



EPIISODES OF CARE

2019 Episodes of Care Results

Results of Episodes of Care Program

CY 2015	CY 2016	CY 2017	CY 2018	CY 2019
<p><i>Estimated Savings*:</i> \$10.8 million</p> <ul style="list-style-type: none"> Providers and hospitals reduced costs while maintaining quality of care Gain sharing payments to providers exceeded risk sharing payments by \$280,000 <p>Includes the 3 episodes in performance in CY 2015</p>	<p><i>Estimated Savings*:</i> \$14.5 million</p> <ul style="list-style-type: none"> Quality metrics improved for perinatal, total joint replacement, and COPD, and were mostly maintained for the remaining episodes Gain sharing payments to providers exceeded risk sharing payments by \$395,000 <p>Includes the 8 episodes in performance in CY 2016</p>	<p><i>Estimated Savings*:</i> \$28.6 million</p> <ul style="list-style-type: none"> Quality metrics improved or maintained for most episodes Gain sharing payments to providers exceeded risk sharing payments by \$206,900 <p>Includes the 19 episodes in performance in CY 2017</p>	<p><i>Estimated Savings*:</i> \$38.3 million</p> <ul style="list-style-type: none"> Quality metrics improved or maintained for most episodes Gain sharing payments to providers exceeded risk sharing payments by \$686,000 <p>Includes the 27 episodes in performance in CY 2018</p>	<p><i>Estimated Savings*:</i> \$45.2 million</p> <ul style="list-style-type: none"> Quality metrics improved or maintained for most episodes Gain sharing payments totaled \$1.9 million Due to COVID-19, all risk-sharing payments have been waived for the 2019 performance period <p>Includes the 45 episodes in performance in CY 2019</p>

*Compared to 3% projected medical cost trend



SAVINGS RESULTS

2019 Episodes Savings

Episodes estimated savings for 2019 is approximately **\$45.2 million** due to episodes' risk-adjusted cost being less than projected medical trend of a 3% annual increase

Episode Type	Projected	Actual	Estimated Savings per Episode	Percent Savings per Episode	Number of Valid Episodes	Total Estimated Savings
Total	-	-	-	-	740,401	\$45,158,436
Perinatal	\$7,759	\$7,247	\$512	6.6%	20,457	\$10,473,905
Asthma Acute Exacerbation	\$1,365	\$841	\$525	38.4%	10,404	\$5,457,829
Total Joint Replacement	\$14,047	\$13,437	\$610	4.3%	269	\$164,073
Cholecystectomy	\$5,084	\$4,677	\$407	8.0%	1,392	\$567,197
Colonoscopy	\$1,215	\$932	\$283	23.3%	2,292	\$648,296
COPD	\$2,611	\$2,042	\$569	21.8%	3,461	\$1,968,560
Acute PCI	\$10,245	\$11,724	-\$1,479	-14.4%	217	-\$320,948
Non-acute PCI	\$7,568	\$8,237	-\$669	-8.8%	23	-\$15,386
GIH	\$3,894	\$4,081	-\$187	-4.8%	1,011	-\$188,569
EGD	\$1,323	\$1,110	\$212	16.1%	6,695	\$1,422,227
Respiratory Infection	\$132	\$109	\$23	17.5%	359,282	\$8,304,576
Pneumonia	\$1,337	\$1,305	\$32	2.4%	2,483	\$78,986
UTI-Outpatient	\$165	\$136	\$28	17.3%	31,520	\$896,832
UTI-Inpatient	\$4,459	\$3,632	\$828	18.6%	973	\$805,299
CHF acute exacerbation	\$6,277	\$5,926	\$351	5.6%	2,049	\$719,036
ODD	\$1,447	\$950	\$497	34.3%	1,734	\$861,408
CABG	\$31,502	\$30,673	\$829	2.6%	88	\$72,917
Valve Repair and Replacement	\$77,070	\$39,252	\$37,817	49.1%	6	\$226,904
Bariatric Surgery	\$8,559	\$9,119	-\$560	-6.5%	602	-\$337,230
ADHD	\$1,366	\$1,059	\$307	22.5%	20,925	\$6,432,977
Breast Biopsy	\$1,836	\$1,564	\$273	14.8%	656	\$178,821
Otitis Media	\$167	\$150	\$17	10.1%	116,374	\$1,968,796
Tonsillectomy	\$2,802	\$2,503	\$299	10.7%	5,825	\$1,740,388
SSTI	\$232	\$246	-\$14	-6.1%	39,440	-\$559,090
HIV	\$1,044	\$847	\$197	18.9%	1,530	\$301,377

