

Agenda

- AHEAD Update
- MPA and CTI Updates
- 2025 Program Workplan
- Benchmarking
 - Finalization of Medicare
 - Review of Commercial Results
- Next Steps & Upcoming Meetings





AHEAD Update





MPA and CTI Updates



2025 MPA Updates

- CMS provided a formal response on the MPA
 - Approved go forward revisions on the inclusion of NCBP in the savings target
 - Approved go forward tiering of Offset Stop Loss
 - Did not approve the retroactive one-sided application of the tiering based on the net neutral principles of CTIs
 - Final approval will be presented to Commissioners in April.
- hMetrix identified MPA may have been misapplied during the first half of January
 - hMetrix estimates total of ~\$4.5 M under payment
 - CMS is investigating
 - Correction, if required would be included in the July 1 MPA update.
- Updated MPA adjustment files for all periods are uploaded to the <u>TCOC</u> webpage under resources.



2026 MPA Workplan Process

- Kick-Off MPA Attribution Review March 2025 (Delayed)
- Finalize New Benchmarking Process April 2025
- Semi-Annual TCOC Update June 2025
- Frame MPA Attribution Options July 2025 (Likely to be delayed)
- Draft 2026 MPA Recommendation to Commission October 2025
- MPA CY 2026 Memo to CMS December 2025



CTI Updates

- No new pre-pandemic baselines
 - Starting in PY5, new CTIs will be limited to using CY 2022 or 2023, or FY 2023 or 2024 as their baseline periods.
 - Old CTIs are grandfathered in any new change is a change, and the original baseline goes away.
- Offset Change / Stop Gain
 - Stop loss applied during the offset tiered in a way that mirrors the Traditional MPA Scaled Growth Adjustment.
 - Quintiles will be assigned based on CY2026 MPA quintiles. Tiers are as follows: (currently all hospitals are subject to a 2.5% stop loss):

Hospital Performance vs. Benchmark	Proposed Stop Loss
1st Quintile (-15% to + 1% Relative to Benchmark)	1.250%
2nd Quintile (+1% to +10% Relative to Benchmark)	1.875%
3rd Quintile (+10% to +15% Relative to Benchmark)	2.500%
4th Quintile (+15% to +21% Relative to Benchmark)	3.125%
5th Quintile (+21% to +28% Relative to Benchmark)	3.750%





Coefficient of Variation Across all Care-setting CTIs

CTI Type	Coefficient of Variation	
PAC Touch	0.86	
Palliative Care	0.86	Group 1
Care Transitions	0.94	
Emergency Care	1.31	0
HOPD	1.39	Group 2
Community-Triggered	1.71	
Episodic Primary Care	1.77	Group 3

MSR Regrouping

Current Groupings

- **Group 1:** Community- Triggered **Group 2:** PAC Touch, Palliative Care, Care Transitions, Emergency Care, HOPD, Episodic Primary Care

New Grouping

- **Group 1**: PAC Touch, Palliative Care, Care • Transitions
- ٠
- **Group 2:** Emergency Care, HOPD **Group 3:** Panel Primary Care, Episodic Primary Care, and Geographic Community Care

There is now an option to include death in thematic areas



New Group 1 - Care Setting CTI MSR Counts

Percentage Change	Care Transitions	Palliative	PAC Touch	Straight Average	Proposed N	Original N
1.0	7487	4705	9086	7093	7100	8977
1.5	3327	2091	4038	3152	3150	3991
2.0	1872	1176	2272	1773	1770	2246
2.5	1198	753	1454	1135	1150	1441
3.0	832	523	1010	788	800	1001
3.5	611	384	742	579	600	731
4.0	468	294	568	443	450	561
4.5	370	232	449	350	350	441
5.0	299	188	363	283	280	361
5.5	247	156	300	234	230	301
6.0	208	131	252	197	200	251
6.5	177	111	215	168	170	210
7.0	153	96	185	145	145	181
7.5	133	84	162	126	125	161
8.0	117	74	142	111	110	141
8.5	104	65	126	98	100	126
9.0	92	58	112	87	90	111
9.5	83	52	101	79	80	101
10.0	75	47	91	71	70	91

