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To: Hospital CFOs
Cc: Case Mix Liaisons, Hospital Quality Contacts
From: Alyson Schuster, Ph.D., Associate Director, Performance Measurement
Date: June 22, 2016 - Revised
Re: Rate Year 2017 Quality Program and Potentially Avoidable Utilization Revenue Adjustments

This memorandum provides the hospital's final results and revenue adjustments applied for Rate Year 2017 for the Maryland Hospital Acquired Conditions Program (MHAC), Readmission Reduction Incentive Program (RRIP), and the Potentially Avoidable Utilization (PAU) Savings Policy. The final results and revenue adjustments for the Quality-Based Reimbursement (QBR) Program will not be available until end of August due to CMS Hospital Compare data release timeline; RY 2017 QBR updates are outlined below.

1. Maryland Hospital Acquired Conditions Program (MHAC)

The RY2017 MHAC results for attainment and improvement used base period data from fiscal year 2014 and performance period data from calendar year 2015. A workbook with the final MHAC results accompanies this memo and is posted on the CRISP Reporting Services (CRS) Portal.

Revenue adjustments for the MHAC program were determined based on hospital scores relative to a preset scale calculated using base period attainment scores. The statewide improvement rate in the all-payer risk-adjusted complications rate was 24.13%, which exceeded the statewide minimum improvement target of 7% and thus the preset scale with a maximum of 1% penalties and up to 1% rewards was used. The RY2017 hospital rewards are not limited to the penalties (i.e., the rewards and penalties are not revenue neutral). Appendix A shows the individual hospital scores and revenue impact. In total, the penalties are \$647,000 and rewards are \$29,256,690 for RY2017.

2. Readmission Reduction Incentive Program (RRIP)

At the June meeting, the Commission approved recommendations to change the RY 2017 RRIP retrospectively to measure hospital performance based on the better of attainment or improvement. This change was due to concerns about hospitals with low readmission rates having less opportunity for improvement.

Details regarding this change and the RY 2017 scaling are available in the final recommendation (<http://hscrc.maryland.gov/documents/commission-meeting/2016/06-08/HSCRC-Post-Meeting-Packet-2016-06-08.pdf>). Appendix B shows the individual hospital results and Appendix C shows the revenue impact. In total, the penalties are \$28,953,933 and rewards are \$12,407,867 for RY2017.

3. Potentially Avoidable Utilization (PAU) Savings Adjustments

At the June meeting, the Commission approved recommendations for the RY 2017 PAU Savings Policy adjustment. The main change to the PAU Savings Policy for RY 17 is that the savings measure aligns with the PAU definitions used in the market shift adjustments, which is comprised of readmissions and Prevention Quality Indicator (PQI) admissions (both of which are inclusive of observation cases that are greater than 23 hours). In addition to including PQIs in the savings methodology, aligning with PAU changes the focus of the readmissions measure from the “sending” hospital to the “receiving” hospital. The statewide savings percentage was approved at 1.25 percent, which is a 0.65 percent net reduction in RY 2017. Hospitals with higher socio-economic burden, as measured by percent of Medicaid/self-pay charity inpatient cases, receive the statewide average reduction if their savings adjustments are greater than the statewide average.

Details regarding PAU Shared Savings are available in the final recommendation (<http://hscrc.maryland.gov/documents/commission-meeting/2016/06-08/HSCRC-Post-Meeting-Packet-2016-06-08.pdf>). Appendix D shows the individual hospital PAU results and Appendix E shows the individual hospital PAU shared savings adjustments.

4. Quality-Based Reimbursement (QBR) Program

As mentioned above, the final QBR scores and revenue adjustments will not be available until the end of August. These final scores will include the following changes:

- The Patient Safety Index (PSI-90) score will be calculated using performance period data from October 2014 through September 2015 due to the ICD-10 conversion.
- In 2015, the NHSN changed the CAUTI definition to exclude all non-bacterial pathogens and therefore the CAUTI numbers from previous time periods are not comparable. As a result, we have decided to use the 2015 CAUTI data to assess attainment only. A revised threshold (0.5620) and benchmark (0.0000) for CAUTI were calculated using the Maryland 2015 data.

If you have any questions, please email the quality team at hscrc.quality@maryland.gov.

