DEPARTMENT OF HEALTH & HUMAN SERVICES
Centers for Medicare & Medicaid Services
7500 Security Boulevard, Mail Stop S2-26-12
Baltimore, Maryland 21244-1850

SEP 16 2014

Mr. Stephen Fitton, Medicaid Director
Medical Services Administration
Department of Community Health
400 South Pine
Lansing, MI 48933

RE: Michigan State Plan Amendment (SPA) 14-005

Dear Mr. Fitton:

We have reviewed the proposed amendment to Attachment 4.19-A of your Medicaid State plan submitted under transmittal number (TN) 14-005. Effective for services on or after January 1, 2014, this amendment updates inpatient hospital rates through a diagnosis related group (DRG) and assigned relative weight update.

We conducted our review of your submittal according to the statutory requirements at sections 1902(a)(2), 1902(a)(13), 1902(a)(30), 1903(a), and 1923 of the Social Security Act and the regulations at 42 CFR 447 Subpart C. We hereby inform you that Medicaid State plan amendment 14-005 is approved with an effective date of January 1, 2014. We are enclosing the HCFA-179 and the amended plan pages.

If you have any questions, please call Tom Caughey at (517) 487-8598.

Sincerely,

Cindy Mann
Director

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES
HEALTHCARE FINANCING ADMINISTRATION

FORM APPROVED
OMB NO. 0938-0193

TRANSMITTAL AND NOTICE OF APPROVAL OF STATE PLAN MATERIAL

FOR: HEALTH CARE FINANCING ADMINISTRATION

1. TRANSMITTAL NUMBER: 14 - 05

2. STATE: Michigan

3. PROGRAM IDENTIFICATION:
TITLE XIX OF THE SOCIAL SECURITY ACT (MEDICAID)

TO: REGIONAL ADMINISTRATOR
HEALTH FINANCING ADMINISTRATION
DEPARTMENT OF HUMAN SERVICES

4. PROPOSED EFFECTIVE DATE
January 1, 2014

5. TYPE OF PLAN MATERIAL *(Check One)*:

☐ NEW STATE PLAN ☐ AMENDMENT TO BE CONSIDERED AS NEW PLAN ☒ AMENDMENT

COMPLETE BLOCKS 6 THRU 10 IF THIS IS AN AMENDMENT *(Separate Transmittal for each amendment)*

6. FEDERAL STATUTE/REGULATION CITATION:
42 CFR 447, Subpart C

7. FEDERAL BUDGET IMPACT:
a. FFY 2014 $ 0
b. FFY 2015 $ 0

8. PAGE NUMBER OF THE PLAN SECTION OR ATTACHMENT:
Attachment 4.19-A, Pages 8, 8a, 10, 16, 17, 18, and Appendix A, Pages 1-30

9. PAGE NUMBER OF THE SUPERSEDED PLAN SECTION OR ATTACHMENT *(If Applicable)*:
Attachment 4.19-A, Pages 8, 8a, 10, 16, 17, 18, and Appendix A, Pages 1-30

10. SUBJECT OF AMENDMENT:
Inpatient Rate Update – Grouper 31

11. GOVERNOR'S REVIEW *(Check One)*:

☐ GOVERNOR'S OFFICE REPORTED NO COMMENT
☐ COMMENTS OF GOVERNOR'S OFFICE ENCLOSED
☐ NO REPLY RECEIVED WITHIN 45 DAYS OF SUBMITTAL
☒ OTHER, AS SPECIFIED:
Stephen Fitton, Director
Medical Services Administration

12. SIGNATURE OF STATE AGENCY OFFICIAL:
Stephen Fitton

13. TYPED NAME:
Stephen Fitton

14. TITLE:
Director, Medical Services Administration

15. DATE SUBMITTED:
March 24, 2014

16. RETURN TO:

Medical Services Administration
Actuarial Division
Capitol Commons Center - 7th Floor
400 South Pine Street
Lansing, Michigan 48933

