

**Bulletin Number:** MSA 07-65

**Distribution:** Hospitals, Medicaid Health Plans

**Issued:** December 1, 2007

**Subject:** Rebasing DRG Rates  
DRG Grouper Update  
Per Diem Rates Update

**Effective:** January 1, 2008

**Programs Affected:** Medicaid, Children's Special Health Care Services (CSHCS)

Effective January 1, 2008, claims for inpatient hospital admissions reimbursed using the Diagnosis Related Group (DRG) methodology will be processed using the Medicare Grouper Version 25.0. The Michigan Department of Community Health (MDCH) has established its own relative weights, average lengths of stay, and high and low day outlier thresholds for each DRG based on paid claims data taken from Medicaid and CSHCS hospital admissions. The DRG hospital prices and relative weights will be rebased with the following changes:

- Four years of fee for service paid claims data will be used. The base period for inpatient hospital admissions is from September 1, 2002 through August 31, 2006.
- Three years of hospital cost report data will be used. The data used to calculate the hospital cost to charge ratios and Indirect Medical Education (IME) adjustors will be taken from hospital cost reports ending between September 1, 2003 and August 31, 2006. The wage data will be drawn from the Centers for Medicare Medicaid Services (CMS) audited wage data as published in the Federal Register and includes the three most recent periods available for hospital cost reports ending between September 1, 2002 and August 31, 2005. Filed wage data will be used for hospitals where audited data are not available. All hospital cost report and wage data are weighted 60% for the most recent period, 24% for the middle period and 16% for the oldest period.
- Hospitals will be grouped by U.S. Census Core Based Statistical Areas (CBSAs) as determined by CMS for the Medicare program for wage data.
- The IME formula used to set medical/surgical hospital, distinct part rehabilitation unit, and rehabilitation hospital prices will be changed by replacing the 0.5005 multiplier with a 0.4290 multiplier. Each hospital's IME adjustor is calculated as follows:

$$1 + [(1 + \text{Interns \& Residents / Beds}) 0.5795 - 1] \times 0.4290$$

- A budget neutrality factor will continue to be included in the hospital price calculation. Hospital prices will be reduced by the percentage necessary so that total aggregate hospital payments using the new hospital prices and DRG relative weights do not exceed the total aggregate hospital payments made using the prior hospital base period data and DRG Grouper relative weights. The estimate will be based on one year's paid claims for the period of September 1, 2005 through August 31, 2006, paid by June 30, 2007. The calculated DRG prices will be deflated by the percentage necessary for the total payments to equal the amount currently paid.

### Hospital Cost Report Data

Data used to develop the hospital cost to charge ratios and hospital IME adjustors will be taken from filed cost reports submitted to and accepted by MDCH. The most recent data available to MDCH will be used. For the current rebasing, data will be taken from hospital cost reports for fiscal years ending in the following three periods:

- 1 - September 1, 2003 to August 31, 2004
- 2 - September 1, 2004 to August 31, 2005
- 3 - September 1, 2005 to August 31, 2006

Inflation and weighting factors are applied to bring all periods up to a common point in time. The following factors, with inflation derived from the 1<sup>st</sup> Quarter 2007 Global Insight PPS - Type Hospital Market Basket Index, will be used.

<u>Fiscal Year Ending</u>	<u>Cost Inflation Factors</u>	<u>Weighting Factors</u>
9/30/03	1.1605	0.16
12/31/03	1.1504	0.16
3/31/04	1.1409	0.16
6/30/04	1.1272	0.16
9/30/04	1.1121	0.24
12/31/04	1.0964	0.24
3/31/05	1.0818	0.24
6/30/05	1.0675	0.24
9/30/05	1.0523	0.60
12/31/05	1.0369	0.60
3/31/06	1.0230	0.60
6/30/06	1.0103	0.60
8/31/06	1.0000	0.60

Rates will be adjusted by an inflation factor of 1.0405 for the period from August 31, 2006 to January 1, 2008.

### Audited Wage Data

Salary and wage data used to develop the base and update cost adjustors are taken from the CMS website, public use files. All data were subject to appeal through the hospital's Medicare Fiscal Intermediary. The most recent data available to MDCH will be used. This includes hospital cost report data for fiscal years included in the following three years:

- 1 - September 1, 2002 through August 31, 2003
- 2 - September 1, 2003 through August 31, 2004
- 3 - September 1, 2004 through August 31, 2005

<u>Fiscal Year Ending</u>	<u>Wage Inflation Factors</u>	<u>Weighting Factors</u>
9/30/02	1.1457	0.16
12/31/02	1.1330	0.16
3/31/03	1.1192	0.16
6/30/03	1.1104	0.16
9/30/03	1.1003	0.24
12/31/03	1.0900	0.24
3/31/04	1.0789	0.24
6/30/04	1.0651	0.24
9/30/04	1.0510	0.60
12/31/04	1.0377	0.60
3/31/05	1.0251	0.60
6/30/05	1.0126	0.60
8/31/05	1.0000	0.60

### Rehabilitation Hospitals and Distinct-Part Units

Rehabilitation hospitals and distinct-part rehabilitation units per diems will be updated using the same base period, cost report periods, inflation and weighting factors used for the medical/surgical hospitals. Hospitals will be grouped by U.S. Census CBSAs as published in the most recent Federal Register for wage data.

### Age Categorized DRGs:

MDCH will adjust DRGs that were previously age categorized by including alternate weights using the following criteria to establish consistency.

### Criteria for Creating a Pediatric Alternate Weight:

1. A significant difference in average cost exists between the pediatric and the adult population; and
2. A significant difference in average cost exists between the pediatric population and the DRG average; and
3. A significant volume of data are available; and
4. A significant change in weight occurs due to the application of alternate weight status; and
5. The conditions above hold true for all severity levels of DRG
6. Additional consideration is applied to DRGs meeting four of the five criteria above that contained a prior division for the pediatric population

The following base DRGs and corresponding severity levels will have an alternate weight assignment for patients age 0-17 upon admission based on the above criteria:

<u>DRG</u>	<u>Description</u>
85-87	Traumatic stupor & coma, coma < 1 hour
88-90	Concussion
100-101	Seizures
102-103	Headaches
152-153	Otitis media & URI
190-192	Chronic obstructive pulmonary disease
193-195	Simple pneumonia & pleurisy
202-203	Bronchitis & asthma
204	Respiratory signs & symptoms

<u>DRG</u>	<u>Description</u>
326-328	Stomach, esophageal & duodenal procedure
480-482	Hip & femur procedures except major joint
492-494	Lower extrem & humer procedure except hip,foot,femur
640-641	Nutritional & miscellaneous metabolic disorders
642	Inborn errors of metabolism
727-728	Inflammation of the male reproductive system
811-812	Red blood cell disorders
837-839	Chemo with acute leukemia as sdx or with high dose chemo agent
864	Fever of unknown origin
865-866	Viral illness
915-916	Allergic reactions
917-918	Poisoning & toxic effects of drugs
919-921	Complications of treatment

Note that previously established policy concerning alternate weights for Neonatal Intensive Care Unit (NICU) cases remains in effect and will follow the assigned alternate weight for DRGs 789-794.

#### **Manual Maintenance**

Retain this bulletin until the information has been incorporated into the Michigan Medicaid Provider Manual.

#### **Questions**

Any questions regarding this bulletin should be directed to Provider Inquiry, Department of Community Health, P.O. Box 30731, Lansing, Michigan 48909-8231, or e-mail at [ProviderSupport@michigan.gov](mailto:ProviderSupport@michigan.gov). When you submit an e-mail, be sure to include your name, affiliation, and phone number so you may be contacted if necessary. Providers may phone toll-free 1-800-292-2550.

#### **Approved**



Paul Reinhart, Director  
Medical Services Administration

**Michigan Department of Community Health**  
**Medicaid DRG Grouper Update 25.0**

<b>DRG</b>	<b>MDC</b>	<b>Type</b>	<b>Description</b>	<b>Relative Weight</b>	<b>Avg LOS</b>	<b>Low Day</b>	<b>High Day</b>	<b>Count</b>
1	PRE	SURG	Heart transplant or implant of heart assist system w MCC	<i>Paid percent of charge</i>				
2	PRE	SURG	Heart transplant or implant of heart assist system w/o MCC	<i>Paid percent of charge</i>				
3	PRE	SURG	ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R.	23.7331	43.46	6	81	802
4	PRE	SURG	Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R.	13.9487	34.68	3	70	589
5	PRE	SURG	Liver transplant w MCC or intestinal transplant	<i>Paid percent of charge</i>				
6	PRE	SURG	Liver transplant w/o MCC	<i>Paid percent of charge</i>				
7	PRE	SURG	Lung transplant	<i>Paid percent of charge</i>				
8	PRE	SURG	Simultaneous pancreas/kidney transplant	<i>Paid percent of charge</i>				
9	PRE	SURG	Bone marrow transplant	<i>Paid percent of charge</i>				
10	PRE	SURG	Pancreas transplant	<i>Paid percent of charge</i>				
11	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w MCC	5.9973	17.23	5	50	75
12	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w CC	3.6611	10.74	3	50	130
13	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC	2.3788	7.32	1	50	74
20	01	SURG	Intracranial vascular procedures w PDX hemorrhage w MCC	12.0673	19.73	2	50	53
21	01	SURG	Intracranial vascular procedures w PDX hemorrhage w CC	8.7825	16.50	3	50	47
22	01	SURG	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC	4.8892	9.74	1	50	33
23	01	SURG	Craniotomy w major device implant or acute complex CNS PDX w MCC	6.7581	14.15	1	50	166
24	01	SURG	Craniotomy w major device implant or acute complex CNS PDX w/o MCC	5.0296	11.31	1	50	67
25	01	SURG	Craniotomy & endovascular intracranial procedures w MCC	6.5686	15.04	1	50	300
26	01	SURG	Craniotomy & endovascular intracranial procedures w CC	3.7392	8.89	1	50	574
27	01	SURG	Craniotomy & endovascular intracranial procedures w/o CC/MCC	2.6759	5.27	1	50	474
28	01	SURG	Spinal procedures w MCC	7.1712	15.20	1	50	60
29	01	SURG	Spinal procedures w CC	3.8080	9.61	1	50	156
30	01	SURG	Spinal procedures w/o CC/MCC	2.5686	5.54	1	50	150
31	01	SURG	Ventricular shunt procedures w MCC	4.1982	11.60	1	50	154
32	01	SURG	Ventricular shunt procedures w CC	1.8417	4.86	1	50	543
33	01	SURG	Ventricular shunt procedures w/o CC/MCC	1.3929	3.38	1	50	235
34	01	SURG	Carotid artery stent procedure w MCC	7.6283	17.00	12	50	2
35	01	SURG	Carotid artery stent procedure w CC	2.1230	3.00	2	50	3
36	01	SURG	Carotid artery stent procedure w/o CC/MCC	2.9465	1.60	1	50	5
37	01	SURG	Extracranial procedures w MCC	5.3065	11.23	1	50	21
38	01	SURG	Extracranial procedures w CC	2.1434	4.81	1	50	61
39	01	SURG	Extracranial procedures w/o CC/MCC	1.5843	2.72	1	50	158
40	01	SURG	Periph & cranial nerve & other nerv syst proc w MCC	5.0740	15.21	1	50	74
41	01	SURG	Periph & cranial nerve & other nerv syst proc w CC	2.3202	8.16	1	50	204