New Group 2 - Hospital Outpatient CTI MSR Counts

Percentage Change	Emergency Care	HOPD	Straight Average	Proposed N
1.0	14459	14434	14447	14450
1.5	6426	6415	6421	6425
2.0	3615	3608	3612	3600
2.5	2313	2309	2311	2300
3.0	1607	1604	1606	1600
3.5	1180	1178	1179	1180
4.0	904	902	903	900
4.5	714	713	714	715
5.0	578	577	578	580
5.5	478	477	478	480
6.0	402	401	402	400
6.5	342	342	342	350
7.0	295	295	295	300
7.5	257	257	257	250
8.0	226	226	226	225
8.5	200	200	200	200
9.0	179	178	179	180
9.5	160	160	160	160
10.0	145	144	145	145

New Group 3 - Community Setting CTI MSR Counts

Percentage Change	Panel Primary Care	Episodic Primary Care G	Beographic Community Care	Straight Average	Proposed N	Original N
1.0	24810	37081	28886	30259	30260	19655
1.5	11027	16480	12838	13448	13450	8736
2.0	6202	9270	7221	7564	7550	4916
2.5	3970	5933	4622	4842	4840	3146
3.0	2757	4120	3210	3362	3360	2186
3.5	2025	3027	2358	2470	2470	1606
4.0	1551	2318	1805	1891	1890	1231
4.5	1225	1831	1426	1494	1495	971
5.0	992	1483	1155	1210	1210	791
5.5	820	1226	955	1000	1000	651
6.0	689	1030	802	840	840	551
6.5	587	878	684	716	715	466
7.0	506	757	590	618	620	401
7.5	441	659	514	538	540	351
8.0	388	579	451	473	470	311
8.5	343	513	400	419	420	270
9.0	306	458	357	374	375	246
9.5	275	411	320	335	335	221
10.0	248	371	289	303	300	201



2025 Program Workplan



CY 2025 Program Workplan

-		Q3			Q4			Q1			Q2			
Program	lask	1/25	2/25	3/25	4/25	5/25	6/25	7/25	8/25	9/25	10/25	11/25	12/25	
Care Transformation	Commission Presentation – Year 2 Results		х											
Initiatives	Finalize Program Changes for FY26			Х										
(Fiscal Year Operations)	CTI Enrollment				Х									*Quarters are on a Fiscal
Owner: Christa Speicher	2027 Program Change Discussion								х					Vear basis
	Template Released	Х												
	CRISP Learning Session	1	Х											
High Value Care Plans	TCOC/Population Health Innovations Workgroup		Х											** All datas are subject to
Oumori Christs Ensisher	Hospital Plans Due			3/28										All dates are subject to
Owner: Christa Speicher	Plan Review by HSCRC				Х									
	Hospital Revisions, if applicable					Х								change.
	High Value Care Plan Rate Adjustments Due						Х							Ŭ
	Follow Up with Hospitals on Year 2 Measures	1												
	Commission Presentation – Year 1 Activities, Year 2				4/0									
	Approvals				4/9									
Revenue for Reform	FY2025 Report Template Released							Х						
(Fiscal Year Operations)	FY2026 Application Template Updates								Х					
	FY2026 Hospital Applications Due										Х			 vvorkplan also located
Owner: Erin Schurmann	FY2026 Application Review Window											Х		
	Hospital Revisions, if applicable													on TCOC webnade
	FY2025 Reports Due												Х	on roopage
	FY 2026 Rate Adjustments Due / FY 2024 Audit Adjustment												Х	
Behavioral Health	Hospital CY 2024 Reports Due				Х									under resources
Regional Partnerships	Commission Meeting Presentation							Х						
(Calendar Year	Mid-Year Check-Ins								Х					
Operations)	CY 2024 Audits				Х									
Owner: Erin Schurmann	CY 2025 Templates Released											х		
Nedicara Derformence	Final 2025 MPA Recommendation to Commission			Х										
Adjustment	Kick-Off MPA Attribution Review			Х										
Aujusunem	Finalize New Benchmarking Process				Х									
Owner: William	Semi-Annual TCOC Update						Х							
Henderson	Frame MPA Attribution Options (July TCOC Workgroup)							Х						
	Draft 2025 MPA Recommendation to Commission											Х		
Enisode Quality	Year 2 Results Commission Presentation		2/12											
Improvement Program	Activate New Episodes			Х										
	2026 Rebasing	I		Х										
Owner: Christa Speicher	2026 Program Changes/Quality				Х									
	Enrollment Period							Х						
	Release RFI	Х	0.000											
New Paradigms in Care	Presentation to TCOC/Population Health Workgroup		2/26											
Delivery	REI Responses Due			3/31	V									maryland
Oursers Christe Cresisher	Review Process				X	X								health services
Owner: Christa Speicher	Negotiate Implementation Plans with Hospitals					X	V							cost review commission
	NOULY HOSDIIAIS						X							

