



# STRATEGIC PLANNING & INNOVATION

2018 Episodes of Care Results

# Results of Episodes of Care Program

CY 2015	CY 2016	CY 2017	CY 2018
<p><i>Estimated Savings*:</i>  <b>\$10.8 million</b></p> <ul style="list-style-type: none"> <li>Providers and hospitals reduced costs while maintaining quality of care</li> <li>Gain sharing payments to providers exceeded risk sharing payments by <b>\$280,000</b></li> </ul> <p>Episodes included: perinatal, total joint replacement (TJR), acute asthma exacerbation (asthma)</p>	<p><i>Estimated Savings*:</i>  <b>\$14.5 million</b></p> <ul style="list-style-type: none"> <li>Quality metrics <b>improved</b> for perinatal, total joint replacement, and COPD, and were mostly maintained for the remaining episodes</li> <li>Gain sharing payments to providers exceeded risk sharing payments by <b>\$395,000</b></li> </ul> <p>Episodes included: perinatal, TJR, asthma, colonoscopy, acute PCI, non-acute PCI, cholecystectomy, COPD</p>	<p><i>Estimated Savings*:</i>  <b>\$28.6 million</b></p> <ul style="list-style-type: none"> <li>Quality metrics <b>improved</b> or maintained for most episodes</li> <li>Gain sharing payments to providers exceeded risk sharing payments by <b>\$206,900</b></li> </ul> <p>Episodes included: perinatal, TJR, asthma, colonoscopy, acute PCI, non-acute PCI, cholecystectomy (CHOLE), COPD, GI hemorrhage (GIH), EGD, respiratory infection (RI), pneumonia, UTI outpatient (UTI-O), UTI inpatient (UTI-I), CHF, ODD, CABG, valve, bariatric</p>	<p><i>Estimated Savings*:</i>  <b>\$38.3 million</b></p> <ul style="list-style-type: none"> <li>Quality metrics <b>improved</b> or maintained for most episodes</li> <li>Gain sharing payments to providers exceeded risk sharing payments by <b>\$686,000</b></li> </ul> <p>Episodes included: perinatal, TJR, asthma, colonoscopy, acute PCI, non-acute PCI, CHOLE, COPD, GIH, EGD, RI, pneumonia, UTI-O, UTI-I, CHF, ODD, CABG, valve, bariatric, ADHD, breast biopsy, otitis media, tonsillectomy, SSTI, HIV, pancreatitis, and acute diabetes exacerbation</p>

\*Estimated episode savings are calculated as the difference between actual cost and projected cost. The projected cost includes a 3 percent annual medical inflation rate for specialty care services provided in TennCare, confirmed by TennCare's actuaries.



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## **SAVINGS RESULTS**

# 2018 Episodes Savings

Episodes estimated savings for 2018 is approximately **\$38.3 million** due to episodes' risk-adjusted cost being less than projected medical trend of a 3% annual increase