Attn: Loni Hackney

FOR REGIONAL OFFICE USE ONLY

17. DATE RECEIVED:

18. DATE APPROVED: SEP 16 2014

PLAN APPROVED – ONE COPY ATTACHED

19. EFFECTIVE DATE OF APPROVED MATERIAL: JAN 01 2014

20. SIGNATURE OF REGIONAL OFFICIAL:

21. TYPED NAME: Penny Thompson

22. TITLE: Deputy Director, Dept. of Finance / Medicaid

23. REMARKS:

STATE PLAN UNDER TITLE XIX OF THE SOCIAL SECURITY ACT

State of MICHIGAN

Methods and Standards for Establishing Payment Rates
Inpatient Hospital Care

DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
1	PRE	SURG	Heart transplant or implant of heart assist system w MCC	*Paid percent of charge*			
2	PRE	SURG	Heart transplant or implant of heart assist system w/o MCC	*Paid percent of charge*			
3	PRE	SURG	ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R.	20.6873	44.4	8	83
4	PRE	SURG	Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R.	13.0756	34.5	5	69
5	PRE	SURG	Liver transplant w MCC or intestinal transplant	*Paid percent of charge*			
6	PRE	SURG	Liver transplant w/o MCC	*Paid percent of charge*			
7	PRE	SURG	Lung transplant	*Paid percent of charge*			
8	PRE	SURG	Simultaneous pancreas/kidney transplant	*Paid percent of charge*			
10	PRE	SURG	Pancreas transplant	*Paid percent of charge*			
11	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w MCC	4.5298	14.1	2	50
12	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w CC	3.3162	10.6	2	50
13	PRE	SURG	Tracheostomy for face,mouth & neck diagnoses w/o CC/MCC	2.4366	7.6	2	50
14	PRE	SURG	ALLOGENEIC BONE MARROW TRANSPLANT	*Paid percent of charge*			
16	PRE	SURG	AUTOLOGOUS BONE MARROW TRANSPLANT W CC/MCC	*Paid percent of charge*			
17	PRE	SURG	AUTOLOGOUS BONE MARROW TRANSPLANT W/O CC/MCC	*Paid percent of charge*			
20	1	SURG	Intracranial vascular procedures w PDX hemorrhage w MCC	9.1128	18.6	3	50
21	1	SURG	Intracranial vascular procedures w PDX hemorrhage w CC	7.2615	15.1	4	50
22	1	SURG	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC	5.9991	11.5	2	50
23	1	SURG	Craniotomy w major device implant or acute complex CNS PDX w MCC	6.578	15.8	2	50
24	1	SURG	Craniotomy w major device implant or acute complex CNS PDX w/o MCC	4.5128	12.2	1	50
25	1	SURG	Craniotomy & endovascular intracranial procedures w MCC	5.6542	14.9	2	50
26	1	SURG	Craniotomy & endovascular intracranial procedures w CC	3.7489	8.45	1	50
27	1	SURG	Craniotomy & endovascular intracranial procedures w/o CC/MCC	2.7199	4.71	1	50
28	1	SURG	Spinal procedures w MCC	5.0089	14.1	2	50
29	1	SURG	Spinal procedures w CC	3.4097	9.33	1	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
30	1	SURG	Spinal procedures w/o CC/MCC	2.0362	4.67	1	50
31	1	SURG	Ventricular shunt procedures w MCC	3.5647	11.7	2	50
32	1	SURG	Ventricular shunt procedures w CC	1.7599	5.37	1	50
33	1	SURG	Ventricular shunt procedures w/o CC/MCC	1.4945	3.92	1	50
34	1	SURG	Carotid artery stent procedure w MCC	6.2967	16	5	50
35	1	SURG	Carotid artery stent procedure w CC	2.8703	6.81	1	50
36	1	SURG	Carotid artery stent procedure w/o CC/MCC	1.9267	3.48	1	50
37	1	SURG	Extracranial procedures w MCC	4.3256	11.4	1	50
38	1	SURG	Extracranial procedures w CC	1.8907	5.33	1	50
39	1	SURG	Extracranial procedures w/o CC/MCC	1.4079	2.26	1	50
40	1	SURG	Periph & cranial nerve & other nerv syst proc w MCC	3.9253	13.6	2	50
41	1	SURG	Periph & cranial nerve & other nerv syst proc w CC	1.9978	7.01	1	50
42	1	SURG	Periph & cranial nerve & other nerv syst proc w/o CC/MCC	1.6981	3.47	1	50
52	1	MED	Spinal disorders & injuries w CC/MCC	2.0332	7.36	1	50
53	1	MED	Spinal disorders & injuries w/o CC/MCC	0.9004	3.3	1	50
54	1	MED	Nervous system neoplasms w MCC	1.696	6.95	2	50
55	1	MED	Nervous system neoplasms w/o MCC	1.38	5.21	1	50
56	1	MED	Degenerative nervous system disorders w MCC	1.8921	8.68	1	50
57	1	MED	Degenerative nervous system disorders w/o MCC	1.0142	4.83	1	50
58	1	MED	Multiple sclerosis & cerebellar ataxia w MCC	1.597	8.6	2	50
59	1	MED	Multiple sclerosis & cerebellar ataxia w CC	1.078	5.61	1	50
60	1	MED	Multiple sclerosis & cerebellar ataxia w/o CC/MCC	0.8734	4.28	1	50
61	1	MED	Acute ischemic stroke w use of thrombolytic agent w MCC	3.5698	10.6	3	50
62	1	MED	Acute ischemic stroke w use of thrombolytic agent w CC	2.1134	5.03	1	50
63	1	MED	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC	1.8272	3.47	2	50
64	1	MED	Intracranial hemorrhage or cerebral infarction w MCC	2.3942	9.26	1	50
65	1	MED	Intracranial hemorrhage or cerebral infarction w CC	1.476	6.19	2	50
66	1	MED	Intracranial hemorrhage or cerebral infarction w/o CC/MCC	1.1099	4.02	1	50
67	1	MED	Nonspecific cva & precerebral occlusion w/o infarct w MCC	2.5211	6.19	1	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
68	1	MED	Nonspecific cva & precerebral occlusion w/o infarct w/o MCC	1.2109	3.71	1	50
69	1	MED	Transient ischemia	0.8419	3.12	1	50
70	1	MED	Nonspecific cerebrovascular disorders w MCC	1.6644	7.54	1	50
71	1	MED	Nonspecific cerebrovascular disorders w CC	1.3071	6.49	1	50
72	1	MED	Nonspecific cerebrovascular disorders w/o CC/MCC	0.8934	3.7	1	50
73	1	MED	Cranial & peripheral nerve disorders w MCC	1.4423	7.07	1	50
74	1	MED	Cranial & peripheral nerve disorders w/o MCC	0.9209	4.63	1	50
75	1	MED	Viral meningitis w CC/MCC	1.0013	4.46	1	50
76	1	MED	Viral meningitis w/o CC/MCC	0.633	3.24	1	50
77	1	MED	Hypertensive encephalopathy w MCC	1.6848	6.45	1	50
78	1	MED	Hypertensive encephalopathy w CC	1.0831	5.1	2	50
79	1	MED	Hypertensive encephalopathy w/o CC/MCC	0.7178	3.31	1	50
80	1	MED	Nontraumatic stupor & coma w MCC	1.0325	3.95	1	50
81	1	MED	Nontraumatic stupor & coma w/o MCC	0.7588	2.95	1	50
82	1	MED	Traumatic stupor & coma, coma >1 hr w MCC	2.5811	8.7	1	50
83	1	MED	Traumatic stupor & coma, coma >1 hr w CC	1.5907	6.54	1	50
84	1	MED	Traumatic stupor & coma, coma >1 hr w/o CC/MCC	0.9925	2.93	1	50
85	1	MED	Traumatic stupor & coma, coma <1 hr w MCC	2.8481	11.2	1	50
85.1	1	MED	Traumatic stupor & coma, coma <1 hr w MCC	4.0013	8.94	1	50
86	1	MED	Traumatic stupor & coma, coma <1 hr w CC	1.335	5.12	1	50
86.1	1	MED	Traumatic stupor & coma, coma <1 hr w CC	1.1976	4.35	1	50
87	1	MED	Traumatic stupor & coma, coma <1 hr w/o CC/MCC	0.824	3.07	1	50
87.1	1	MED	Traumatic stupor & coma, coma <1 hr w/o CC/MCC	0.5314	2.04	1	50
88	1	MED	Concussion w MCC	1.6804	5.68	1	50
88.1	1	MED	Concussion w MCC	0.4628	3	2	50
89	1	MED	Concussion w CC	0.9075	3.13	1	50
89.1	1	MED	Concussion w CC	0.6988	1.86	1	50
90	1	MED	Concussion w/o CC/MCC	0.7672	2.02	1	50
90.1	1	MED	Concussion w/o CC/MCC	0.4772	1.5	1	50
91	1	MED	Other disorders of nervous system w MCC	1.849	7.34	1	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
92	1	MED	Other disorders of nervous system w CC	1.0772	4.74	1	50
93	1	MED	Other disorders of nervous system w/o CC/MCC	0.841	3.25	1	50
94	1	MED	Bacterial & tuberculous infections of nervous system w MCC	3.1354	11.3	1	50
95	1	MED	Bacterial & tuberculous infections of nervous system w CC	2.1756	8.94	1	50
96	1	MED	Bacterial & tuberculous infections of nervous system w/o CC/MCC	1.9492	6.55	1	50
97	1	MED	Non-bacterial infect of nervous sys exc viral meningitis w MCC	3.3599	13	3	50
98	1	MED	Non-bacterial infect of nervous sys exc viral meningitis w CC	2.104	9.02	2	50
99	1	MED	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC	1.43	6	1	50
100	1	MED	Seizures w MCC	1.3743	6.06	1	50
100	1	MED	Seizures w MCC	0.8576	3.91	1	50
101	1	MED	Seizures w/o MCC	0.7294	3.45	1	50
101	1	MED	Seizures w/o MCC	0.5025	2.54	1	50
102	1	MED	Headaches w MCC	1.1369	4.31	1	50
102	1	MED	Headaches w MCC	0.6488	2.38	1	50
103	1	MED	Headaches w/o MCC	0.8011	3.38	1	50
103	1	MED	Headaches w/o MCC	0.6058	2.57	1	50
113	2	SURG	Orbital procedures w CC/MCC	1.7523	4.92	1	50
114	2	SURG	Orbital procedures w/o CC/MCC	1.1911	3.37	1	50
115	2	SURG	Extraocular procedures except orbit	1.5206	4.61	1	50
116	2	SURG	Intraocular procedures w CC/MCC	2.4314	11.7	1	50
117	2	SURG	Intraocular procedures w/o CC/MCC	1.0586	3.19	1	50
121	2	MED	Acute major eye infections w CC/MCC	1.0157	5.68	1	50
122	2	MED	Acute major eye infections w/o CC/MCC	0.5283	3.12	1	50
123	2	MED	Neurological eye disorders	0.8033	3.31	1	50
124	2	MED	Other disorders of the eye w MCC	2.7044	12	1	50
125	2	MED	Other disorders of the eye w/o MCC	0.6096	3.06	1	50
129	3	SURG	Major head & neck procedures w CC/MCC or major device	3.4281	6.25	1	50
130	3	SURG	Major head & neck procedures w/o CC/MCC	1.3472	3.44	1	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
131	3	SURG	Cranial/facial procedures w CC/MCC	2.0942	5.89	1	50
132	3	SURG	Cranial/facial procedures w/o CC/MCC	1.3219	2.56	1	50
133	3	SURG	Other ear, nose, mouth & throat O.R. procedures w CC/MCC	1.4788	5.29	1	50
134	3	SURG	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC	0.8092	2.43	1	50
135	3	SURG	Sinus & mastoid procedures w CC/MCC	2.0705	7.74	2	50
136	3	SURG	Sinus & mastoid procedures w/o CC/MCC	1.4553	3.47	1	50
137	3	SURG	Mouth procedures w CC/MCC	1.2998	4.86	1	50
138	3	SURG	Mouth procedures w/o CC/MCC	0.7678	3.02	1	50
139	3	SURG	Salivary gland procedures	1.1718	2.56	1	50
146	3	MED	Ear, nose, mouth & throat malignancy w MCC	2.3888	8.25	2	50
147	3	MED	Ear, nose, mouth & throat malignancy w CC	1.5898	7.72	1	50
148	3	MED	Ear, nose, mouth & throat malignancy w/o CC/MCC	0.9026	3.81	1	50
149	3	MED	Dysequilibrium	0.784	3.32	1	50
150	3	MED	Epistaxis w MCC	1.3236	7.45	2	50
151	3	MED	Epistaxis w/o MCC	0.6719	3.29	1	50
152	3	MED	Otitis media & URI w MCC	1.0087	4.58	1	50
152	3	MED	Otitis media & URI w MCC	0.6492	3.71	1	50
153	3	MED	Otitis media & URI w/o MCC	0.5309	2.72	1	50
153	3	MED	Otitis media & URI w/o MCC	0.3818	2.4	1	50
154	3	MED	Nasal trauma & deformity w MCC	1.4542	6.31	1	50
155	3	MED	Nasal trauma & deformity w CC	0.8653	4.01	1	50
156	3	MED	Nasal trauma & deformity w/o CC/MCC	0.6348	3.01	1	50
157	3	MED	Dental & Oral Diseases w MCC	1.1352	5.16	1	50
158	3	MED	Dental & Oral Diseases w CC	0.7071	3.19	1	50
159	3	MED	Dental & Oral Diseases w/o CC/MCC	0.6186	2.7	1	50
163	4	SURG	Major chest procedures w MCC	4.757	15.3	2	50
164	4	SURG	Major chest procedures w CC	3.0915	10.3	2	50
165	4	SURG	Major chest procedures w/o CC/MCC	1.966	6.02	2	50
166	4	SURG	Other resp system O.R. procedures w MCC	3.8833	14	3	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
167	4	SURG	Other resp system O.R. procedures w CC	2.1933	8.28	2	50
168	4	SURG	Other resp system O.R. procedures w/o CC/MCC	1.4981	5.85	2	50
175	4	MED	Pulmonary embolism w MCC	1.7774	7.7	2	50
176	4	MED	Pulmonary embolism w/o MCC	1.1352	5.3	1	50
177	4	MED	Respiratory infections & inflammations w MCC	2.2744	10.2	2	50
178	4	MED	Respiratory infections & inflammations w CC	1.6422	7.6	1	50
179	4	MED	Respiratory infections & inflammations w/o CC/MCC	1.4656	6.74	1	50
180	4	MED	Respiratory neoplasms w MCC	1.928	8.48	2	50
181	4	MED	Respiratory neoplasms w CC	1.468	6.49	1	50
182	4	MED	Respiratory neoplasms w/o CC/MCC	1.1115	4.65	1	50
183	4	MED	Major chest trauma w MCC	1.253	5.5	1	50
184	4	MED	Major chest trauma w CC	1.074	3.58	1	50
185	4	MED	Major chest trauma w/o CC/MCC	0.7224	2.73	1	50
186	4	MED	Pleural effusion w MCC	1.6788	7.7	2	50
187	4	MED	Pleural effusion w CC	1.2868	5.31	1	50
188	4	MED	Pleural effusion w/o CC/MCC	0.9188	4.07	1	50
189	4	MED	Pulmonary edema & respiratory failure	1.5217	6.17	1	50
190	4	MED	Chronic obstructive pulmonary disease w MCC	1.1803	5.64	1	50
190	4	MED	Chronic obstructive pulmonary disease w MCC	1.4251	6.13	1	50
191	4	MED	Chronic obstructive pulmonary disease w CC	0.9493	4.57	1	50
191	4	MED	Chronic obstructive pulmonary disease w CC	1.0894	5.75	1	50
192	4	MED	Chronic obstructive pulmonary disease w/o CC/MCC	0.7201	3.56	1	50
192	4	MED	Chronic obstructive pulmonary disease w/o CC/MCC	0.5121	2.72	1	50
193	4	MED	Simple pneumonia & pleurisy w MCC	1.5042	6.82	2	50
193	4	MED	Simple pneumonia & pleurisy w MCC	1.0957	5.63	2	50
194	4	MED	Simple pneumonia & pleurisy w CC	0.9902	4.6	1	50
194	4	MED	Simple pneumonia & pleurisy w CC	0.5649	3.08	1	50
195	4	MED	Simple pneumonia & pleurisy w/o CC/MCC	0.7327	3.37	1	50
195	4	MED	Simple pneumonia & pleurisy w/o CC/MCC	0.4206	2.52	1	50
196	4	MED	Interstitial lung disease w MCC	1.6801	7.89	2	50

