

# Change in Case-mix Index: Calculation and Comparison

Base Period 7/02-6/03 vs. Current Period 7/03-06/04

Health Services Cost Review Commission  
4160 Patterson Avenue  
Baltimore, MD 21215  
Released : October 12, 2004

## Change in Case-mix Index

This report contains information on the calculation and change in hospital and State-wide case-mix indexes for the base period (7/02-6/03) as well as the current period (7/03-06/04). The calculations were performed using data that have been grouped with two types of case-mix groupers (“Modified Maryland DRG grouper” and the APR\_DRG grouper). The “Modified Maryland DRG grouper” was used to classify all hospital cases with the exception of the following hospitals where the APR\_DRG grouper was used: University of Maryland Hospital, Johns Hopkins, Johns Hopkins Cancer Center, University of Maryland Cancer Center, Sinai Hospital, Sinai Oncology and University of Maryland Shock Trauma Center.

Table 1 presents changes in case-mix indexes at “Level 1” and “Total” by hospital for the base and current periods, as well as the “Adjusted % Change.” Tables two and three detail the calculations of case-mix indexes by hospital for the base period and the current period respectively.

### **Comparison:**

#### **Twelve months ending June 2003 (Current Period) to twelve months ending June 2004 (Base Period)**

- Statewide case-mix index at “Level 1” increased 1.11% (from 1.008563 to 1.019740).
- Total statewide case-mix index increased 1.74% (from 1.048024 to 1.066311).
- “Level 1 Revenue” increased 11.07% (from \$5,289,461,312 to \$5,875,153,799).
- “Trimmed Charges” increased 63.50% (from \$101,577,732 to \$166,076,520).
- “Categorical Revenue” increased 9.04% (from \$263,034,312 to \$286,807,786).

**TABLE 1**  
**CHANGE IN CHARGE PER CASE "CASEMIX INDEX", BASE PERIOD 07/02 - 06/03 VS.**  
**CURRENT PERIOD 07/03 - 06/04**

HOSPID	HOSPITAL NAME	BASE PERIOD 07/02 - 06/03		CURRENT PERIOD 07/03 - 06/04		ACTUAL % CHANGE		ADJUSTED % CHANGE	
		CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI
210001	Washington County Hospital	0.965963	0.967501	0.981052	0.981606	1.56%	1.46%	1.48%	1.37%
210002	Univ. of Maryland Medical System	1.458889	1.703462	1.504216	1.734802	3.11%	1.84%	2.79%	1.57%
210003	Prince Georges Hospital	0.977735	1.059126	0.975692	1.066746	-0.21%	0.72%	-0.21%	0.72%
210004	Holy Cross Hospital of Silver Spring	0.779664	0.786019	0.786551	0.793805	0.88%	0.99%	0.88%	0.99%
210005	Frederick Memorial Hospital	0.835239	0.835939	0.851245	0.853788	1.92%	2.14%	1.78%	2.00%
210006	Harford Memorial Hospital	0.844314	0.854355	0.862343	0.868780	2.14%	1.69%	1.97%	1.52%
210007	St. Josephs Hospital	1.257273	1.271534	1.229901	1.277454	-2.18%	0.47%	-2.00%	0.64%
210008	Mercy Medical Center, Inc.	0.881862	0.885703	0.886199	0.891613	0.49%	0.67%	0.49%	0.67%
210009	Johns Hopkins Hospital	1.464191	1.616095	1.516478	1.696188	3.57%	4.96%	3.19%	4.61%
210010	Dorchester General Hospital	0.840699	0.842647	0.833056	0.835123	-0.91%	-0.89%	-0.91%	-0.89%
210011	St. Agnes Hospital	0.978697	0.986880	0.999262	1.017861	2.10%	3.14%	1.94%	2.98%
210012	Sinai Hospital	1.249725	1.294369	1.261336	1.315808	0.93%	1.66%	0.93%	1.66%
210013	Bon Secours Hospital	1.045166	1.048448	1.027222	1.029745	-1.72%	-1.78%	-1.61%	-1.68%
210015	Franklin Square Hospital	0.895859	0.901888	0.916285	0.922680	2.28%	2.31%	2.09%	2.11%
210016	Washington Adventist Hospital	1.128373	1.138966	1.116722	1.158206	-1.03%	1.69%	-1.03%	1.69%
210017	Garrett County Memorial Hospital	0.794073	0.794073	0.814784	0.814784	2.61%	2.61%	2.37%	2.37%
210018	Montgomery General Hospital	0.875293	0.877567	0.904722	0.913400	3.36%	4.08%	3.01%	3.73%
210019	Peninsula Regional Medical Center	1.140968	1.143187	1.145322	1.168935	0.38%	2.25%	0.38%	2.25%
210022	Suburban Hospital Association, Inc	1.150767	1.156888	1.135743	1.145883	-1.31%	-0.95%	-1.26%	-0.91%
210023	Anne Arundel General Hospital	0.877262	0.878801	0.888278	0.889478	1.26%	1.21%	1.22%	1.18%
210024	Union Memorial Hospital	1.345769	1.355123	1.324311	1.352537	-1.59%	-0.19%	-1.51%	-0.10%
210025	The Memorial Hospital	0.856937	0.856937	0.879938	0.883350	2.68%	3.08%	2.43%	2.83%
210027	Sacred Heart Hospital	1.126608	1.126927	1.144006	1.164682	1.54%	3.35%	1.46%	3.27%
210028	St. Marys Hospital	0.689869	0.691446	0.686903	0.686903	-0.43%	-0.66%	-0.43%	-0.66%
210029	Johns Hopkins Bayview Med. Center	0.956105	1.146147	0.940645	1.148918	-1.62%	0.24%	-1.52%	0.31%
210030	Chester River Hospital Center	0.892092	0.892828	0.887147	0.887147	-0.55%	-0.64%	-0.55%	-0.64%
210032	Union Hospital of Cecil County	0.779404	0.780100	0.786781	0.789742	0.95%	1.24%	0.95%	1.24%