Appendix A. MHAC Hospital Scores and Revenue Impact of Scaling

Hospital Name	FY 16 Permanent Inpatient Revenue	MHAC score	% Adjustment	\$ Adjustment
MAXIMUM PENALTY			-1.00%	\$
PRINCE GEORGE	\$220,306,426	0.29	-0.25%	\$ (550,766)
WASHINGTON ADVENTIST	\$155,199,154	0.32	-0.06%	\$ (96,999)
SOUTHERN MARYLAND	\$156,564,761	0.36	0.00%	\$ -
JOHNS HOPKINS	\$1,244,297,900	0.41	0.00%	\$ -
BON SECOURS	\$74,789,724	0.40	0.00%	\$ -
G.B.M.C.	\$207,515,795	0.43	0.00%	\$ -
LAUREL REGIONAL	\$60,431,106	0.44	0.03%	\$ 16,333
DOCTORS COMMUNITY	\$132,614,778	0.44	0.03%	\$ 35,842
SHADY GROVE	\$220,608,397	0.47	0.11%	\$ 238,496
WESTERN MARYLAND HEALTH SYSTEM	\$167,618,972	0.47	0.11%	\$ 181,210
EASTON	\$101,975,577	0.50	0.19%	\$ 192,927
GOOD SAMARITAN	\$160,795,606	0.49	0.16%	\$ 260,750
ANNE ARUNDEL	\$291,882,683	0.49	0.16%	\$ 473,323
CARROLL COUNTY	\$136,267,434	0.50	0.19%	\$ 257,803
NORTHWEST	\$114,214,371	0.51	0.22%	\$ 246,950
MERITUS	\$190,659,648	0.51	0.22%	\$ 412,237
UNION MEMORIAL	\$238,195,335	0.51	0.22%	\$ 515,017
ATLANTIC GENERAL	\$37,750,252	0.53	0.27%	\$ 102,028
FREDERICK MEMORIAL	\$190,413,775	0.53	0.27%	\$ 514,632
HOWARD COUNTY	\$165,683,744	0.53	0.27%	\$ 447,794
CHARLES REGIONAL	\$67,052,911	0.54	0.30%	\$ 199,346
SUBURBAN	\$193,176,044	0.55	0.32%	\$ 626,517
UMMC MIDTOWN	\$126,399,313	0.57	0.38%	\$ 478,268
SINAI	\$415,350,729	0.58	0.41%	\$ 1,683,854
REHAB & ORTHO	\$64,134,443	0.59	0.43%	\$ 277,338
MONTGOMERY GENERAL	\$75,687,627	0.59	0.43%	\$ 327,298
BALTIMORE WASHINGTON MEDICAL CENTER	\$237,934,932	0.60	0.46%	\$ 1,093,215
MERCY	\$214,208,592	0.60	0.46%	\$ 984,202
UNION HOSPITAL OF CECIL COUNT	\$69,389,876	0.62	0.51%	\$ 356,326
ST. AGNES	\$232,266,274	0.62	0.51%	\$ 1,192,719
FRANKLIN SQUARE	\$274,203,013	0.63	0.54%	\$ 1,482,178
UM ST. JOSEPH	\$234,223,274	0.65	0.59%	\$ 1,392,679
UPPER CHESAPEAKE HEALTH HARBOR	\$135,939,076	0.66	0.62%	\$ 845,027
	\$113,244,592	0.66	0.62%	\$ 703,953

Hospital Name	FY 16 Permanent Inpatient Revenue	MHAC score	% Adjustment	\$ Adjustment
MAXIMUM PENALTY			-1.00%	\$
CHESTERTOWN	\$21,575,174	0.66	0.62%	\$ 134,116
UNIVERSITY OF MARYLAND	\$906,034,034	0.67	0.65%	\$ 5,876,978
HOLY CROSS	\$316,970,825	0.66	0.62%	\$ 1,970,359
HOPKINS BAYVIEW MED CTR	\$343,229,718	0.68	0.68%	\$ 2,319,120
PENINSULA REGIONAL	\$242,318,199	0.71	0.76%	\$ 1,833,759
ST. MARY	\$69,169,248	0.74	0.84%	\$ 579,526
DORCHESTER	\$26,999,062	0.74	0.84%	\$ 226,208
CALVERT	\$62,336,014	0.78	0.95%	\$ 589,665
HARFORD	\$45,713,956	0.77	0.92%	\$ 420,074
GARRETT COUNTY	\$19,149,148	0.81	1.00%	\$ 191,491
FT. WASHINGTON	\$19,674,774	0.90	1.00%	\$ 196,748
MCCREADY	\$2,815,158	1.00	1.00%	\$ 28,152

State Total	\$8,796,981,441
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State Total	\$ 29,256,690
Penalty	-\$647,766
% Inpatient	0.0%
Reward	\$29,904,456
% Inpatient	0.3%

Appendix B. RRIP Hospital Results

HOSPITAL NAME	FY 16 Permanent Inpatient Revenue	CY13			CY15			Percent Change In Case-mix Adjusted Rate
		YTD Case-mix Adjusted Readmission Rate	Total /Instate Medicare Readmission Rate	Case-mix Adjusted Rate With Out Of State Adjust	Case-mix Adjusted Rate	Total /Instate Medicare Readmission Rate	Case-mix Adjusted Rate With Out Of State Adjust	
ANNE ARUNDEL	\$291,882,683	13.00%	1.03	13.37%	12.14%	1.04	12.64%	-6.62%
ATLANTIC GENERAL	\$37,750,252	13.02%	1.09	14.15%	9.86%	1.11	10.91%	-24.27%
BALTIMORE WASHINGTON MEDICAL CENTER	\$237,934,932	15.29%	1.01	15.52%	13.97%	1.01	14.12%	-8.63%
BON SECOURS	\$74,789,724	20.47%	1.01	20.69%	15.93%	1.02	16.29%	-22.18%
CALVERT	\$62,336,014	10.61%	1.13	12.02%	9.42%	1.19	11.26%	-11.22%
CARROLL COUNTY	\$136,267,434	12.97%	1.02	13.20%	12.58%	1.02	12.81%	-3.01%
CHARLES REGIONAL	\$67,052,911	12.95%	1.10	14.19%	11.80%	1.13	13.30%	-8.88%
CHESTERTOWN	\$21,575,174	14.78%	1.05	15.51%	12.70%	1.07	13.65%	-14.07%
DOCTORS COMMUNITY	\$132,614,778	13.91%	1.06	14.70%	13.01%	1.09	14.20%	-6.47%
DORCHESTER	\$26,999,062	12.58%	1.14	14.38%	11.79%	1.14	13.43%	-6.28%
EASTON	\$101,975,577	11.66%	1.03	11.96%	12.44%	1.02	12.73%	6.69%
FRANKLIN SQUARE	\$274,203,013	14.05%	1.00	14.12%	13.06%	1.01	13.22%	-7.05%
FREDERICK MEMORIAL	\$190,413,775	11.51%	1.04	11.97%	10.98%	1.04	11.43%	-4.60%
FT. WASHINGTON	\$19,674,774	13.95%	1.28	17.84%	11.61%	1.30	15.09%	-16.77%
G.B.M.C.	\$207,515,795	11.94%	1.01	12.09%	11.39%	1.03	11.68%	-4.61%
GARRETT COUNTY	\$19,149,148	7.73%	1.38	10.65%	7.63%	1.28	9.73%	-1.29%
GOOD SAMARITAN	\$160,795,606	15.09%	1.01	15.17%	13.48%	1.01	13.61%	-10.67%
HARBOR	\$113,244,592	13.97%	1.01	14.10%	14.02%	1.01	14.18%	0.36%
HARFORD	\$45,713,956	12.44%	1.03	12.86%	11.07%	1.02	11.25%	-11.01%
HOLY CROSS	\$316,970,825	12.37%	1.09	13.49%	12.50%	1.09	13.61%	1.05%
HOPKINS BAYVIEW MED CTR	\$343,229,718	16.35%	1.02	16.65%	15.00%	1.02	15.30%	-8.26%
HOWARD COUNTY	\$165,683,744	12.92%	1.02	13.12%	12.79%	1.02	13.00%	-1.01%
JOHNS HOPKINS	\$1,244,297,900	15.44%	1.08	16.60%	14.51%	1.07	15.45%	-6.02%
LAUREL REGIONAL	\$60,431,106	14.81%	1.06	15.71%	14.49%	1.03	14.98%	-2.16%
MCCREADY	\$2,815,158	13.05%	1.00	13.05%	10.66%	1.00	10.66%	-18.31%
MERCY	\$214,208,592	15.60%	1.03	16.09%	12.99%	1.03	13.37%	-16.73%
MERITUS	\$190,659,648	12.61%	1.05	13.27%	12.95%	1.04	13.50%	2.70%
MONTGOMERY GENERAL	\$75,687,627	13.47%	1.05	14.15%	12.42%	1.03	12.82%	-7.80%
NORTHWEST	\$114,214,371	16.06%	1.00	16.13%	13.43%	1.02	13.63%	-16.38%
PENINSULA REGIONAL	\$242,318,199	11.93%	1.07	12.73%	11.55%	1.05	12.13%	-3.19%