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197	4	MED	Interstitial lung disease w CC	1.1185	5.94	1	50
198	4	MED	Interstitial lung disease w/o CC/MCC	0.7839	3.92	1	50
199	4	MED	Pneumothorax w MCC	1.7438	7.43	1	50
200	4	MED	Pneumothorax w CC	0.9987	4.71	1	50
201	4	MED	Pneumothorax w/o CC/MCC	0.6905	3.78	1	50
202	4	MED	Bronchitis & asthma w CC/MCC	0.8077	3.79	1	50
202	4	MED	Bronchitis & asthma w CC/MCC	0.5733	3.21	1	50
203	4	MED	Bronchitis & asthma w/o CC/MCC	0.5651	2.86	1	50
203	4	MED	Bronchitis & asthma w/o CC/MCC	0.3782	2.24	1	50
204	4	MED	Respiratory signs & symptoms	0.802	3.17	1	50
204	4	MED	Respiratory signs & symptoms	0.5714	3.03	1	50
205	4	MED	Other respiratory system diagnoses w MCC	1.1516	5.62	1	50
206	4	MED	Other respiratory system diagnoses w/o MCC	0.7821	3.22	1	50
207	4	MED	Respiratory system diagnosis w ventilator support 96+ hours	5.4002	16	5	50
208	4	MED	Respiratory system diagnosis w ventilator support <96 hours	2.1772	6.9	1	50
215	5	SURG	Other heart assist system implant	4.8794	7.71	1	50
216	5	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC	11.833	24	7	56
217	5	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w CC	7.6026	17.2	2	50
218	5	SURG	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC	5.7701	6.29	1	50
219	5	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC	8.5936	15.6	4	50
220	5	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC	5.2803	9.31	3	50
221	5	SURG	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC	3.9629	6.1	3	50
222	5	SURG	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC	9.1938	15.5	3	50
223	5	SURG	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC	7.0484	9.41	2	50
224	5	SURG	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC	8.9504	11.8	1	50