2019 Episodes Savings

Episodes estimated savings for 2019 is approximately **\$45.2 million** due to episodes' risk-adjusted cost being less than projected medical trend of a 3% annual increase

Episode Type	Projected	Actual	Estimated Savings per Episode	Percent Savings per Episode	Number of Valid Episodes	Total Estimated Savings
Total	-	-	-	-	740,401	\$45,158,436
Pancreatitis	\$6,393	\$5,978	\$415	6.5%	437	\$181,429
Acute Diabetes Exacerbation	\$5,792	\$5,582	\$210	3.6%	717	\$150,333
Spinal Fusion	\$21,794	\$21,863	-\$69	-0.3%	371	-\$25,760
Spinal Decompression without Fusion	\$5,757	\$5,869	-\$112	-1.9%	119	-\$13,332
Femur/Pelvic Fracture	\$16,563	\$16,252	\$312	1.9%	88	\$27,428
Knee Arthroscopy	\$3,264	\$3,267	-\$3	-0.1%	847	-\$2,915
Non-operative Ankle Injury	\$327	\$335	-\$8	-2.5%	14,749	-\$121,668
Non-operative Wrist Injury	\$372	\$360	\$12	3.1%	7,900	\$92,560
Non-operative Shoulder Injury	\$349	\$355	-\$6	-1.6%	6,517	-\$36,013
Non-operative Knee Injury	\$409	\$409	\$0	0.1%	6,683	\$3,243
Back/Neck Pain	\$402	\$379	\$23	5.8%	46,777	\$1,092,518
Acute Seizure	\$1,503	\$1,460	\$43	2.9%	5,783	\$249,372
Syncope	\$681	\$622	\$58	8.6%	6,100	\$355,031
Bronchiolitis	\$665	\$651	\$14	2.1%	4,550	\$62,778
Pediatric Pneumonia	\$930	\$832	\$98	10.5%	3,170	\$309,595
Colposcopy	\$382	\$391	-\$10	-2.6%	2,815	-\$27,647
Hysterectomy	\$5,246	\$5,235	\$11	0.2%	712	\$7,846
Gastrointestinal Obstruction	\$9,143	\$7,831	\$1,312	14.3%	304	\$398,723
Appendectomy	\$5,273	\$5,151	\$122	2.3%	851	\$103,513
Hernia Repair	\$4,445	\$4,044	\$401	9.0%	1,203	\$482,218



QUALITY RESULTS

Episode Gain Sharing Quality Metrics – Wave 1

Wave 1 Episodes*	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019	Target Performance
Perinatal							
1. HIV Screening (≥ 85%)	90.2%	88.3%	87.7%	89.1%	92.8%	94.6%	Higher is better
2. Group B Streptococcus Screening (≥ 85%)	87.8%	85.9%	94.0%	95.5%	95.2%	96.7%	Higher is better
3. C-Section Rate (≤ 38%)	30.5%	31.6%	30.6%	31.2%	30.8%	29.9%	Lower is better
Asthma Acute Exacerbation							
1. Follow-up Visit with Physician (≥ 30%)	N/A**	N/A**	29.6%	30.3%	32.4%	30.8%	Higher is better
2. Patient on Appropriate Medication (≥ 60%)	N/A**	N/A**	60.3%	65.4%	69.5%	66.8%	Higher is better

Note: There are no quality metrics tied to gain sharing for the total joint replacement episode

*Valid episodes in 2019 performance period across all three MCOs

**There was a coding change to these quality metrics so there is no direct comparison



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 2

Wave 2 Episodes*	CY 2015	CY 2016	CY 2017	CY 2018	CY 2019	Target Performance
Cholecystectomy						
1. Hospitalization in Post-Trigger Window ($\leq 10\%$)	0.8%	1.0%	0.9%	0.3%	0.2%	<i>Lower is better</i>
COPD						
1. Follow-up Care Within Post-Trigger Window ($\geq 45\%$)	45.1%	46.7%	47.4%	46.7%	48.1%	<i>Higher is better</i>
Acute PCI						
1. Hospitalization in Post-Trigger Window ($\leq 10\%$)	1.0%	0.7%	0.7%	1.1%	0.9%	<i>Lower is better</i>
Non-acute PCI						
1. Hospitalization in Post-Trigger Window ($\leq 10\%$)	0.0%	1.6%	0.0%	0.0%	0.0%	<i>Lower is better</i>

Note: There are no quality metrics tied to gain sharing for the colonoscopy episode