**TABLE 1**  
**CHANGE IN CHARGE PER CASE "CASEMIX INDEX", BASE PERIOD 07/02 - 06/03 VS.**  
**CURRENT PERIOD 07/03 - 06/04**

HOSPID	HOSPITAL NAME	BASE PERIOD 07/02 - 06/03		CURRENT PERIOD 07/03 - 06/04		ACTUAL % CHANGE		ADJUSTED % CHANGE	
		CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI	CMI (LEVEL I)	TOTAL CMI
210033	Carroll County General Hospital	0.835980	0.836246	0.829065	0.831450	-0.83%	-0.57%	-0.83%	-0.57%
210034	Harbor Hospital Center	0.856211	0.857711	0.878263	0.883500	2.58%	3.01%	2.34%	2.77%
210035	Civista Medical Center	0.801313	0.801710	0.810173	0.812843	1.11%	1.39%	1.09%	1.37%
210037	Memorial Hospital at Easton	0.818690	0.820413	0.836394	0.836518	2.16%	1.96%	1.99%	1.79%
210038	Maryland General Hospital	1.012786	1.013930	1.000115	1.001952	-1.25%	-1.18%	-1.21%	-1.14%
210039	Calvert Memorial Hospital	0.758417	0.758818	0.753641	0.755396	-0.63%	-0.45%	-0.63%	-0.45%
210040	Northwest Hospital Center, Inc.	1.009135	1.009470	1.032786	1.033575	2.34%	2.39%	2.14%	2.19%
210043	North Arundel General Hospital	1.016108	1.019622	1.034791	1.037791	1.84%	1.78%	1.71%	1.66%
210044	Greater Baltimore Medical Center	0.856290	0.859720	0.846029	0.849723	-1.20%	-1.16%	-1.17%	-1.13%
210045	McCready Foundation, Inc.	0.805914	0.805914	0.781986	0.781986	-2.97%	-2.97%	-2.67%	-2.67%
210048	Howard County General Hospital	0.768932	0.771528	0.786421	0.792902	2.27%	2.77%	2.08%	2.58%
210049	Upper Chesapeake Medical Center	0.803247	0.804464	0.833655	0.838070	3.79%	4.18%	3.37%	3.76%
210051	Doctors Community Hospital	1.029172	1.035003	1.011219	1.016303	-1.74%	-1.81%	-1.63%	-1.70%
210054	Southern Maryland Hospital	0.879182	0.879428	0.911688	0.913124	3.70%	3.83%	3.29%	3.43%
210055	Laurel Regional Hospital	0.870272	0.873567	0.886067	0.889967	1.82%	1.88%	1.69%	1.76%
210056	Good Samaritan Hospital	1.238489	1.242134	1.190661	1.195617	-3.86%	-3.74%	-3.43%	-3.32%
210057	Shady Grove Adventist Hospital	0.803005	0.805671	0.820072	0.827819	2.13%	2.75%	1.96%	2.58%
210058	James Lawrence Kernan Hospital	1.826742	2.059170	1.723128	1.972877	-5.67%	-4.19%	-4.97%	-3.68%
210060	Fort Washington Medical Center	0.895545	0.895545	0.874617	0.875626	-2.34%	-2.22%	-2.14%	-2.02%
210061	Atlantic General Hospital	0.956080	0.956080	1.015393	1.017467	6.20%	6.42%	5.42%	5.64%
210080	Sinai Oncology	1.654488	1.821728	1.667531	1.806677	0.79%	-0.83%	0.79%	-0.83%
210904	Johns Hopkins Oncology Center	1.674495	2.704063	1.732622	2.731451	3.47%	1.01%	3.10%	0.88%
218994	University (UMCC)	1.243739	3.043071	1.370118	2.734555	10.16%	-10.14%	8.79%	-10.38%
218992	University (MIEMSS)	1.018901	0.675363	1.046629	0.772655	2.72%	14.41%	2.46%	14.22%
	STATEWIDE	1.008563	1.048024	1.019740	1.066311	1.11%	1.74%	1.03%	1.67%

