

## 2020 Categorical Adjustment Index Measure Supplement

*This supplement to the draft 2020 Call Letter provides the details related to the adjusted measure set for the 2020 CAI.*

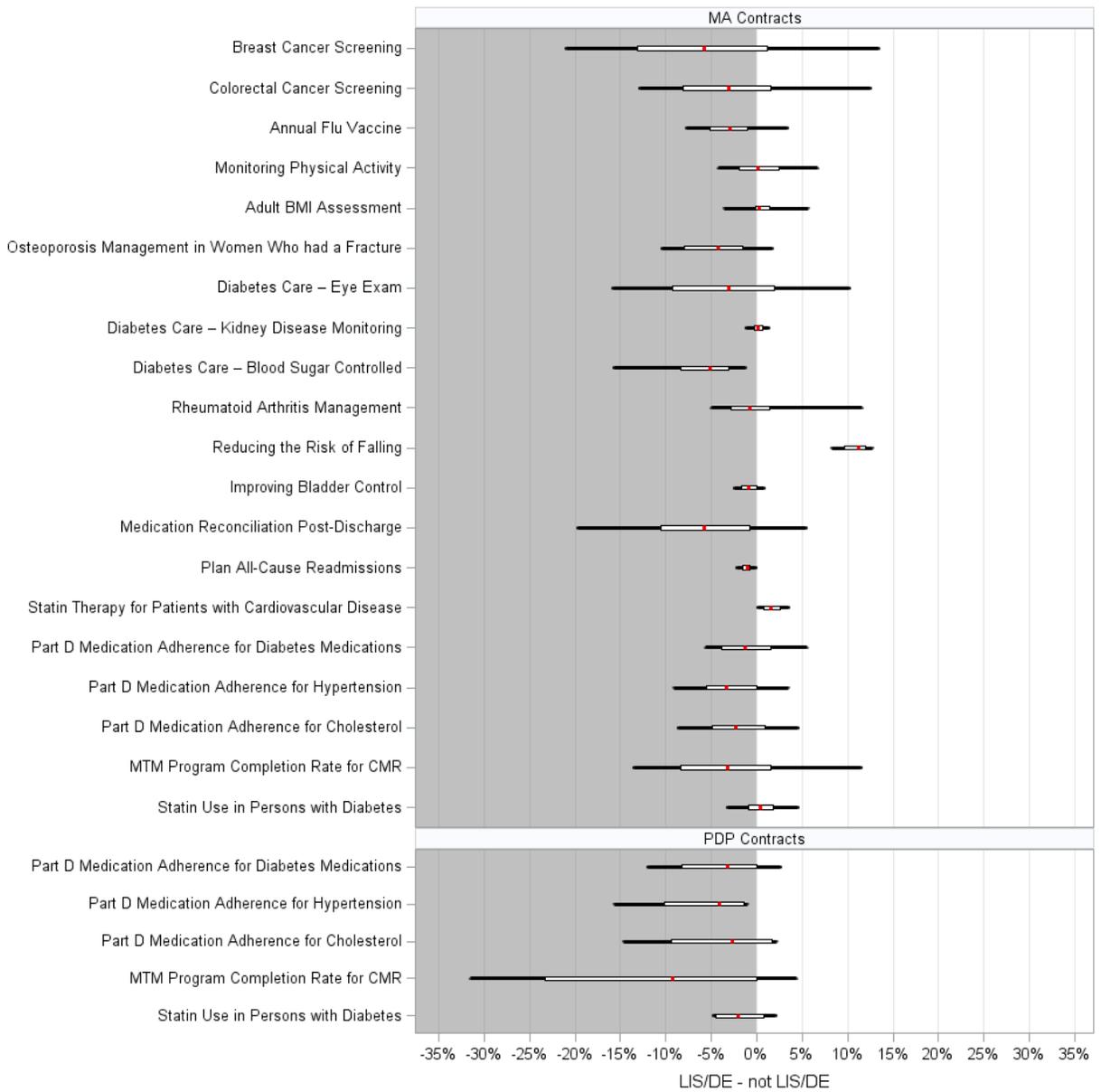
CMS has updated the analyses examining the variability of the within-contract differences in performance between LIS/DE and non-LIS/DE beneficiaries for the candidate set of measures for informational purposes.