HOSPITAL NAME	FY 16 Permanent Inpatient Revenue	CY13			CY15			Percent Change In Case-mix Adjusted Rate
		YTD Case-mix Adjusted Readmission Rate	Total /Instate Medicare Readmission Rate	Case-mix Adjusted Rate With Out Of State Adjust	Case-mix Adjusted Rate	Total /Instate Medicare Readmission Rate	Case-mix Adjusted Rate With Out Of State Adjust	
PRINCE GEORGE	\$220,306,426	11.56%	1.26	14.56%	12.28%	1.22	15.02%	6.23%
REHAB & ORTHO	\$64,134,443	9.70%	1.00	9.70%	9.49%	1.00	9.49%	-2.16%
SHADY GROVE	\$220,608,397	11.89%	1.06	12.63%	11.40%	1.06	12.10%	-4.12%
SINAI	\$415,350,729	15.24%	1.01	15.33%	13.42%	1.01	13.55%	-11.94%
SOUTHERN MARYLAND	\$156,564,761	12.77%	1.21	15.42%	12.31%	1.25	15.35%	-3.60%
ST. AGNES	\$232,266,274	14.93%	1.01	15.03%	13.59%	1.00	13.65%	-8.98%
ST. MARY	\$69,169,248	13.43%	1.11	14.96%	11.67%	1.10	12.89%	-13.10%
SUBURBAN	\$193,176,044	12.15%	1.07	13.06%	11.54%	1.11	12.83%	-5.02%
UM ST. JOSEPH	\$234,223,274	12.69%	1.01	12.83%	11.44%	1.01	11.60%	-9.85%
UMMC MIDTOWN	\$126,399,313	17.74%	1.01	17.86%	16.35%	1.02	16.60%	-7.84%
UNION HOSPITAL OF CECIL COUNT	\$69,389,876	10.90%	1.16	12.61%	12.79%	1.20	15.35%	17.34%
UNION MEMORIAL	\$238,195,335	15.31%	1.01	15.43%	12.81%	1.01	12.92%	-16.33%
UNIVERSITY OF MARYLAND	\$906,034,034	15.30%	1.05	15.99%	14.01%	1.04	14.53%	-8.43%
UPPER CHESAPEAKE HEALTH	\$135,939,076	12.71%	1.01	12.87%	11.78%	1.01	11.94%	-7.32%
WASHINGTON ADVENTIST	\$155,199,154	12.13%	1.14	13.86%	12.33%	1.14	14.04%	1.65%
WESTERN MARYLAND HEALTH SYSTEM	\$167,618,972	13.16%	1.07	14.14%	12.83%	1.08	13.84%	-2.51%
STATE	\$8,796,981,441	13.89%			12.90%			-7.13%
						Benchmark	12.12%	
Rehab and Ortho Revenue is adjusted to 16% of total FY 16 Permanent Inpatient Revenue								
Percentages have been rounded for display. Final numbers are calculated using full values.								