	Projected	Actual	Estimated Savings per Episode	Percent Savings per Episode	Number of Valid Episodes	Total Estimated Savings
Total	-	-	-	-	<b>739,197</b>	<b>\$38,253,650</b>
Perinatal	\$7,533	\$6,900	\$632	9.2%	21,283	\$13,456,251
Acute Asthma Exacerbation	\$1,326	\$951	\$375	39.4%	11,298	\$4,235,643
Total Joint Replacement	\$13,638	\$12,432	\$1,207	9.7%	419	\$505,532
Cholecystectomy	\$4,936	\$4,627	\$309	6.7%	1,828	\$565,725
Colonoscopy	\$1,180	\$995	\$184	18.5%	2,776	\$511,264
COPD	\$2,535	\$2,099	\$436	20.8%	3,916	\$1,706,887
Acute PCI	\$9,947	\$10,633	-\$686	-6.5%	376	-\$258,034
Non-acute PCI	\$7,348	\$7,430	-\$82	-1.1%	125	-\$10,253
GIH	\$3,781	\$3,933	-\$152	-3.9%	1,309	-\$198,963
EGD	\$1,284	\$1,163	\$121	10.4%	7,650	\$926,970
Respiratory Infection	\$128	\$112	\$16	14.4%	421,079	\$6,776,796
Pneumonia	\$1,298	\$1,240	\$57	4.6%	2,825	\$162,329
UTI-Outpatient	\$160	\$137	\$23	16.4%	36,927	\$834,223
UTI-Inpatient	\$4,329	\$3,673	\$656	17.9%	1,260	\$826,774
CHF	\$6,094	\$5,887	\$206	3.5%	2,251	\$464,635
ODD	\$1,405	\$1,042	\$363	34.9%	2,000	\$726,499
CABG	\$30,584	\$27,426	\$3,158	11.5%	172	\$543,118
Valve Repair and Replacement	\$74,825	\$49,478	\$25,347	51.2%	73	\$1,850,354
Bariatric Surgery	\$8,310	\$9,092	-\$782	-8.6%	644	-\$503,718
ADHD	\$1,326	\$1,285	\$41	3.2%	25,695	\$1,059,918
Breast Biopsy	\$1,783	\$1,701	\$82	4.8%	969	\$79,306
Otitis Media	\$162	\$149	\$13	8.4%	137,276	\$1,731,699
Tonsillectomy	\$2,720	\$2,565	\$156	6.1%	6,264	\$975,411
Skin and Soft Tissue Infection	\$225	\$204	\$21	10.4%	47,286	\$1,000,952
Pancreatitis	\$6,207	\$5,747	\$459	8.0%	707	\$324,700
Acute Diabetes Exacerbation	\$5,623	\$5,530	\$94	1.7%	891	\$83,371
HIV	\$1,014	\$1,079	-\$65	-6.0%	1,898	-\$123,740



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## QUALITY RESULTS

# Episode Gain Sharing Quality Metrics – Wave 1

Wave 1 Episodes*	CY 2014	CY 2015	CY 2016	CY 2017	CY 2018	Target Performance
<b>Perinatal (21,283 valid episodes)**</b>						
1. HIV Screening (≥ 85%)	90.2%	88.3%	87.7%	89.1%	92.8%	↑
2. Group B Streptococcus Screening (≥ 85%)	87.8%	85.9%	94.0%	95.5%	95.2%	↑
3. C-Section Rate (≤ 41%)	30.5%	31.6%	30.6%	31.2%	30.8%	↓
<b>Acute Asthma Exacerbation (11,298 valid episodes)</b>						
1. Follow-up Visit with Physician (≥ 30%)	N/A	N/A***	29.6%	30.3%	32.4%	↑
2. Patient on Appropriate Medication (≥ 60%)	N/A	N/A***	60.3%	65.4%	69.5%	↑

\*There are no quality metrics tied to gain sharing for the total joint replacement episode

\*\*Valid episodes in 2018 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 movement

# Episode Gain Sharing Quality Metrics – Wave 2

Wave 2 Episodes*	CY 2015	CY 2016	CY 2017	CY 2018 Performance	Target
<b>Cholecystectomy (1,828 valid episodes)**</b>					
1. Hospitalization in Post-Trigger Window ( $\leq 10\%$ )	0.8%	1.0%	0.9%	0.3%	↓
<b>COPD (3,916 valid episodes)</b>					
1. Follow-up Care Within Post-Trigger Window ( $\geq 40\%$ )	45.1%	46.7%	47.4%	46.7%	↑
<b>Acute PCI (376 valid episodes)</b>					
1. Hospitalization in Post-Trigger Window ( $\leq 10\%$ )	1.0%	0.7%	0.7%	1.1%	↓
<b>Non-acute PCI (125 valid episodes)</b>					
1. Hospitalization in Post-Trigger Window ( $\leq 10\%$ )	0.0%	1.6%	0.0%	0.0%	↓

\*There are no quality metrics tied to gain sharing for the colonoscopy episode

\*\*Valid episodes in 2018 performance period across all three MCOs



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# Episode Gain Sharing Quality Metrics – Wave 3