*Valid episodes in 2019 performance period across all three MCOs




Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 3

Wave 3 Episodes*	CY 2016	CY 2017	CY 2018	CY 2019	Target Performance
GI Hemorrhage					
1. Follow-up Care Within Post-Trigger Window (≥ 45%)	49.0%	51.9%	50.1%	50.0%	Higher is better
Pneumonia					
1. Follow-up Care Within Post-Trigger Window (≥ 30%)	N/A**	N/A**	30.4%	30.4%	Higher is better
UTI-Inpatient					
1. Follow-up Care Within Post-Trigger Window (≥ 40%)	46.0%	43.5%	42.4%	41.1%	Higher is better
UTI-Outpatient					
1. Admission Within the Trigger Window for ED Triggered Episodes (≤ 5%)***	5.6%	6.1%	7.0%	6.3%	Lower is better
2. Admission Within the Trigger Window for Non-ED Triggered Episodes (≤ 5%)***	0.8%	1.0%	1.0%	1.0%	Lower is better

Note: There are no quality metrics tied to gain sharing for the EGD and respiratory infection episodes
 *Valid episodes in 2019 performance period across all three MCOs
 **There was a coding change to these quality metrics so there is no direct comparison
 ***This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes.



Green text = positive movement

Red text = negative movement

Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 4

Wave 4 Episodes*	CY 2016	CY 2017	CY 2018	CY 2019	Target Performance
Bariatric Surgery					
1. Follow-up Care Within Post-Trigger Window (≥ 30%)	35.6%	37.4%	43.3%	43.0%	Higher is better
CHF Acute Exacerbation					
1. Follow-up Care Within Post-Trigger Window (≥ 60%)	56.2%	57.2%	57.0%	56.0%	Higher is better
ODD					
1. Minimum Care Requirement (≥ 30%)	26.7%	35.8%	31.9%	30.7%	Higher is better
CABG					
1. Follow-up Care Within Post-Trigger Window (≥ 90%)	71.4%	70.0%	78.5%	81.6%	Higher is better
Valve Repair and Replacement					
1. Follow-up Care Within Post-Trigger Window (≥ 90%)	78.5%	77.7%	76.7%	100.0%	Higher is better
ADHD					
1. Minimum Care Requirement (≥ 70%)	N/A**	78.5%	78.8%	77.6%	Higher is better
2. Long-acting Stimulants for Members Aged 6 to 11 Years (≥ 80%)***	N/A**	83.1%	82.9%	83.6%	Higher is better
3. Long-acting Stimulants for Members Aged 12 to 20 Years (≥ 80%)***	N/A**	83.0%	83.1%	83.9%	Higher is better
4. Utilization of Therapy for Members Aged 4 and 5 Years (1 visit)***	N/A**	1.42	1.71	1.60	Higher is better

*Valid episodes in 2019 performance period across all three MCOs

**The preview period for the ADHD episode was 2017. The initial performance period for the ADHD episode was 2018

*** This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 5

Wave 5 Episodes*	CY 2017	CY 2018	CY 2019	Target Performance
Breast Biopsy				
1. Appropriate Diagnostic Workup Rate (≥ 90%)	82.8%	80.8%	85.1%	Higher is better
2. Core Needle Biopsy Rate (≥ 85%)**	77.5%	82.2%	92.0%	Higher is better
Tonsillectomy				
1. Bleeding Up to Two Days Following the Procedure (≤ 10%)	0.7%	0.5%	0.7%	Lower is better
Otitis Media				
1. Otitis Media with Effusion (OME) Episodes without Antibiotics Filled (≥ 25%)**	27.7%	26.2%	31.6%	Higher is better
2. Non-OME Episodes with Amoxicillin (≥ 60%)**	64.3%	66.9%	65.1%	Higher is better

*Valid episodes in 2019 performance period across all three MCOs

** This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 6

Wave 6 Episodes*	CY 2017	CY 2018	CY 2019	Target Performance
Skin and Soft Tissue Infection				
1. Bacterial Cultures when Incision and Drainage Performed (≥ 50%)**	42.4%	42.5%	40.7%	Higher is better
2. SSTI Episodes with a First Line Antibiotic (≥ 85%)**	97.7%	97.8%	98.0%	Higher is better
HIV				
1. Periodic anti-retroviral therapy (ART) refill (≥ 85%)	71.6%	73.1%	73.8%	Higher is better
Acute Diabetes Exacerbation				
1. Follow-up care in the first 14 days of the post-trigger window (≥ 30%)	25.4%	30.6%	30.3%	Higher is better
Pancreatitis				
1. Follow-up care in the first 14 days of the post-trigger window (≥ 35%)	31.9%	35.8%	30.7%	Higher is better

