## How the Total Performance Score (TPS) Becomes the Final Payment Adjustment

Expanded Home Health Value-Based Purchasing (HHVBP) Model



August 2022



## Care Points, Total Performance Score, and Payment Adjustment Series

This resource is the third in a series that describes quality measurement, performance, and payment adjustment methods. Resources in this series include:



These resources are available on the Expanded HHVBP Model webpage: <a href="https://innovation.cms.gov/innovation-models/expanded-home-health-value-based-purchasing-model">https://innovation.cms.gov/innovation-models/expanded-home-health-value-based-purchasing-model</a>

## Expanded HHVBP Model Payment Adjustment

- Home health services for Medicare fee-for-service (FFS) beneficiaries are paid under the Home Health Prospective Payment System (HH PPS).
- Beginning in calendar year (CY) 2025, HH PPS payments will be adjusted by up to 5% (upward or downward) based on CY 2023 home health agency (HHA) performance.
- HHVBP payment adjustment does not apply to Medicare Advantage payments.
- Payment adjustment is based on performance year Total Performance Score (TPS).
- Annual payment percentage and calculations are provided in the HHA's Annual Performance Report (APR).

## Components of the Expanded HHVBP Model: From Quality Care to Payment Adjustment

#### Data Submission: Quality Measures

- OASIS-based
- Claims-based
- HHCAHPS Surveybased

#### Total Performance Scoring Methodology

- Achievement Points
- Improvement Points
- Care Points
- Minimum Applicable Measures/Thresholds
- Measure Weighting

### Payment Adjustment Methodology

 Seven-Step Payment Methodology

#### Performance Feedback Reports

- Interim Performance Report (IPR)
- Annual Performance Report (APR)

Additional information and resources now available on the Expanded HHVBP Model webpage <a href="https://innovation.cms.gov/innovation-models/expanded-home-health-value-based-purchasing-model">https://innovation.cms.gov/innovation-models/expanded-home-health-value-based-purchasing-model</a>

## Payment Adjustment Methodology



### Linear Exchange Function (LEF)

- The amount that an HHA's payments will be adjusted is called the HHA Final TPS-adjusted payment percentage, or APP.
- A linear exchange function (LEF) is a mathematical function used to translate the TPS into the APP.
- The LEF is specific to a given payment year.
- The LEF is specific to the smaller-volume and largervolume HHA cohorts.

### Payment Adjustment Overview

Calculate Payment Year and Cohort-Specific LEF Ratio						
Step 1	Determine Prior Year Payment					
Step 2 Determine Unadjusted Payment Amount						
Step 3	Determine TPS-Adjusted Payment Amount					
Step 4 Calculate LEF Ratio for the Cohort						

## Apply LEF Ratio to Determine APP for Each HHA Stop 5 Determine HHA Final TPS-Adjusted Payment Ar

Step 5	Determine HHA Final TPS-Adjusted Payment Amount
Step 6	Determine HHA TPS-Adjusted Payment Percentage
Step 7	Determine HHA Final TPS-Adjusted Payment Percentage (APP)

### **APP Calculation Footnotes**

#### Step 1

Your HHA's total Medicare FFS home health claim payments from the prior year is shown in (C2). The total amount of prior year Medicare FFS home health claim payments for HHAs in your HHA's cohort is shown below the value for your HHA.

#### Step 2

The Unadjusted Payment Amount in (C3) is calculated by multiplying the 5% maximum payment percentage for CY 2023 by your Prior Year Payments in (C2). The total Unadjusted Payment Amount for all HHAs in your cohort is below the value for your HHA.

#### Step 3

The TPS-Adjusted Payment Amount (C4) is calculated by dividing your HHA's TPS in (C1) by 100 and multiplying it by the Unadjusted Payment Amount in (C3). The total **TPS-Adjusted Payment Amount** across all HHAs in your HHA's cohort is shown below the value for your HHA. Note that this cohort-level value is obtained by applying the calculation to each HHA in the cohort separately and then summing across the individual values (and thus is not exactly the same as applying the calculation for Step 3 to the cohort values for (C1) and (C3)).