Appendix C. RRIP Revenue Impact of Scaling

HOSPITAL NAME	FY 16 Permanent Inpatient Revenue	Percent Change Case-mix Adjusted Rate	Improvement Scaling				Attainment Scaling				Final Adjustment	
			Target	Over/Under Target	FY 17 Scaling	FY 17 Adjustment	Target (Best % 25 in CY15)	Over/Under Target	FY 17 Scaling	FY 17 Adjustment	FY17 Better of Attainment/Improvement	FY 17 Scaling %
			D	E=C-D	F	G	H	I	J	K		
ANNE ARUNDEL	\$291,882,683	-6.62%	-9.3%	2.7%	-0.29%	-\$856,386	12.12%	4.2%	-0.46%	-\$1,354,253	-\$856,386	-0.29%
ATLANTIC GENERAL	\$37,750,252	-24.27%	-9.3%	-15.0%	1.00%	\$377,503	12.12%	-10.0%	1.00%	\$377,503	\$377,503	1.00%
BALTIMORE WASHINGTON MEDICAL CENTER	\$237,934,932	-8.63%	-9.3%	0.7%	-0.07%	-\$173,421	12.12%	16.5%	-1.81%	-\$4,295,530	-\$173,421	-0.07%
BON SECOURS	\$74,789,724	-22.18%	-9.3%	-12.9%	1.00%	\$747,897	12.12%	34.4%	-2.00%	-\$1,495,794	\$747,897	1.00%
CALVERT	\$62,336,014	-11.22%	-9.3%	-1.9%	0.22%	\$137,271	12.12%	-7.1%	0.82%	\$511,094	\$511,094	0.82%
CARROLL COUNTY	\$136,267,434	-3.01%	-9.3%	6.3%	-0.69%	-\$937,201	12.12%	5.7%	-0.62%	-\$849,303	-\$849,303	-0.62%
CHARLES REGIONAL	\$67,052,911	-8.88%	-9.3%	0.4%	-0.05%	-\$30,756	12.12%	9.7%	-1.06%	-\$710,464	-\$30,756	-0.05%
CHESTERTOWN	\$21,575,174	-14.07%	-9.3%	-4.8%	0.55%	\$118,368	12.12%	12.6%	-1.38%	-\$296,956	\$118,368	0.55%
DOCTORS COMMUNITY	\$132,614,778	-6.47%	-9.3%	2.8%	-0.31%	-\$410,140	12.12%	17.2%	-1.87%	-\$2,485,928	-\$410,140	-0.31%
DORCHESTER	\$26,999,062	-6.28%	-9.3%	3.0%	-0.33%	-\$89,117	12.12%	10.8%	-1.18%	-\$318,231	-\$89,117	-0.33%
EASTON	\$101,975,577	6.69%	-9.3%	16.0%	-1.75%	-\$1,782,013	12.12%	5.0%	-0.55%	-\$559,610	-\$559,610	-0.55%
FRANKLIN SQUARE	\$274,203,013	-7.05%	-9.3%	2.3%	-0.25%	-\$675,389	12.12%	9.0%	-0.99%	-\$2,709,023	-\$675,389	-0.25%
FREDERICK MEMORIAL	\$190,413,775	-4.60%	-9.3%	4.7%	-0.51%	-\$977,105	12.12%	-5.7%	0.65%	\$1,241,139	\$1,241,139	0.65%
FT. WASHINGTON	\$19,674,774	-16.77%	-9.3%	-7.5%	0.86%	\$169,027	12.12%	24.5%	-2.00%	-\$393,495	\$169,027	0.86%
G.B.M.C.	\$207,515,795	-4.61%	-9.3%	4.7%	-0.51%	-\$1,064,485	12.12%	-3.6%	0.42%	\$862,993	\$862,993	0.42%
GARRETT COUNTY	\$19,149,148	-1.29%	-9.3%	8.0%	-0.88%	-\$167,557	12.12%	-19.7%	1.00%	\$191,491	\$191,491	1.00%
GOOD SAMARITAN	\$160,795,606	-10.67%	-9.3%	-1.4%	0.16%	\$253,081	12.12%	12.3%	-1.34%	-\$2,160,914	\$253,081	0.16%
HARBOR	\$113,244,592	0.36%	-9.3%	9.7%	-1.06%	-\$1,195,307	12.12%	17.0%	-1.85%	-\$2,100,202	-\$1,195,307	-1.06%
HARFORD	\$45,713,956	-11.01%	-9.3%	-1.7%	0.20%	\$90,002	12.12%	-7.2%	0.82%	\$375,722	\$375,722	0.82%
HOLY CROSS	\$316,970,825	1.05%	-9.3%	10.4%	-1.13%	-\$3,585,730	12.12%	12.3%	-1.34%	-\$4,255,157	-\$3,585,730	-1.13%
HOPKINS BAYVIEW MED CTR	\$343,229,718	-8.26%	-9.3%	1.0%	-0.11%	-\$391,289	12.12%	26.2%	-2.00%	-\$6,864,594	-\$391,289	-0.11%
HOWARD COUNTY	\$165,683,744	-1.01%	-9.3%	8.3%	-0.91%	-\$1,501,802	12.12%	7.2%	-0.79%	-\$1,305,876	-\$1,305,876	-0.79%
JOHNS HOPKINS	\$1,244,297,900	-6.02%	-9.3%	3.3%	-0.36%	-\$4,455,925	12.12%	27.5%	-2.00%	-\$24,885,958	-\$4,455,925	-0.36%
LAUREL REGIONAL	\$60,431,106	-2.16%	-9.3%	7.1%	-0.78%	-\$471,514	12.12%	23.6%	-2.00%	-\$1,208,622	-\$471,514	-0.78%
MCCREADY	\$2,815,158	-18.31%	-9.3%	-9.0%	1.00%	\$28,152	12.12%	-12.1%	1.00%	\$28,152	\$28,152	1.00%
MERCY	\$214,208,592	-16.73%	-9.3%	-7.4%	0.85%	\$1,829,580	12.12%	10.3%	-1.12%	-\$2,406,100	\$1,829,580	0.85%
MERITUS	\$190,659,648	2.70%	-9.3%	12.0%	-1.31%	-\$2,499,678	12.12%	11.4%	-1.24%	-\$2,373,364	-\$2,373,364	-1.24%
MONTGOMERY GENERAL	\$75,687,627	-7.80%	-9.3%	1.5%	-0.16%	-\$124,483	12.12%	5.8%	-0.63%	-\$477,301	-\$124,483	-0.16%

