

**Maryland St. Elsewhere Hospital FY2008 Potentially Preventable  
Complications (PPCs) Analysis - MHAC Impact**

**Overall MHAC Impact**

Case Type	Discharges		Total Impact Using Statewide Avg Expected Times PPC Charge
	Total	At Risk for PPC	
Total	65,760	53,296	\$4,749,742
Medical	46,775	37,279	\$1,567,376
Surgical	15,750	12,802	\$2,920,376
Obstetrical	3,235	3,215	\$261,990

**MHAC Impact by Service Line**

No.	Service Line	Discharges At Risk for PPCs	Total Impact Using Statewide Avg Expected Times PPC Charge
040	INVASIVE CARDIOLOGY	1,123	\$207,088
045	MYOCARDIAL INFARCTIO	380	\$94,492
050	CARDIOLOGY	7,336	\$55,202
055	CARDIOVASCULAR SURG	581	\$132,639
065	DENTAL	184	\$30,079
070	DERMATOLOGY	1,213	-\$122,806
085	ENT SURGERY	587	\$518,940
090	ENDOCRINOLOGY	732	\$161,381
095	DIABETES	554	\$126,483
125	GASTROENTEROLOGY	4,336	\$582,280
129	GENERAL MEDICINE	1,057	\$35,547
132	GENERAL SURGERY	3,955	\$1,398,940
133	THORACIC SURGERY	144	\$187,949
135	GYNECOLOGICAL SURG	490	\$42,222
137	GYNECOLOGY	143	-\$9,761
145	HEMATOLOGY	706	-\$39,692
165	INFECTIOUS DISEASE	2,378	-\$16,848
170	HIV	0	\$0
245	NEONATOLOGY	1,356	-\$22,406
250	NEPHROLOGY	1,853	\$218,142
252	NEUROLOGICAL SURGERY	675	\$400,046
255	NEUROLOGY	3,924	-\$153,040
262	OBSTETRICS/DELIVERY	2,633	\$212,505
267	ONCOLOGY	154	\$75,068
269	CARDIAC SURGERY	658	-\$277,597
271	OPHTHALMOLOGIC SURG	42	\$39,473
272	OPHTHALMOLOGY	111	\$3,901
274	ORTHOPEDIC SURGERY	3,882	\$151,590
276	ORTHOPEDICS	1,059	-\$107,581
280	OTHER OBSTETRICS	553	\$52,755
283	OTOLARYNGOLOGY	736	\$7,461
293	PSYCHIATRY	2,911	\$275,917
294	SUBSTANCE ABUSE	331	\$66,938
296	PULMONARY	4,770	\$183,498
330	RHEUMATOLOGY	538	-\$4,084
370	TRANSPLANT SURGERY	0	\$0
387	UROLOGICAL SURGERY	974	\$176,915
390	UROLOGY	237	\$66,108
Total:		53,296	\$4,749,742