#### Step 4

The Linear Exchange Function (LEF) ratio in (C5) is calculated by dividing the total cohort-level Unadjusted Payment Amount (C3) by the total cohort-level TPS-Adjusted Payment Amount (C4). This ratio is needed to ensure that the total TPS-Adjusted Payment Amount is equal to the total Unadjusted Payment Amount across all HHAs in your HHA's cohort. The LEF ratio is the same for each HHA in your HHA's cohort.



# APP Calculation Footnotes (continued)

#### Step 5

The Final TPS-Adjusted Payment Amount (C6) is calculated by multiplying the TPS-Adjusted Payment Amount (C4) by the LEF ratio (C5). The total Final TPS-Adjusted Payment Amount for all HHAs in your HHA's cohort is below the value for your HHA.

#### Step 6

The TPS-Adjusted Payment Percentage (C7) is calculated by dividing the Final TPS-Adjusted Payment Amount (C6) by your HHA's Prior Year Payment (C2). This represents the gross payment percentage applicable to your HHA without accounting for the 5% payment reduction.

#### Step 7

The Final TPS-Adjusted Payment Percentage (C8) is calculated by subtracting the 5% maximum payment adjustment percentage from the TPS-Adjusted Payment Percentage (C7). This percentage represents the overall payment percentage that will be applied to your CY 2025 Medicare FFS home health claim payments. A positive Final TPS-Adjusted Payment Percentage would result in increases to your CY 2025 Medicare FFS home health claim payments. A negative Final TPS-Adjusted Payment Percentage would result in reductions to your CY 2025 Medicare FFS home health claim payments. The Final TPS-Adjusted Payment Percentage (C8) is capped at 5%.



## Example - Cohort LEF Ratio

	Payment Adjustment Calculation								
	(C1)	Step 1 (C2)	Step 2 Step 3 (C4)		Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)	
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/ Total (C4)	Final TPS-Adjusted Payment Amount (C4) x (C5)	Pavment	Final TPS- Adjusted Payment Percentage (C7) -5%	
HHA 1	38	\$100,000	\$5,000	\$1,900	1.931	\$3,669	3.669%	-1.331%	
HHA 2	55	\$145,000	\$7,250	\$3,988	1.931	\$7,701	5.311%	0.311%	
HHA 3	22	\$800,000	\$40,000	\$8,800	1.931	\$16,995	2.124%	-2.876%	
HHA 4	85	\$653,222	\$32,661	\$27,762	1.931	\$53,614	8.208%	3.208%	
HHA 5	50	\$190,000	\$9,500	\$4,750	1.931	\$9,173	4.828%	-0.172%	
HHA 6	63	\$340,000	\$17,000	\$10,710	1.931	\$20,683	6.083%	1.083%	
HHA 7	74	\$660,000	\$33,000	\$24,420	1.931	\$47,160	7.146%	2.146%	
HHA 8	25	\$564,000	\$28,200	\$7,050	1.931	\$13,615	2.414%	-2.586%	
			\$172,611	\$89,379		\$172,611			
			Sum C3	Sum C4		Sum C6			