HOSPITAL NAME	FY 16 Permanent Inpatient Revenue	Percent Change Case-mix Adjusted Rate	Improvement Scaling				Attainment Scaling				Final Adjustment	
			Target	Over/Under Target	FY 17 Scaling	FY 17 Adjustment	Target (Best % 25 in CY15)	Over/Under Target	FY 17 Scaling	FY 17 Adjustment	FY17 Better of Attainment/Improvement	FY 17 Scaling %
			D	E=C-D	F	G	H	I	J	K		
NORTHWEST	\$114,214,371	-16.38%	-9.3%	-7.1%	0.81%	\$928,955	12.12%	12.5%	-1.36%	-\$1,558,385	\$928,955	0.81%
PENINSULA REGIONAL	\$242,318,199	-3.19%	-9.3%	6.1%	-0.67%	-\$1,619,362	12.12%	0.0%	0.00%	-\$12,085	-\$12,085	0.00%
PRINCE GEORGE	\$220,306,426	6.23%	-9.3%	15.5%	-1.70%	-\$3,738,798	12.12%	23.9%	-2.00%	-\$4,406,129	-\$3,738,798	-1.70%
REHAB & ORTHO	\$64,134,443	-2.16%	-9.3%	7.1%	-0.78%	-\$80,018	12.12%	-21.7%	1.00%	\$102,615	\$102,615	0.16%
SHADY GROVE	\$220,608,397	-4.12%	-9.3%	5.2%	-0.57%	-\$1,248,641	12.12%	-0.1%	0.02%	\$34,713	\$34,713	0.02%
SINAI	\$415,350,729	-11.94%	-9.3%	-2.6%	0.30%	\$1,261,452	12.12%	11.8%	-1.29%	-\$5,356,564	\$1,261,452	0.30%
SOUTHERN MARYLAND	\$156,564,761	-3.60%	-9.3%	5.7%	-0.62%	-\$974,946	12.12%	26.7%	-2.00%	-\$3,131,295	-\$974,946	-0.62%
ST. AGNES	\$232,266,274	-8.98%	-9.3%	0.3%	-0.04%	-\$82,444	12.12%	12.6%	-1.38%	-\$3,199,462	-\$82,444	-0.04%
ST. MARY	\$69,169,248	-13.10%	-9.3%	-3.8%	0.44%	\$302,515	12.12%	6.3%	-0.69%	-\$478,252	\$302,515	0.44%
SUBURBAN	\$193,176,044	-5.02%	-9.3%	4.3%	-0.47%	-\$903,478	12.12%	5.8%	-0.63%	-\$1,226,246	-\$903,478	-0.47%
UM ST. JOSEPH	\$234,223,274	-9.85%	-9.3%	-0.6%	0.06%	\$148,146	12.12%	-4.3%	0.49%	\$1,146,807	\$1,146,807	0.49%
UMMC MIDTOWN	\$126,399,313	-7.84%	-9.3%	1.5%	-0.16%	-\$202,322	12.12%	36.9%	-2.00%	-\$2,527,986	-\$202,322	-0.16%
UNION HOSPITAL OF CECIL COUNT	\$69,389,876	17.34%	-9.3%	26.6%	-2.00%	-\$1,387,798	12.12%	26.6%	-2.00%	-\$1,387,798	-\$1,387,798	-2.00%
UNION MEMORIAL	\$238,195,335	-16.33%	-9.3%	-7.0%	0.81%	\$1,924,508	12.12%	6.6%	-0.72%	-\$1,708,986	\$1,924,508	0.81%
UNIVERSITY OF MARYLAND	\$906,034,034	-8.43%	-9.3%	0.9%	-0.09%	-\$860,116	12.12%	19.9%	-2.00%	-\$18,120,681	-\$860,116	-0.09%
UPPER CHESAPEAKE HEALTH	\$135,939,076	-7.32%	-9.3%	2.0%	-0.22%	-\$294,598	12.12%	-1.5%	0.18%	\$238,931	\$238,931	0.18%
WASHINGTON ADVENTIST	\$155,199,154	1.65%	-9.3%	10.9%	-1.20%	-\$1,857,099	12.12%	15.9%	-1.73%	-\$2,689,949	-\$1,857,099	-1.20%
WESTERN MARYLAND HEALTH SYSTEM	\$167,618,972	-2.51%	-9.3%	6.8%	-0.74%	-\$1,244,301	12.12%	14.2%	-1.55%	-\$2,593,274	-\$1,244,301	-0.74%
STATE	\$8,796,981,441	-7.13%	-9.3%			-\$27,566,763				-\$106,792,606	-\$16,164,453	
Total Penalties Statewide						-\$35,883,218				-\$111,903,766	-\$28,810,995	
% Inpatient						0.00%				0.00%	0.00%	
Total Rewards Statewide						\$8,316,456				\$5,111,159	\$12,646,542	
% Inpatient						0.00%				0.00%	0.00%	

Rehab and Ortho Revenue is adjusted to 16% of total FY 16 Permanent Inpatient Revenue
Percentages have been rounded for display. Final numbers are calculated using full values.