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Benchmarking Method review



Overall Approach

most similar on county

characteristics (e.g., deep

poverty, median income).



those factors

Balance impact vs. complexity

R-squared: How good is the model

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to explain the variation in TCOC.

- Balance: How similar is selected peer-counties to MD county on all factors at the state level.
- Complexity vs. magnitude of change.

*PSAP: Primary Service Area Plus

Selection of factors used in benchmark county selection (i.e., matching)

Ba	seline model variables	Va	riables to test for inclusion in model
1.	Population density - population per square mile	He	alth Factors
2.	Rural/urban continuum code	1.	Percentage of adults aged 20 and above with diagnosed diabetes (age-adjusted).
з. 4.	Median household income	2.	Percentage of adults who are current smokers (age-adjusted).
5.	Percentage of population in deep poverty	3.	Percentage of the adult population (age 18 and older) that reports a body mass index (BMI) greater than or equal to 30 kg/m2 (age- adjusted)
6. 7.	Regional purchasing parities Average Hierarchical Condition Category (HCC) Score	4.	Food Environment Index
	for Medicare beneficiaries	So	cioeconomic Factors
		1.	Percentage of population identifying as non-Hispanic Black or African American.
		2.	Percentage of population identifying as Hispanic
		3.	Bureau of Labor Statistics wage for ambulatory healthcare service, private ownership type
		4.	CDC/ATSDR Social Vulnerability Index, overall ranking variable
		5.	Percentage of population aged under 65 with no insurance

Medicare recap: Build models to test each variable and combinations, as well as models using regression approach to select matching variables.

Model	Description	Rationale		
Original	Original: Median household income (MIncome), % deep poverty (DPP), regional price parities (RPP), average HCC score (HCC)			
Refreshed	Refreshed: Same as Original, updated to 2022 data	Census updates		
Model-2	Original + % Black or African American	Health equity and ability to analyze results by race		
Model-4	Original + BLS health care wage index	Additional economic inputs		
Model-5	Original + BLS health care wage index -MIncome	(wage index)		
Model-6	Original + CDC Social Vulnerability Index (SVI)	Consider different measures of		
Model-7	Original + CDC SVI - MIncome- % DPP	social-economic-demographic measures		
Model-1	Original + % Diabetes			
Model-9	Original + % Adult smoking	Consider bealth factors		
Model-10	Original + % Adult obesity			
Model-11	Original + Food Environment Index			
Model-13	Empirical	Test parsimonious modes against the empirical selection of factors		
	Replacement: Original+ % Black or African American + SVI –			
Model-14	MIncome - % DPP	Test replacement of current factors		
Model-16	Combined: Original+ % Black or African American + SVI	Test addition of new factors		



Selected Models with Better Fit

Models	Average of Standardized Difference (Balance)
Model 13: Empirical	0.27
Model 16: Original+ % Black + SVI	0.27
Model 2: Original + % Black or African American	0.28
Model 14: Original+ % Black + SVI minus MIncome and DPP	0.28
Model 10: Original + % Adult Obesity	0.29
Model 5: Original + BLS healthcare wage index - MIncome	0.30
Model 1: Original + % Diabetes	0.30
Model 7: Original + SVI - MIncome- DPP	0.32
Model 6: Original + SVI	0.32
Model 11: Original + Food Environment Index	0.32
Refreshed: Same as Original, updated to 2022 data	0.33
Model 9: Original + % Adult Current Smokers	0.33
Original: Median household income (MIncome), % deep poverty(DPP), regional price parities (RPP), average HCC score (HCC)	0.34
	0.0

- Selecting different factors in matching algorithm does not change the balance statistics significantly.
- After initial analysis, we selected top four plus current model (refreshed)



Statewide results did not change much except for M14.