Figure 1 in the appendix depicts the within-contract LIS/DE and non-LIS/DE differences for the contracts that received a Star Rating in the 2019 Star Ratings. The figure first provides the variability of the within-contract differences for MA contracts, followed by the variability of PDPs. Figure 2 is provided to aid in the interpretation of the visuals. Tables 1 through 4 provide descriptive statistics of the within-contract differences that underlie the visuals in the 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 points of the distribution of the within-contract differences for MA and PDP contracts, respectively.

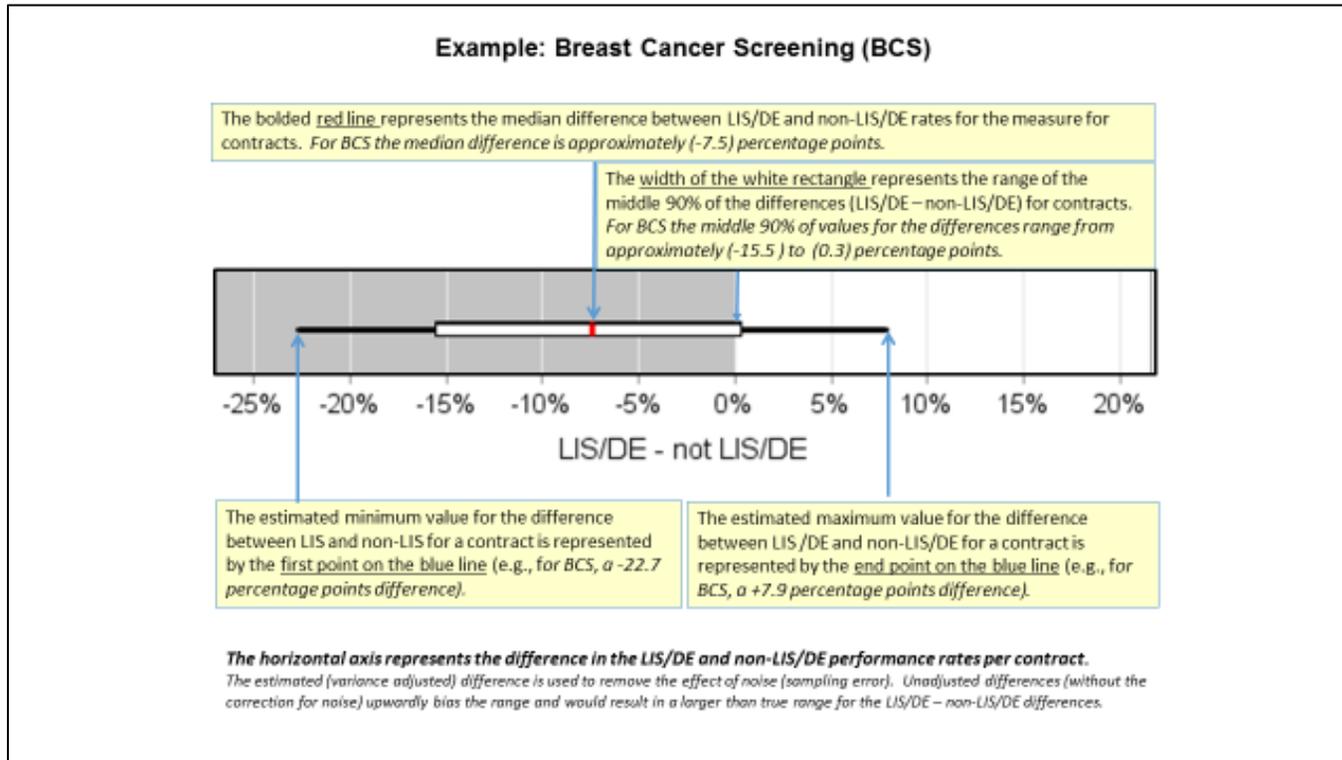
For the 2020 Star Ratings, the measures proposed for adjustment include the following: Adult BMI Assessment, Annual Flu Vaccine, Breast Cancer Screening, Colorectal Cancer Screening, Diabetes Care – Blood Sugar Controlled, Diabetes Care – Eye Exam, Diabetes Care – Kidney Disease Monitoring, Improving Bladder Control, Medication Reconciliation Post-Discharge, MTM Program Completion Rate for CMR, Monitoring Physical Activity, Osteoporosis Management in Women who had a Fracture, Plan All-Cause Readmissions, Reducing the Risk of Falling, Rheumatoid Arthritis Management, Medication Adherence for Diabetes Medications, Medication Adherence for Hypertension, Medication Adherence for Cholesterol, Statin Therapy for Patients with Cardiovascular Disease, and Statin Use in Persons with Diabetes.