Appendix D. Rate Year 2017 PAU Results by Hospital

Hospital Name	CY15 Total Charges	CY15 PAU charges			CY15 PAU charges %		
		PQI	Readmissions	Total PAU	PQI	Readmissions	Total PAU
ANNE ARUNDEL	\$570,855,517	\$22,800,713	\$29,160,807	\$51,961,520	3.99%	5.11%	9.10%
ATLANTIC GENERAL	\$103,203,409	\$5,289,682	\$3,923,136	\$9,212,817	5.13%	3.80%	8.93%
BALTIMORE WASHINGTON MEDICAL CENTER	\$408,705,920	\$25,715,721	\$37,767,812	\$63,483,533	6.29%	9.24%	15.53%
BON SECOURS	\$109,974,958	\$6,153,974	\$13,945,635	\$20,099,610	5.60%	12.68%	18.28%
CALVERT	\$144,510,623	\$9,462,288	\$7,307,746	\$16,770,033	6.55%	5.06%	11.60%
CARROLL COUNTY	\$256,050,214	\$16,952,341	\$19,007,732	\$35,960,073	6.62%	7.42%	14.04%
CHARLES REGIONAL	\$151,942,028	\$10,527,954	\$11,555,973	\$22,083,927	6.93%	7.61%	14.53%
CHESTERTOWN	\$59,963,436	\$4,875,571	\$3,337,104	\$8,212,676	8.13%	5.57%	13.70%
DOCTORS COMMUNITY	\$229,235,939	\$15,512,191	\$22,674,721	\$38,186,912	6.77%	9.89%	16.66%
DORCHESTER	\$54,823,272	\$6,114,157	\$5,539,166	\$11,653,322	11.15%	10.10%	21.26%
EASTON	\$189,688,991	\$11,391,420	\$11,386,525	\$22,777,945	6.01%	6.00%	12.01%
FRANKLIN SQUARE	\$502,509,327	\$30,322,227	\$47,555,925	\$77,878,153	6.03%	9.46%	15.50%
FREDERICK MEMORIAL	\$357,484,480	\$17,419,577	\$21,070,747	\$38,490,324	4.87%	5.89%	10.77%
FT. WASHINGTON	\$48,120,521	\$4,386,780	\$2,856,573	\$7,243,354	9.12%	5.94%	15.05%
G.B.M.C.	\$439,464,425	\$14,561,475	\$22,161,356	\$36,722,831	3.31%	5.04%	8.36%
GARRETT COUNTY	\$46,557,060	\$3,055,007	\$1,262,758	\$4,317,765	6.56%	2.71%	9.27%
GOOD SAMARITAN	\$297,631,706	\$17,246,654	\$29,783,236	\$47,029,890	5.79%	10.01%	15.80%
HARBOR	\$203,418,315	\$10,504,422	\$16,352,823	\$26,857,244	5.16%	8.04%	13.20%
HARFORD	\$104,298,069	\$8,295,363	\$10,352,097	\$18,647,460	7.95%	9.93%	17.88%
HOLY CROSS	\$486,435,981	\$20,336,487	\$38,695,718	\$59,032,205	4.18%	7.95%	12.14%
HOLY CROSS GERMANTOWN	\$68,074,962	\$5,228,128	\$5,669,091	\$10,897,219	7.68%	8.33%	16.01%
HOPKINS BAYVIEW MED CTR	\$593,304,337	\$24,453,258	\$47,781,178	\$72,234,436	4.12%	8.05%	12.17%
HOWARD COUNTY	\$289,804,185	\$14,043,199	\$21,711,151	\$35,754,350	4.85%	7.49%	12.34%
JOHNS HOPKINS	\$2,250,072,025	\$43,168,270	\$167,448,247	\$210,616,517	1.92%	7.44%	9.36%
LAUREL REGIONAL	\$92,437,391	\$4,899,557	\$7,707,312	\$12,606,869	5.30%	8.34%	13.64%

Hospital Name	CY15 Total Charges	CY15 PAU charges			CY15 PAU charges %		
		PQI	Readmissions	Total PAU	PQI	Readmissions	Total PAU
LEVINDALE	\$57,916,905		\$3,876,731	\$3,876,731	0.00%	6.69%	6.69%
MCCREADY	\$14,319,597	\$706,857	\$361,001	\$1,067,858	4.94%	2.52%	7.46%
MERCY	\$504,299,472	\$10,650,050	\$19,592,805	\$30,242,855	2.11%	3.89%	6.00%
MERITUS	\$319,232,579	\$16,673,964	\$22,547,250	\$39,221,213	5.22%	7.06%	12.29%
MONTGOMERY GENERAL	\$170,561,915	\$8,411,778	\$12,371,233	\$20,783,011	4.93%	7.25%	12.19%
NORTHWEST	\$254,341,622	\$18,261,499	\$23,205,921	\$41,467,420	7.18%	9.12%	16.30%
PENINSULA REGIONAL	\$426,406,584	\$22,759,532	\$27,494,285	\$50,253,816	5.34%	6.45%	11.79%
PRINCE GEORGE	\$280,260,999	\$15,470,508	\$23,258,046	\$38,728,554	5.52%	8.30%	13.82%
REHAB & ORTHO	\$104,349,588		\$321,173	\$321,173	0.00%	0.31%	0.31%
SHADY GROVE	\$389,811,779	\$14,436,822	\$26,084,201	\$40,521,023	3.70%	6.69%	10.40%
SINAI	\$722,620,488	\$24,011,970	\$45,645,726	\$69,657,695	3.32%	6.32%	9.64%
SOUTHERN MARYLAND	\$264,274,046	\$20,563,034	\$25,086,440	\$45,649,474	7.78%	9.49%	17.27%
ST. AGNES	\$420,111,009	\$25,381,035	\$35,015,335	\$60,396,370	6.04%	8.33%	14.38%
ST. MARY	\$169,501,643	\$9,332,757	\$9,455,340	\$18,788,097	5.51%	5.58%	11.08%
SUBURBAN	\$301,410,230	\$10,491,074	\$19,537,389	\$30,028,463	3.48%	6.48%	9.96%
UM ST. JOSEPH	\$409,520,840	\$11,772,780	\$21,634,782	\$33,407,563	2.87%	5.28%	8.16%
UMMC MIDTOWN	\$202,152,326	\$8,761,847	\$24,857,098	\$33,618,945	4.33%	12.30%	16.63%
UNION HOSPITAL OF CECIL COUNT	\$159,164,353	\$10,649,498	\$10,657,452	\$21,306,950	6.69%	6.70%	13.39%
UNION MEMORIAL	\$405,213,352	\$16,380,768	\$29,757,091	\$46,137,859	4.04%	7.34%	11.39%
UNIVERSITY OF MARYLAND	\$1,530,362,144	\$27,888,113	\$95,930,557	\$123,818,670	1.82%	6.27%	8.09%
UPPER CHESAPEAKE HEALTH	\$324,140,153	\$16,348,630	\$21,661,665	\$38,010,295	5.04%	6.68%	11.73%
WASHINGTON ADVENTIST	\$261,952,100	\$13,201,322	\$21,466,346	\$34,667,668	5.04%	8.19%	13.23%
WESTERN MARYLAND HEALTH SYSTEM	\$326,470,182	\$14,500,566	\$20,487,721	\$34,988,287	4.44%	6.28%	10.72%
Grand Total	\$16,076,961,000	\$669,370,820	\$1,146,320,157	\$1,815,690,977	4.16%	7.13%	11.29%

Rehab and Ortho Revenue is adjusted to 16% of total FY 16 Permanent Inpatient Revenue

Percentages have been rounded for display. Final numbers are calculated using full values. Total charges are different than permanent total revenue.