**Maryland St. Elsewhere Hospital FY2008 Date PPC Analysis**  
**PPC Rates by PPC Group Across All Service Lines**

PPCs	Discharges At Risk for PPCs	Discharges with one or more PPCs		Discharges Rate/1,000 with one or more PPCs		Difference %	Significance Level	Total Impact Using Statewide Avg Expected Times PPC
		Observed	Expected	Observed	Expected			
<b>Discharge with One or More PPC</b>								
1 STROKE & INTRACRANIAL HEMORRHAGE	47,228	98	76.5	2.08	1.62	28.04	*	\$280,431
2 EXTREME CNS COMPLICATIONS	43,931	32	27.5	0.73	0.63	16.21		\$53,866
3 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITHOUT MECHANICAL VENTILATION	45,625	355	449.3	7.78	9.85	-21.00	***	-\$539,856
4 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	45,625	272	183.0	5.96	4.01	48.66	*	\$1,786,210
5 PNEUMONIA & OTHER LUNG INFECTIONS	37,607	299	287.3	7.95	7.64	4.08		\$158,611
6 ASPIRATION PNEUMONIA	42,585	107	107.3	2.51	2.52	-0.25		-\$2,798
7 PULMONARY EMBOLISM	47,902	56	51.7	1.17	1.08	8.34		\$46,149
8 OTHER PULMONARY COMPLICATIONS	28,682	256	174.3	8.93	6.08	46.87	*	\$636,494
9 SHOCK	47,324	163	173.2	3.44	3.66	-5.91		-\$113,644
10 CONGESTIVE HEART FAILURE	41,500	180	203.6	4.34	4.91	-11.60		-\$91,981
11 ACUTE MYOCARDIAL INFARCT	47,494	141	141.9	2.97	2.99	-0.63		-\$5,037
12 CARDIAC ARYTHMIAS & CONDUCTION DISTURB	406	96	127.0	236.45	312.81	-24.41	***	-\$74,031
13 OTHER CARDIAC COMPLICATIONS	43,296	44	55.7	1.02	1.29	-21.02		-\$37,440
14 VENTRICULAR FIBRILLATION/CARDIAC ARREST	48,544	162	145.6	3.34	3.00	11.26		\$253,444
15 PERIPHERAL VASCULAR COMPLICATIONS EXCEPT VENOUS THROMBOSIS	48,186	33	28.7	0.68	0.60	14.82		\$55,372
16 VENOUS THROMBOSIS	47,941	149	131.4	3.11	2.74	13.36		\$188,881
17 MAJOR GASTROINTESTINAL COMPLICATIONS WITHOUT TRANSFUSION OR SIGNIFICANT BLEEDING	46,296	67	70.2	1.45	1.52	-4.62		-\$36,594
18 MAJOR GASTROINTESTINAL COMPLICATIONS WITH TRANSFUSION OR SIGNIFICANT BLEEDING	46,063	21	21.2	0.46	0.46	-0.72		-\$2,215
19 MAJOR LIVER COMPLICATIONS	47,689	27	26.8	0.57	0.56	0.93		\$2,507
20 OTHER GASTROINTESTINAL COMPLICATIONS WITHOUT TRANSFUSION OR SIGNIFICANT BLEEDING	46,306	45	27.2	0.97	0.59	65.36	*	\$154,312
21 CLOSTRIDIUM DIFFICILE COLITIS	48,544	91	103.7	1.87	2.14	-12.22		\$208,064
22 URINARY TRACT INFECTION	46,953	710	569.5	15.12	12.13	24.66	*	\$907,624
23 GU COMPLICATIONS EXCEPT UTI	47,404	61	38.1	1.29	0.80	59.97	*	\$107,333
24 RENAL FAILURE WITHOUT DIALYSIS	44,029	490	497.3	11.13	11.30	-1.47		-\$57,939
25 RENAL FAILURE WITH DIALYSIS	44,672	20	17.5	0.45	0.39	14.21		\$102,472
26 DIABETIC KETOACIDOSIS & COMA	48,256	5	7.8	0.10	0.16	-36.01		\$0
27 POST-HEMORRH & OTHER ACUTE ANEMIA WITH TRANSFUSION	41,016	105	88.1	2.56	2.15	19.23		\$72,079
28 IN-HOSPITAL TRAUMA AND FRACTURES	48,544	29	33.3	0.60	0.69	-12.84		-\$20,543
29 POISONINGS EXCEPT FROM ANESTHESIA	47,209	10	19.1	0.21	0.41	-47.72	***	-\$12,913
30 POISONINGS DUE TO ANESTHESIA	48,544	1	0.5	0.02	0.01	116.84		\$0