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42	01	SURG	Periph & cranial nerve & other nerv syst proc w/o CC/MCC	1.8794	4.54	1	50	173
52	01	MED	Spinal disorders & injuries w CC/MCC	2.2158	8.71	1	50	27
53	01	MED	Spinal disorders & injuries w/o CC/MCC	1.2675	4.39	1	50	31
54	01	MED	Nervous system neoplasms w MCC	2.1318	7.23	1	50	68
55	01	MED	Nervous system neoplasms w/o MCC	1.3227	4.93	1	50	346
56	01	MED	Degenerative nervous system disorders w MCC	1.8698	7.83	1	50	46
57	01	MED	Degenerative nervous system disorders w/o MCC	1.0485	5.13	1	50	189
58	01	MED	Multiple sclerosis & cerebellar ataxia w MCC	2.2197	9.52	1	50	27
59	01	MED	Multiple sclerosis & cerebellar ataxia w CC	1.3323	5.94	1	50	93
60	01	MED	Multiple sclerosis & cerebellar ataxia w/o CC/MCC	0.9652	4.13	1	50	189
61	01	MED	Acute ischemic stroke w use of thrombolytic agent w MCC	3.2590	7.67	5	50	4
62	01	MED	Acute ischemic stroke w use of thrombolytic agent w CC	2.4009	6.32	2	50	15
63	01	MED	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC	2.1633	5.00	3	50	6
64	01	MED	Intracranial hemorrhage or cerebral infarction w MCC	2.9130	9.50	1	50	410
65	01	MED	Intracranial hemorrhage or cerebral infarction w CC	1.8013	6.73	1	50	758
66	01	MED	Intracranial hemorrhage or cerebral infarction w/o CC/MCC	1.3062	4.17	1	50	645
67	01	MED	Nonspecific cva & precerebral occlusion w/o infarct w MCC	2.0949	7.31	1	50	16
68	01	MED	Nonspecific cva & precerebral occlusion w/o infarct w/o MCC	1.2727	4.92	1	50	154
69	01	MED	Transient ischemia	0.8935	3.23	1	50	458
70	01	MED	Nonspecific cerebrovascular disorders w MCC	2.4889	9.56	1	50	41
71	01	MED	Nonspecific cerebrovascular disorders w CC	1.5369	6.64	1	50	83
72	01	MED	Nonspecific cerebrovascular disorders w/o CC/MCC	1.1631	7.02	1	50	45
73	01	MED	Cranial & peripheral nerve disorders w MCC	1.6593	7.68	1	50	92
74	01	MED	Cranial & peripheral nerve disorders w/o MCC	0.9879	4.55	1	50	636
75	01	MED	Viral meningitis w CC/MCC	1.1501	4.81	1	50	114
76	01	MED	Viral meningitis w/o CC/MCC	0.6766	3.17	1	50	461
77	01	MED	Hypertensive encephalopathy w MCC	2.5503	9.18	1	50	22
78	01	MED	Hypertensive encephalopathy w CC	1.5314	4.39	1	50	17
79	01	MED	Hypertensive encephalopathy w/o CC/MCC	1.4712	4.08	1	50	12
80	01	MED	Nontraumatic stupor & coma w MCC	1.8118	5.18	1	50	16
81	01	MED	Nontraumatic stupor & coma w/o MCC	0.8360	3.07	1	50	90
82	01	MED	Traumatic stupor & coma, coma >1 hr w MCC	2.9373	6.90	1	50	60
83	01	MED	Traumatic stupor & coma, coma >1 hr w CC	1.7952	4.26	1	50	26
84	01	MED	Traumatic stupor & coma, coma >1 hr w/o CC/MCC	1.3546	3.11	1	50	73
85	01	MED	Traumatic stupor & coma, coma <1 hr w MCC	2.7709	9.84	1	50	37

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<b>DRG</b>	<b>MDC</b>	<b>Type</b>	<b>Description</b>	<b>Relative Weight</b>	<b>Avg LOS</b>	<b>Low Day</b>	<b>High Day</b>	<b>Count</b>
85.1	01	MED	Traumatic stupor & coma, coma <1 hr w MCC Age 0-17	1.4176	4.67	1	50	3
86	01	MED	Traumatic stupor & coma, coma <1 hr w CC	1.8289	5.54	1	50	79
86.1	01	MED	Traumatic stupor & coma, coma <1 hr w CC Age 0-17	0.8557	3.04	1	50	24
87	01	MED	Traumatic stupor & coma, coma <1 hr w/o CC/MCC	0.9542	2.73	1	50	151
87.1	01	MED	Traumatic stupor & coma, coma <1 hr w/o CC/MCC Age 0-17	0.5463	1.88	1	50	178
88	01	MED	Concussion w MCC	1.3237	3.27	1	50	11
88.1	01	MED	Concussion w MCC Age 0-17	0.3658	3.00	3	50	1
89	01	MED	Concussion w CC	1.0271	2.80	1	50	43
89.1	01	MED	Concussion w CC Age 0-17	0.7139	1.63	1	50	8
90	01	MED	Concussion w/o CC/MCC	0.7550	1.66	1	50	97
90.1	01	MED	Concussion w/o CC/MCC Age 0-17	0.4766	1.93	1	50	73
91	01	MED	Other disorders of nervous system w MCC	2.0364	7.77	1	50	121
92	01	MED	Other disorders of nervous system w CC	1.2235	5.28	1	50	214
93	01	MED	Other disorders of nervous system w/o CC/MCC	0.7912	2.70	1	50	298
94	01	MED	Bacterial & tuberculous infections of nervous system w MCC	4.4247	16.06	1	50	78
95	01	MED	Bacterial & tuberculous infections of nervous system w CC	3.1034	12.59	2	50	54
96	01	MED	Bacterial & tuberculous infections of nervous system w/o CC/MCC	2.0750	7.53	1	50	50
97	01	MED	Non-bacterial infect of nervous sys exc viral meningitis w MCC	4.6889	17.37	1	50	29
98	01	MED	Non-bacterial infect of nervous sys exc viral meningitis w CC	2.6228	10.82	1	50	34
99	01	MED	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC	1.4982	7.07	1	50	61
100	01	MED	Seizures w MCC	1.6867	5.92	1	50	400
100.1	01	MED	Seizures w MCC Age 0-17	1.0300	4.65	1	50	302
101	01	MED	Seizures w/o MCC	0.7839	3.06	1	50	1,541
101.1	01	MED	Seizures w/o MCC Age 0-17	0.5028	2.64	1	50	1,551
102	01	MED	Headaches w MCC	1.5282	6.29	1	50	34
102.1	01	MED	Headaches w MCC Age 0-17	1.0306	3.39	1	50	17
103	01	MED	Headaches w/o MCC	0.7962	3.03	1	50	541
103.1	01	MED	Headaches w/o MCC Age 0-17	0.5344	3.09	1	50	116
113	02	SURG	Orbital procedures w CC/MCC	1.9178	4.96	1	50	24
114	02	SURG	Orbital procedures w/o CC/MCC	1.2984	3.13	1	50	31
115	02	SURG	Extraocular procedures except orbit	1.5397	4.68	1	50	36
116	02	SURG	Intraocular procedures w CC/MCC	2.5482	10.26	1	50	27
117	02	SURG	Intraocular procedures w/o CC/MCC	1.0765	2.78	1	50	39
121	02	MED	Acute major eye infections w CC/MCC	0.8672	4.16	1	50	25
122	02	MED	Acute major eye infections w/o CC/MCC	0.5213	2.76	1	50	72

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123	02	MED	Neurological eye disorders	0.8890	2.96	1	50	72
124	02	MED	Other disorders of the eye w MCC	1.7939	6.73	1	50	24
125	02	MED	Other disorders of the eye w/o MCC	0.7020	3.01	1	50	152
129	03	SURG	Major head & neck procedures w CC/MCC or major device	3.4192	3.71	1	50	75
130	03	SURG	Major head & neck procedures w/o CC/MCC	1.6751	2.67	1	50	15
131	03	SURG	Cranial/facial procedures w CC/MCC	2.3588	5.51	1	50	57
132	03	SURG	Cranial/facial procedures w/o CC/MCC	1.3140	2.57	1	50	195
133	03	SURG	Other ear, nose, mouth & throat O.R. procedures w CC/MCC	1.7854	5.40	1	50	269
134	03	SURG	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC	0.8517	2.49	1	50	798
135	03	SURG	Sinus & mastoid procedures w CC/MCC	2.3454	7.07	1	50	15
136	03	SURG	Sinus & mastoid procedures w/o CC/MCC	1.8416	4.67	1	50	15
137	03	SURG	Mouth procedures w CC/MCC	1.2981	4.67	1	50	54
138	03	SURG	Mouth procedures w/o CC/MCC	1.2466	3.43	1	50	44
139	03	SURG	Salivary gland procedures	0.9523	1.87	1	50	15
146	03	MED	Ear, nose, mouth & throat malignancy w MCC	2.4407	9.42	1	50	30
147	03	MED	Ear, nose, mouth & throat malignancy w CC	1.7264	7.08	1	50	67
148	03	MED	Ear, nose, mouth & throat malignancy w/o CC/MCC	1.2228	3.89	1	50	44
149	03	MED	Dysequilibrium	0.7218	2.80	1	50	122
150	03	MED	Epistaxis w MCC	0.7840	3.86	1	50	7
151	03	MED	Epistaxis w/o MCC	0.6467	3.77	1	50	48
152	03	MED	Otitis media & URI w MCC	1.4708	5.74	1	50	34
152.1	03	MED	Otitis media & URI w MCC Age 0-17	0.7209	3.29	1	50	122
153	03	MED	Otitis media & URI w/o MCC	0.6312	2.58	1	50	351
153.1	03	MED	Otitis media & URI w/o MCC Age 0-17	0.4160	2.24	1	50	1,446
154	03	MED	Nasal trauma & deformity w MCC	1.7234	5.95	1	50	60
155	03	MED	Nasal trauma & deformity w CC	0.9715	3.94	1	50	116
156	03	MED	Nasal trauma & deformity w/o CC/MCC	0.6716	2.74	1	50	247
157	03	MED	Dental & Oral Diseases w MCC	1.7103	5.13	1	50	37
158	03	MED	Dental & Oral Diseases w CC	0.8624	3.25	1	50	155
159	03	MED	Dental & Oral Diseases w/o CC/MCC	0.7239	2.60	1	50	214
163	04	SURG	Major chest procedures w MCC	5.4894	16.23	1	50	250
164	04	SURG	Major chest procedures w CC	3.1286	9.32	2	50	185
165	04	SURG	Major chest procedures w/o CC/MCC	2.1732	5.86	1	50	203
166	04	SURG	Other resp system O.R. procedures w MCC	4.6905	14.92	1	50	254
167	04	SURG	Other resp system O.R. procedures w CC	2.5371	8.60	2	50	303