A combined PAU percent is used for Holy Cross and Holy Cross Germantown for savings but results are presented separately for reference

Appendix E. Rate Year 2017 PAU Savings Adjustments by Hospital

Hospital Name	FY16 Permanent Total Revenue	CY15 PAU %	FY17 Shared Savings Adjustment Before Protections		CY 15 % ECMAD Inpatient Medicaid and Self-Pay Charity	FY17 Shared Savings Adjustment with Medicaid Protection		FY2016 Shared Savings Adjustment	Net Impact to RY 2017 Inflation Factor	Net RY 17 Revenue Impact
			Adjustment	Revenue Impact		Adjustment	Revenue Impact			
ANNE ARUNDEL	\$553,902,629	9.10%	-1.04%	-\$5,776,774	12.02%	-1.04%	-\$5,776,774	-0.54%	-0.50%	-\$2,769,513
ATLANTIC GENERAL	\$100,960,082	8.93%	-1.02%	-\$1,032,629	11.51%	-1.02%	-\$1,032,629	-0.36%	-0.66%	-\$666,337
BALTIMORE WASHINGTON MEDICAL CENTER	\$396,558,220	15.53%	-1.78%	-\$7,057,541	17.26%	-1.78%	-\$7,057,541	-0.64%	-1.14%	-\$4,520,764
BON SECOURS	\$122,434,137	18.28%	-2.09%	-\$2,563,850	57.59%	-1.29%	-\$1,584,298	-0.60%	-0.69%	-\$844,796
CALVERT	\$140,329,390	11.60%	-1.33%	-\$1,865,860	16.42%	-1.33%	-\$1,865,860	-0.33%	-1.00%	-\$1,403,294
CARROLL COUNTY	\$245,978,519	14.04%	-1.61%	-\$3,958,120	13.83%	-1.61%	-\$3,958,120	-0.54%	-1.07%	-\$2,631,970
CHARLES REGIONAL	\$143,315,213	14.53%	-1.67%	-\$2,386,640	16.36%	-1.67%	-\$2,386,640	-0.54%	-1.13%	-\$1,619,462
CHESTERTOWN	\$53,997,130	13.70%	-1.57%	-\$847,354	12.40%	-1.57%	-\$847,354	-0.49%	-1.08%	-\$583,169
DOCTORS COMMUNITY	\$226,236,757	16.66%	-1.91%	-\$4,318,086	19.33%	-1.91%	-\$4,318,086	-0.56%	-1.35%	-\$3,054,196
DORCHESTER	\$49,366,715	21.26%	-2.44%	-\$1,202,307	23.82%	-2.44%	-\$1,202,307	-0.42%	-2.02%	-\$997,208
EASTON	\$192,089,981	12.01%	-1.38%	-\$2,642,856	17.33%	-1.38%	-\$2,642,856	-0.52%	-0.86%	-\$1,651,974
FRANKLIN SQUARE	\$488,282,513	15.50%	-1.78%	-\$8,670,397	26.69%	-1.29%	-\$6,318,376	-0.60%	-0.69%	-\$3,369,149
FREDERICK MEMORIAL	\$350,725,799	10.77%	-1.23%	-\$4,326,716	11.03%	-1.23%	-\$4,326,716	-0.50%	-0.73%	-\$2,560,298
FT. WASHINGTON	\$46,558,629	15.05%	-1.72%	-\$802,982	22.44%	-1.72%	-\$802,982	-0.42%	-1.31%	-\$609,918
G.B.M.C.	\$423,026,290	8.36%	-0.96%	-\$4,050,196	9.86%	-0.96%	-\$4,050,196	-0.41%	-0.55%	-\$2,326,645
GARRETT COUNTY	\$45,640,340	9.27%	-1.06%	-\$484,974	19.56%	-1.06%	-\$484,974	-0.24%	-0.82%	-\$374,251
GOOD SAMARITAN	\$283,376,592	15.80%	-1.81%	-\$5,130,445	18.27%	-1.81%	-\$5,130,445	-0.67%	-1.14%	-\$3,230,493
HARBOR	\$190,199,181	13.20%	-1.51%	-\$2,877,242	33.92%	-1.29%	-\$2,461,177	-0.60%	-0.69%	-\$1,312,374
HARFORD	\$100,472,983	17.88%	-2.05%	-\$2,058,207	17.98%	-2.05%	-\$2,058,207	-0.42%	-1.63%	-\$1,637,710
HOLY CROSS	\$473,189,703	12.61%	-1.44%	-\$6,837,249	22.07%	-1.44%	-\$6,837,249	-0.68%	-0.77%	-\$3,643,561
HOLY CROSS GERMANTOWN	\$88,000,000	12.61%	-1.44%	-\$1,271,536	23.98%	-1.44%	-\$1,271,536	0.00%	-1.44%	-\$1,267,200
HOPKINS BAYVIEW MED CTR	\$610,423,590	12.17%	-1.39%	-\$8,515,191	29.07%	-1.29%	-\$7,898,881	-0.60%	-0.69%	-\$4,211,923
HOWARD COUNTY	\$284,424,840	12.34%	-1.41%	-\$4,020,574	14.15%	-1.41%	-\$4,020,574	-0.57%	-0.84%	-\$2,389,169
JOHNS HOPKINS	\$2,178,990,299	9.36%	-1.07%	-\$23,369,402	23.04%	-1.07%	-\$23,369,402	-0.73%	-0.35%	-\$7,626,466
LAUREL REGIONAL	\$101,288,035	13.64%	-1.56%	-\$1,582,756	30.05%	-1.29%	-\$1,310,667	-0.60%	-0.69%	-\$698,887
LEVINDALE	\$56,735,025	6.69%	-0.77%	-\$435,119	5.24%	-0.77%	-\$435,119	0.00%	-0.77%	-\$436,860
MCCREADY	\$14,230,659	7.46%	-0.85%	-\$121,592	15.80%	-0.85%	-\$121,592	-0.19%	-0.66%	-\$93,922
MERCY	\$491,288,212	6.00%	-0.69%	-\$3,375,724	24.65%	-0.69%	-\$3,375,724	-0.52%	-0.17%	-\$835,190
MERITUS	\$309,029,336	12.29%	-1.41%	-\$4,350,206	18.68%	-1.41%	-\$4,350,206	-0.60%	-0.81%	-\$2,503,138
MONTGOMERY GENERAL	\$168,451,048	12.19%	-1.40%	-\$2,351,779	15.18%	-1.40%	-\$2,351,779	-0.50%	-0.90%	-\$1,516,059
NORTHWEST	\$247,056,826	16.30%	-1.87%	-\$4,615,117	20.26%	-1.87%	-\$4,615,117	-0.63%	-1.24%	-\$3,063,505
PENINSULA REGIONAL	\$413,594,890	11.79%	-1.35%	-\$5,584,916	18.17%	-1.35%	-\$5,584,916	-0.53%	-0.82%	-\$3,391,478