31 DECUBITUS ULCER	50,131	67	73.7	1.34	1.47	-9.04		-\$121,539
32 TRANSFUSION INCOMPATIBILITY REACTION	48,544	0	0.0	0.00	0.00	0.00		\$0
33 CELLULITIS	41,765	107	89.0	2.56	2.13	20.24		\$51,556
34 MODERATE INFECTIONS	38,488	85	52.3	2.21	1.36	62.49	*	\$422,340
35 SEPTICEMIA & SEVERE INFECTIONS	46,908	300	325.5	6.40	6.94	-7.84		-\$359,393
36 ACUTE MENTAL HEALTH CHANGES	36,477	38	72.2	1.04	1.98	-47.38	***	-\$124,211
37 POST-OPERATIVE INFECTION & DEEP WOUND DISRUPTI	12,976	94	91.7	7.24	7.07	2.46		\$35,528
38 POST-OP WOUND INFECTION & DEEP WOUND DISRUPTI	12,974	12	4.7	0.92	0.36	155.29		\$225,302
39 REOPENING SURGICAL SITE	12,311	20	12.6	1.62	1.03	58.28	*	\$101,431
40 POST-OP HEMORRHAGE & HEMATOMA WITHOUT HEM CNTRL OR I&D PROC	16,898	386	322.3	22.84	19.07	19.77	*	\$416,341
41 POST-OP HEMORRHAGE & HEMATOMA WITH HEM CNTRL PROC OR I&D PROC	13,218	22	23.5	1.66	1.78	-6.28		-\$16,434
42 ACCIDENTAL PUNCTURE/LACERATION DURING INVASIVE PROCEDURE	16,517	198	172.9	11.99	10.47	14.50		\$96,216
43 ACCIDENTAL CUT OR HEMORRHAGE DURING OTHER MEDICAL CARE	48,544	3	9.8	0.06	0.20	-69.53		\$0
44 OTHER SURG COMPLICATION - MODERATE	13,247	50	39.7	3.77	3.00	25.80		\$128,258
45 POST-PROCEDURE FOREIGN BODIES	13,247	1	2.2	0.08	0.16	-53.96		-\$6,110
46 POST-OP SUBST REACT & NON-O.R. PROC F.B.	48,544	0	0.3	0.00	0.01	-100.00		\$0
47 ENCEPHALOPATHY	44,945	102	108.9	2.27	2.42	-6.32		-\$70,046
48 OTHER COMPLICATIONS OF MEDICAL CARE	48,544	78	126.5	1.61	2.61	-38.36	***	-\$514,014
49 IATROGENIC PNEUMOTHORAX	45,585	18	28.6	0.39	0.63	-36.96		-\$76,807
50 MECHANICAL COMPLICATION OF DEVICE, IMPLANT & GRAFT	47,024	53	47.4	1.13	1.01	11.84		\$79,341
51 GI OSTOMY COMPLICATIONS	47,754	43	22.5	0.90	0.47	91.29	*	\$422,931
52 INFLAMMATION & OTHER COMPLICATIONS OF DEVICES, IMPLANTS OR GRAFTS EXCEPT VASCULAR INFECTION	47,024	108	97.4	2.30	2.07	10.86		\$92,840
53 INFECTION, INFLAMMATION AND CLOTTING COMPLICATIONS OF PERIPHERAL VASCULAR CATHETERS AND INFUSIONS	48,138	87	62.8	1.81	1.30	38.52	*	\$364,546
54 INFECTIONS DUE TO CENTRAL VENOUS CATHETERS	51,967	25	24.6	0.48	0.47	1.63		\$9,072
55 OBSTETRICAL HEMORRHAGE WITHOUT TRANSFUSION	2,575	59	145.0	22.91	56.31	-59.31	***	\$0
56 OBSTETRICAL HEMORRHAGE WITH TRANSFUSION	2,575	13	17.0	5.05	6.60	-23.53		-\$9,237
57 OBSTETRIC LACERATIONS & OTHER TRAUMA WITHOUT INSTRUMENTATION	2,452	53	69.0	21.62	28.14	-23.19		\$0
58 OBSTETRIC LACERATIONS & OTHER TRAUMA WITH INSTRUMENTATION	118	12	17.0	101.69	144.07	-29.41		\$0
59 MEDICAL & ANESTHESIA OB COMPL	2,633	17	28.0	6.46	10.63	-39.29	***	\$0
60 MAJOR PUERPERAL INFECTION AND OTHER MAJOR OBSTETRIC COMPLICATIONS	2,633	21	12.0	7.98	4.56	75.00	*	\$0
61 OTHER COMPLICATIONS OF OBSTETRICAL SURGICAL & PERINEAL WOUNDS	2,633	6	8.0	2.28	3.04	-25.00		\$0
62 DELIVERY W PLACENTAL COMPLICATIONS	2,633	10	16.0	3.80	6.08	-37.50		\$0
63 POST-OP RESP FAILURE WITH TRACHEOSTOMY	11,515	19	13.9	1.65	1.21	36.31		\$0
64 OTHER IN-HOSPITAL ADVERSE EVENTS	48,544	52	71.4	1.07	1.47	-27.15	***	\$0