# Step 1: Determine the HHA Prior Year Payment (C2)

	Payment Adjustment Calculation									
	(C1)	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7		
	(C1)  Total  Performance  Score (TPS)	(C2) Prior Year Payment	(C3) Unadjusted Payment Amount 5% x (C2)	(C4) TPS-Adjusted Payment Amount (C1/100) x (C3)	(C5) Linear Exchange Function (LEF) Ratio Total (C3)/ Total (C4)	(C6) Final TPS-Adjusted Payment Amount (C4) x (C5)	Pavment	(C8) Final TPS- Adjusted Payment Percentage (C7) -5%		
HHA 1	38	\$100,000	\$5,000	\$1,900	1.931	\$3,669	3.669%	-1.331%		
HHA 2	55	\$145,000	\$7,250	\$3,988	1.931	\$7,701	5.311%	0.311%		
HHA 3	22	\$800,000	\$40,000	\$8,800	1.931	\$16,995	2.124%	-2.876%		
HHA 4	85	\$653,222	\$32,661	\$27,762	1.931	\$53,614	8.208%	3.208%		
HHA 5	50	\$190,000	\$9,500	\$4,750	1.931	\$9,173	4.828%	-0.172%		
HHA 6	63	\$340,000	\$17,000	\$10,710	1.931	\$20,683	6.083%	1.083%		
HHA 7	74	\$660,000	\$33,000	\$24,420	1.931	\$47,160	7.146%	2.146%		
HHA 8	25	\$564,000	\$28,200	\$7,050	1.931	\$13,615	2.414%	-2.586%		
			\$172,611	\$89,379		\$172,611				
			Sum C3	Sum C4		Sum C6				

# Step 2: Determine the HHA Unadjusted Payment Amount (C3)

	Payment Adjustment Calculation									
	(C1)	Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7		
	(C1)  Total  Performance  Score (TPS)	(C2) Prior Year Payment	(C3) Unadjusted Payment Amount 5% x (C2)	(C4) TPS-Adjusted Payment Amount (C1/100) x (C3)	(C5) Linear Exchange Function (LEF) Ratio Total (C3)/ Total (C4)	(C6) Final TPS-Adjusted Payment Amount (C4) x (C5)	Pavment	(C8) Final TPS- Adjusted Payment Percentage (C7) -5%		
HHA 1	38	\$100,000	\$5,000	\$1,900	1.931	\$3,669	3.669%	-1.331%		
HHA 2	55	\$145,000	\$7,250	\$3,988	1.931	\$7,701	5.311%	0.311%		
HHA 3	22	\$800,000	\$40,000	\$8,800	1.931	\$16,995	2.124%	-2.876%		
HHA 4	85	\$653,222	\$32,661	\$27,762	1.931	\$53,614	8.208%	3.208%		
HHA 5	50	\$190,000	\$9,500	\$4,750	1.931	\$9,173	4.828%	-0.172%		
HHA 6	63	\$340,000	\$17,000	\$10,710	1.931	\$20,683	6.083%	1.083%		
HHA 7	74	\$660,000	\$33,000	\$24,420	1.931	\$47,160	7.146%	2.146%		
HHA 8	25	\$564,000	\$28,200	\$7,050	1.931	\$13,615	2.414%	-2.586%		
			\$172,611	\$89,379		\$172,611				
			Sum C3	Sum C4		Sum C6				

# Step 3: Determine the HHA TPS-Adjusted Payment Amount (C4)

	Payment Adjustment Calculation									
		Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7		
	(C1)	(C2)	(C3)	(C4)	(C5)	(C6)	(C7)	(C8)		
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/ Total	Final TPS-Adjusted Payment Amount (C4) x (C5)	Pavment	Final TPS- Adjusted Payment Percentage		
					(C4)	40.000		(C7) -5%		
HHA 1	38	\$100,000	\$5,000	\$1,900	1.931	\$3,669	3.669%	-1.331%		
HHA 2	55	\$145,000	\$7,250	\$3 <i>,</i> 988	1.931	\$7,701	5.311%	0.311%		
HHA 3	22	\$800,000	\$40,000	\$8,800	1.931	\$16,995	2.124%	-2.876%		
HHA 4	85	\$653,222	\$32,661	\$27,762	1.931	\$53,614	8.208%	3.208%		
HHA 5	50	\$190,000	\$9,500	\$4,750	1.931	\$9,173	4.828%	-0.172%		
HHA 6	63	\$340,000	\$17,000	\$10,710	1.931	\$20,683	6.083%	1.083%		
HHA 7	74	\$660,000	\$33,000	\$24,420	1.931	\$47,160	7.146%	2.146%		
HHA 8	25	\$564,000	\$28,200	\$7,050	1.931	\$13,615	2.414%	-2.586%		
			\$172,611	\$89,379		\$172,611				
			Sum C3	Sum C4		Sum C6				