*Valid episodes in 2018 performance period across all three MCOs

**This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 7

Wave 7 Episodes*	CY 2018	CY 2019	Target Performance
Spinal Fusion			
1. Difference in Average MED/Day (≤ 8.0)	0.04	4.26**	Lower is better
Spinal Decompression without Fusion			
1. Difference in Average MED/Day (≤ 0.0)	1.38	5.71**	Lower is better
Femur/Pelvic Fracture			
1. Related follow-up care (≥ 30%)	6.8%	9.6%	Higher is better
2. Difference in Average MED/Day (≤ 8.0)	2.00	0.97	Lower is better
Knee Arthroscopy			
1. Difference in Average MED/Day (≤ 0.0)	-0.96	0.66	Lower is better
Non-operative Ankle Injury			
1. Difference in Average MED/Day (≤ 0.0)	0.02	0.38	Lower is better
Non-operative Wrist Injury			
1. Difference in Average MED/Day (≤ 0.0)	0.11	0.47	Lower is better
Non-operative Shoulder Injury			
1. Difference in Average MED/Day (≤ 0.0)	0.45	0.78	Lower is better
Non-operative Knee Injury			
1. Difference in Average MED/Day (≤ 0.0)	0.73	0.05	Lower is better
Back/Neck Pain			
1. Difference in Average MED/Day (≤ 0.0)	1.98	2.28	Lower is better

*Valid episodes in 2019 performance period across all three MCOs

**This quality metric is based on a formula related to opioid prescriptions. The increase for these metrics was driven by a few episode outliers that are being investigated and addressed by the Managed Care Organizations and aligned with TennCare’s overall opioid strategy. For more information on TennCare’s Opioid Strategy, please visit the following website - <https://www.tn.gov/tenncare/tenncare-s-opioid-strategy.html>



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 8

Wave 8 Episodes*	CY 2018	CY 2019	Target Performance
Acute Seizure			
1. Brain MRI Utilization in Focal Epilepsy ($\geq 10\%$)**	18.0%	18.7%	Higher is better
2. Prolonged EEG Monitoring Utilization in Newly Diagnosed Seizure ($\geq 10\%$)**	7.4%	5.7%	Higher is better
Syncope			
1. Carotid Ultrasound Imaging in Adults ($\leq 10\%$)**	5.8%	4.0%	Lower is better
Bronchiolitis			
1. Related Admission during the Post-Trigger Window ($\leq 10\%$)	1.1%	1.1%	Lower is better
2. Utilization of Bronchodilators ($\leq 30\%$)	14.4%	16.9%	Lower is better
3. Utilization of Steroids ($\leq 50\%$)	22.0%	22.4%	Lower is better
Pediatric Pneumonia			
1. Related Admission during the Post-Trigger Window ($\leq 10\%$)	1.3%	1.2%	Lower is better
2. Utilization of Macrolides in Patients Under 6 Years Old ($\leq 30\%$)**	19.7%	20.7%	Lower is better
3. Utilization of Narrow Spectrum Antibiotics ($\geq 50\%$)	52.0%	57.6%	Higher is better

*Valid episodes in 2019 performance period across all three MCOs

**This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement

Episode Gain Sharing Quality Metrics – Wave 8

Wave 8 Episodes*	CY 2018	CY 2019	Target Performance
Colposcopy			
1. LEEP Utilization Under 26 Years Old With No Evidence of High-Grade Dysplasia ($\leq 10\%$)**	4.2%	4.2%	Lower is better
2. LEEP Utilization with Low-grade Dysplasia ($\leq 10\%$)**	9.5%	7.0%	Lower is better
Hysterectomy			
1. Alternative Treatments ($\geq 20\%$)	31.0%	34.2%	Higher is better
2. Related Follow-up Care ($\geq 10\%$)	19.2%	20.1%	Higher is better
GI Obstruction			
1. Related Follow-up Care ($\geq 20\%$)	33.0%	32.6%	Higher is better
2. Difference in Average MED/Day (≤ 0.0)	4.13	3.31	Lower is better
Appendectomy			
1. Abdominopelvic CT Scans in Children ($\leq 50\%$)**	42.4%	36.9%	Lower is better
1. Difference in Average MED/Day (≤ 0.0)	-0.21	-0.09	Lower is better
Hernia Repair			
1. Difference in Average MED/Day (≤ 0.0)	0.12	0.63	Lower is better

*Valid episodes in 2019 performance period across all three MCOs

**This gain sharing quality metric applies to a subpopulation. As a result, the rate is not indicative of performance for all valid episodes



Green text = positive movement
 Red text = negative movement
 Black text = less than one percentage point or one point movement