**TABLE 2A**  
**CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR THE PERIOD 07/02 - 06/03**

HOSPID	HOSPNAME	LEVEL 1					
		AVERAGE CHARGE @ CMI=1.00	CASES	TOTAL CHARGES	HOSPITAL AVERAGE CHARGE	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	\$5,978	16,509	\$95,332,319	\$5,775	15947.078	0.965963
210002	Univ. of Maryland Medical System	\$10,294	21,256	\$319,224,037	\$15,018	31010.154	1.458889
210003	Prince Georges Hospital	\$8,065	18,106	\$142,775,089	\$7,886	17702.874	0.977735
210004	Holy Cross Hospital of Silver Spring	\$7,498	30,627	\$179,031,886	\$5,846	23878.760	0.779664
210005	Frederick Memorial Hospital	\$6,895	16,779	\$96,624,111	\$5,759	14014.467	0.835239
210006	Harford Memorial Hospital	\$7,197	5,654	\$34,357,320	\$6,077	4773.752	0.844314
210007	St. Josephs Hospital	\$6,676	21,991	\$184,573,750	\$8,393	27648.690	1.257273
210008	Mercy Medical Center, Inc.	\$8,001	17,140	\$120,937,883	\$7,056	15115.117	0.881862
210009	Johns Hopkins Hospital	\$9,041	39,390	\$521,430,942	\$13,238	57674.471	1.464191
210010	Dorchester General Hospital	\$6,773	4,015	\$22,862,460	\$5,694	3375.407	0.840699
210011	St. Agnes Hospital	\$7,365	20,663	\$148,934,110	\$7,208	20222.813	0.978697
210012	Sinai Hospital	\$8,764	23,918	\$261,949,692	\$10,952	29890.921	1.249725
210013	Bon Secours Hospital	\$7,978	7,661	\$63,880,704	\$8,338	8007.020	1.045166
210015	Franklin Square Hospital	\$7,842	25,568	\$179,618,968	\$7,025	22905.321	0.895859
210016	Washington Adventist Hospital	\$7,314	19,500	\$160,939,376	\$8,253	22003.273	1.128373
210017	Garrett County Memorial Hospital	\$6,179	3,020	\$14,817,932	\$4,907	2398.101	0.794073
210018	Montgomery General Hospital	\$7,331	9,680	\$62,113,122	\$6,417	8472.835	0.875293
210019	Peninsula Regional Medical Center	\$6,468	21,082	\$155,571,375	\$7,379	24053.892	1.140968
210022	Suburban Hospital Association, Inc	\$7,222	12,800	\$106,372,209	\$8,310	14729.818	1.150767
210023	Anne Arundel General Hospital	\$6,699	26,228	\$154,140,222	\$5,877	23008.835	0.877262
210024	Union Memorial Hospital	\$8,011	17,911	\$193,087,513	\$10,780	24104.071	1.345769
210025	The Memorial Hospital	\$5,890	9,556	\$48,230,373	\$5,047	8188.893	0.856937
210027	Sacred Heart Hospital	\$5,773	8,048	\$52,340,477	\$6,504	9066.938	1.126608
210028	St. Marys Hospital	\$6,666	7,328	\$33,697,410	\$4,598	5055.359	0.689869
210029	Johns Hopkins Bayview Med. Center	\$8,428	20,542	\$165,522,272	\$8,058	19640.299	0.956105
210030	Chester River Hospital Center	\$6,552	3,576	\$20,900,908	\$5,845	3190.123	0.892092
210032	Union Hospital of Cecil County	\$6,816	9,228	\$49,022,041	\$5,312	7192.338	0.779404
210033	Carroll County General Hospital	\$6,701	14,656	\$82,098,747	\$5,602	12252.120	0.835980
210034	Harbor Hospital Center	\$7,783	12,636	\$84,207,860	\$6,664	10819.077	0.856211
210035	Civista Medical Center	\$6,771	7,905	\$42,888,701	\$5,426	6334.377	0.801313
210037	Memorial Hospital at Easton	\$6,927	10,207	\$57,887,334	\$5,671	8356.370	0.818690
210038	Maryland General Hospital	\$8,202	12,202	\$101,362,917	\$8,307	12358.014	1.012786
210039	Calvert Memorial Hospital	\$6,708	7,872	\$40,046,925	\$5,087	5970.257	0.758417
210040	Northwest Hospital Center, Inc.	\$7,106	12,185	\$87,379,601	\$7,171	12296.314	1.009135
210043	North Arundel General Hospital	\$7,139	17,148	\$124,387,730	\$7,254	17424.219	1.016108
210044	Greater Baltimore Medical Center	\$7,112	27,087	\$164,953,281	\$6,090	23194.335	0.856290
210045	McCready Foundation, Inc.	\$6,385	961	\$4,945,461	\$5,146	774.484	0.805914
210048	Howard County General Hospital	\$6,881	17,131	\$90,634,288	\$5,291	13172.581	0.768932
210049	Upper Chesapeake Medical Center	\$6,794	13,107	\$71,524,868	\$5,457	10528.161	0.803247
210051	Doctors Community Hospital	\$7,307	11,123	\$83,646,093	\$7,520	11447.479	1.029172
210054	Southern Maryland Hospital	\$7,263	17,033	\$108,763,263	\$6,385	14975.113	0.879182
210055	Laurel Regional Hospital	\$7,825	7,914	\$53,892,941	\$6,810	6887.329	0.870272
210056	Good Samaritan Hospital	\$7,439	13,917	\$128,224,106	\$9,213	17236.057	1.238489
210057	Shady Grove Adventist Hospital	\$7,291	23,691	\$138,704,335	\$5,855	19023.990	0.803005
210058	James Lawrence Kernan Hospital	\$8,378	1,906	\$29,171,586	\$15,305	3481.771	1.826742
210060	Fort Washington Medical Center	\$6,773	2,720	\$16,498,839	\$6,066	2435.884	0.895545
210061	Atlantic General Hospital	\$6,045	2,772	\$16,020,513	\$5,779	2650.253	0.956080
210080	Sinai Oncology	\$9,087	1,258	\$18,912,708	\$15,034	2081.346	1.654488
210904	Johns Hopkins Oncology Center	\$9,806	2,762	\$45,353,696	\$16,421	4624.954	1.674495
218994	University (UMCC)	\$9,229	544	\$6,244,096	\$11,478	676.594	1.243739
218992	University (MIEMSS)	\$31,631	3,209	\$103,422,924	\$32,229	3269.653	1.018901
	STATEWIDE	\$7,716	679,722	\$5,289,461,312	\$7,782	685542.351	1.008563