## Appendix

**Figure 1: Variation across MA and PDP Contracts of the Within-Contract LIS/DE Differences**



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



\* The example is not based on 2020 results and thus, the values in the visual do not match the values in Figure 1 or Tables 1 and 2.

**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	-0.05907	-0.05782	-0.21013	0.13318	0.04434
Colorectal Cancer Screening	-0.03119	-0.03140	-0.12871	0.12490	0.02977
Annual Flu Vaccine	-0.03000	-0.02966	-0.07723	0.03405	0.01334
Monitoring Physical Activity	0.00146	0.00146	-0.04287	0.06681	0.01422
Adult BMI Assessment	0.00400	0.00260	-0.03635	0.05602	0.00741
Osteoporosis Management in Women Who had a Fracture	-0.04400	-0.04279	-0.10385	0.01630	0.01960
Diabetes Care – Eye Exam	-0.03283	-0.03064	-0.15837	0.10181	0.03410
Diabetes Care – Kidney Disease Monitoring	0.00164	0.00162	-0.01094	0.01227	0.00258
Diabetes Care – Blood Sugar Controlled	-0.05392	-0.05167	-0.15667	-0.01329	0.01730
Rheumatoid Arthritis Management	-0.00714	-0.00743	-0.05080	0.11616	0.01433
Reducing the Risk of Falling	0.11069	0.11141	0.08238	0.12693	0.00692
Improving Bladder Control	-0.00846	-0.00854	-0.02406	0.00745	0.00525
Medication Reconciliation Post-Discharge	-0.05651	-0.05728	-0.19664	0.05363	0.03147
Plan All-Cause Readmissions	-0.01104	-0.01093	-0.02204	-0.00138	0.00243
Statin Therapy for Patients with Cardiovascular Disease	0.01575	0.01547	0.00116	0.03441	0.00508
Part D Medication Adherence for Diabetes Medications	-0.01294	-0.01274	-0.05663	0.05486	0.01649
Part D Medication Adherence for Hypertension	-0.03136	-0.03314	-0.09075	0.03429	0.01578
Part D Medication Adherence for Cholesterol	-0.02316	-0.02372	-0.08561	0.04495	0.01675
MTM Program Completion Rate for CMR	-0.03314	-0.03252	-0.13494	0.11391	0.02990
Statin Use in Persons with Diabetes	0.00447	0.00434	-0.03185	0.04503	0.00836