Maryland St. Elsewhere Hospital FY2008 Date PPC Analysis  
 PPC Rates by PPC Group by Service Line

PPC	Service Line	Discharges At Risk for	Discharges with one or more PPCs		Discharges Rate/1,000 with one or more PPCs		Difference %	Significance Level	Total Impact Using Statewide Avg Expected Times PPC Charge
		PPCs	Observed	Expected	Observed	Expected			
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	040 Invasive Cardiol	1,093	4	2.5	3.66	2.32	57.98	\$29,451	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	045 Myocardial Infar	353	1	1.0	2.83	2.83	0.00	\$1,952	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	050 Cardiology	6,921	9	9.6	1.30	1.38	-5.79	-\$11,043	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular S	536	18	11.2	33.58	20.81	61.39	\$137,388	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	065 Dental	161	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	070 Dermatology	1,121	0	0.4	0.00	0.37	-100.00	-\$8,381	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	085 ENT Surgery	457	22	9.1	48.14	19.88	142.16	\$259,125	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	090 Endocrinology	641	1	1.0	1.56	1.56	0.00	-\$8,042	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	095 Diabetes	466	1	0.5	2.15	1.13	89.85	\$9,495	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	3,895	16	8.1	4.11	2.08	97.05	\$158,096	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	129 General Medicine	900	0	0.5	0.00	0.60	-100.00	-\$10,855	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	3,423	47	36.9	13.73	10.77	27.44	\$202,966	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	133 Thoracic Surgery	108	6	4.0	55.56	37.04	50.00	\$38,329	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	135 Gynecological Su	474	0	0.4	0.00	0.83	-100.00	-\$7,893	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	137 Gynecology	125	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	145 Hematology	564	0	0.9	0.00	1.53	-100.00	-\$17,286	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	165 Infectious Disea	1,590	4	1.4	2.52	0.91	177.70	\$51,321	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	170 HIV	0	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	245 Neonatology	0	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	250 Nephrology	1,639	12	5.6	7.32	3.45	112.47	\$127,432	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Sur	611	28	20.0	45.83	32.73	40.00	\$160,769	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	255 Neurology	3,449	9	6.5	2.61	1.90	37.65	\$49,371	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	262 Obstetrics/Deliv	2,489	0	0.4	0.00	0.15	-100.00	-\$7,480	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	267 Oncology	129	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	600	37	26.1	61.67	43.51	41.75	\$218,645	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	271 Ophthalmologic S	40	1	0.1	25.00	3.17	687.87	\$17,518	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	272 Ophthalmology	96	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surge	3,672	21	12.4	5.72	3.38	69.23	\$172,356	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	276 Orthopedics	989	3	1.2	3.03	1.23	147.62	\$35,877	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	280 Other Obstetrics	513	1	0.7	1.95	1.30	50.00	\$6,687	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	283 Otolaryngology	620	0	0.2	0.00	0.29	-100.00	-\$3,612	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	293 Psychiatry	2,574	1	0.4	0.39	0.15	155.26	\$12,193	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	294 Substance Abuse	319	0	0.7	0.00	2.13	-100.00	-\$13,636	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	3,464	21	15.2	6.06	4.39	38.25	\$116,530	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	330 Rheumatology	469	0	0.5	0.00	1.05	-100.00	-\$9,884	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	370 Transplant Surge	0	0	0.0	0.00	0.00	0.00	\$0	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	387 Urological Surge	899	9	4.9	10.01	5.49	82.26	\$81,496	
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	390 Urology	217	0	0.1	0.00	0.61	-100.00	-\$2,675	

**Maryland St. Elsewhere Hospital FY2008 Date PPC Analysis**  
**PPC Rates by PPC Group by APR DRG - Top 25 APR DRG with Highest Cost Impact**