Wave 3 Episodes*	CY 2016	CY 2017	CY 2018	Target Performance
<b>GI Hemorrhage (1,309 valid episodes)**</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 40%)	49.0%	51.9%	50.1%	↑
<b>Pneumonia (2,825 valid episodes)</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 30%)	N/A	N/A***	30.4%	↑
<b>UTI-Inpatient (1,260 valid episodes)</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 40%)	46.0%	43.5%	42.4%	↑
<b>UTI-Outpatient (36,927 valid episodes)</b>				
1. Admission Within the Trigger Window for ED Triggered Episodes (≤ 5%)****	5.6%	6.1%	7.0%	↓
2. Admission Within the Trigger Window for Non-ED Triggered Episodes (≤ 5%)****	0.8%	1.0%	1.0%	↓

\*There are no quality metrics tied to gain sharing for the EGD and respiratory infection episode

\*\*Valid episodes in 2018 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.



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# Episode Gain Sharing Quality Metrics – Wave 4

Wave 4 Episodes	CY 2016	CY 2017	CY 2018	Target Performance
<b>Bariatric Surgery (644 valid episodes)*</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 30%)	35.6%	37.4%	43.3%	↑
<b>CHF Acute Exacerbation (2,251 valid episodes)</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 60%)	56.2%	57.2%	57.0%	↑
<b>ODD (2,000 valid episodes)</b>				
1. Minimum Care Requirement (≥ 30%)	26.7%	35.8%	31.9%	↑
<b>CABG (172 valid episodes)</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 90%)	71.4%	70.0%	78.5%	↑
<b>Valve Repair and Replacement (73 valid episodes)</b>				
1. Follow-up Care Within Post-Trigger Window (≥ 90%)	78.5%	77.7%	76.7%	↑
<b>ADHD (25,695 valid episodes)</b>				
1. Minimum Care Requirement (≥ 70%)	N/A**	78.5%	78.8%	↑
2. Long-acting Stimulants for Members Aged 6 to 11 Years (≥ 80%)***	N/A**	83.1%	82.9%	↑
3. Long-acting Stimulants for Members Aged 12 to 20 Years (≥ 80%)***	N/A**	83.0%	83.1%	↑
4. Utilization of Therapy for Members Aged 4 and 5 Years (1 visit)***	N/A**	1.42	1.71	↑

\*Valid episodes in 2018 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.



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# Episode Gain Sharing Quality Metrics – Wave 5

Wave 5 Episodes	CY 2017	CY 2018	Target Performance
<b>Breast Biopsy (969 valid episodes)*</b>			
1. Appropriate Diagnostic Workup Rate (≥ 90%)	82.8%	80.8%	↑
2. Core Needle Biopsy Rate (≥ 85%)	77.5%	82.2%	↑
<b>Tonsillectomy (6,264 valid episodes)</b>			
1. Bleeding Up to Two Days Following the Procedure (≤ 10%)	0.7%	0.5%	↓
<b>Otitis Media (137,276 valid episodes)</b>			
1. Otitis Media with Effusion (OME) Episodes without Antibiotics Filled (≥ 25%)**	27.7%	26.2%	↑
2. Non-OME Episodes with Amoxicillin (≥ 60%)**	64.3%	66.9%	↑

\*Valid episodes in 2018 performance period across all three MCOs



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# Episode Gain Sharing Quality Metrics – Wave 6

Wave 6 Episodes	CY 2017	CY 2018	Target Performance
<b>Skin and Soft Tissue Infection (47,286 valid episodes)*</b>			
1. Bacterial Cultures when Incision and Drainage Performed (≥ 50%)**	42.4%	42.5%	↑
2. SSTI Episodes with a First Line Antibiotic (≥ 85%)**	97.7%	97.8%	↑
<b>HIV (1,898 valid episodes)</b>			
1. Periodic anti-retroviral therapy (ART) refill (≥ 85%)	71.6%	73.1%	↑
<b>Diabetes Acute Exacerbation (891 valid episodes)</b>			
1. Follow-up care in the first 14 days of the post-trigger window (≥ 30%)	25.4%	30.6%	↑
<b>Pancreatitis (707 valid episodes)</b>			
1. Follow-up care in the first 14 days of the post-trigger window (≥ 30%)	31.9%	35.8%	↑

\*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.



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