# Step 4: Calculate the Linear Exchange Function (LEF) Ratio (C5)

	Payment Adjustment Calculation									
	(C1)	Step 1 (C2)	Step 2 (C3)	Step 3 (C4)	Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)		
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/ Total (C4)	Final TPS-Adjusted Payment Amount (C4) x (C5)	TPS-Adjusted Payment	Final TPS- Adjusted Payment Percentage (C7) -5%		
HHA 1	38	\$100,000	\$5,000	\$1,900	1.931	\$3,669	3.669%	-1.331%		
HHA 2	55	\$145,000	\$7,250	\$3,988	1.931	\$7,701	5.311%	0.311%		
HHA 3	22	\$800,000	\$40,000	\$8,800	1.931	\$16,995	2.124%	-2.876%		
HHA 4	85	\$653,222	\$32,661	\$27,762	1.931	\$53,614	8.208%	3.208%		
HHA 5	50	\$190,000	\$9,500	\$4,750	1.931	\$9,173	4.828%	-0.172%		
HHA 6	63	\$340,000	\$17,000	\$10,710	1.931	\$20,683	6.083%	1.083%		
HHA 7	74	\$660,000	\$33,000	\$24,420	1.931	\$47,160	7.146%	2.146%		
HHA 8	25	\$564,000	\$28,200	\$7,050	1.931	\$13,615	2.414%	-2.586%		
			\$172,611 Sum C3	\$89,379 Sum C4		\$172,611 Sum C6				

## Results from Steps 1-4

#### **Annual Payment Adjustment Calculation**

	(C1)	Step 1 (C2)	Step 2 (C3)	Step 3 (C4)	Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/Total (C4)	•	TPS-Adjusted Payment Percentage (C6)/(C2)	Final TPS-Adjusted Payment Percentage (C7) -5%
Your HHA:	23.411	\$2,307,857	\$115,393	\$27,015	4.574	\$123,569	5.354%	0.354%
Your HHA's Cohort (all HHAs):	22.501	\$17,184,680,726	\$859,234,036	\$187,845,948	4.574	\$859,234,036	5.000%	-

TPS (23.411) – from Measure Scorecard tab. LEF Ratio (4.574) – calculated by CMS (in Steps 1-4).

Calculation steps are also shown on the Annual Payment Adjustment tab.



## Step 5: Determine HHA Final TPS-Adjusted Payment Amount

	Annual Payment Adjustment Calculation							
	(C1)	Step 1 (C2)	Step 2 (C3)	Step 3 (C4)	Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/Total (C4)	·	TPS-Adjusted Payment Percentage (C6)/(C2)	Final TPS-Adjusted Payment Percentage (C7) -5%
Your HHA:	23.411	\$2,307,857	\$115,393	\$27,015	4.574	\$123,569	5.354%	0.354%
Your HHA's Cohort (all HHAs):	22.501	\$17,184,680,726	\$859,234,036	\$187,845,948	4.574	\$859,234,036	5.000%	-

(C4) x (C5) = Final TPS-Adjusted Payment Amount

\$27,015 x 4.574 = \$123,569

Figures may not match exactly due to rounding of displayed results.

## Step 6: Determine HHA TPS-Adjusted Payment Percentage

	Annual Payment Adjustment Calculation							
	(C1)	Step 1 (C2)	Step 2 (C3)	Step 3 (C4)	Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/Total (C4)	•	TPS-Adjusted Payment Percentage (C6)/(C2)	Final TPS-Adjusted Payment Percentage (C7) -5%
Your HHA:	23.411	\$2.307.857	\$115,393	\$27,015	4.574	\$123.569	5.354%	0.354%
Your HHA's Cohort (all HHAs):	22.501	\$17,184,680,726	\$859,234,036	\$187,845,948	4.574	\$859,234,036	5.000%	-

(C6)/(C2) = TPS-Adjusted Payment Percentage

(\$123,569)/(\$2,307,857) \* 100% = 5.354%

Figures may not match exactly due to rounding of displayed results.