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DRG	MDC	Type	Description	Relative Weight	Avg LOS	Low Day	High Day
225	5	SURG	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC	5.7239	5.92	1	50
226	5	SURG	Cardiac defibrillator implant w/o cardiac cath w MCC	7.2437	11.1	2	50
227	5	SURG	Cardiac defibrillator implant w/o cardiac cath w/o MCC	5.7788	4.71	1	50
228	5	SURG	Other cardiothoracic procedures w MCC	8.1898	16.2	4	50
229	5	SURG	Other cardiothoracic procedures w CC	5.775	10.3	2	50
230	5	SURG	Other cardiothoracic procedures w/o CC/MCC	3.7949	6.21	1	50
231	5	SURG	Coronary bypass w PTCA w MCC	6.9897	14.7	2	50
232	5	SURG	Coronary bypass w PTCA w/o MCC	6.088	10.7	6	50
233	5	SURG	Coronary bypass w cardiac cath w MCC	7.0959	15.8	5	50
234	5	SURG	Coronary bypass w cardiac cath w/o MCC	4.8776	10.8	5	50
235	5	SURG	Coronary bypass w/o cardiac cath w MCC	5.723	12.6	4	50
236	5	SURG	Coronary bypass w/o cardiac cath w/o MCC	3.9414	7.97	4	50
237	5	SURG	Major cardiovascular procedures w MCC	6.6337	14.2	2	50
238	5	SURG	Major cardiovascular procedures w/o MCC	3.2739	7.2	1	50
239	5	SURG	Amputation for circ sys disorders exc upper limb & toe w MCC	5.2346	19.4	4	50
240	5	SURG	Amputation for circ sys disorders exc upper limb & toe w CC	3.2645	13	3	50
241	5	SURG	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC	1.6292	7.32	2	50
242	5	SURG	Permanent cardiac pacemaker implant w MCC	4.8713	11.2	1	50
243	5	SURG	Permanent cardiac pacemaker implant w CC	3.4957	7.16	1	50
244	5	SURG	Permanent cardiac pacemaker implant w/o CC/MCC	2.4937	4.11	1	50
245	5	SURG	AICD lead & generator procedures	5.183	5.05	1	50
246	5	SURG	Percutaneous cardiovascular proc w drug-eluting stent w MCC	3.6434	6.57	1	50
247	5	SURG	Percutaneous cardiovascular proc w drug-eluting stent w/o MCC	2.4538	3.03	1	50
248	5	SURG	Percutaneous cardiovasc proc w non-drug-eluting stent w MCC	3.0364	5.56	1	50
249	5	SURG	Percutaneous cardiovasc proc w non-drug-eluting stent w/o MCC	2.1605	3.49	1	50
250	5	SURG	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC	3.9711	10.5	1	50

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251	5	SURG	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC	2.292	3.15	1	50
252	5	SURG	Other vascular procedures w MCC	3.3601	10.2	2	50
253	5	SURG	Other vascular procedures w CC	2.8412	7.01	1	50
254	5	SURG	Other vascular procedures w/o CC/MCC	2.0385	3.52	1	50
255	5	SURG	Upper limb & toe amputation for circ system disorders w MCC	3.5842	13.2	5	50
256	5	SURG	Upper limb & toe amputation for circ system disorders w CC	1.9313	9.44	2	50
257	5	SURG	Upper limb & toe amputation for circ system disorders w/o CC/MCC	1.1688	5.82	1	50
258	5	SURG	Cardiac pacemaker device replacement w MCC	3.6024	4	2	50
259	5	SURG	Cardiac pacemaker device replacement w/o MCC	1.7176	3.44	1	50
260	5	SURG	Cardiac pacemaker revision except device replacement w MCC	3.5629	13	3	50
261	5	SURG	Cardiac pacemaker revision except device replacement w CC	1.9514	6.79	1	50
262	5	SURG	Cardiac pacemaker revision except device replacement w/o CC/MCC	1.437	5.56	1	50
263	5	SURG	Vein ligation & stripping	1.4946	4.33	1	50
264	5	SURG	Other circulatory system O.R. procedures	2.4381	10.6	2	50
265	5	SURG	AICD Lead Procedures	2.2177	5.17	1	50
280	5	MED	Acute myocardial infarction, discharged alive w MCC	2.238	7.65	1	50
281	5	MED	Acute myocardial infarction, discharged alive w CC	1.4718	4.96	1	50
282	5	MED	Acute myocardia infarction, discharged alive w/o CC/MCC	1.3366	3.08	1	50
283	5	MED	Acute myocardial infarction, expired w MCC	3.0848	7.78	1	50
284	5	MED	Acute myocardial infarction, expired w CC	1.8228	6.64	1	50
285	5	MED	Acute myocardial infarction, expired w/o CC/MCC	0.615	1	1	50
286	5	MED	Circulatory disorders except AMI, w card cath w MCC	2.2814	8.11	1	50
287	5	MED	Circulatory disorders except AMI, w card cath w/o MCC	1.3288	3.89	1	50
288	5	MED	Acute & subacute endocarditis w MCC	3.5485	14.6	2	50
289	5	MED	Acute & subacute endocarditis w CC	2.2567	12.1	2	50
290	5	MED	Acute & subacute endocarditis w/o CC/MCC	0.8772	4	1	50
291	5	MED	Heart failure & shock w MCC	1.4312	6.53	1	50

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292	5	MED	Heart failure & shock w CC	0.9581	4.92	1	50
293	5	MED	Heart failure & shock w/o CC/MCC	0.7358	3.61	1	50
294	5	MED	Deep vein thrombophlebitis w CC/MCC	1.5065	6.44	3	50
295	5	MED	Deep vein thrombophlebitis w/o CC/MCC	0.4651	3.25	2	50
296	5	MED	Cardiac arrest, unexplained w MCC	1.6736	4.39	1	50
297	5	MED	Cardiac arrest, unexplained w CC	1.5532	3.75	1	50
298	5	MED	Cardiac arrest, unexplained w/o CC/MCC	1.3572	1	1	50
299	5	MED	Peripheral vascular disorders w MCC	1.7383	7.91	1	50
300	5	MED	Peripheral vascular disorders w CC	1.0356	5.15	1	50
301	5	MED	Peripheral vascular disorders w/o CC/MCC	0.7136	3.84	1	50
302	5	MED	Atherosclerosis w MCC	1.4729	5.13	1	50
303	5	MED	Atherosclerosis w/o MCC	0.8942	2.96	1	50
304	5	MED	Hypertension w MCC	1.1876	5.24	1	50
305	5	MED	Hypertension w/o MCC	0.7133	3.05	1	50
306	5	MED	Cardiac congenital & valvular disorders w MCC	5.2837	10.9	1	50
307	5	MED	Cardiac congenital & valvular disorders w/o MCC	1.3699	4.86	1	50
308	5	MED	Cardiac arrhythmia & conduction disorders w MCC	1.4681	6.32	1	50
309	5	MED	Cardiac arrhythmia & conduction disorders w CC	0.9211	3.87	1	50
310	5	MED	Cardiac arrhythmia & conduction disorders w/o CC/MCC	0.6589	2.78	1	50
311	5	MED	Angina pectoris	0.7829	2.58	1	50
312	5	MED	Syncope & collapse	0.7401	3.04	1	50
313	5	MED	Chest pain	0.7088	2.64	1	50
314	5	MED	Other circulatory system diagnoses w MCC	2.0329	8.82	2	50
315	5	MED	Other circulatory system diagnoses w CC	1.2185	5.44	1	50
316	5	MED	Other circulatory system diagnoses w/o CC/MCC	0.9581	3.26	1	50
326	6	SURG	Stomach, esophageal & duodenal proc w MCC	5.3881	17	2	50
326	6	SURG	Stomach, esophageal & duodenal proc w MCC	4.6419	15.2	2	50
327	6	SURG	Stomach, esophageal & duodenal proc w CC	2.8031	10.1	2	50
327	6	SURG	Stomach, esophageal & duodenal proc w CC	1.491	5.61	1	50
328	6	SURG	Stomach, esophageal & duodenal proc w/o CC/MCC	1.5191	3.75	1	50

