher) category. For example, in Table 5, if the percentage of beneficiaries who are LIS/DE in a contract is 50.161404%, the contract's LIS/DE initial category is L8. Table 6 shows disability quintiles for the determination of the CAI values for the overall rating.

**Table 5: Categorization of MA Contracts into Initial LIS/DE 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 6: Categorization of MA Contracts 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 7 provides the description of each of the final adjustment categories for the overall Star Rating for MA contracts and the associated values of the CAI.

**Table 7: 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 8 and 9 provide the range of the percentages that correspond to the initial LIS/DE groups and disability quintiles for the initial categories for the determination of the CAI values for the Part C summary rating.

**Table 8: Categorization of MA Contracts into Initial LIS/DE Groups for the Part C Summary Rating**

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 9: Categorization of MA Contracts into Disability Quintiles for the Part C Summary Rating**

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 10 provides the description of each of the final adjustment categories for the Part C summary rating and the associated values of the CAI.

**Table 10: Final Adjustment Categories and CAI Values for the Part C Summary Rating**

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-L10 L9	D2-D5 D1-D2 D3	0.038923
7	L9 L10	D4-D5 D3-D4	0.078480
8	L10	D5	0.094759

Tables 11 and 12 provide the range of the percentages that correspond to the initial LIS/DE 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 11: Categorization of MA-PD Contracts into Initial LIS/DE Groups for the Part D Summary Rating**

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 12: Categorization of MA-PD Contracts into Disability Quintiles for the Part D Summary Rating**

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 13 provides the description of each of the final adjustment categories for the Part D summary rating for MA-PDs and the associated values of the CAI.

**Table 13: Final Adjustment Categories and CAI Values for the Part D Summary Rating for MA-PDs**

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 L9-10	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 14 and 15 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 Part D summary rating for PDPs. Quartiles are used for both dimensions (LIS/DE and disability) due to the limited number of PDPs as compared to MA contracts.

**Table 14: Categorization of PDP Contracts into LIS/DE Quartiles for the Part D Summary Rating**

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 15: Categorization of PDP Contracts into Disability Quartiles for the Part D Summary Rating**

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 16 provides the description of each of the final adjustment categories for the Part D summary rating for PDPs and the associated values of the CAI.

**Table 16: Final Adjustment Categories and CAI Values for the Part D Summary Rating for PDPs**

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

Please note that the CAI values for the Part D summary rating for PDPs are different from the CAI values for the Part D summary rating for MA contracts. Under §§ 422.166(f)(2)(i)(A) and 423.186(f)(2)(i)(A), categories are chosen to enforce monotonicity (i.e., adjustment values increase as percent LIS/DE and percent disabled increases) in the final adjustment categories. There are three final adjustment categories for PDPs for the Part D summary rating.