**Table 1: 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	-0.14239	-0.13085	-0.11710	-0.08786	-0.05782	-0.03075	-0.00862	0.01132	0.02650
Colorectal Cancer Screening	-0.09060	-0.08053	-0.07004	-0.04629	-0.03140	-0.01455	0.00182	0.01579	0.02418
Annual Flu Vaccine	-0.05790	-0.05113	-0.04563	-0.03705	-0.02966	-0.02335	-0.01360	-0.01018	-0.00503
Monitoring Physical Activity	-0.02984	-0.01935	-0.01477	-0.00597	0.00146	0.00834	0.01819	0.02439	0.03072
Adult BMI Assessment	-0.00487	-0.00080	0.00019	0.00130	0.00260	0.00511	0.01008	0.01445	0.02038
Osteoporosis Management in Women Who had a Fracture	-0.08958	-0.07992	-0.06912	-0.05377	-0.04279	-0.03148	-0.02246	-0.01491	-0.00154
Diabetes Care – Eye Exam	-0.09875	-0.09227	-0.07555	-0.05312	-0.03064	-0.01435	0.00421	0.01927	0.03606
Diabetes Care – Kidney Disease Monitoring	-0.00393	-0.00231	-0.00058	0.00067	0.00162	0.00262	0.00441	0.00581	0.00759
Diabetes Care – Blood Sugar Controlled	-0.09345	-0.08396	-0.07642	-0.06385	-0.05167	-0.04161	-0.03515	-0.03080	-0.02720
Rheumatoid Arthritis Management	-0.03963	-0.02876	-0.02119	-0.01298	-0.00743	-0.00190	0.00752	0.01474	0.01775
Reducing the Risk of Falling	0.09229	0.09696	0.10196	0.10744	0.11141	0.11520	0.11827	0.11997	0.12310
Improving Bladder Control	-0.01912	-0.01689	-0.01540	-0.01139	-0.00854	-0.00527	-0.00182	-0.00007	0.00167
Medication Reconciliation Post-Discharge	-0.12205	-0.10555	-0.09572	-0.07324	-0.05728	-0.03705	-0.01629	-0.00787	0.00659
Plan All-Cause Readmissions	-0.01655	-0.01488	-0.01376	-0.01242	-0.01093	-0.00956	-0.00836	-0.00750	-0.00673
Statin Therapy for Patients with Cardiovascular Disease	0.00524	0.00744	0.01045	0.01305	0.01547	0.01810	0.02198	0.02530	0.02742
Part D Medication Adherence for Diabetes Medications	-0.04401	-0.03907	-0.03364	-0.02150	-0.01274	-0.00681	0.00697	0.01543	0.02862
Part D Medication Adherence for Hypertension	-0.06023	-0.05525	-0.04862	-0.03963	-0.03314	-0.02455	-0.01539	-0.00047	0.00781
Part D Medication Adherence for Cholesterol	-0.05402	-0.04886	-0.04199	-0.03225	-0.02372	-0.01602	-0.00460	0.00891	0.01847
MTM Program Completion Rate for CMR	-0.09123	-0.08307	-0.06931	-0.04804	-0.03252	-0.01736	0.00118	0.01603	0.02812
Statin Use in Persons with Diabetes	-0.01451	-0.00893	-0.00457	0.00101	0.00434	0.00843	0.01473	0.01845	0.02269

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

**Table 2: 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	-0.03394	-0.03251	-0.11925	0.02636	0.024038
Part D Medication Adherence for Hypertension	-0.04679	-0.04125	-0.15646	-0.01087	0.028416
Part D Medication Adherence for Cholesterol	-0.03030	-0.02716	-0.14729	0.02146	0.031907
MTM Program Completion Rate for CMR	-0.10033	-0.09221	-0.31559	0.04319	0.075126
Statin Use in Persons with Diabetes	-0.02118	-0.02100	-0.04743	0.02050	0.013940

**Table 3: 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	-0.09363	-0.08250	-0.06489	-0.04133	-0.03251	-0.02193	-0.00533	0.00032	0.00124
Part D Medication Adherence for Hypertension	-0.11170	-0.10125	-0.08275	-0.06047	-0.04125	-0.02748	-0.01498	-0.01380	-0.01213
Part D Medication Adherence for Cholesterol	-0.09473	-0.09382	-0.06783	-0.04782	-0.02716	-0.00749	0.01206	0.01716	0.02028
MTM Program Completion Rate for CMR	-0.25696	-0.23278	-0.22051	-0.14078	-0.09221	-0.04076	-0.01175	-0.00006	0.01277
Statin Use in Persons with Diabetes	-0.04627	-0.04564	-0.04144	-0.02810	-0.02100	-0.01630	-0.00281	0.00780	0.00887

<sup>2</sup> The values provided in the table correspond to the percentiles in the distribution of the variation across PDP contracts of the within-contract LIS/DE differences depicted in Figure 1 for PDPs.