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328	6	SURG	Stomach, esophageal & duodenal proc w/o CC/MCC	0.852	3.13	1	50
329	6	SURG	Major small & large bowel procedures w MCC	5.0214	16.8	3	50
330	6	SURG	Major small & large bowel procedures w CC	2.7039	10.6	3	50
331	6	SURG	Major small & large bowel procedures w/o CC/MCC	1.8157	6.32	1	50
332	6	SURG	Rectal resection w MCC	3.5082	12.2	3	50
333	6	SURG	Rectal resection w CC	2.4729	8.76	1	50
334	6	SURG	Rectal resection w/o CC/MCC	2.2393	6.51	1	50
335	6	SURG	Peritoneal adhesiolysis w MCC	4.0764	13.8	2	50
336	6	SURG	Peritoneal adhesiolysis w CC	2.2707	8.21	1	50
337	6	SURG	Peritoneal adhesiolysis w/o CC/MCC	1.5481	4.42	1	50
338	6	SURG	Appendectomy w complicated principal diag w MCC	2.7898	9.13	1	50
339	6	SURG	Appendectomy w complicated principal diag w CC	2.2159	7.52	2	50
340	6	SURG	Appendectomy w complicated principal diag w/o CC/MCC	1.4933	4.57	1	50
341	6	SURG	Appendectomy w/o complicated principal diag w MCC	1.9832	5.51	1	50
342	6	SURG	Appendectomy w/o complicated principal diag w CC	1.3319	3.26	1	50
343	6	SURG	Appendectomy w/o complicated principal diag w/o CC/MCC	1.0198	2.05	1	50
344	6	SURG	Minor small & large bowel procedures w MCC	4.2089	15.8	4	50
345	6	SURG	Minor small & large bowel procedures w CC	1.9623	8.07	2	50
346	6	SURG	Minor small & large bowel procedures w/o CC/MCC	1.2886	4.93	2	50
347	6	SURG	Anal & stomal procedures w MCC	1.9467	8.44	2	50
348	6	SURG	Anal & stomal procedures w CC	1.3095	5.15	1	50
349	6	SURG	Anal & stomal procedures w/o CC/MCC	0.7794	2.95	1	50
350	6	SURG	Inguinal & femoral hernia procedures w MCC	2.1194	7	2	50
351	6	SURG	Inguinal & femoral hernia procedures w CC	1.1535	4.44	1	50
352	6	SURG	Inguinal & femoral hernia procedures w/o CC/MCC	0.865	2.06	1	50
353	6	SURG	Hernia procedures except inguinal & femoral w MCC	2.6099	9.96	1	50
354	6	SURG	Hernia procedures except inguinal & femoral w CC	1.7168	5.28	1	50
355	6	SURG	Hernia procedures except inguinal & femoral w/o CC/MCC	1.3291	3.76	1	50
356	6	SURG	Other digestive system O.R. procedures w MCC	3.9193	12.9	2	50
357	6	SURG	Other digestive system O.R. procedures w CC	2.1461	8.08	1	50

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358	6	SURG	Other digestive system O.R. procedures w/o CC/MCC	1.4805	4.74	1	50
368	6	MED	Major esophageal disorders w MCC	1.9201	7.48	2	50
369	6	MED	Major esophageal disorders w CC	1.2327	5.1	1	50
370	6	MED	Major esophageal disorders w/o CC/MCC	0.8272	3.68	1	50
371	6	MED	Major gastrointestinal disorders & peritoneal infections w MCC	1.8673	8.79	2	50
372	6	MED	Major gastrointestinal disorders & peritoneal infections w CC	1.242	6.42	1	50
373	6	MED	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC	0.8689	4.16	1	50
374	6	MED	Digestive malignancy w MCC	2.125	9.72	1	50
375	6	MED	Digestive malignancy w CC	1.5013	6.97	1	50
376	6	MED	Digestive malignancy w/o CC/MCC	1.4009	6.05	1	50
377	6	MED	G.I. hemorrhage w MCC	1.9433	7.48	1	50
378	6	MED	G.I. hemorrhage w CC	1.0726	4.45	1	50
379	6	MED	G.I. hemorrhage w/o CC/MCC	0.7625	3.19	1	50
380	6	MED	Complicated peptic ulcer w MCC	1.8927	7.77	1	50
381	6	MED	Complicated peptic ulcer w CC	1.1434	5.25	2	50
382	6	MED	Complicated peptic ulcer w/o CC/MCC	0.8798	3.88	1	50
383	6	MED	Uncomplicated peptic ulcer w MCC	1.3297	5.42	2	50
384	6	MED	Uncomplicated peptic ulcer w/o MCC	0.9367	3.9	1	50
385	6	MED	Inflammatory bowel disease w MCC	1.9384	10.1	2	50
386	6	MED	Inflammatory bowel disease w CC	1.0858	5.91	2	50
387	6	MED	Inflammatory bowel disease w/o CC/MCC	0.7889	4.11	1	50
388	6	MED	G.I. obstruction w MCC	1.4888	7.63	2	50
389	6	MED	G.I. obstruction w CC	1.0162	5.5	1	50
390	6	MED	G.I. obstruction w/o CC/MCC	0.6782	3.53	1	50
391	6	MED	Esophagitis, gastroent & misc digest disorders w MCC	1.1259	5.45	1	50
392	6	MED	Esophagitis, gastroent & misc digest disorders w/o MCC	0.7158	3.44	1	50
393	6	MED	Other digestive system diagnoses w MCC	1.5726	7.12	1	50
394	6	MED	Other digestive system diagnoses w CC	1.0958	5.3	1	50
395	6	MED	Other digestive system diagnoses w/o CC/MCC	0.7967	3.04	1	50

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405	7	SURG	Pancreas, liver & shunt procedures w MCC	5.4845	16.5	3	50
406	7	SURG	Pancreas, liver & shunt procedures w CC	3.0604	11.2	2	50
407	7	SURG	Pancreas, liver & shunt procedures w/o CC/MCC	1.8741	5.22	1	50
408	7	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC	3.5126	12.3	4	50
409	7	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC	2.4811	9.07	3	50
410	7	SURG	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC	2.3184	7.47	2	50
411	7	SURG	Cholecystectomy w c.d.e. w MCC	2.5384	9.13	4	50
412	7	SURG	Cholecystectomy w c.d.e. w CC	1.922	6.44	2	50
413	7	SURG	Cholecystectomy w c.d.e. w/o CC/MCC	1.9598	4.94	2	50
414	7	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w MCC	2.9734	10.2	2	50
415	7	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w CC	2.1632	6.54	2	50
416	7	SURG	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC	1.3843	4.04	1	50
417	7	SURG	Laparoscopic cholecystectomy w/o c.d.e. w MCC	1.9734	6.49	2	50
418	7	SURG	Laparoscopic cholecystectomy w/o c.d.e. w CC	1.5861	4.65	1	50
419	7	SURG	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC	1.2436	3.02	1	50
420	7	SURG	Hepatobiliary diagnostic procedures w MCC	2.5232	7.85	1	50
421	7	SURG	Hepatobiliary diagnostic procedures w CC	2.0894	6.53	1	50
422	7	SURG	Hepatobiliary diagnostic procedures w/o CC/MCC	2.3567	6.56	2	50
423	7	SURG	Other hepatobiliary or pancreas O.R. procedures w MCC	5.1525	18.4	5	50
424	7	SURG	Other hepatobiliary or pancreas O.R. procedures w CC	3.192	11.1	2	50
425	7	SURG	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC	2.0232	8.6	2	50
432	7	MED	Cirrhosis & alcoholic hepatitis w MCC	1.7835	7.8	1	50
433	7	MED	Cirrhosis & alcoholic hepatitis w CC	0.9988	5.52	1	50
434	7	MED	Cirrhosis & alcoholic hepatitis w/o CC/MCC	0.9184	4.67	1	50
435	7	MED	Malignancy of hepatobiliary system or pancreas w MCC	1.9802	9.9	2	50
436	7	MED	Malignancy of hepatobiliary system or pancreas w CC	1.4807	7.27	2	50
437	7	MED	Malignancy of hepatobiliary system or pancreas w/o CC/MCC	1.1103	4.59	1	50
438	7	MED	Disorders of pancreas except malignancy w MCC	1.9291	9.14	2	50