	Unadjusted Results						
	Original	Refreshed: Org+2022Update	M2: Org + % Black	M13: Empirical	M14: Org+%Black+SVI- MIncome-DPP	M16: Org+%Black+SVI	
MD Statewide average	\$ 14,143.39	\$ 14,159.70	\$ 14,159.70	\$ 14,159.70	\$ 14,159.70	\$ 14,159.70	
Benchmark average	\$ 13,024.95	\$ 12,330.87	\$ 12,428.36	\$ 12,173.94	\$ 12,178.24	\$ 12,338.54	
Difference	8.6%	14.8%	13.9%	16.3%	16.3%	14.8%	
			TCOC Regre	ession Adjusted Resu	lts		
Statewide average	\$ 12,746.36	\$ 13,543.31	\$ 13,418.44	\$ 13,854.53	\$ 13,949.95	\$ 13,593.13	
Benchmark average	\$ 11,657.24	\$ 12,214.54	\$ 12,232.40	\$ 11,849.76	\$ 11,933.49	\$ 12,158.11	
Difference	9.3%	10.9%	9.7%	16.9%	16.9%	11.8%	
Adjusted R-Square	0.13	0.17	0.17	0.35	0.02	0.24	



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County ranking changes were significant when model excludes median income (M13 and M14)

			change in Rankings Compared to Data Refresh with Original Factors						
		Refreshed:			M14: Org+%Black+SVI-	M16:			
	Original	Org+2022Update	M2: Org + % Black	M13: Empirical	MIncome-DPP	Org+%Black+SVI			
Montgomery	1	1	1	0	0	0			
Garrett	2	3	2	-1	-1	-1			
Calvert	3	4	0	2	2	0			
Charles	4	5	-2	3	8	1			
Prince George's	5	9	-1	-5	-2	-4			
Howard	6	2	-1	1	2	1			
St. Mary's	7	6	0	9	10	2			
Frederick	8	7	0	0	1	2			
Dorchester	9	18	-4	-4	-13	-8			
Anne Arundel	10	8	1	8	6	6			
Caroline	11	24	0	-6	-12	-8			
Washington	12	10	0	-5	-7	-3			
Kent	13	20	2	2	2	0			
Somerset	14	12	6	1	-2	3			
Queen Anne's	15	14	-1	-5	5	-2			
Cecil	16	11	0	6	0	2			
Carroll	17	16	0	-4	1	3			
Wicomico	18	15	-3	-5	-6	-4			
Allegany	19	22	-1	1	-4	1			
Harford	20	17	0	3	4	4			
Worcester	21	21	-1	-10	-6	-3			
Talbot	22	13	2	6	7	4			
Baltimore	23	19	0	2	4	3			
Baltimore City	24	23	0	1	1	1			

cost review commission

Proportion of Beneficiaries with No Primary Care Visits in the Previous 24 Months Relative to Benchmarks, by County MARYLAND (Current Benchmarks, PG is performing worse)



NEW: Tested inclusion of RPP In the models

Largest change in statewide results are with data updates (not methodology changes)

		Final Models									
(MD/Benchmarks)-1	Original	M0: Refreshed Org+2022Up date	M2: Org + % Black	M13: Empirical	M16: Org+%Black+SVI	V18: Refreshed with RPP in ГСОС regression					
TCOC Adjusted by HCC	8.6	% 14.8%	6 13.9%	6 16.3%	5 14.8%	14.8%					
TCOC Adjusted by HCC and Demograph	ics 9.3	% 10.9%	6 9.7%	6 16.9%	5 11.3%	11.6%					
TCOC Regression Adjusted R-Square	0.1	.3 0.17	0.17	0.35	0.24	0.20					
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County Rank Correlations

All models are highly correlated (Lowest correlation is M13)

	Original (Org), MIncome, Deep Poverty, RPP, HCC	M0: Refreshed Org+2022Update	M2: Org + ^o Black	% M13: Empiri	M16: cal Org+%Black+S\	M18:Refresh /I P in regressi	+RP on
Original	1		0.78	0.79	0.74	0.89	0.74
Refresh			1	0.96	0.77	0.87	0.97



Final Considerations

- Largest impact of the update is due to changes in demographic variables between 2016- 2022.
- Adding RPP to the TCOC regression has a minimum impact but aligns with benchmark selection process and regression approach.
 - We will examine addition of RPP with commercial results
- Adding % Black did not change rankings significantly. However, it may have unintended consequence of lowering quality benchmarks for counties as we balance high income with minority status.