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168	04	SURG	Other resp system O.R. procedures w/o CC/MCC	1.6397	5.73	1	50	92
175	04	MED	Pulmonary embolism w MCC	2.2021	8.04	1	50	86
176	04	MED	Pulmonary embolism w/o MCC	1.3254	5.73	1	50	438
177	04	MED	Respiratory infections & inflammations w MCC	2.1850	9.18	1	50	621
178	04	MED	Respiratory infections & inflammations w CC	1.8230	7.86	1	50	629
179	04	MED	Respiratory infections & inflammations w/o CC/MCC	1.6432	6.68	1	50	380
180	04	MED	Respiratory neoplasms w MCC	2.1014	8.32	1	50	272
181	04	MED	Respiratory neoplasms w CC	1.8143	6.41	1	50	434
182	04	MED	Respiratory neoplasms w/o CC/MCC	1.2922	4.56	1	50	76
183	04	MED	Major chest trauma w MCC	2.2004	7.63	2	50	8
184	04	MED	Major chest trauma w CC	0.9889	2.89	1	50	27
185	04	MED	Major chest trauma w/o CC/MCC	0.6063	2.00	1	50	5
186	04	MED	Pleural effusion w MCC	1.9027	8.29	1	50	57
187	04	MED	Pleural effusion w CC	1.2641	5.24	1	50	80
188	04	MED	Pleural effusion w/o CC/MCC	1.0640	3.66	1	50	29
189	04	MED	Pulmonary edema & respiratory failure	1.6722	6.00	1	50	663
190	04	MED	Chronic obstructive pulmonary disease w MCC	1.4323	5.78	1	50	379
190.1	04	MED	Chronic obstructive pulmonary disease w MCC Age 0-17	2.0044	11.50	1	50	11
191	04	MED	Chronic obstructive pulmonary disease w CC	1.1082	4.43	1	50	964
191.1	04	MED	Chronic obstructive pulmonary disease w CC Age 0-17	0.8084	8.88	1	50	8
192	04	MED	Chronic obstructive pulmonary disease w/o CC/MCC	0.8393	3.48	1	50	1,837
192.1	04	MED	Chronic obstructive pulmonary disease w/o CC/MCC Age 0-17	0.4781	20.24	1	50	29
193	04	MED	Simple pneumonia & pleurisy w MCC	1.8206	7.43	1	50	489
193.1	04	MED	Simple pneumonia & pleurisy w MCC Age 0-17	1.1166	5.73	1	50	361
194	04	MED	Simple pneumonia & pleurisy w CC	1.1559	4.54	1	50	1,701
194.1	04	MED	Simple pneumonia & pleurisy w CC Age 0-17	0.7330	4.01	1	50	1,402
195	04	MED	Simple pneumonia & pleurisy w/o CC/MCC	0.8424	3.32	1	50	940
195.1	04	MED	Simple pneumonia & pleurisy w/o CC/MCC Age 0-17	0.4832	2.73	1	50	1,769
196	04	MED	Interstitial lung disease w MCC	2.0632	9.89	1	50	74
197	04	MED	Interstitial lung disease w CC	1.5567	7.10	1	50	136
198	04	MED	Interstitial lung disease w/o CC/MCC	0.7586	3.84	1	50	135
199	04	MED	Pneumothorax w MCC	1.9444	7.88	1	50	57
200	04	MED	Pneumothorax w CC	1.2355	4.96	1	50	130
201	04	MED	Pneumothorax w/o CC/MCC	0.7876	4.04	1	50	218
202	04	MED	Bronchitis & asthma w CC/MCC	0.9198	3.71	1	50	532

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202.1	04	MED	Bronchitis & asthma w CC/MCC Age 0-17	0.6550	3.43	1	50	2,071
203	04	MED	Bronchitis & asthma w/o CC/MCC	0.5929	2.51	1	50	1,455
203.1	04	MED	Bronchitis & asthma w/o CC/MCC Age 0-17	0.4115	2.33	1	50	5,527
204	04	MED	Respiratory signs & symptoms	0.8708	2.78	1	50	273
204.1	04	MED	Respiratory signs & symptoms Age 0-17	0.5038	2.39	1	50	580
205	04	MED	Other respiratory system diagnoses w MCC	1.2379	5.03	1	50	144
206	04	MED	Other respiratory system diagnoses w/o MCC	0.8638	3.48	1	50	384
207	04	MED	Respiratory system diagnosis w ventilator support 96+ hours	6.0698	15.92	3	50	1,036
208	04	MED	Respiratory system diagnosis w ventilator support <96 hours	2.5035	6.82	1	50	1,233
215	05	SURG	Other heart assist system implant	18.8040	16.33	1	50	9
216	05	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC	14.0283	26.28	3	58	60
217	05	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w CC	7.3490	14.87	7	50	52
218	05	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC	7.5426	11.58	5	50	12
219	05	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC	8.6449	14.72	3	50	105
220	05	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC	5.6449	8.98	3	50	128
221	05	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC	4.5927	7.66	2	50	71
222	05	SURG	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC	12.3977	16.84	5	50	37
223	05	SURG	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC	8.6573	8.62	2	50	63
224	05	SURG	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC	10.6617	12.67	4	50	28
225	05	SURG	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC	7.9932	7.97	1	50	66
226	05	SURG	Cardiac defibrillator implant w/o cardiac cath w MCC	10.8136	12.66	1	50	56
227	05	SURG	Cardiac defibrillator implant w/o cardiac cath w/o MCC	7.5735	4.63	1	50	224
228	05	SURG	Other cardiothoracic procedures w MCC	9.2929	16.15	4	50	169
229	05	SURG	Other cardiothoracic procedures w CC	5.8469	10.45	2	50	177
230	05	SURG	Other cardiothoracic procedures w/o CC/MCC	3.7151	5.85	1	50	110
231	05	SURG	Coronary bypass w PTCA w MCC	9.4213	15.33	1	50	19
232	05	SURG	Coronary bypass w PTCA w/o MCC	6.2886	8.88	4	50	33
233	05	SURG	Coronary bypass w cardiac cath w MCC	7.8419	15.54	5	50	153
234	05	SURG	Coronary bypass w cardiac cath w/o MCC	5.2789	9.46	4	50	353
235	05	SURG	Coronary bypass w/o cardiac cath w MCC	6.5447	13.60	2	50	52
236	05	SURG	Coronary bypass w/o cardiac cath w/o MCC	3.8106	7.38	3	50	235
237	05	SURG	Major cardiovascular procedures w MCC	8.2495	14.63	1	50	291
238	05	SURG	Major cardiovascular procedures w/o MCC	3.6331	7.21	1	50	340
239	05	SURG	Amputation for circ sys disorders exc upper limb & toe w MCC	5.6194	18.63	4	53	65
240	05	SURG	Amputation for circ sys disorders exc upper limb & toe w CC	3.4576	12.59	2	50	104

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241	05	SURG	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC	1.8938	6.96	2	50	23
242	05	SURG	Permanent cardiac pacemaker implant w MCC	4.4674	8.19	2	50	16
243	05	SURG	Permanent cardiac pacemaker implant w CC	4.0313	7.74	1	50	60
244	05	SURG	Permanent cardiac pacemaker implant w/o CC/MCC	3.1273	3.99	1	50	78
245	05	SURG	AICD lead & generator procedures	3.7374	5.21	1	50	24
246	05	SURG	Percutaneous cardiovascular proc w drug-eluting stent w MCC	4.2759	6.55	1	50	148
247	05	SURG	Percutaneous cardiovascular proc w drug-eluting stent w/o MCC	2.9370	2.42	1	50	1,413
248	05	SURG	Percutaneous cardiovasc proc w non-drug-eluting stent w MCC	3.6481	6.98	1	50	91
249	05	SURG	Percutaneous cardiovasc proc w non-drug-eluting stent w/o MCC	2.4043	3.21	1	50	810
250	05	SURG	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC	3.4282	7.53	1	50	49
251	05	SURG	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC	2.0003	3.53	1	50	413
252	05	SURG	Other vascular procedures w MCC	4.6193	13.03	1	50	163
253	05	SURG	Other vascular procedures w CC	3.0529	8.80	1	50	357
254	05	SURG	Other vascular procedures w/o CC/MCC	2.2839	4.38	1	50	205
255	05	SURG	Upper limb & toe amputation for circ system disorders w MCC	3.0296	11.71	1	50	16
256	05	SURG	Upper limb & toe amputation for circ system disorders w CC	2.1221	9.66	1	50	49
257	05	SURG	Upper limb & toe amputation for circ system disorders w/o CC/MCC	1.2601	4.33	1	50	6
258	05	SURG	Cardiac pacemaker device replacement w MCC	1.3649	1.33	1	50	3
259	05	SURG	Cardiac pacemaker device replacement w/o MCC	2.3432	2.71	2	50	7
260	05	SURG	Cardiac pacemaker revision except device replacement w MCC	9.7978	24.60	6	53	5
261	05	SURG	Cardiac pacemaker revision except device replacement w CC	1.7047	6.20	1	50	10
262	05	SURG	Cardiac pacemaker revision except device replacement w/o CC/MCC	1.8767	4.57	1	50	7
263	05	SURG	Vein ligation & stripping	0.9645	2.30	1	50	10
264	05	SURG	Other circulatory system O.R. procedures	3.0758	12.00	1	50	285
280	05	MED	Acute myocardial infarction, discharged alive w MCC	2.8675	8.81	1	50	331
281	05	MED	Acute myocardial infarction, discharged alive w CC	1.6557	4.85	1	50	303
282	05	MED	Acute myocardia infarction, discharged alive w/o CC/MCC	1.4059	2.77	1	50	322
283	05	MED	Acute myocardial infarction, expired w MCC	3.0368	6.87	1	50	89
284	05	MED	Acute myocardial infarction, expired w CC	2.0708	3.36	1	50	14
285	05	MED	Acute myocardial infarction, expired w/o CC/MCC	1.1939	1.40	1	50	5
286	05	MED	Circulatory disorders except AMI, w card cath w MCC	2.6599	8.50	1	50	253
287	05	MED	Circulatory disorders except AMI, w card cath w/o MCC	1.4692	3.80	1	50	1,880
288	05	MED	Acute & subacute endocarditis w MCC	4.3311	13.48	1	50	59
289	05	MED	Acute & subacute endocarditis w CC	2.1653	10.85	1	50	31
290	05	MED	Acute & subacute endocarditis w/o CC/MCC	1.3756	4.88	2	50	7