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439	7	MED	Disorders of pancreas except malignancy w CC	1.0258	5.17	1	50
440	7	MED	Disorders of pancreas except malignancy w/o CC/MCC	0.7409	3.81	1	50
441	7	MED	Disorders of liver except malig,cirr,alc hepa w MCC	2.1043	8.52	1	50
442	7	MED	Disorders of liver except malig,cirr,alc hepa w CC	1.0652	5.45	1	50
443	7	MED	Disorders of liver except malig,cirr,alc hepa w/o CC/MCC	0.7372	3.78	1	50
444	7	MED	Disorders of the biliary tract w MCC	1.7657	7.25	1	50
445	7	MED	Disorders of the biliary tract w CC	1.244	4.81	1	50
446	7	MED	Disorders of the biliary tract w/o CC/MCC	0.8003	3.03	1	50
453	8	SURG	Combined anterior/posterior spinal fusion w MCC	8.7119	17.3	4	50
454	8	SURG	Combined anterior/posterior spinal fusion w CC	4.6501	8.13	1	50
455	8	SURG	Combined anterior/posterior spinal fusion w/o CC/MCC	2.5604	3.31	1	50
456	8	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w MCC	7.2063	11.5	4	50
457	8	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w CC	6.8957	7.47	3	50
458	8	SURG	Spinal fusion exc cerv w spinal curv, malig or 9+ fusions w/o CC/MCC	5.3971	4.67	2	50
459	8	SURG	Spinal fusion except cervical w MCC	5.779	10.4	3	50
460	8	SURG	Spinal fusion except cervical w/o MCC	3.3122	3.81	1	50
461	8	SURG	Bilateral or multiple major joint procs of lower extremity w MCC	7.4434	18	6	50
462	8	SURG	Bilateral or multiple major joint procs of lower extremity w/o MCC	3.3811	4.94	3	50
463	8	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC	5.9078	20.6	3	51
464	8	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC	2.6868	11	2	50
465	8	SURG	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC	1.8648	5.99	1	50
466	8	SURG	Revision of hip or knee replacement w MCC	4.5485	13.2	4	50
467	8	SURG	Revision of hip or knee replacement w CC	3.1101	5.8	2	50
468	8	SURG	Revision of hip or knee replacement w/o CC/MCC	2.537	3.69	1	50
469	8	SURG	Major joint replacement or reattachment of lower extremity w MCC	3.3782	8.69	3	50

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470	8	SURG	Major joint replacement or reattachment of lower extremity w/o MCC	2.2917	4.01	2	50
471	8	SURG	Cervical spinal fusion w MCC	4.1734	10.1	1	50
472	8	SURG	Cervical spinal fusion w CC	2.7085	4.48	1	50
473	8	SURG	Cervical spinal fusion w/o CC/MCC	1.8895	2.02	1	50
474	8	SURG	Amputation for musculoskeletal sys & conn tissue dis w MCC	4.257	14.9	3	50
475	8	SURG	Amputation for musculoskeletal sys & conn tissue dis w CC	2.0814	8.82	1	50
476	8	SURG	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC	1.1841	4.57	1	50
477	8	SURG	Biopsies of musculoskeletal system & connective tissue w MCC	2.9803	15.2	4	50
478	8	SURG	Biopsies of musculoskeletal system & connective tissue w CC	2.4482	9.18	1	50
479	8	SURG	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC	1.5522	5.8	1	50
480	8	SURG	Hip & femur procedures except major joint w MCC	3.6826	11	2	50
480	8	SURG	Hip & femur procedures except major joint w MCC	1.6949	4.95	2	50
481	8	SURG	Hip & femur procedures except major joint w CC	2.4525	7.65	2	50
481	8	SURG	Hip & femur procedures except major joint w CC	1.5956	3.95	1	50
482	8	SURG	Hip & femur procedures except major joint w/o CC/MCC	1.819	4.28	1	50
482	8	SURG	Hip & femur procedures except major joint w/o CC/MCC	1.2492	2.67	1	50
483	8	SURG	Major joint & limb reattachment proc of upper extremity w CC/MCC	2.4771	2.94	1	50
484	8	SURG	Major joint & limb reattachment proc of upper extremity w/o CC/MCC	1.9032	2.14	1	50
485	8	SURG	Knee procedures w pdx of infection w MCC	3.3843	12.9	4	50
486	8	SURG	Knee procedures w pdx of infection w CC	2.479	9.77	2	50
487	8	SURG	Knee procedures w pdx of infection w/o CC/MCC	1.4312	4.59	1	50
488	8	SURG	Knee procedures w/o pdx of infection w CC/MCC	1.8291	5.35	1	50
489	8	SURG	Knee procedures w/o pdx of infection w/o CC/MCC	1.2629	2.16	1	50
490	8	SURG	Back & neck procedures except spinal fusion w CC/MCC or disc devices	2.0419	5.22	1	50
491	8	SURG	Back & neck procedures except spinal fusion w/o CC/MCC	1.0401	2.19	1	50
492	8	SURG	Lower extrem & humer proc except hip,foot,femur w MCC	3.1753	9.7	3	50

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492	8	SURG	Lower extrem & humer proc except hip,foot,femur w MCC	1.2413	2.83	1	50
493	8	SURG	Lower extrem & humer proc except hip,foot,femur w CC	2.0892	5.34	1	50
493	8	SURG	Lower extrem & humer proc except hip,foot,femur w CC	1.4665	3.12	1	50
494	8	SURG	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC	1.4047	3.11	1	50
494	8	SURG	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC	1.0444	2.01	1	50
495	8	SURG	Local excision & removal int fix devices exc hip & femur w MCC	3.0169	9.1	1	50
496	8	SURG	Local excision & removal int fix devices exc hip & femur w CC	2.0144	7.16	1	50
497	8	SURG	Local excision & removal int fix devices exc hip & femur w/o CC/MCC	1.3005	2.85	1	50
498	8	SURG	Local excision & removal int fix devices of hip & femur w CC/MCC	1.8699	6.83	2	50
499	8	SURG	Local excision & removal int fix devices of hip & femur w/o CC/MCC	1.2477	4	1	50
500	8	SURG	Soft tissue procedures w MCC	2.5751	9.1	1	50
501	8	SURG	Soft tissue procedures w CC	1.5078	5.75	1	50
502	8	SURG	Soft tissue procedures w/o CC/MCC	1.0784	2.85	1	50
503	8	SURG	Foot procedures w MCC	2.5475	8.9	4	50
504	8	SURG	Foot procedures w CC	1.7987	7.05	2	50
505	8	SURG	Foot procedures w/o CC/MCC	1.0632	2.48	1	50
506	8	SURG	Major thumb or joint procedures	0.9917	3.64	2	50
507	8	SURG	Major shoulder or elbow joint procedures w CC/MCC	1.1068	3.82	1	50
508	8	SURG	Major shoulder or elbow joint procedures w/o CC/MCC	1.2268	3.11	1	50
509	8	SURG	Arthroscopy	1.558	5.4	1	50
510	8	SURG	Shoulder,elbow or forearm proc,exc major joint proc w MCC	2.0939	5.11	2	50
511	8	SURG	Shoulder,elbow or forearm proc,exc major joint proc w CC	1.4992	3.55	1	50
512	8	SURG	Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC	1.0285	2.03	1	50
513	8	SURG	Hand or wrist proc, except major thumb or joint proc w CC/MCC	1.3438	4.19	1	50
514	8	SURG	Hand or wrist proc, except major thumb or joint proc w/o CC/MCC	0.9623	2.67	1	50