**TABLE 2B  
CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR  
THE PERIOD 07/02 - 06/03**

HOSPID	HOSPNAME	LEVEL II			
		TRIMMED CHARGES	RELATIVE WEIGHT ADD-ON	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	\$151,819	25.396	15972.474	0.967501
210002	Univ. of Maryland Medical System	\$22,826,084	2217.378	33227.532	1.563207
210003	Prince Georges Hospital	\$1,147,575	142.289	17845.163	0.985594
210004	Holy Cross Hospital of Silver Spring	\$964,538	128.647	24007.407	0.783864
210005	Frederick Memorial Hospital	\$81,061	11.757	14026.224	0.835939
210006	Harford Memorial Hospital	\$408,574	56.769	4830.521	0.854355
210007	St. Josephs Hospital	\$2,093,631	313.621	27962.311	1.271534
210008	Mercy Medical Center, Inc.	\$526,770	65.837	15180.954	0.885703
210009	Johns Hopkins Hospital	\$25,285,234	2796.751	60471.222	1.535192
210010	Dorchester General Hospital	\$52,977	7.822	3383.229	0.842647
210011	St. Agnes Hospital	\$453,828	61.622	20284.436	0.981679
210012	Sinai Hospital	\$3,963,615	452.286	30343.207	1.268635
210013	Bon Secours Hospital	\$200,567	25.140	8032.160	1.048448
210015	Franklin Square Hospital	\$1,208,860	154.156	23059.477	0.901888
210016	Washington Adventist Hospital	\$1,502,256	205.385	22208.658	1.138906
210017	Garrett County Memorial Hospital	\$0	0.000	2398.101	0.794073
210018	Montgomery General Hospital	\$161,354	22.010	8494.845	0.877567
210019	Peninsula Regional Medical Center	\$302,515	46.774	24100.666	1.143187
210022	Suburban Hospital Association, Inc	\$565,768	78.344	14808.163	1.156888
210023	Anne Arundel General Hospital	\$270,437	40.369	23049.204	0.878801
210024	Union Memorial Hospital	\$1,342,116	167.543	24271.614	1.355123
210025	The Memorial Hospital	\$0	0.000	8188.893	0.856937
210027	Sacred Heart Hospital	\$14,842	2.571	9069.509	1.126927
210028	St. Marys Hospital	\$77,031	11.556	5066.916	0.691446
210029	Johns Hopkins Bayview Med. Center	\$1,909,038	226.520	19866.819	0.967132
210030	Chester River Hospital Center	\$17,234	2.630	3192.753	0.892828
210032	Union Hospital of Cecil County	\$43,818	6.429	7198.767	0.780100
210033	Carroll County General Hospital	\$26,094	3.894	12256.014	0.836246
210034	Harbor Hospital Center	\$147,596	18.963	10838.040	0.857711
210035	Civista Medical Center	\$21,285	3.144	6337.520	0.801710
210037	Memorial Hospital at Easton	\$121,828	17.587	8373.956	0.820413
210038	Maryland General Hospital	\$114,526	13.963	12371.977	1.013930
210039	Calvert Memorial Hospital	\$21,207	3.162	5973.419	0.758818
210040	Northwest Hospital Center, Inc.	\$28,951	4.074	12300.388	1.009470
210043	North Arundel General Hospital	\$430,204	60.263	17484.482	1.019622
210044	Greater Baltimore Medical Center	\$635,524	89.362	23283.697	0.859589
210045	McCready Foundation, Inc.	\$0	0.000	774.484	0.805914
210048	Howard County General Hospital	\$305,981	44.471	13217.051	0.771528
210049	Upper Cheseapeake Medical Center	\$108,371	15.952	10544.113	0.804464
210051	Doctors Community Hospital	\$473,894	64.855	11512.335	1.035003
210054	Southern Maryland Hospital	\$30,379	4.183	14979.296	0.879428
210055	Laurel Regional Hospital	\$204,080	26.081	6913.410	0.873567
210056	Good Samaritan Hospital	\$377,311	50.719	17286.776	1.242134
210057	Shady Grove Adventist Hospital	\$460,468	63.155	19087.146	0.805671
210058	James Lawrence Kernan Hospital	\$89,116	10.636	3492.407	1.832323
210060	Fort Washington Medical Center	\$0	0.000	2435.884	0.895545
210061	Atlantic General Hospital	\$0	0.000	2650.253	0.956080
210080	Sinai Oncology	\$1,838,246	202.299	2283.645	1.815298
210904	Johns Hopkins Oncology Center	\$1,746,114	178.060	4803.014	1.738962
218994	University (UMCC)	\$43,732	4.739	681.333	1.252450
218992	University (MIEMSS)	\$28,781,281	909.903	4179.555	1.302448
	STATEWIDE	*****	9059.067	694601.418	1.021890