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291	05	MED	Heart failure & shock w MCC	1.7235	6.93	1	50	1,036
292	05	MED	Heart failure & shock w CC	1.1395	4.99	1	50	1,710
293	05	MED	Heart failure & shock w/o CC/MCC	0.8373	3.71	1	50	1,523
294	05	MED	Deep vein thrombophlebitis w CC/MCC	1.2125	5.33	1	50	20
295	05	MED	Deep vein thrombophlebitis w/o CC/MCC	0.8343	7.06	1	50	18
296	05	MED	Cardiac arrest, unexplained w MCC	1.6103	2.20	1	50	40
297	05	MED	Cardiac arrest, unexplained w CC	1.2304	1.71	1	50	14
298	05	MED	Cardiac arrest, unexplained w/o CC/MCC	0.6974	1.00	1	50	6
299	05	MED	Peripheral vascular disorders w MCC	2.0947	7.62	1	50	142
300	05	MED	Peripheral vascular disorders w CC	1.0886	5.63	1	50	512
301	05	MED	Peripheral vascular disorders w/o CC/MCC	0.8398	4.34	1	50	367
302	05	MED	Atherosclerosis w MCC	1.3147	5.07	1	50	36
303	05	MED	Atherosclerosis w/o MCC	0.8513	3.02	1	50	668
304	05	MED	Hypertension w MCC	1.2459	4.91	1	50	55
305	05	MED	Hypertension w/o MCC	0.8154	2.97	1	50	564
306	05	MED	Cardiac congenital & valvular disorders w MCC	2.8960	8.90	1	50	40
307	05	MED	Cardiac congenital & valvular disorders w/o MCC	0.9681	3.23	1	50	110
308	05	MED	Cardiac arrhythmia & conduction disorders w MCC	1.8755	6.37	1	50	139
309	05	MED	Cardiac arrhythmia & conduction disorders w CC	1.0296	4.08	1	50	315
310	05	MED	Cardiac arrhythmia & conduction disorders w/o CC/MCC	0.7937	3.00	1	50	644
311	05	MED	Angina pectoris	0.8079	2.84	1	50	330
312	05	MED	Syncope & collapse	0.7995	3.10	1	50	749
313	05	MED	Chest pain	0.7302	2.35	1	50	2,978
314	05	MED	Other circulatory system diagnoses w MCC	2.4216	9.13	1	50	923
315	05	MED	Other circulatory system diagnoses w CC	1.3398	5.50	1	50	711
316	05	MED	Other circulatory system diagnoses w/o CC/MCC	0.8100	3.47	1	50	243
326	06	SURG	Stomach, esophageal & duodenal proc w MCC	6.7046	17.64	2	50	144
326.1	06	SURG	Stomach, esophageal & duodenal proc w MCC Age 0-17	5.8515	17.88	1	54	105
327	06	SURG	Stomach, esophageal & duodenal proc w CC	3.3130	10.28	1	50	118
327.1	06	SURG	Stomach, esophageal & duodenal proc w CC Age 0-17	2.1697	8.35	1	50	152
328	06	SURG	Stomach, esophageal & duodenal proc w/o CC/MCC	1.8649	4.69	1	50	97
328.1	06	SURG	Stomach, esophageal & duodenal proc w/o CC/MCC Age 0-17	0.9045	3.03	1	50	521
329	06	SURG	Major small & large bowel procedures w MCC	5.9484	17.54	2	50	514
330	06	SURG	Major small & large bowel procedures w CC	3.2222	11.36	2	50	651
331	06	SURG	Major small & large bowel procedures w/o CC/MCC	2.0113	6.65	1	50	249

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332	06	SURG	Rectal resection w MCC	3.7911	10.93	1	50	15
333	06	SURG	Rectal resection w CC	3.1360	9.90	3	50	68
334	06	SURG	Rectal resection w/o CC/MCC	2.1572	6.17	1	50	46
335	06	SURG	Peritoneal adhesiolysis w MCC	5.2688	16.37	1	50	58
336	06	SURG	Peritoneal adhesiolysis w CC	3.0030	10.83	2	50	127
337	06	SURG	Peritoneal adhesiolysis w/o CC/MCC	1.6796	4.97	1	50	135
338	06	SURG	Appendectomy w complicated principal diag w MCC	3.1663	10.12	1	50	38
339	06	SURG	Appendectomy w complicated principal diag w CC	2.4456	7.86	2	50	116
340	06	SURG	Appendectomy w complicated principal diag w/o CC/MCC	1.5169	4.30	1	50	405
341	06	SURG	Appendectomy w/o complicated principal diag w MCC	1.9058	5.33	1	50	43
342	06	SURG	Appendectomy w/o complicated principal diag w CC	1.4978	3.59	1	50	141
343	06	SURG	Appendectomy w/o complicated principal diag w/o CC/MCC	1.0321	1.87	1	50	1,460
344	06	SURG	Minor small & large bowel procedures w MCC	3.9912	16.82	1	50	11
345	06	SURG	Minor small & large bowel procedures w CC	1.9616	8.27	1	50	73
346	06	SURG	Minor small & large bowel procedures w/o CC/MCC	1.4051	4.73	1	50	81
347	06	SURG	Anal & stomal procedures w MCC	2.4058	8.48	1	50	27
348	06	SURG	Anal & stomal procedures w CC	1.4186	4.58	1	50	101
349	06	SURG	Anal & stomal procedures w/o CC/MCC	0.8893	2.88	1	50	162
350	06	SURG	Inguinal & femoral hernia procedures w MCC	1.8594	7.52	1	50	20
351	06	SURG	Inguinal & femoral hernia procedures w CC	1.5179	7.73	1	50	36
352	06	SURG	Inguinal & femoral hernia procedures w/o CC/MCC	0.7723	1.65	1	50	130
353	06	SURG	Hernia procedures except inguinal & femoral w MCC	3.1329	10.66	2	50	29
354	06	SURG	Hernia procedures except inguinal & femoral w CC	2.2012	7.23	1	50	86
355	06	SURG	Hernia procedures except inguinal & femoral w/o CC/MCC	1.2913	3.19	1	50	185
356	06	SURG	Other digestive system O.R. procedures w MCC	4.5441	14.51	1	50	93
357	06	SURG	Other digestive system O.R. procedures w CC	2.5082	8.64	1	50	123
358	06	SURG	Other digestive system O.R. procedures w/o CC/MCC	1.6000	4.38	1	50	99
368	06	MED	Major esophageal disorders w MCC	2.0696	5.87	1	50	67
369	06	MED	Major esophageal disorders w CC	1.2791	4.78	1	50	86
370	06	MED	Major esophageal disorders w/o CC/MCC	0.7678	2.77	1	50	45
371	06	MED	Major gastrointestinal disorders & peritoneal infections w MCC	2.3490	9.47	1	50	91
372	06	MED	Major gastrointestinal disorders & peritoneal infections w CC	1.4826	6.59	1	50	196
373	06	MED	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC	0.9836	4.86	1	50	152
374	06	MED	Digestive malignancy w MCC	2.6081	10.15	1	50	87
375	06	MED	Digestive malignancy w CC	1.6476	6.32	1	50	239

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376	06	MED	Digestive malignancy w/o CC/MCC	0.9809	3.40	1	50	45
377	06	MED	G.I. hemorrhage w MCC	1.9340	6.57	1	50	330
378	06	MED	G.I. hemorrhage w CC	1.1589	4.40	1	50	650
379	06	MED	G.I. hemorrhage w/o CC/MCC	0.7735	2.85	1	50	445
380	06	MED	Complicated peptic ulcer w MCC	2.0155	8.33	1	50	37
381	06	MED	Complicated peptic ulcer w CC	1.3307	6.29	1	50	59
382	06	MED	Complicated peptic ulcer w/o CC/MCC	0.8221	2.78	1	50	47
383	06	MED	Uncomplicated peptic ulcer w MCC	1.7290	7.55	1	50	11
384	06	MED	Uncomplicated peptic ulcer w/o MCC	0.9637	3.95	1	50	130
385	06	MED	Inflammatory bowel disease w MCC	1.8441	8.37	1	50	63
386	06	MED	Inflammatory bowel disease w CC	1.2389	5.82	1	50	319
387	06	MED	Inflammatory bowel disease w/o CC/MCC	0.8460	4.11	1	50	391
388	06	MED	G.I. obstruction w MCC	1.6914	7.57	1	50	169
389	06	MED	G.I. obstruction w CC	1.1200	5.54	1	50	351
390	06	MED	G.I. obstruction w/o CC/MCC	0.7643	4.19	1	50	338
391	06	MED	Esophagitis, gastroent & misc digest disorders w MCC	1.2920	5.57	1	50	558
392	06	MED	Esophagitis, gastroent & misc digest disorders w/o MCC	0.6730	3.00	1	50	5,973
393	06	MED	Other digestive system diagnoses w MCC	1.9345	8.24	1	50	241
394	06	MED	Other digestive system diagnoses w CC	1.1064	4.88	1	50	503
395	06	MED	Other digestive system diagnoses w/o CC/MCC	0.7122	2.96	1	50	382
405	07	SURG	Pancreas, liver & shunt procedures w MCC	7.3624	18.44	1	51	114
406	07	SURG	Pancreas, liver & shunt procedures w CC	4.0331	12.60	1	50	65
407	07	SURG	Pancreas, liver & shunt procedures w/o CC/MCC	2.6520	6.94	1	50	33
408	07	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC	5.3748	19.35	3	50	22
409	07	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC	3.7600	12.58	3	50	31
410	07	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC	2.4559	7.21	1	50	14
411	07	SURG	Cholecystectomy w c.d.e. w MCC	4.0040	11.79	5	50	13
412	07	SURG	Cholecystectomy w c.d.e. w CC	2.4880	6.29	1	50	14
413	07	SURG	Cholecystectomy w c.d.e. w/o CC/MCC	2.0792	5.00	1	50	37
414	07	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w MCC	3.8177	12.31	2	50	58
415	07	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w CC	2.2519	7.47	1	50	117
416	07	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC	1.7707	4.37	1	50	123
417	07	SURG	Laparoscopic cholecystectomy w/o c.d.e. w MCC	2.1395	5.95	1	50	249
418	07	SURG	Laparoscopic cholecystectomy w/o c.d.e. w CC	1.8295	5.26	1	50	435
419	07	SURG	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC	1.3162	2.68	1	50	1,178