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515	8	SURG	Other musculoskelet sys & conn tiss O.R. proc w MCC	3.552	10.8	1	50
516	8	SURG	Other musculoskelet sys & conn tiss O.R. proc w CC	2.494	6	1	50
517	8	SURG	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC	2.0636	3.85	1	50
533	8	MED	Fractures of femur w MCC	1.3535	5	2	50
534	8	MED	Fractures of femur w/o MCC	0.8023	3.32	1	50
535	8	MED	Fractures of hip & pelvis w MCC	2.0716	8.91	1	50
536	8	MED	Fractures of hip & pelvis w/o MCC	0.9782	4.52	1	50
537	8	MED	Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC	1.048	7	7	50
538	8	MED	Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC	0.7656	1.8	1	50
539	8	MED	Osteomyelitis w MCC	2.0129	10.7	1	50
540	8	MED	Osteomyelitis w CC	1.2704	7.02	1	50
541	8	MED	Osteomyelitis w/o CC/MCC	0.9919	5.09	1	50
542	8	MED	Pathological fractures & musculoskelet & conn tiss malig w MCC	3.2078	11.9	3	50
543	8	MED	Pathological fractures & musculoskelet & conn tiss malig w CC	1.5206	6.77	1	50
544	8	MED	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC	0.9533	4.27	1	50
545	8	MED	Connective tissue disorders w MCC	2.7142	11	2	50
546	8	MED	Connective tissue disorders w CC	1.2825	5.94	1	50
547	8	MED	Connective tissue disorders w/o CC/MCC	0.9402	3.92	1	50
548	8	MED	Septic arthritis w MCC	2.4495	10.1	3	50
549	8	MED	Septic arthritis w CC	1.2571	6.91	1	50
550	8	MED	Septic arthritis w/o CC/MCC	0.7114	3.67	1	50
551	8	MED	Medical back problems w MCC	1.743	6.83	1	50
552	8	MED	Medical back problems w/o MCC	1.0867	3.84	1	50
553	8	MED	Bone diseases & arthropathies w MCC	1.8709	6.09	1	50
554	8	MED	Bone diseases & arthropathies w/o MCC	1.3346	3.63	1	50
555	8	MED	Signs & symptoms of musculoskeletal system & conn tissue w MCC	1.3265	5.54	1	50

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556	8	MED	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC	0.8038	3.33	1	50
557	8	MED	Tendonitis, myositis & bursitis w MCC	2.0613	7.18	1	50
558	8	MED	Tendonitis, myositis & bursitis w/o MCC	0.8545	4.5	1	50
559	8	MED	Aftercare, musculoskeletal system & connective tissue w MCC	1.768	8.05	1	50
560	8	MED	Aftercare, musculoskeletal system & connective tissue w CC	1.4413	6	1	50
561	8	MED	Aftercare, musculoskeletal system & connective tissue w/o CC/MCC	1.4213	3.2	1	50
562	8	MED	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC	1.2858	4.2	1	50
563	8	MED	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC	0.8237	3.03	1	50
564	8	MED	Other musculoskeletal sys & connective tissue diagnoses w MCC	1.7507	5.95	2	50
565	8	MED	Other musculoskeletal sys & connective tissue diagnoses w CC	1.0567	5.18	1	50
566	8	MED	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC	0.9224	3.44	1	50
570	9	SURG	SKIN DEBRIDEMENT W MCC	2.3735	11.7	2	50
571	9	SURG	SKIN DEBRIDEMENT W CC	1.5633	7.11	1	50
572	9	SURG	SKIN DEBRIDEMENT W/O CC/MCC	1.1525	4.97	1	50
573	9	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w MCC	2.6686	14	3	50
574	9	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w CC	2.5763	13.5	3	50
575	9	SURG	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC	1.5411	7.6	1	50
576	9	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC	4.0828	12.3	3	50
577	9	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC	3.048	10.2	1	50
578	9	SURG	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC	1.4716	3.95	1	50
579	9	SURG	Other skin, subcut tiss & breast proc w MCC	2.5834	11	2	50
580	9	SURG	Other skin, subcut tiss & breast proc w CC	1.6199	6.52	1	50
581	9	SURG	Other skin, subcut tiss & breast proc w/o CC/MCC	0.9742	3.21	1	50
582	9	SURG	Mastectomy for malignancy w CC/MCC	1.2083	2.76	1	50
583	9	SURG	Mastectomy for malignancy w/o CC/MCC	1.1789	2.15	1	50

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584	9	SURG	Breast biopsy, local excision & other breast procedures w CC/MCC	1.4805	5.56	1	50
585	9	SURG	Breast biopsy, local excision & other breast procedures w/o CC/MCC	1.2456	2.76	1	50
592	9	MED	Skin ulcers w MCC	1.2479	7.15	1	50
593	9	MED	Skin ulcers w CC	0.9062	5.58	1	50
594	9	MED	Skin ulcers w/o CC/MCC	0.7737	4.11	1	50
595	9	MED	Major skin disorders w MCC	1.7234	8.1	2	50
596	9	MED	Major skin disorders w/o MCC	0.7785	4.92	1	50
597	9	MED	Malignant breast disorders w MCC	1.6086	7.27	1	50
598	9	MED	Malignant breast disorders w CC	1.3127	5.75	1	50
599	9	MED	Malignant breast disorders w/o CC/MCC	0.9711	4	1	50
600	9	MED	Non-malignant breast disorders w CC/MCC	0.8446	4.51	1	50
601	9	MED	Non-malignant breast disorders w/o CC/MCC	0.6032	3.3	1	50
602	9	MED	Cellulitis w MCC	1.3559	6.94	1	50
603	9	MED	Cellulitis w/o MCC	0.6551	3.72	1	50
604	9	MED	Trauma to the skin, subcut tiss & breast w MCC	1.349	4.25	1	50
605	9	MED	Trauma to the skin, subcut tiss & breast w/o MCC	0.6865	2.54	1	50
606	9	MED	Minor skin disorders w MCC	1.0292	5.25	1	50
607	9	MED	Minor skin disorders w/o MCC	0.5715	3.6	1	50
614	10	SURG	Adrenal & pituitary procedures w CC/MCC	2.6567	7.89	1	50
615	10	SURG	Adrenal & pituitary procedures w/o CC/MCC	1.6716	3.15	1	50
616	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC	4.6171	18.9	7	50
617	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w CC	2.1359	9.22	3	50
618	10	SURG	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC	1.8121	7	7	50
619	10	SURG	O.R. procedures for obesity w MCC	2.3913	7.33	2	50
620	10	SURG	O.R. procedures for obesity w CC	2.4563	3.59	1	50
621	10	SURG	O.R. procedures for obesity w/o CC/MCC	2.0666	2.19	1	50
622	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC	4.2415	12.5	3	50