**TABLE 2C**  
**CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR THE PERIOD 07/02 - 06**  
**/03**

HOSPID	HOSPNAME	LEVEL III			TOTAL		
		CATEGORICAL CASES	CATEGORICAL REVENUE	RELATIVE WEIGHT ADD-ON	CASES	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	0	\$0	0	16,509	15972.474	0.967501
210002	Univ. of Maryland Medical System	275	\$35,511,962	3,450	21,531	36677.245	1.703462
210003	Prince Georges Hospital	102	\$11,608,929	1,439	18,208	19284.570	1.059126
210004	Holy Cross Hospital of Silver Spring	99	\$1,078,244	144	30,726	24151.220	0.786019
210005	Frederick Memorial Hospital	0	\$0	0	16,779	14026.224	0.835939
210006	Harford Memorial Hospital	0	\$0	0	5,654	4830.521	0.854355
210007	St. Josephs Hospital	0	\$0	0	21,991	27962.311	1.271534
210008	Mercy Medical Center, Inc.	0	\$0	0	17,140	15180.954	0.885703
210009	Johns Hopkins Hospital	272	\$32,785,563	3,626	39,662	64097.570	1.616095
210010	Dorchester General Hospital	0	\$0	0	4,015	3383.229	0.842647
210011	St. Agnes Hospital	128	\$1,721,731	234	20,791	20518.219	0.986880
210012	Sinai Hospital	491	\$10,963,668	1,251	24,409	31594.265	1.294369
210013	Bon Secours Hospital	0	\$0	0	7,661	8032.160	1.048448
210015	Franklin Square Hospital	0	\$0	0	25,568	23059.477	0.901888
210016	Washington Adventist Hospital	2	\$25,306	3	19,502	22212.118	1.138966
210017	Garrett County Memorial Hospital	0	\$0	0	3,020	2398.101	0.794073
210018	Montgomery General Hospital	0	\$0	0	9,680	8494.845	0.877567
210019	Peninsula Regional Medical Center	0	\$0	0	21,082	24100.666	1.143187
210022	Suburban Hospital Association, Inc	0	\$0	0	12,800	14808.163	1.156888
210023	Anne Arundel General Hospital	0	\$0	0	26,228	23049.204	0.878801
210024	Union Memorial Hospital	0	\$0	0	17,911	24271.614	1.355123
210025	The Memorial Hospital	0	\$0	0	9,556	8188.893	0.856937
210027	Sacred Heart Hospital	0	\$0	0	8,048	9069.509	1.126927
210028	St. Marys Hospital	0	\$0	0	7,328	5066.916	0.691446
210029	Johns Hopkins Bayview Med. Center	1,094	\$41,558,811	4,931	21,636	24798.044	1.146147
210030	Chester River Hospital Center	0	\$0	0	3,576	3192.753	0.892828
210032	Union Hospital of Cecil County	0	\$0	0	9,228	7198.767	0.780100
210033	Carroll County General Hospital	0	\$0	0	14,656	12256.014	0.836246
210034	Harbor Hospital Center	0	\$0	0	12,636	10838.040	0.857711
210035	Civista Medical Center	0	\$0	0	7,905	6337.520	0.801710
210037	Memorial Hospital at Easton	0	\$0	0	10,207	8373.956	0.820413
210038	Maryland General Hospital	0	\$0	0	12,202	12371.977	1.013930
210039	Calvert Memorial Hospital	0	\$0	0	7,872	5973.419	0.758818
210040	Northwest Hospital Center, Inc.	0	\$0	0	12,185	12300.388	1.009470
210043	North Arundel General Hospital	0	\$0	0	17,148	17484.482	1.019622
210044	Greater Baltimore Medical Center	1	\$31,282	4	27,088	23288.095	0.859720
210045	McCready Foundation, Inc.	0	\$0	0	961	774.484	0.805914
210048	Howard County General Hospital	0	\$0	0	17,131	13217.051	0.771528
210049	Upper Chesepeake Medical Center	0	\$0	0	13,107	10544.113	0.804464
210051	Doctors Community Hospital	0	\$0	0	11,123	11512.335	1.035003
210054	Southern Maryland Hospital	0	\$0	0	17,033	14979.296	0.879428
210055	Laurel Regional Hospital	0	\$0	0	7,914	6913.410	0.873567
210056	Good Samaritan Hospital	0	\$0	0	13,917	17286.776	1.242134
210057	Shady Grove Adventist Hospital	0	\$0	0	23,691	19087.146	0.805671
210058	James Lawrence Kernan Hospital	483	\$11,955,528	1,427	2,389	4919.357	2.059170
210060	Fort Washington Medical Center	0	\$0	0	2,720	2435.884	0.895545
210061	Atlantic General Hospital	0	\$0	0	2,772	2650.253	0.956080
210080	Sinai Oncology	3	\$123,167	14	1,261	2297.199	1.821728
210904	Johns Hopkins Oncology Center	1,672	\$70,475,946	7,187	4,434	11989.816	2.704063
218994	University (UMCC)	675	\$27,946,141	3,028	1,219	3709.503	3.043071
218992	University (MIEMSS)	3,787	\$17,248,034	545	6,996	4724.842	0.675363
	STATEWIDE	9,084	\$263,034,312	27,284	688,806	721885.385	1.048024