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420	07	SURG	Hepatobiliary diagnostic procedures w MCC	4.7962	12.93	1	50	28
421	07	SURG	Hepatobiliary diagnostic procedures w CC	3.0042	10.00	1	50	26
422	07	SURG	Hepatobiliary diagnostic procedures w/o CC/MCC	1.9943	10.82	1	50	11
423	07	SURG	Other hepatobiliary or pancreas O.R. procedures w MCC	6.7237	19.94	3	55	29
424	07	SURG	Other hepatobiliary or pancreas O.R. procedures w CC	3.0381	10.83	3	50	24
425	07	SURG	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC	2.0038	7.13	2	50	8
432	07	MED	Cirrhosis & alcoholic hepatitis w MCC	2.2238	8.21	1	50	873
433	07	MED	Cirrhosis & alcoholic hepatitis w CC	0.9802	4.57	1	50	510
434	07	MED	Cirrhosis & alcoholic hepatitis w/o CC/MCC	0.7722	3.47	1	50	43
435	07	MED	Malignancy of hepatobiliary system or pancreas w MCC	2.0576	8.40	1	50	147
436	07	MED	Malignancy of hepatobiliary system or pancreas w CC	1.5128	5.88	1	50	179
437	07	MED	Malignancy of hepatobiliary system or pancreas w/o CC/MCC	1.3228	4.84	1	50	56
438	07	MED	Disorders of pancreas except malignancy w MCC	2.4291	9.29	1	50	407
439	07	MED	Disorders of pancreas except malignancy w CC	1.2794	5.59	1	50	710
440	07	MED	Disorders of pancreas except malignancy w/o CC/MCC	0.8673	3.94	1	50	931
441	07	MED	Disorders of liver except malig,cirr,alc hepa w MCC	2.1286	7.37	1	50	465
442	07	MED	Disorders of liver except malig,cirr,alc hepa w CC	1.1803	5.11	1	50	401
443	07	MED	Disorders of liver except malig,cirr,alc hepa w/o CC/MCC	0.8391	3.79	1	50	232
444	07	MED	Disorders of the biliary tract w MCC	1.7029	6.11	1	50	102
445	07	MED	Disorders of the biliary tract w CC	1.1728	4.97	1	50	152
446	07	MED	Disorders of the biliary tract w/o CC/MCC	0.7485	2.86	1	50	295
453	08	SURG	Combined anterior/posterior spinal fusion w MCC	9.7909	14.08	3	50	24
454	08	SURG	Combined anterior/posterior spinal fusion w CC	6.7069	8.25	2	50	36
455	08	SURG	Combined anterior/posterior spinal fusion w/o CC/MCC	5.6841	5.72	1	50	29
456	08	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w MCC	8.0226	15.83	3	50	23
457	08	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w CC	5.7850	9.14	3	50	56
458	08	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w/o CC/MCC	4.9784	4.79	2	50	52
459	08	SURG	Spinal fusion except cervical w MCC	6.4378	12.61	3	50	13
460	08	SURG	Spinal fusion except cervical w/o MCC	3.4029	4.39	1	50	357
461	08	SURG	Bilateral or multiple major joint procs of lower extremity w MCC	5.0807	9.71	1	50	0
462	08	SURG	Bilateral or multiple major joint procs of lower extremity w/o MCC	4.1066	4.91	3	50	7
463	08	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC	7.5052	23.52	3	55	90
464	08	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC	3.6580	13.88	1	50	173
465	08	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC	2.0979	6.42	1	50	110
466	08	SURG	Revision of hip or knee replacement w MCC	5.2030	8.89	2	50	9

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467	08	SURG	Revision of hip or knee replacement w CC	3.5295	7.14	2	50	33
468	08	SURG	Revision of hip or knee replacement w/o CC/MCC	2.4159	3.52	2	50	41
469	08	SURG	Major joint replacement or reattachment of lower extremity w MCC	4.1619	10.58	1	50	34
470	08	SURG	Major joint replacement or reattachment of lower extremity w/o MCC	2.6162	5.00	2	50	545
471	08	SURG	Cervical spinal fusion w MCC	4.8943	10.13	1	50	24
472	08	SURG	Cervical spinal fusion w CC	2.5409	4.29	1	50	72
473	08	SURG	Cervical spinal fusion w/o CC/MCC	1.7479	2.27	1	50	331
474	08	SURG	Amputation for musculoskeletal sys & conn tissue dis w MCC	4.7380	17.45	1	50	21
475	08	SURG	Amputation for musculoskeletal sys & conn tissue dis w CC	2.6670	11.55	1	50	65
476	08	SURG	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC	1.2486	5.48	1	50	41
477	08	SURG	Biopsies of musculoskeletal system & connective tissue w MCC	3.6065	14.56	1	50	16
478	08	SURG	Biopsies of musculoskeletal system & connective tissue w CC	2.7489	12.04	1	50	47
479	08	SURG	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC	1.7433	5.17	1	50	29
480	08	SURG	Hip & femur procedures except major joint w MCC	4.6566	13.65	1	50	63
480.1	08	SURG	Hip & femur procedures except major joint w MCC Age 0-17	1.7082	3.85	1	50	72
481	08	SURG	Hip & femur procedures except major joint w CC	2.3649	6.41	1	50	188
481.1	08	SURG	Hip & femur procedures except major joint w CC Age 0-17	1.5366	4.63	1	50	84
482	08	SURG	Hip & femur procedures except major joint w/o CC/MCC	1.7961	3.88	1	50	155
482.1	08	SURG	Hip & femur procedures except major joint w/o CC/MCC Age 0-17	1.2313	3.86	1	50	258
483	08	SURG	Major joint & limb reattachment proc of upper extremity w CC/MCC	2.2392	3.13	2	50	8
484	08	SURG	Major joint & limb reattachment proc of upper extremity w/o CC/MCC	2.1790	6.65	1	50	19
485	08	SURG	Knee procedures w pdx of infection w MCC	6.7429	26.17	7	50	6
486	08	SURG	Knee procedures w pdx of infection w CC	3.2003	11.19	2	50	21
487	08	SURG	Knee procedures w pdx of infection w/o CC/MCC	1.3383	3.60	1	50	9
488	08	SURG	Knee procedures w/o pdx of infection w CC/MCC	1.7834	4.22	1	50	26
489	08	SURG	Knee procedures w/o pdx of infection w/o CC/MCC	1.1547	1.77	1	50	91
490	08	SURG	Back & neck procedures except spinal fusion w CC/MCC or disc devices	2.4005	5.91	1	50	82
491	08	SURG	Back & neck procedures except spinal fusion w/o CC/MCC	1.0918	2.09	1	50	583
492	08	SURG	Lower extrem & humer proc except hip,foot,femur w MCC	3.1264	6.79	2	50	31
492.1	08	SURG	Lower extrem & humer proc except hip,foot,femur w MCC Age 0-17	0.9457	1.70	1	50	10
493	08	SURG	Lower extrem & humer proc except hip,foot,femur w CC	2.2089	5.47	1	50	193
493.1	08	SURG	Lower extrem & humer proc except hip,foot,femur w CC Age 0-17	1.3690	3.07	1	50	46
494	08	SURG	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC	1.4490	2.57	1	50	738
494.1	08	SURG	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC Age 0-17	0.9737	2.17	1	50	245
495	08	SURG	Local excision & removal int fix devices exc hip & femur w MCC	4.2495	15.04	1	50	24



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496	08	SURG	Local excision & removal int fix devices exc hip & femur w CC	2.0927	6.74	1	50	74
497	08	SURG	Local excision & removal int fix devices exc hip & femur w/o CC/MCC	1.5289	4.54	1	50	112
498	08	SURG	Local excision & removal int fix devices of hip & femur w CC/MCC	1.8292	8.57	1	50	28
499	08	SURG	Local excision & removal int fix devices of hip & femur w/o CC/MCC	0.8305	1.85	1	50	33
500	08	SURG	Soft tissue procedures w MCC	2.6436	10.50	1	50	42
501	08	SURG	Soft tissue procedures w CC	1.7454	6.42	1	50	140
502	08	SURG	Soft tissue procedures w/o CC/MCC	1.1471	3.44	1	50	201
503	08	SURG	Foot procedures w MCC	2.0827	8.25	2	50	8
504	08	SURG	Foot procedures w CC	1.7632	7.22	1	50	35
505	08	SURG	Foot procedures w/o CC/MCC	1.2188	3.38	1	50	110
506	08	SURG	Major thumb or joint procedures	1.0306	2.95	1	50	21
507	08	SURG	Major shoulder or elbow joint procedures w CC/MCC	2.2323	11.00	1	50	14
508	08	SURG	Major shoulder or elbow joint procedures w/o CC/MCC	1.0476	4.60	1	50	30
509	08	SURG	Arthroscopy	1.2726	3.30	1	50	10
510	08	SURG	Shoulder,elbow or forearm proc,exc major joint proc w MCC	2.9089	8.44	1	50	9
511	08	SURG	Shoulder,elbow or forearm proc,exc major joint proc w CC	1.9222	3.61	1	50	23
512	08	SURG	Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC	1.1119	1.81	1	50	170
513	08	SURG	Hand or wrist proc, except major thumb or joint proc w CC/MCC	1.3650	6.09	1	50	43
514	08	SURG	Hand or wrist proc, except major thumb or joint proc w/o CC/MCC	0.8775	2.11	1	50	61
515	08	SURG	Other musculoskelet sys & conn tiss O.R. proc w MCC	4.4309	9.90	1	50	36
516	08	SURG	Other musculoskelet sys & conn tiss O.R. proc w CC	2.7291	6.09	1	50	115
517	08	SURG	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC	2.4722	4.38	1	50	164
533	08	MED	Fractures of femur w MCC	2.4693	16.63	1	50	7
534	08	MED	Fractures of femur w/o MCC	0.6878	3.20	1	50	101
535	08	MED	Fractures of hip & pelvis w MCC	1.5793	8.00	1	50	9
536	08	MED	Fractures of hip & pelvis w/o MCC	0.8293	3.05	1	50	68
537	08	MED	Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC	1.8307	5.00	1	50	2
538	08	MED	Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC	0.6576	1.60	1	50	10
539	08	MED	Osteomyelitis w MCC	2.3334	12.20	1	50	74
540	08	MED	Osteomyelitis w CC	1.4616	8.75	1	50	169
541	08	MED	Osteomyelitis w/o CC/MCC	1.1544	7.13	1	50	69
542	08	MED	Pathological fractures & musculoskelet & conn tiss malig w MCC	2.8157	10.80	1	50	53
543	08	MED	Pathological fractures & musculoskelet & conn tiss malig w CC	1.7499	6.24	1	50	166
544	08	MED	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC	1.2226	5.53	1	50	56
545	08	MED	Connective tissue disorders w MCC	3.0914	10.29	1	50	167