PPC	Service Line	PPC APR DRG Rank	APR DRG	APR Desc	Discharges At Risk for PPCs	Discharges with one or more PPCs		Difference	Total Impact Using Statewide Avg Expected Times PPC Charge
						Observed	Expected		
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	085 ENT Surgery	1	089	Maj cranial/facial bone proc	69	12	5.1	6.94	\$139,294
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	2	021	Craniotomy exc for trauma	247	24	17.6	6.41	\$128,694
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	250 Nephrology	3	460	Renal failure	502	9	3.4	5.58	\$111,863
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surgery	4	321	Genv spinal fus/oth back&nk pr	448	7	2.2	4.75	\$95,383
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular Surg	5	173	Other vascular procedures	381	8	3.6	4.42	\$88,723
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	6	165	Coronary bypass w cath/percut	106	8	3.6	4.38	\$87,788
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	7	282	Pancreas disord exc malign	421	6	2.2	3.81	\$76,347
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	8	224	Peritoneal adhesiolysis	62	5	1.2	3.76	\$75,444
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	255 Neurology	9	045	CVA w infarct	659	7	3.7	3.34	\$66,983
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	10	711	Postop/traum/dev infect w proc	149	6	2.7	3.31	\$66,436
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surgery	11	304	Dors/lumb fusion exc curv back	456	5	1.7	3.29	\$65,980
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	12	166	Coronary bypass wo cath/percut	144	10	6.7	3.25	\$65,252
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	13	137	Major respiratory infections	185	7	4.0	3.00	\$60,157
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	14	364	Other skin & subcut proc	147	3	0.5	2.46	\$49,435
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	15	023	Spinal procedures	45	3	0.6	2.37	\$47,627
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	16	280	Alcoholic liver disease	65	3	0.7	2.35	\$47,057
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	17	279	Hepatic coma/oth maj liv dis	31	3	0.7	2.32	\$46,520
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	18	162	Cardiac valve proc w/cath	37	4	1.9	2.12	\$42,621
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	19	161	Card defib/heart asst implant	128	3	1.2	1.85	\$37,047
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	165 Infectious Disease	20	344	Bone/joint/oth musckel infect	87	2	0.2	1.83	\$36,668
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	21	228	Ing, fem & umbil hernia proc	70	2	0.3	1.73	\$34,732
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	387 Urological Surgery	22	440	Kidney transplant	197	5	3.3	1.69	\$33,995
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular Surg	23	169	Maj thorac&abdom vascular proc	70	6	4.4	1.58	\$31,772
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	040 Invasive Cardiology	24	174	Percut cardiovasc proc w/AMI	343	3	1.4	1.57	\$31,579
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	25	134	Pulmonary embolism	212	2	0.5	1.48	\$29,774

**Maryland St. Elsewhere Hospital FY2008 Date PPC Analysis**  
**PPC Rates by PPC Group by APR DRG with SOI - Top 25 APR DRG with Highest Cost Impact**