**TABLE 3A**  
**CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR THE PERIOD 07/03 - 06/04**

HOSPID	HOSPNAME	LEVEL 1					
		AVERAGE CHARGE @ CMI=1.00	CASES	TOTAL CHARGES	HOSPITAL AVERAGE CHARGE	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	\$6,567	17,448	\$112,408,413	\$6,442	17117.390	0.981052
210002	Univ. of Maryland Medical System	\$11,162	22,335	\$375,021,725	\$16,791	33596.655	1.504216
210003	Prince Georges Hospital	\$8,629	18,518	\$155,911,788	\$8,419	18067.861	0.975692
210004	Holy Cross Hospital of Silver Spring	\$8,049	31,382	\$198,678,140	\$6,331	24683.547	0.786551
210005	Frederick Memorial Hospital	\$7,108	16,691	\$100,995,919	\$6,051	14208.123	0.851245
210006	Harford Memorial Hospital	\$7,513	5,732	\$37,134,103	\$6,478	4942.950	0.862343
210007	St. Josephs Hospital	\$7,333	23,658	\$213,359,394	\$9,018	29097.005	1.229901
210008	Mercy Medical Center, Inc.	\$8,584	18,814	\$143,115,461	\$7,607	16672.947	0.886199
210009	Johns Hopkins Hospital	\$9,700	40,752	\$599,479,705	\$14,710	61799.507	1.516478
210010	Dorchester General Hospital	\$6,475	3,941	\$21,256,546	\$5,394	3283.076	0.833056
210011	St. Agnes Hospital	\$8,155	21,317	\$173,717,499	\$8,149	21301.276	0.999262
210012	Sinai Hospital	\$8,877	24,663	\$276,154,157	\$11,197	31108.323	1.261336
210013	Bon Secours Hospital	\$8,379	7,697	\$66,246,303	\$8,607	7906.525	1.027222
210015	Franklin Square Hospital	\$8,262	25,720	\$194,706,074	\$7,570	23566.839	0.916285
210016	Washington Adventist Hospital	\$7,955	20,068	\$178,264,479	\$8,883	22410.369	1.116722
210017	Garrett County Memorial Hospital	\$6,315	2,944	\$15,146,905	\$5,145	2398.724	0.814784
210018	Montgomery General Hospital	\$7,730	9,808	\$68,590,622	\$6,993	8873.512	0.904722
210019	Peninsula Regional Medical Center	\$7,085	21,656	\$175,718,518	\$8,114	24803.103	1.145322
210022	Suburban Hospital Association, Inc	\$7,572	13,195	\$113,475,339	\$8,600	14986.130	1.135743
210023	Anne Arundel General Hospital	\$6,907	27,214	\$166,970,872	\$6,135	24173.586	0.888278
210024	Union Memorial Hospital	\$8,394	19,178	\$213,186,320	\$11,116	25397.641	1.324311
210025	The Memorial Hospital	\$6,673	9,460	\$55,546,836	\$5,872	8324.213	0.879938
210027	Sacred Heart Hospital	\$6,704	8,285	\$63,537,051	\$7,669	9478.092	1.144006
210028	St. Marys Hospital	\$7,230	7,973	\$39,596,132	\$4,966	5476.681	0.686903
210029	Johns Hopkins Bayview Med. Center	\$9,053	20,525	\$174,786,040	\$8,516	19306.736	0.940645
210030	Kent & Queen Annes Hospital	\$7,083	3,799	\$23,870,308	\$6,283	3370.273	0.887147
210032	Union Hospital of Cecil County	\$7,441	9,543	\$55,868,053	\$5,854	7508.249	0.786781
210033	Carroll County General Hospital	\$7,336	14,939	\$90,865,193	\$6,082	12385.402	0.829065
210034	Harbor Hospital Center	\$8,186	13,315	\$95,727,402	\$7,189	11694.068	0.878263
210035	Civista Medical Center	\$7,066	8,686	\$49,721,748	\$5,724	7037.167	0.810173
210037	Memorial Hospital at Easton	\$6,926	10,131	\$58,687,036	\$5,793	8473.509	0.836394
210038	Maryland General Hospital	\$8,989	12,489	\$112,278,740	\$8,990	12490.438	1.000115
210039	Calvert Memorial Hospital	\$6,902	8,312	\$43,234,000	\$5,201	6264.263	0.753641
210040	Northwest Hospital Center, Inc.	\$7,385	12,091	\$92,223,623	\$7,627	12487.418	1.032786
210043	North Arundel General Hospital	\$7,400	17,298	\$132,465,166	\$7,658	17899.816	1.034791
210044	Greater Baltimore Medical Center	\$7,454	26,540	\$167,363,727	\$6,306	22453.603	0.846029
210045	McCready Foundation, Inc.	\$7,658	724	\$4,335,752	\$5,989	566.158	0.781986
210048	Howard County General Hospital	\$7,204	17,589	\$99,651,843	\$5,666	13832.365	0.786421
210049	Upper Chesapeake Medical Center	\$7,118	13,467	\$79,912,808	\$5,934	11226.836	0.833655
210051	Doctors Community Hospital	\$7,613	11,688	\$89,979,224	\$7,698	11819.132	1.011219
210054	Southern Maryland Hospital	\$7,592	17,146	\$118,672,100	\$6,921	15631.795	0.911688
210055	Laurel Regional Hospital	\$7,566	8,000	\$53,630,846	\$6,704	7088.538	0.886067
210056	Good Samaritan Hospital	\$7,910	16,141	\$152,023,965	\$9,418	19218.464	1.190661
210057	Shady Grove Adventist Hospital	\$7,688	24,180	\$152,457,135	\$6,305	19829.349	0.820072
210058	James Lawrence Kernan Hospital	\$8,585	2,460	\$36,389,604	\$14,793	4238.895	1.723128
210060	Fort Washington Medical Center	\$7,121	2,961	\$18,440,945	\$6,228	2589.742	0.874617
210061	Atlantic General Hospital	\$6,846	3,035	\$21,096,000	\$6,951	3081.719	1.015393
210080	Sinai Oncology	\$9,146	1,356	\$20,680,220	\$15,251	2261.172	1.667531
210904	Johns Hopkins Oncology Center	\$10,704	2,628	\$48,736,874	\$18,545	4553.332	1.732622
218994	University (UMCC)	\$9,812	538	\$7,232,449	\$13,443	737.123	1.370118
218992	University (MIEMSS)	\$33,456	3,330	\$116,604,700	\$35,016	3485.274	1.046629
	STATEWIDE	\$8,215	701,360	\$5,875,153,799	\$8,377	715204.911	1.019740