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546	08	MED	Connective tissue disorders w CC	1.3124	4.95	1	50	205
547	08	MED	Connective tissue disorders w/o CC/MCC	0.8651	3.68	1	50	202
548	08	MED	Septic arthritis w MCC	3.2120	12.80	2	50	10
549	08	MED	Septic arthritis w CC	1.3036	7.75	1	50	16
550	08	MED	Septic arthritis w/o CC/MCC	0.6353	3.12	1	50	16
551	08	MED	Medical back problems w MCC	1.5550	7.76	1	50	44
552	08	MED	Medical back problems w/o MCC	0.8277	3.60	1	50	657
553	08	MED	Bone diseases & arthropathies w MCC	2.1716	5.24	1	50	32
554	08	MED	Bone diseases & arthropathies w/o MCC	0.7257	3.81	1	50	97
555	08	MED	Signs & symptoms of musculoskeletal system & conn tissue w MCC	2.6208	6.35	1	50	15
556	08	MED	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC	0.8132	3.34	1	50	187
557	08	MED	Tendonitis, myositis & bursitis w MCC	2.4530	9.56	1	50	33
558	08	MED	Tendonitis, myositis & bursitis w/o MCC	0.8259	4.22	1	50	136
559	08	MED	Aftercare, musculoskeletal system & connective tissue w MCC	1.1161	3.14	1	50	6
560	08	MED	Aftercare, musculoskeletal system & connective tissue w CC	1.4704	6.73	1	50	25
561	08	MED	Aftercare, musculoskeletal system & connective tissue w/o CC/MCC	0.9038	4.00	1	50	27
562	08	MED	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC	1.4130	5.07	1	50	27
563	08	MED	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC	0.6691	2.40	1	50	290
564	08	MED	Other musculoskeletal sys & connective tissue diagnoses w MCC	1.8897	6.72	1	50	28
565	08	MED	Other musculoskeletal sys & connective tissue diagnoses w CC	1.0657	4.88	1	50	84
566	08	MED	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC	0.7106	5.63	1	50	76
573	09	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w MCC	3.3382	14.27	2	50	58
574	09	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w CC	2.1231	10.32	1	50	179
575	09	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC	1.3066	5.43	1	50	117
576	09	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC	5.3597	16.11	2	50	9
577	09	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC	1.9851	7.79	1	50	41
578	09	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC	1.2065	3.79	1	50	98
579	09	SURG	Other skin, subcut tiss & breast proc w MCC	2.8223	10.39	1	50	61
580	09	SURG	Other skin, subcut tiss & breast proc w CC	1.6546	5.54	1	50	251
581	09	SURG	Other skin, subcut tiss & breast proc w/o CC/MCC	1.0738	2.74	1	50	332
582	09	SURG	Mastectomy for malignancy w CC/MCC	1.1938	2.32	1	50	148
583	09	SURG	Mastectomy for malignancy w/o CC/MCC	1.1016	1.69	1	50	173
584	09	SURG	Breast biopsy, local excision & other breast procedures w CC/MCC	1.9045	6.82	1	50	11
585	09	SURG	Breast biopsy, local excision & other breast procedures w/o CC/MCC	1.0977	2.35	1	50	42
592	09	MED	Skin ulcers w MCC	2.0012	10.14	1	50	41

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593	09	MED	Skin ulcers w CC	1.0591	6.09	1	50	214
594	09	MED	Skin ulcers w/o CC/MCC	0.9279	7.68	1	50	20
595	09	MED	Major skin disorders w MCC	2.9739	13.88	1	50	16
596	09	MED	Major skin disorders w/o MCC	0.8299	5.24	1	50	110
597	09	MED	Malignant breast disorders w MCC	2.2676	8.67	2	50	11
598	09	MED	Malignant breast disorders w CC	1.6712	6.41	1	50	40
599	09	MED	Malignant breast disorders w/o CC/MCC	0.5307	2.58	1	50	12
600	09	MED	Non-malignant breast disorders w CC/MCC	0.7726	4.35	1	50	20
601	09	MED	Non-malignant breast disorders w/o CC/MCC	0.6542	2.75	1	50	75
602	09	MED	Cellulitis w MCC	1.3486	6.15	1	50	216
603	09	MED	Cellulitis w/o MCC	0.7362	3.91	1	50	2,822
604	09	MED	Trauma to the skin, subcut tiss & breast w MCC	1.6472	4.07	1	50	25
605	09	MED	Trauma to the skin, subcut tiss & breast w/o MCC	0.6642	2.00	1	50	291
606	09	MED	Minor skin disorders w MCC	1.0335	5.10	1	50	29
607	09	MED	Minor skin disorders w/o MCC	0.6077	3.33	1	50	292
614	10	SURG	Adrenal & pituitary procedures w CC/MCC	3.7898	9.33	1	50	44
615	10	SURG	Adrenal & pituitary procedures w/o CC/MCC	1.7888	3.13	1	50	23
616	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC	4.2824	14.94	2	50	14
617	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w CC	2.8171	10.77	1	50	101
618	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC	2.5110	13.00	2	50	6
619	10	SURG	O.R. procedures for obesity w MCC	3.5536	12.80	2	50	5
620	10	SURG	O.R. procedures for obesity w CC	2.3164	7.84	1	50	19
621	10	SURG	O.R. procedures for obesity w/o CC/MCC	1.4490	10.25	1	50	12
622	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC	8.2112	28.06	3	58	14
623	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w CC	2.0391	10.09	1	50	74
624	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC	0.7262	3.80	2	50	5
625	10	SURG	Thyroid, parathyroid & thyroglossal procedures w MCC	2.0425	3.86	2	50	7
626	10	SURG	Thyroid, parathyroid & thyroglossal procedures w CC	1.9270	4.64	1	50	42
627	10	SURG	Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC	0.9498	2.44	1	50	161
628	10	SURG	Other endocrine, nutrit & metab O.R. proc w MCC	3.5800	13.35	1	50	30
629	10	SURG	Other endocrine, nutrit & metab O.R. proc w CC	2.3715	8.64	1	50	61
630	10	SURG	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC	1.2697	2.50	1	50	8
637	10	MED	Diabetes w MCC	1.5841	5.47	1	50	487
638	10	MED	Diabetes w CC	0.8595	3.72	1	50	1,286
639	10	MED	Diabetes w/o CC/MCC	0.5777	2.77	1	50	2,315

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640	10	MED	Nutritional & misc metabolic disorders w MCC	1.6212	6.49	1	50	352
640.1	10	MED	Nutritional & misc metabolic disorders w MCC Age 0-17	1.1823	6.09	1	50	194
641	10	MED	Nutritional & misc metabolic disorders w/o MCC	0.8943	3.80	1	50	1,096
641.1	10	MED	Nutritional & misc metabolic disorders w/o MCC Age 0-17	0.5108	3.47	1	50	1,637
642	10	MED	Inborn errors of metabolism	1.3580	4.81	1	50	66
642.1	10	MED	Inborn errors of metabolism Age 0-17	0.7516	4.85	1	50	136
643	10	MED	Endocrine disorders w MCC	2.3354	7.60	1	50	52
644	10	MED	Endocrine disorders w CC	1.2262	5.43	1	50	163
645	10	MED	Endocrine disorders w/o CC/MCC	0.7317	3.12	1	50	152
652	11	SURG	Kidney transplant	4.3660	8.07	1	50	15
653	11	SURG	Major bladder procedures w MCC	6.4854	16.65	4	50	17
654	11	SURG	Major bladder procedures w CC	3.2849	10.74	1	50	66
655	11	SURG	Major bladder procedures w/o CC/MCC	2.6470	7.50	2	50	18
656	11	SURG	Kidney & ureter procedures for neoplasm w MCC	6.3574	17.10	1	50	29
657	11	SURG	Kidney & ureter procedures for neoplasm w CC	2.4015	6.45	1	50	69
658	11	SURG	Kidney & ureter procedures for neoplasm w/o CC/MCC	1.5664	4.36	1	50	70
659	11	SURG	Kidney & ureter procedures for non-neoplasm w MCC	4.3970	16.28	1	50	50
660	11	SURG	Kidney & ureter procedures for non-neoplasm w CC	1.8979	5.89	1	50	195
661	11	SURG	Kidney & ureter procedures for non-neoplasm w/o CC/MCC	1.1091	3.56	1	50	142
662	11	SURG	Minor bladder procedures w MCC	3.6439	13.59	1	50	16
663	11	SURG	Minor bladder procedures w CC	1.6960	5.38	1	50	24
664	11	SURG	Minor bladder procedures w/o CC/MCC	1.3274	3.54	1	50	24
665	11	SURG	Prostatectomy w MCC	1.7795	3.87	1	50	0
666	11	SURG	Prostatectomy w CC	1.2220	2.00	2	50	2
667	11	SURG	Prostatectomy w/o CC/MCC	1.0977	3.00	1	50	4
668	11	SURG	Transurethral procedures w MCC	3.0020	9.42	1	50	24
669	11	SURG	Transurethral procedures w CC	1.2086	3.40	1	50	226
670	11	SURG	Transurethral procedures w/o CC/MCC	0.9583	2.83	1	50	76
671	11	SURG	Urethral procedures w CC/MCC	2.3793	8.17	1	50	12
672	11	SURG	Urethral procedures w/o CC/MCC	0.8358	1.57	1	50	14
673	11	SURG	Other kidney & urinary tract procedures w MCC	3.9275	14.00	1	50	118
674	11	SURG	Other kidney & urinary tract procedures w CC	2.8842	9.31	1	50	164
675	11	SURG	Other kidney & urinary tract procedures w/o CC/MCC	1.8281	4.64	1	50	44
682	11	MED	Renal failure w MCC	1.9674	7.24	1	50	709
683	11	MED	Renal failure w CC	1.3887	5.91	1	50	1,103