PPC	Service Line	PPC APR DRG Rank	APR DRG	APR SOI	APR Desc	Discharges At Risk for PPCs	Discharges with one or more PPCs		Difference Obs-Exp	Total Impact Using Statewide Avg Expected Times PPC Charge
							Observed	Expected		
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	085 ENT Surgery	1	089	2	Maj cranial/facial bone proc	32	7	3.1	3.93	\$78,884
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	085 ENT Surgery	1	089	3	Maj cranial/facial bone proc	20	4	1.7	2.26	\$45,362
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	085 ENT Surgery	1	089	1	Maj cranial/facial bone proc	15	1	0.3	0.75	\$15,048
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	2	021	3	Craniotomy exc for trauma	84	16	13.1	2.86	\$57,433
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	2	021	2	Craniotomy exc for trauma	79	5	2.6	2.42	\$48,490
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	2	021	1	Craniotomy exc for trauma	80	2	1.2	0.84	\$16,870
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	2	021	4	Craniotomy exc for trauma	4	1	0.7	0.29	\$5,901
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	250 Nephrology	3	460	3	Renal failure	396	6	1.9	4.09	\$82,010
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	250 Nephrology	3	460	4	Renal failure	38	3	1.0	2.00	\$40,209
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surgery	4	321	2	Cerv spinal fus/oth back&nk pr	189	4	1.3	2.73	\$54,774
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surgery	4	321	3	Cerv spinal fus/oth back&nk pr	34	3	1.0	2.02	\$40,609
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular Surg	5	173	3	Other vascular procedures	127	5	2.3	2.65	\$53,207
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular Surg	5	173	2	Other vascular procedures	171	3	0.8	2.20	\$44,240
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	6	165	2	Coronary bypass w cath/percut	49	3	0.8	2.17	\$43,598
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	6	165	1	Coronary bypass w cath/percut	13	2	0.4	1.60	\$32,145
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	6	165	3	Coronary bypass w cath/percut	40	3	2.2	0.81	\$16,268
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	7	282	3	Pancreas disord exc malign	116	4	1.3	2.68	\$53,841
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	7	282	4	Pancreas disord exc malign	12	1	0.2	0.82	\$16,361
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	7	282	2	Pancreas disord exc malign	221	1	0.6	0.41	\$8,269
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	8	224	2	Peritoneal adhesiolysis	26	3	0.9	2.11	\$42,294
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	8	224	4	Peritoneal adhesiolysis	1	1	0.1	0.93	\$18,632
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	8	224	3	Peritoneal adhesiolysis	17	1	0.3	0.72	\$14,519
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	255 Neurology	9	045	3	CVA w infarct	206	6	2.4	3.62	\$72,565
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	255 Neurology	9	045	2	CVA w infarct	362	1	0.4	0.63	\$12,729
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	10	711	2	Postop/traum/dev infect w proc	67	2	0.6	1.37	\$27,452
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	10	711	3	Postop/traum/dev infect w proc	43	2	0.9	1.12	\$22,460
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	10	711	4	Postop/traum/dev infect w proc	20	2	1.2	0.82	\$16,523
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	274 Orthopedic Surgery	11	304	3	Dors/lumb fusion exc curv back	43	5	0.8	4.16	\$83,551
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	12	166	3	Coronary bypass wo cath/percut	59	7	4.2	2.79	\$55,892
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	12	166	4	Coronary bypass wo cath/percut	4	2	0.5	1.53	\$30,687
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	13	137	3	Major respiratory infections	107	5	2.2	2.80	\$56,247
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	13	137	4	Major respiratory infections	24	2	1.5	0.54	\$10,899
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	14	364	2	Other skin & subcut proc	58	2	0.3	1.72	\$34,451
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	14	364	3	Other skin & subcut proc	29	1	0.3	0.75	\$14,984
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	15	023	3	Spinal procedures	16	2	0.6	1.41	\$28,347
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	252 Neurological Surgery	15	023	2	Spinal procedures	10	1	0.0	0.96	\$19,280
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	16	280	3	Alcoholic liver disease	43	3	0.5	2.46	\$49,453
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	125 Gastroenterology	17	279	3	Hepatic coma/oth maj liv dis	20	3	0.6	2.37	\$47,453
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	18	162	3	Cardiac valve proc w/cath	21	3	1.1	1.88	\$37,820
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	18	162	2	Cardiac valve proc w/cath	9	1	0.4	0.60	\$12,097
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	19	161	3	Card defib/heart asst implant	65	2	0.6	1.37	\$27,452
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	269 Cardiac Surgery	19	161	4	Card defib/heart asst implant	6	1	0.5	0.48	\$9,595
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	165 Infectious Disease	20	344	4	Bone/joint/oth musckel infect	3	1	0.1	0.92	\$18,479
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	165 Infectious Disease	20	344	3	Bone/joint/oth musckel infect	38	1	0.1	0.91	\$18,188
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	132 General Surgery	21	228	3	Ing, fem & umbil hernia proc	16	2	0.3	1.73	\$34,732
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	387 Urological Surgery	22	440	2	Kidney transplant	103	2	1.1	0.86	\$17,169
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	387 Urological Surgery	22	440	3	Kidney transplant	37	3	2.2	0.84	\$16,826
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	055 Cardiovascular Surg	23	169	2	Maj thorac&abdom vascular proc	67	4	1.3	2.70	\$54,118
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	040 Invasive Cardiology	24	174	2	Percut cardiovasc proc w/AMI	166	1	0.3	0.74	\$14,868
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	040 Invasive Cardiology	24	174	3	Percut cardiovasc proc w/AMI	60	1	0.5	0.48	\$9,591
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	040 Invasive Cardiology	24	174	4	Percut cardiovasc proc w/AMI	15	1	0.6	0.35	\$7,121
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	25	134	4	Pulmonary embolism	6	1	0.1	0.94	\$18,939
04 ACUTE PULMONARY EDEMA AND RESPIRATORY FAILURE WITH MECHANICAL VENTILATION	296 Pulmonary	25	134	3	Pulmonary embolism	80	1	0.5	0.54	\$10,835