**TABLE 3B  
CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR  
THE PERIOD 07/03 - 06/04**

HOSPID	HOSPNAME	LEVEL II			
		TRIMMED CHARGES	RELATIVE WEIGHT ADD-ON	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	\$63,528	9.674	17127.064	0.981606
210002	Univ. of Maryland Medical System	\$25,232,083	2260.439	35857.093	1.605422
210003	Prince Georges Hospital	\$2,809,235	325.549	18393.409	0.993272
210004	Holy Cross Hospital of Silver Spring	\$1,548,893	192.433	24875.980	0.792683
210005	Frederick Memorial Hospital	\$301,730	42.447	14250.571	0.853788
210006	Harford Memorial Hospital	\$277,166	36.894	4979.844	0.868780
210007	St. Josephs Hospital	\$8,249,259	1124.997	30222.002	1.277454
210008	Mercy Medical Center, Inc.	\$874,360	101.863	16774.810	0.891613
210009	Johns Hopkins Hospital	\$44,446,415	4581.917	66381.424	1.628912
210010	Dorchester General Hospital	\$52,727	8.144	3291.219	0.835123
210011	St. Agnes Hospital	\$1,166,123	142.990	21444.266	1.005970
210012	Sinai Hospital	\$5,723,694	644.765	31753.088	1.287479
210013	Bon Secours Hospital	\$162,714	19.420	7925.945	1.029745
210015	Franklin Square Hospital	\$1,359,046	164.496	23731.335	0.922680
210016	Washington Adventist Hospital	\$6,348,539	798.101	23208.471	1.156491
210017	Garrett County Memorial Hospital	\$0	0.000	2398.724	0.814784
210018	Montgomery General Hospital	\$657,960	85.120	8958.632	0.913400
210019	Peninsula Regional Medical Center	\$3,622,749	511.360	25314.463	1.168935
210022	Suburban Hospital Association, Inc	\$742,144	98.011	15084.142	1.143171
210023	Anne Arundel General Hospital	\$225,635	32.667	24206.253	0.889478
210024	Union Memorial Hospital	\$4,337,368	516.726	25914.367	1.351255
210025	The Memorial Hospital	\$215,418	32.282	8356.496	0.883350
210027	Sacred Heart Hospital	\$1,148,291	171.296	9649.388	1.164682
210028	St. Marys Hospital	\$0	0.000	5476.681	0.686903
210029	Johns Hopkins Bayview Med. Center	\$3,222,229	355.925	19662.661	0.957986
210030	Kent & Queen Annes Hospital	\$0	0.000	3370.273	0.887147
210032	Union Hospital of Cecil County	\$210,256	28.257	7536.506	0.789742
210033	Carroll County General Hospital	\$261,449	35.637	12421.039	0.831450
210034	Harbor Hospital Center	\$570,891	69.740	11763.808	0.883500
210035	Civista Medical Center	\$163,859	23.191	7060.358	0.812843
210037	Memorial Hospital at Easton	\$8,704	1.257	8474.766	0.836518
210038	Maryland General Hospital	\$206,170	22.935	12513.373	1.001952
210039	Calvert Memorial Hospital	\$100,711	14.592	6278.855	0.755396
210040	Northwest Hospital Center, Inc.	\$70,440	9.538	12496.955	1.033575
210043	North Arundel General Hospital	\$383,975	51.886	17951.702	1.037791
210044	Greater Baltimore Medical Center	\$509,807	68.396	22521.999	0.848606
210045	McCready Foundation, Inc.	\$0	0.000	566.158	0.781986
210048	Howard County General Hospital	\$821,147	113.981	13946.346	0.792902
210049	Upper Chesepeake Medical Center	\$423,136	59.446	11286.282	0.838070
210051	Doctors Community Hospital	\$452,356	59.419	11878.551	1.016303
210054	Southern Maryland Hospital	\$187,029	24.636	15656.431	0.913124
210055	Laurel Regional Hospital	\$236,039	31.198	7119.736	0.889967
210056	Good Samaritan Hospital	\$632,747	79.990	19298.454	1.195617
210057	Shady Grove Adventist Hospital	\$1,350,851	175.699	20005.047	0.827339
210058	James Lawrence Kernan Hospital	\$387,197	45.103	4283.998	1.741463
210060	Fort Washington Medical Center	\$21,265	2.986	2592.729	0.875626
210061	Atlantic General Hospital	\$43,074	6.292	3088.011	1.017467
210080	Sinai Oncology	\$1,725,653	188.683	2449.855	1.806677
210904	Johns Hopkins Oncology Center	\$2,181,944	203.852	4757.184	1.810192
218994	University (UMCC)	\$0	0.000	737.123	1.370118
218992	University (MIEMSS)	\$42,340,511	1265.543	4750.817	1.426672
	STATEWIDE	\$166,076,520	14839.773	730044.683	1.040899