## Step 7: Determine HHA Final TPS-Adjusted Payment Percentage

	Annual Payment Adjustment Calculation							
	(C1)	Step 1 (C2)	Step 2 (C3)	Step 3 (C4)	Step 4 (C5)	Step 5 (C6)	Step 6 (C7)	Step 7 (C8)
	Total Performance Score (TPS)	Prior Year Payment	Unadjusted Payment Amount 5% x (C2)	TPS-Adjusted Payment Amount (C1/100) x (C3)	Linear Exchange Function (LEF) Ratio Total (C3)/Total (C4)	Final TPS-Adjusted Payment Amount (C4) x (C5)	TPS-Adjusted Payment Percentage (C6)/(C2)	Final TPS-Adjusted Payment Percentage (C7) -5%
Your HHA:	23.411	\$2,307,857	\$115,393	\$27,015	4.574	\$123,569	5.354%	0.354%
Your HHA's Cohort (all HHAs):	22.501	\$17,184,680,726	\$859,234,036	\$187,845,948	4.574	\$859,234,036	5.000%	-

(C7) - 5% = Final TPS-Adjusted Payment Percentage (APP)

5.354% - 5% = 0.354%

Figures may not match exactly due to rounding of displayed results.

Note: The Final TPS-Adjusted Payment Percentage is capped at +/- 5%.

### Expanded HHVBP Model Resources



## Expanded HHVBP Model Help Desks

HHVBP Model Help Desk	iQIES Help Desk
Questions related to implementation, measures, resources, HHVBP report content, or other questions related to the HHVBP Model.	Technical questions related to Internet Quality Improvement Evaluation System (iQIES) platform registration, navigation, or assistance with accessing reports.
Email: HHVBPquestions@lewin.com	Email: iQIES@cms.hhs.gov Web page: iQIES Help Phone: 1 (800) 339-9313

When sending an email to either help desk, please include the following information:

- Your first and last name
- Email address
- CCN(s) or Facility ID
- Facility/agency name and address
- If CCN or Facility ID is unknown, please include facility/agency name and zip code

Home Health Quality Reporting Program Help Desks	
Home Health Quality Help Desk	Home Health CAHPS
Questions related to: Home Health Quality, including Care Compare (excluding HHCAHPS), OASIS coding and OASIS documentation, Quality reporting requirements & deadlines, Data reported in quality reports, Measure calculations, Quality of Patient Care Star Rating (excluding suppression requests), Public reporting, Risk adjustment, and Quality Assessment Only (QAO)/Pay for Reporting (P4P).  Email: homehealthqualityquestions@cms.hhs.gov	Questions related to the Home Health CAHPS Survey or the Patient Survey Star Ratings.  Email: hhcahps@rti.org Phone: 1 (866) 354-0985

### Want to Learn More?



- Explore more resources on the <u>Expanded</u> <u>HHVBP Model Webpage</u>:
  - Frequently Asked Questions (updated monthly)
  - Expanded HHVBP Model Guide
  - "How Measure Performance Becomes Care Points" Instructional Video
  - "How Care Points Become the Total Performance Score (TPS)" Recording & Written Resource
  - "How the Total Performance Score (TPS) Becomes the Final Payment Adjustment" Recording & Written Resource
- Contact the HHVBP TA Help Desk <u>HHVBPquestions@lewin.com</u>
- Subscribe to the <u>HHVBP Model Expansion listserv</u>
- Refer to the CY 2022 HH PPS final rule



## Thank you!