Commercial Benchmarking



Commercial methods

Geographic Level

- Maryland counties are categorized into five regions.
- Each Maryland region is matched to the 20-peer group comparison (Metropolitan Statistical Areas (MSAs) in the same population density-total population category with the most similar values on the peer group selection variables.
- A Metropolitan Statistical Area (MSA) is a geographic region defined by the U.S. Office of Management and Budget (OMB) that consists of a core area with a large population nucleus and adjacent communities that are highly integrated economically and socially with the core.



Maryland Regions For Commercial Benchmarks

Keep the regional definitions same.



Population Density and Total Population Categories

		Population Density			
		First quartile	Second quartile	Third quartile	Fourth quartile
	<25%	49	34		
Total Population	25% to 75%	40 (MD2)	54 (MD3)	72	20
	>75%			17	66 (MD1, MD4, MD5)

- Non-Maryland MSAs and Maryland regions are categorized into population density – total population categories
 - (similar process is done for Medicare benchmarks at the county level)
- MD1, MD4, and MD5 have 66 MSAs to which they could be matched (same number of MSAs as current methodology)
- MD2 has 40 MSAs to which it could be matched (fewer than current methodology which has 69 MSAs)
- MD 3 has 54 MSAs to which it could be matched (fewer than current methodology which has 69 MSAs)

MD Region ID	County Name
MD1 (PG and	St. Mary's County, MD Calvert County, MD
Southern MD)	Charles County, MD Prince George's County, MD
MD2 (Western MD)	Allegany County, MD Garrett, MD Washington County, MD
MD3 (Eastern Shore)	Caroline, MD Dorchester, MD Kent, MD Talbot, MD Queen Anne's County, MD Somerset County, MD Wicomico County, MD Worcester County, MD
MD4 (Northern DC Suburbs)	Frederick County, MD Montgomery County, MD
MD5 (Baltimore Area)	Cecil Baltimore County, MD Harford County, MD Baltimore City, MD Anne Arundel County, MD Carroll County, MD Howard County, MD



Commercial methods

- In July 2023, the U.S. Census Bureau made updates to the Metropolitan/Micropolitan Statistical area delineations
- These updates resulted in changes to which counties map to MSAs and some MSA numbers
 - Makes it more difficult to assess differences in which MSAs map to Maryland regions when using the current versus the updated methodology
- These updates affect MSA values on peer group selection variables and have implications for which MSAs match to Maryland regions
- These updates do not affect Maryland regional values for peer group selection variables because they are a weighted average of Maryland <u>county</u> values



Step 1: Benchmark Selection Model Building



Testing Factors in Peer Group Selection Matching Algorithm

 Tested peer group selection models that emerged as promising during Medicare methodology testing

Model	Description
Original	1) HHS Platinum Risk Score, 2) Benefit Level, 3) Median Income, 4) Deep Poverty Percentage, 5) Regional Price Parity
M2: Original +%Black	Same as original + Percent Black
M13: Medicare Empirical	
M14: SVI and %Black	1) HHS Platinum Risk Score, 2) Benefit Level, 3) Percent Black, 4) SVI, and 5) Regional Price Parity
M16: Original +%Black + SVI	Same as original + Percent Black + SVI
M18: Original + RPP in normalization	Same as original



Empirical Approach for Model Building

- Step 1: Select wide range of variables considered to have a relationship with TCOC adjusted by HCC (kitchen sink)
- Step 2: Let a statistical technique called stepwise regression to chose final selection based on explanatory power of removing/or adding next variable
- Step 3: Review multicollinearity and revise step 1