**TABLE 3C**  
**CALCULATION OF CHARGE PER CASE "CASEMIX INDEX" FOR THE PERIOD 07/**  
**03 - 06/04**

HOSPID	HOSPNAME	LEVEL III			TOTAL		
		CATEGORICAL CASES	CATEGORICAL REVENUE	RELATIVE WEIGHT ADD-ON	CASES	CUMULATIVE RELATIVE WEIGHT	CMI
210001	Washington County Hospital	0	\$0	0	17,448	17127.064	0.981606
210002	Univ. of Maryland Medical System	270	\$37,484,799	3,358	22,605	39215.202	1.734802
210003	Prince Georges Hospital	133	\$12,965,191	1,502	18,651	19895.882	1.066746
210004	Holy Cross Hospital of Silver Spring	58	\$653,878	81	31,440	24957.217	0.793805
210005	Frederick Memorial Hospital	0	\$0	0	16,691	14250.571	0.853788
210006	Harford Memorial Hospital	0	\$0	0	5,732	4979.844	0.868780
210007	St. Josephs Hospital	0	\$0	0	23,658	30222.002	1.277454
210008	Mercy Medical Center, Inc.	0	\$0	0	18,814	16774.810	0.891613
210009	Johns Hopkins Hospital	228	\$30,346,473	3,128	40,980	69509.799	1.696188
210010	Dorchester General Hospital	0	\$0	0	3,941	3291.219	0.835123
210011	St. Agnes Hospital	304	\$4,590,651	563	21,621	22007.173	1.017861
210012	Sinai Hospital	532	\$12,416,444	1,399	25,195	33151.780	1.315808
210013	Bon Secours Hospital	0	\$0	0	7,697	7925.945	1.029745
210015	Franklin Square Hospital	0	\$0	0	25,720	23731.335	0.922680
210016	Washington Adventist Hospital	73	\$946,174	119	20,141	23327.418	1.158206
210017	Garrett County Memorial Hospital	0	\$0	0	2,944	2398.724	0.814784
210018	Montgomery General Hospital	0	\$0	0	9,808	8958.632	0.913400
210019	Peninsula Regional Medical Center	0	\$0	0	21,656	25314.463	1.168935
210022	Suburban Hospital Association, Inc	86	\$1,017,118	134	13,281	15218.467	1.145883
210023	Anne Arundel General Hospital	0	\$0	0	27,214	24206.253	0.889478
210024	Union Memorial Hospital	15	\$376,711	45	19,193	25959.246	1.352537
210025	The Memorial Hospital	0	\$0	0	9,460	8356.496	0.883350
210027	Sacred Heart Hospital	0	\$0	0	8,285	9649.388	1.164682
210028	St. Marys Hospital	0	\$0	0	7,973	5476.681	0.686903
210029	Johns Hopkins Bayview Med. Center	1,182	\$47,772,385	5,277	21,707	24939.564	1.148918
210030	Kent & Queen Annes Hospital	0	\$0	0	3,799	3370.273	0.887147
210032	Union Hospital of Cecil County	0	\$0	0	9,543	7536.506	0.789742
210033	Carroll County General Hospital	0	\$0	0	14,939	12421.039	0.831450
210034	Harbor Hospital Center	0	\$0	0	13,315	11763.808	0.883500
210035	Civista Medical Center	0	\$0	0	8,686	7060.358	0.812843
210037	Memorial Hospital at Easton	0	\$0	0	10,131	8474.766	0.836518
210038	Maryland General Hospital	0	\$0	0	12,489	12513.373	1.001952
210039	Calvert Memorial Hospital	0	\$0	0	8,312	6278.855	0.755396
210040	Northwest Hospital Center, Inc.	0	\$0	0	12,091	12496.955	1.033575
210043	North Arundel General Hospital	0	\$0	0	17,298	17951.702	1.037791
210044	Greater Baltimore Medical Center	29	\$404,588	54	26,569	22576.279	0.849723
210045	McCready Foundation, Inc.	0	\$0	0	724	566.158	0.781986
210048	Howard County General Hospital	0	\$0	0	17,589	13946.346	0.792902
210049	Upper Chesapeake Medical Center	0	\$0	0	13,467	11286.282	0.838070
210051	Doctors Community Hospital	0	\$0	0	11,688	11878.551	1.016303
210054	Southern Maryland Hospital	0	\$0	0	17,146	15656.431	0.913124
210055	Laurel Regional Hospital	0	\$0	0	8,000	7119.736	0.889967
210056	Good Samaritan Hospital	0	\$0	0	16,141	19298.454	1.195617
210057	Shady Grove Adventist Hospital	49	\$401,131	52	24,229	20057.220	0.827819
210058	James Lawrence Kernan Hospital	522	\$13,727,968	1,599	2,982	5883.120	1.972877
210060	Fort Washington Medical Center	0	\$0	0	2,961	2592.729	0.875626
210061	Atlantic General Hospital	0	\$0	0	3,035	3088.011	1.017467
210080	Sinai Oncology	0	\$0	0	1,356	2449.855	1.806677
210904	Johns Hopkins Oncology Center	1,857	\$80,205,804	7,493	4,485	12250.557	2.731451
218994	University (UMCC)	706	\$26,144,929	2,665	1,244	3401.786	2.734555
218992	University (MIEMSS)	3,490	\$17,353,542	519	6,820	5269.508	0.772655
	STATEWIDE	9,534	\$286,807,786	27,989	710,894	758033.833	1.066311