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684	11	MED	Renal failure w/o CC/MCC	0.8579	3.75	1	50	354
685	11	MED	Admit for renal dialysis	0.9008	2.90	1	50	30
686	11	MED	Kidney & urinary tract neoplasms w MCC	1.6217	6.35	1	50	16
687	11	MED	Kidney & urinary tract neoplasms w CC	1.9014	6.84	1	50	44
688	11	MED	Kidney & urinary tract neoplasms w/o CC/MCC	0.8528	2.53	1	50	16
689	11	MED	Kidney & urinary tract infections w MCC	1.2070	5.55	1	50	396
690	11	MED	Kidney & urinary tract infections w/o MCC	0.7143	3.50	1	50	2,723
691	11	MED	Urinary stones w esw lithotripsy w CC/MCC	1.0669	2.92	1	50	13
692	11	MED	Urinary stones w esw lithotripsy w/o CC/MCC	1.2360	2.17	1	50	6
693	11	MED	Urinary stones w/o esw lithotripsy w MCC	1.4523	4.78	1	50	34
694	11	MED	Urinary stones w/o esw lithotripsy w/o MCC	0.7482	2.29	1	50	644
695	11	MED	Kidney & urinary tract signs & symptoms w MCC	0.9030	3.67	1	50	9
696	11	MED	Kidney & urinary tract signs & symptoms w/o MCC	0.7155	3.26	1	50	61
697	11	MED	Urethral stricture	0.8524	3.78	1	50	8
698	11	MED	Other kidney & urinary tract diagnoses w MCC	1.6691	6.99	1	50	189
699	11	MED	Other kidney & urinary tract diagnoses w CC	1.2186	5.42	1	50	414
700	11	MED	Other kidney & urinary tract diagnoses w/o CC/MCC	0.7905	3.83	1	50	221
707	12	SURG	Major male pelvic procedures w CC/MCC	4.1744	10.40	2	50	9
708	12	SURG	Major male pelvic procedures w/o CC/MCC	1.5240	2.84	1	50	32
709	12	SURG	Penis procedures w CC/MCC	2.0518	7.67	1	50	18
710	12	SURG	Penis procedures w/o CC/MCC	0.9712	2.06	1	50	16
711	12	SURG	Testes procedures w CC/MCC	2.1692	7.05	1	50	20
712	12	SURG	Testes procedures w/o CC/MCC	0.9804	2.03	1	50	37
713	12	SURG	Transurethral prostatectomy w CC/MCC	0.9440	2.86	1	50	7
714	12	SURG	Transurethral prostatectomy w/o CC/MCC	0.5940	1.57	1	50	21
715	12	SURG	Other male reproductive system O.R. proc for malignancy w CC/MCC	12.0217	24.00	19	50	2
716	12	SURG	Other male reproductive system O.R. proc for malignancy w/o CC/MCC	2.6098	6.50	1	50	2
717	12	SURG	Other male reproductive system O.R. proc exc malignancy w CC/MCC	2.6740	8.71	2	50	6
718	12	SURG	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC	2.6977	7.67	1	50	3
722	12	MED	Malignancy, male reproductive system w MCC	3.7518	11.00	1	50	6
723	12	MED	Malignancy, male reproductive system w CC	1.8538	5.67	1	50	14
724	12	MED	Malignancy, male reproductive system w/o CC/MCC	1.5008	4.56	1	50	9
725	12	MED	Benign prostatic hypertrophy w MCC	1.3346	4.80	1	50	0
726	12	MED	Benign prostatic hypertrophy w/o MCC	0.8353	3.00	1	50	6
727	12	MED	Inflammation of the male reproductive system w MCC	1.7796	8.43	1	50	20

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727.1	12	MED	Inflammation of the male reproductive system w MCC Age 0-17	0.6032	3.50	3	50	2
728	12	MED	Inflammation of the male reproductive system w/o MCC	0.8611	3.75	1	50	103
728.1	12	MED	Inflammation of the male reproductive system w/o MCC Age 0-17	0.5834	3.87	1	50	23
729	12	MED	Other male reproductive system diagnoses w CC/MCC	1.2724	4.45	1	50	10
730	12	MED	Other male reproductive system diagnoses w/o CC/MCC	0.6832	2.45	1	50	11
734	13	SURG	Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC	2.9185	9.57	2	50	28
735	13	SURG	Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC	1.3263	3.48	1	50	23
736	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC	6.0421	16.44	6	50	9
737	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w CC	2.4845	7.31	2	50	65
738	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC	1.7156	4.38	1	50	21
739	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w MCC	2.7233	9.00	3	50	11
740	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w CC	2.0124	5.77	1	50	82
741	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC	1.0459	2.69	1	50	138
742	13	SURG	Uterine & adnexa proc for non-malignancy w CC/MCC	1.5971	4.05	1	50	492
743	13	SURG	Uterine & adnexa proc for non-malignancy w/o CC/MCC	1.1032	2.60	1	50	1,757
744	13	SURG	D&C, conization, laparoscopy & tubal interruption w CC/MCC	1.2836	3.53	1	50	105
745	13	SURG	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC	1.0852	2.34	1	50	171
746	13	SURG	Vagina, cervix & vulva procedures w CC/MCC	1.9603	6.97	1	50	27
747	13	SURG	Vagina, cervix & vulva procedures w/o CC/MCC	0.8612	2.81	1	50	86
748	13	SURG	Female reproductive system reconstructive procedures	0.9577	2.40	1	50	82
749	13	SURG	Other female reproductive system O.R. procedures w CC/MCC	2.2890	7.35	1	50	47
750	13	SURG	Other female reproductive system O.R. procedures w/o CC/MCC	1.2067	2.46	1	50	35
754	13	MED	Malignancy, female reproductive system w MCC	3.0555	11.41	1	50	21
755	13	MED	Malignancy, female reproductive system w CC	1.1932	4.54	1	50	67
756	13	MED	Malignancy, female reproductive system w/o CC/MCC	0.5728	2.44	1	50	17
757	13	MED	Infections, female reproductive system w MCC	1.4882	5.72	1	50	34
758	13	MED	Infections, female reproductive system w CC	0.8478	3.24	1	50	143
759	13	MED	Infections, female reproductive system w/o CC/MCC	0.6473	2.63	1	50	398
760	13	MED	Menstrual & other female reproductive system disorders w CC/MCC	0.8603	2.88	1	50	108
761	13	MED	Menstrual & other female reproductive system disorders w/o CC/MCC	0.6277	2.00	1	50	255
765	14	SURG	Cesarean section w CC/MCC	1.0935	4.39	2	50	11,368
766	14	SURG	Cesarean section w/o CC/MCC	0.8278	3.00	2	50	20,837
767	14	SURG	Vaginal delivery w sterilization &/or D&C	0.8315	2.39	1	50	3,933
768	14	SURG	Vaginal delivery w O.R. proc except steril &/or D&C	1.0700	3.49	1	50	74
769	14	SURG	Postpartum & post abortion diagnoses w O.R. procedure	1.6058	4.35	1	50	423

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770	14	SURG	Abortion w D&C, aspiration curettage or hysterotomy	0.7757	1.87	1	50	429
774	14	MED	Vaginal delivery w complicating diagnoses	0.6341	2.63	1	50	10,474
775	14	MED	Vaginal delivery w/o complicating diagnoses	0.4890	1.97	1	50	82,144
776	14	MED	Postpartum & post abortion diagnoses w/o O.R. procedure	0.6460	2.69	1	50	1,698
777	14	MED	Ectopic pregnancy	1.0304	2.26	1	50	811
778	14	MED	Threatened abortion	0.5665	3.65	1	50	2,546
779	14	MED	Abortion w/o D&C	0.5004	1.74	1	50	650
780	14	MED	False labor	0.4362	2.55	1	50	122
781	14	MED	Other antepartum diagnoses w medical complications	0.6290	3.25	1	50	6,777
782	14	MED	Other antepartum diagnoses w/o medical complications	0.5806	3.22	1	50	889
789	15	MED	Neonates, died or transferred to another acute care facility	0.7023	1.55	1	50	619
789.1	15	MED	Neonates, died or transferred to another acute care facility	7.8446	12.91	1	50	987
790	15	MED	Extreme immaturity or respiratory distress syndrome, neonate	2.0906	12.61	1	50	302
790.1	15	MED	Extreme immaturity or respiratory distress syndrome, neonate	10.2097	39.61	5	74	2,830
791	15	MED	Prematurity w major problems	1.2104	8.90	2	50	650
791.1	15	MED	Prematurity w major problems	3.7126	18.83	3	50	1,728
792	15	MED	Prematurity w/o major problems	0.3981	4.06	1	50	5,265
792.1	15	MED	Prematurity w/o major problems	2.1747	11.88	2	50	2,430
793	15	MED	Full term neonate w major problems	0.6241	4.47	1	50	3,415
793.1	15	MED	Full term neonate w major problems	2.0248	9.13	2	50	2,342
794	15	MED	Neonate w other significant problems	0.2491	2.58	1	50	14,955
794.1	15	MED	Neonate w other significant problems	0.9594	4.96	2	50	2,064
795	15	MED	Normal newborn	0.1471	1.96	1	50	106,163
799	16	SURG	Splenectomy w MCC	4.1033	11.06	1	50	16
800	16	SURG	Splenectomy w CC	3.0189	8.16	1	50	32
801	16	SURG	Splenectomy w/o CC/MCC	1.8106	3.83	1	50	41
802	16	SURG	Other O.R. proc of the blood & blood forming organs w MCC	5.4373	15.00	1	53	15
803	16	SURG	Other O.R. proc of the blood & blood forming organs w CC	2.6622	9.66	1	50	29
804	16	SURG	Other O.R. proc of the blood & blood forming organs w/o CC/MCC	1.4335	4.75	1	50	36
808	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w MCC	2.5878	9.12	1	50	141
809	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w CC	1.2990	4.81	1	50	530
810	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC	0.8760	3.13	1	50	127
811	16	MED	Red blood cell disorders w MCC	1.7122	7.59	1	50	245
811.1	16	MED	Red blood cell disorders w MCC Age 0-17	1.0661	5.47	1	50	177
812	16	MED	Red blood cell disorders w/o MCC	0.9375	4.97	1	50	1,726

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812.1	16	MED	Red blood cell disorders w/o MCC Age 0-17	0.5166	3.45	1	50	1,862
813	16	MED	Coagulation disorders	2.3218	3.61	1	50	511
814	16	MED	Reticuloendothelial & immunity disorders w MCC	1.3656	5.62	1	50	28
815	16	MED	Reticuloendothelial & immunity disorders w CC	1.2302	4.94	1	50	100
816	16	MED	Reticuloendothelial & immunity disorders w/o CC/MCC	0.7689	3.29	1	50	165
820	17	SURG	Lymphoma & leukemia w major O.R. procedure w MCC	11.6554	28.79	4	67	34
821	17	SURG	Lymphoma & leukemia w major O.R. procedure w CC	2.8284	7.90	1	50	39
822	17	SURG	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC	1.4125	4.68	1	50	43
823	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w MCC	6.1915	19.02	2	50	48
824	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w CC	2.3045	7.66	1	50	56
825	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC	1.6927	4.75	1	50	51
826	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC	7.1144	19.35	4	51	20
827	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC	3.2083	9.48	3	50	21
828	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC	2.2481	4.45	1	50	11
829	17	SURG	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC	3.1143	9.64	1	50	35
830	17	SURG	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC	2.2075	7.30	1	50	9
834	17	MED	Acute leukemia w/o major O.R. procedure w MCC	7.9117	20.34	1	50	145
835	17	MED	Acute leukemia w/o major O.R. procedure w CC	3.1923	11.10	1	50	41
836	17	MED	Acute leukemia w/o major O.R. procedure w/o CC/MCC	2.0540	6.86	1	50	119
837	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC	7.6817	23.58	4	57	26
837.1	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC Age 0-	4.2655	16.03	1	50	32
838	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w CC	2.8655	8.97	2	50	34
838.1	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w CC Age 0-17	1.2066	4.22	1	50	45
839	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w/o CC/MCC	1.2071	4.89	1	50	88
839.1	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w/o CC/MCC Age 0-	0.7151	3.49	1	50	282
840	17	MED	Lymphoma & non-acute leukemia w MCC	3.7923	12.72	2	50	139
841	17	MED	Lymphoma & non-acute leukemia w CC	2.3647	8.41	1	50	113
842	17	MED	Lymphoma & non-acute leukemia w/o CC/MCC	1.5407	4.72	1	50	79
843	17	MED	Other myeloprolif dis or poorly diff neopl diag w MCC	2.4202	9.83	1	50	34
844	17	MED	Other myeloprolif dis or poorly diff neopl diag w CC	1.8829	7.78	1	50	61
845	17	MED	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC	0.9675	3.82	1	50	16
846	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC	2.3526	7.92	1	50	106
847	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w CC	1.0906	3.40	1	50	1,586
848	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC	0.6473	2.25	1	50	243
849	17	MED	Radiotherapy	0.8182	1.88	1	50	130