Testing Factors in Peer Group Selection Matching Algorithm

• Conducted empirical stepwise regression of total risk score adjusted allowed charges on peer group selection variables

Model	Variables included in stepwise regression	Variables selected by stepwise regression
M20: Commercial Empirical_all	Variables included in Medicare stepwise regression: 1) Median Income, 2) RPP, 3) Percent Diabetes, 4) Percent Black, 5) Percent Hispanic, 6) Ambulatory Average Pay, 7) SVI overall, 8) SVI_2, and 9) SVI_4, 10) Percent Female	1) HHS Platinum Risk Score, 2) Benefit Level, 3) Median Income, 4) RPP, 5) Percent Diabetes, 6) Percent Black, 7) Percent Hispanic, 8) Ambulatory Average Pay, 9) SVI overall, 10)SVI_2, and 11) SVI_4
M21: Commercial Empirical_select	Variables remaining after removing highly correlated variables: 1) Median Income, 2) RPP, 3) Percent Diabetes, 4) Percent Black, 5) Percent Hispanic, 6) Ambulatory Average Pay, 7) SVI overall	1) Median Income, 2) Percent Black, 3) Ambulatory Average Pay, 4) Percent under 65 without insurance

- Used variables selected by stepwise regression as peer group matching variables
- Included HHS platinum risk score and benefit level in all peer group selection algorithm because included in normalization



Initial List of Factors in Empirical Modeling

Median Income has the highest correlation with TCOC and highly correlated with many other variables considered for matching.

Vertebler	Correlation with
variables	
med_income	0.40
ambul_avg_annual_pay	0.37
food_envir_index	0.36
all_avg_annual_pay	0.34
private_avg_annual_pay	0.34
rpp	0.33
diabetes_pct	-0.32
u65_no_insurance_pct	-0.32
rpl_theme1	-0.31
dpp	-0.29
rpl_themes	-0.27
black_pct	-0.26
rpl_theme2	-0.25
smoking_pct	-0.24
rpl_theme3	-0.12
hispanic_pct	-0.08
rpl_theme4	-0.05

	Correlation with Median
Variables	Income
rpp	0.82
all_avg_annual_pay	0.80
private_avg_annual_pay	0.78
food_envir_index	0.72
ambul_avg_annual_pay	0.43
rpl_theme3	0.22
hispanic_pct	0.06
rpl_theme4	-0.14
black_pct	-0.18
u65_no_insurance_pct	-0.37
rpl_themes	-0.40
rpl_theme1	-0.49
rpl_theme2	-0.51
diabetes_pct	-0.54
dpp	-0.60
smoking_pct	-0.79

Rpl = Social Vulnerability Index

Commercial Model Results Summary

- Similar to Medicare results, the largest impact appear to be due to demographic changes over time and (potentially revised MSA boundaries).
- Due to limited number of available MSAs to match MD regions, different models did not produce much variation in results.
- TCOC regression coefficients were not statistically significant, except for median income for most models.





Next Steps



TCOC Workplan for Upcoming Months

- Upcoming TCOC Workgroup Dates
 - April 23
 - 2025 Meeting Dates (Tentative) posted on <u>TCOC Workgroup Webpage</u>
- Upcoming Deadlines
 - High Value Care Plan Submission Deadline: March 28th, 2025
 - New Paradigms RFI Deadline: March 31st, 2025
 - Submit to hscrc.tcoc@maryland.gov
- Future Meetings Topics
 - April
 - Finalize Benchmarking



Upcoming Important CTI and EQIP Dates

- CTI
 - CTI Enrollment
 - Enrollment Webinar: March 19th Recording will be posted on <u>CRISP Learning System</u>
 - Open Enrollment: March 31st
 - Enrollment Close Date: May 31st
 - 2027 Program Change Discussion August 2025
- EQIP
 - EQIP Enrollment (Tentative)
 - Enrollment Webinar: Mid June
 - Open Enrollment: Beginning of July
 - Enrollment Close Date: End of August
 - EQIP Subgroup Meetings
 - March 21st (Program Changes), May 16th, Jul 18th, Sep 19th, Nov 21st



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Thank You Next Meeting April 23, 8-10 am