Hospital Name	FY16 Permanent Total Revenue	CY15 PAU %	FY17 Shared Savings Adjustment Before Protections		CY 15 % ECMAD Inpatient Medicaid and Self-Pay Charity	FY17 Shared Savings Adjustment with Medicaid Protection		FY2016 Shared Savings Adjustment	Net Impact to RY 2017 Inflation Factor	Net RY 17 Revenue Impact
			Adjustment	Revenue Impact		Adjustment	Revenue Impact			
PRINCE GEORGE	\$278,868,894	13.82%	-1.58%	-\$4,415,349	45.39%	-1.29%	-\$3,608,563	-0.56%	-0.74%	-\$2,063,630
REHAB & ORTHO	\$117,875,574	0.31%	-0.04%	-\$6,651	21.52%	-0.01%	-\$6,651	-0.30%	0.29%	\$341,839
SHADY GROVE	\$374,624,719	10.40%	-1.19%	-\$4,461,883	19.77%	-1.19%	-\$4,461,883	-0.53%	-0.66%	-\$2,472,523
SINAI	\$698,636,216	9.64%	-1.10%	-\$7,716,249	24.05%	-1.10%	-\$7,716,249	-0.66%	-0.44%	-\$3,073,999
SOUTHERN MARYLAND	\$265,443,855	17.27%	-1.98%	-\$5,253,518	22.30%	-1.98%	-\$5,253,518	-0.59%	-1.39%	-\$3,689,670
ST. AGNES	\$413,273,339	14.38%	-1.65%	-\$6,807,387	21.56%	-1.65%	-\$6,807,387	-0.60%	-1.05%	-\$4,339,370
ST. MARY	\$168,090,518	11.08%	-1.27%	-\$2,134,757	18.69%	-1.27%	-\$2,134,757	-0.38%	-0.89%	-\$1,496,006
SUBURBAN	\$290,002,663	9.96%	-1.14%	-\$3,310,346	7.54%	-1.14%	-\$3,310,346	-0.58%	-0.56%	-\$1,624,015
UM ST. JOSEPH	\$384,647,527	8.16%	-0.93%	-\$3,595,241	11.84%	-0.93%	-\$3,595,241	-0.54%	-0.40%	-\$1,538,590
UMMC MIDTOWN	\$223,767,089	16.63%	-1.91%	-\$4,263,810	45.63%	-1.29%	-\$2,895,546	-0.60%	-0.69%	-\$1,543,993
UNION HOSPITAL OF CECIL COUNT	\$153,588,495	13.39%	-1.53%	-\$2,355,757	28.09%	-1.29%	-\$1,987,435	-0.36%	-0.93%	-\$1,428,373
UNION MEMORIAL	\$411,630,821	11.39%	-1.30%	-\$5,370,044	17.67%	-1.30%	-\$5,370,044	-0.62%	-0.68%	-\$2,799,090
UNIVERSITY OF MARYLAND	\$1,289,991,934	8.09%	-0.93%	-\$11,958,459	29.89%	-0.93%	-\$11,958,459	-0.60%	-0.33%	-\$4,256,973
UPPER CHESAPEAKE HEALTH	\$319,063,053	11.73%	-1.34%	-\$4,286,879	10.86%	-1.34%	-\$4,286,879	-0.49%	-0.86%	-\$2,743,942
WASHINGTON ADVENTIST	\$253,346,309	13.23%	-1.52%	-\$3,841,613	31.92%	-1.29%	-\$3,278,301	-0.60%	-0.69%	-\$1,748,090
WESTERN MARYLAND HEALTH SYSTEM	\$312,666,774	10.72%	-1.23%	-\$3,839,345	15.60%	-1.23%	-\$3,839,345	-0.58%	-0.65%	-\$2,032,334
Total	\$15,545,671,343	11.29%	-1.29%	-\$201,160,987	21.05%		-\$194,358,907	-0.59%	-0.67%	-\$104,349,635
Statewide Revenue Impact							-1.250%			
Top Percentile					24.00%					
Rehab and Ortho Revenue is adjusted to 16% of total FY 16 Permanent Inpatient Revenue										
A combined PAU percent is used for Holy Cross and Holy Cross Germantown										