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853	18	SURG	Infectious & parasitic diseases w O.R. procedure w MCC	6.9518	20.48	1	62	383
854	18	SURG	Infectious & parasitic diseases w O.R. procedure w CC	3.5946	14.14	2	50	114
855	18	SURG	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC	1.5770	5.11	1	50	17
856	18	SURG	Postoperative or post-traumatic infections w O.R. proc w MCC	5.0024	17.17	3	52	80
857	18	SURG	Postoperative or post-traumatic infections w O.R. proc w CC	2.6046	10.67	1	50	197
858	18	SURG	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC	1.7500	8.38	1	50	51
862	18	MED	Postoperative & post-traumatic infections w MCC	2.0220	8.12	1	50	112
863	18	MED	Postoperative & post-traumatic infections w/o MCC	1.0149	5.29	1	50	485
864	18	MED	Fever of unknown origin	1.0623	4.56	1	50	175
864.1	18	MED	Fever of unknown origin Age 0-17	0.4648	2.62	1	50	869
865	18	MED	Viral illness w MCC	1.6704	7.38	1	50	15
865.1	18	MED	Viral illness w MCC Age 0-17	0.6811	4.60	1	50	59
866	18	MED	Viral illness w/o MCC	0.8099	3.25	1	50	134
866.1	18	MED	Viral illness w/o MCC Age 0-17	0.4442	2.25	1	50	779
867	18	MED	Other infectious & parasitic diseases diagnoses w MCC	3.6318	12.76	1	50	77
868	18	MED	Other infectious & parasitic diseases diagnoses w CC	1.1813	4.47	1	50	52
869	18	MED	Other infectious & parasitic diseases diagnoses w/o CC/MCC	0.7485	6.45	1	50	44
870	18	MED	Septicemia w MV 96+ hours	6.1729	15.24	3	50	221
871	18	MED	Septicemia w/o MV 96+ hours w MCC	2.1793	7.92	1	50	1,401
872	18	MED	Septicemia w/o MV 96+ hours w/o MCC	1.2618	5.73	1	50	1,144
876	19	SURG	O.R. procedure w principal diagnoses of mental illness	2.1458	4.50	1	50	10
880	19	MED	Acute adjustment reaction & psychosocial dysfunction	0.8847	3.55	1	50	182
881	19	MED	Depressive neuroses	0.8287	3.63	1	50	18
882	19	MED	Neuroses except depressive	0.9604	3.63	1	50	25
883	19	MED	Disorders of personality & impulse control	0.7384	4.38	3	50	6
884	19	MED	Organic disturbances & mental retardation	1.0106	5.39	1	50	90
885	19	MED	Psychoses	0.9235	5.30	1	50	82
886	19	MED	Behavioral & developmental disorders	0.9964	8.71	1	50	7
887	19	MED	Other mental disorder diagnoses	0.8284	3.77	1	50	20
894	20	MED	Alcohol/drug abuse or dependence, left ama	0.7496	2.21	1	50	0
895	20	MED	Alcohol/drug abuse or dependence w rehabilitation therapy	1.5692	8.00	4	50	2
896	20	MED	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC	1.6664	6.41	1	50	185
897	20	MED	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC	0.7367	3.53	1	50	789
901	21	SURG	Wound debridements for injuries w MCC	6.5019	24.38	1	53	25
902	21	SURG	Wound debridements for injuries w CC	2.4934	9.87	1	50	52

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903	21	SURG	Wound debridements for injuries w/o CC/MCC	1.5797	5.36	1	50	41
904	21	SURG	Skin grafts for injuries w CC/MCC	6.1278	20.64	1	54	22
905	21	SURG	Skin grafts for injuries w/o CC/MCC	1.5395	5.45	1	50	21
906	21	SURG	Hand procedures for injuries	1.6614	4.53	1	50	37
907	21	SURG	Other O.R. procedures for injuries w MCC	5.1015	13.96	1	50	139
908	21	SURG	Other O.R. procedures for injuries w CC	2.3220	8.16	1	50	150
909	21	SURG	Other O.R. procedures for injuries w/o CC/MCC	1.2859	3.54	1	50	146
913	21	MED	Traumatic injury w MCC	1.4944	5.15	1	50	19
914	21	MED	Traumatic injury w/o MCC	0.6664	2.51	1	50	226
915	21	MED	Allergic reactions w MCC	1.7293	5.50	1	50	13
915.1	21	MED	Allergic reactions w MCC Age 0-17	0.8652	3.67	3	50	3
916	21	MED	Allergic reactions w/o MCC	0.4795	1.70	1	50	70
916.1	21	MED	Allergic reactions w/o MCC Age 0-17	0.3228	1.57	1	50	23
917	21	MED	Poisoning & toxic effects of drugs w MCC	2.0241	5.03	1	50	572
917.1	21	MED	Poisoning & toxic effects of drugs w MCC Age 0-17	1.3490	4.47	1	50	42
918	21	MED	Poisoning & toxic effects of drugs w/o MCC	0.6404	2.02	1	50	1,655
918.1	21	MED	Poisoning & toxic effects of drugs w/o MCC Age 0-17	0.4296	3.06	1	50	435
919	21	MED	Complications of treatment w MCC	1.8292	8.04	1	50	73
919.1	21	MED	Complications of treatment w MCC Age 0-17	1.6468	4.52	1	50	30
920	21	MED	Complications of treatment w CC	1.3766	5.83	1	50	132
920.1	21	MED	Complications of treatment w CC Age 0-17	0.8448	5.39	1	50	31
921	21	MED	Complications of treatment w/o CC/MCC	0.6938	2.89	1	50	84
921.1	21	MED	Complications of treatment w/o CC/MCC Age 0-17	0.6045	2.41	1	50	29
922	21	MED	Other injury, poisoning & toxic effect diag w MCC	1.9637	8.30	1	50	88
923	21	MED	Other injury, poisoning & toxic effect diag w/o MCC	0.6812	3.31	1	50	176
927	22	SURG	Extensive burns or full thickness burns w MV 96+ hrs w skin graft	13.3761	26.53	1	61	34
928	22	SURG	Full thickness burn w skin graft or inhal inj w CC/MCC	3.6440	13.84	1	50	51
929	22	SURG	Full thickness burn w skin graft or inhal inj w/o CC/MCC	2.0955	8.26	1	50	42
933	22	MED	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft	2.8923	4.91	1	50	10
934	22	MED	Full thickness burn w/o skin grft or inhal inj	1.1656	5.03	1	50	37
935	22	MED	Non-extensive burns	1.0135	3.94	1	50	307
939	23	SURG	O.R. proc w diagnoses of other contact w health services w MCC	1.8902	7.00	1	50	6
940	23	SURG	O.R. proc w diagnoses of other contact w health services w CC	1.6482	6.43	1	50	21
941	23	SURG	O.R. proc w diagnoses of other contact w health services w/o CC/MCC	1.4113	6.00	1	50	37
945	23	MED	Rehabilitation w CC/MCC	1.8792	22.18	1	50	15

**Michigan Department of Community Health**  
**Medicaid DRG Grouper Update 25.0**

<b>DRG</b>	<b>MDC</b>	<b>Type</b>	<b>Description</b>	<b>Relative Weight</b>	<b>Avg LOS</b>	<b>Low Day</b>	<b>High Day</b>	<b>Count</b>
946	23	MED	Rehabilitation w/o CC/MCC	1.0993	8.00	2	50	1
947	23	MED	Signs & symptoms w MCC	1.0113	3.85	1	50	44
948	23	MED	Signs & symptoms w/o MCC	0.6894	3.32	1	50	300
949	23	MED	Aftercare w CC/MCC	1.4078	4.56	1	50	25
950	23	MED	Aftercare w/o CC/MCC	0.4369	1.78	1	50	9
951	23	MED	Other factors influencing health status	0.5291	3.09	1	50	222
955	24	SURG	Craniotomy for multiple significant trauma	7.0952	14.18	1	50	28
956	24	SURG	Limb reattachment, hip & femur proc for multiple significant trauma	6.4078	10.39	2	50	67
957	24	SURG	Other O.R. procedures for multiple significant trauma w MCC	7.7817	15.00	1	50	122
958	24	SURG	Other O.R. procedures for multiple significant trauma w CC	4.6475	10.68	1	50	120
959	24	SURG	Other O.R. procedures for multiple significant trauma w/o CC/MCC	2.9319	7.11	1	50	68
963	24	MED	Other multiple significant trauma w MCC	3.4873	9.39	1	50	44
964	24	MED	Other multiple significant trauma w CC	1.9527	5.98	1	50	82
965	24	MED	Other multiple significant trauma w/o CC/MCC	1.3903	3.74	1	50	52
969	25	SURG	HIV w extensive O.R. procedure w MCC	6.9747	23.25	3	53	52
970	25	SURG	HIV w extensive O.R. procedure w/o MCC	3.5259	16.71	1	50	7
974	25	MED	HIV w major related condition w MCC	3.3134	12.86	2	50	397
975	25	MED	HIV w major related condition w CC	1.8968	9.07	1	50	299
976	25	MED	HIV w major related condition w/o CC/MCC	1.2204	5.86	1	50	215
977	25	MED	HIV w or w/o other related condition	1.3878	6.00	1	50	211
981		SURG	Extensive O.R. procedure unrelated to principal diagnosis w MCC	6.5950	18.60	1	50	315
982		SURG	Extensive O.R. procedure unrelated to principal diagnosis w CC	3.6474	12.45	1	50	286
983		SURG	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC	1.8373	4.98	1	50	171
984		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w MCC	4.2718	24.08	1	50	0
985		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w CC	3.2748	16.00	8	50	4
986		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC	0.9478	2.00	2	50	1
987		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w MCC	4.5960	16.51	2	50	133
988		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w CC	2.1589	8.34	1	50	191
989		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC	1.4752	4.68	1	50	138
998			Principal diagnosis invalid as discharge diagnosis					
999			Ungroupable					