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623	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w CC	1.6805	8.23	2	50
624	10	SURG	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC	1.6149	8.4	4	50
625	10	SURG	Thyroid, parathyroid & thyroglossal procedures w MCC	2.5353	11	3	50
626	10	SURG	Thyroid, parathyroid & thyroglossal procedures w CC	1.4315	3.04	1	50
627	10	SURG	Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC	1.0119	1.85	1	50
628	10	SURG	Other endocrine, nutrit & metab O.R. proc w MCC	3.1934	12.1	2	50
629	10	SURG	Other endocrine, nutrit & metab O.R. proc w CC	2.2209	9.9	2	50
630	10	SURG	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC	1.5686	5.78	1	50
637	10	MED	Diabetes w MCC	1.4783	6.47	1	50
638	10	MED	Diabetes w CC	0.8121	4.03	1	50
639	10	MED	Diabetes w/o CC/MCC	0.5824	2.88	1	50
640	10	MED	Nutritional & misc metabolic disorders w MCC	1.0619	4.99	1	50
640	10	MED	Nutritional & misc metabolic disorders w MCC	1.0364	6.27	1	50
641	10	MED	Nutritional & misc metabolic disorders w/o MCC	0.8306	3.94	1	50
641	10	MED	Nutritional & misc metabolic disorders w/o MCC	0.4764	3.11	1	50
642	10	MED	Inborn errors of metabolism	2.9586	10.2	2	50
642	10	MED	Inborn errors of metabolism	1.478	6.03	1	50
643	10	MED	Endocrine disorders w MCC	1.6293	8.05	1	50
644	10	MED	Endocrine disorders w CC	1.0649	5.61	1	50
645	10	MED	Endocrine disorders w/o CC/MCC	0.7146	3.19	1	50
652	11	SURG	Kidney transplant	6.7445	7.25	4	50
653	11	SURG	Major bladder procedures w MCC	4.5358	15.2	2	50
654	11	SURG	Major bladder procedures w CC	2.9227	10.2	1	50
655	11	SURG	Major bladder procedures w/o CC/MCC	2.0382	6.47	1	50
656	11	SURG	Kidney & ureter procedures for neoplasm w MCC	3.4122	9.45	1	50
657	11	SURG	Kidney & ureter procedures forneoplasm w CC	2.2187	6.97	2	50
658	11	SURG	Kidney & ureter procedures for neoplasm w/o CC/MCC	1.9117	4.45	1	50
659	11	SURG	Kidney & ureter procedures for non-neoplasm w MCC	4.576	14	2	50
660	11	SURG	Kidney & ureter procedures for non-neoplasm w CC	1.6824	5.44	1	50

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661	11	SURG	Kidney & ureter procedures for non-neoplasm w/o CC/MCC	1.207	2.74	1	50
662	11	SURG	Minor bladder procedures w MCC	2.938	11.8	7	50
663	11	SURG	Minor bladder procedures w CC	1.6692	6	1	50
664	11	SURG	Minor bladder procedures w/o CC/MCC	1.2096	3.04	1	50
665	11	SURG	Prostatectomy w MCC	3.751	14.9	1	50
666	11	SURG	Prostatectomy w CC	2.5759	7.67	1	50
667	11	SURG	Prostatectomy w/o CC/MCC	0.996	3.11	1	50
668	11	SURG	Transurethral procedures w MCC	2.0491	7.6	1	50
669	11	SURG	Transurethral procedures w CC	1.1014	3.57	1	50
670	11	SURG	Transurethral procedures w/o CC/MCC	1.0096	2.64	1	50
671	11	SURG	Urethral procedures w CC/MCC	2.0011	10.2	1	50
672	11	SURG	Urethral procedures w/o CC/MCC	1.4104	3.27	1	50
673	11	SURG	Other kidney & urinary tract procedures w MCC	3.2803	12.4	1	50
674	11	SURG	Other kidney & urinary tract procedures w CC	2.1817	8.48	1	50
675	11	SURG	Other kidney & urinary tract procedures w/o CC/MCC	1.6095	3.76	1	50
682	11	MED	Renal failure w MCC	1.4909	6.68	1	50
683	11	MED	Renal failure w CC	1.0697	5.08	1	50
684	11	MED	Renal failure w/o CC/MCC	0.7793	3.74	1	50
685	11	MED	Admit for renal dialysis	0.9371	3.4	1	50
686	11	MED	Kidney & urinary tract neoplasms w MCC	2.0593	8.25	2	50
687	11	MED	Kidney & urinary tract neoplasms w CC	1.1041	4.68	1	50
688	11	MED	Kidney & urinary tract neoplasms w/o CC/MCC	1.3215	5	1	50
689	11	MED	Kidney & urinary tract infections w MCC	1.094	5.66	1	50
690	11	MED	Kidney & urinary tract infections w/o MCC	0.6203	3.43	1	50
691	11	MED	Urinary stones w esw lithotripsy w CC/MCC	1.0603	4.67	2	50
692	11	MED	Urinary stones w esw lithotripsy w/o CC/MCC	0.924	2	1	50
693	11	MED	Urinary stones w/o esw lithotripsy w MCC	1.2176	4.41	1	50
694	11	MED	Urinary stones w/o esw lithotripsy w/o MCC	0.7538	2.68	1	50
695	11	MED	Kidney & urinary tract signs & symptoms w MCC	0.7322	3.38	1	50
696	11	MED	Kidney & urinary tract signs & symptoms w/o MCC	0.6861	3.24	1	50

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697	11	MED	Urethral stricture	1.3221	2.14	1	50
698	11	MED	Other kidney & urinary tract diagnoses w MCC	1.4811	7.05	1	50
699	11	MED	Other kidney & urinary tract diagnoses w CC	1.0001	4.86	1	50
700	11	MED	Other kidney & urinary tract diagnoses w/o CC/MCC	0.7594	3.6	1	50
707	12	SURG	Major male pelvic procedures w CC/MCC	2.2602	5.18	1	50
708	12	SURG	Major male pelvic procedures w/o CC/MCC	1.5411	2.92	1	50
709	12	SURG	Penis procedures w CC/MCC	1.7812	7.4	1	50
710	12	SURG	Penis procedures w/o CC/MCC	0.9991	2.6	1	50
711	12	SURG	Testes procedures w CC/MCC	1.8143	6.47	1	50
712	12	SURG	Testes procedures w/o CC/MCC	0.8474	2.26	1	50
713	12	SURG	Transurethral prostatectomy w CC/MCC	1.5885	6.88	1	50
714	12	SURG	Transurethral prostatectomy w/o CC/MCC	0.8622	1.79	1	50
715	12	SURG	Other male reproductive system O.R. proc for malignancy w CC/MCC	2.699	9.2	6	50
716	12	SURG	Other male reproductive system O.R. proc for malignancy w/o CC/MCC	1.6538	3.75	1	50
717	12	SURG	Other male reproductive system O.R. proc exc malignancy w CC/MCC	3.0488	12.9	5	50
718	12	SURG	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC	1.2029	4	2	50
722	12	MED	Malignancy, male reproductive system w MCC	2.5066	14.3	12	50
723	12	MED	Malignancy, male reproductive system w CC	1.9097	6.78	2	50
724	12	MED	Malignancy, male reproductive system w/o CC/MCC	1.055	3.88	1	50
725	12	MED	Benign prostatic hypertrophy w MCC	0.6852	1	1	50
726	12	MED	Benign prostatic hypertrophy w/o MCC	1.0622	7	1	50
727	12	MED	Inflammation of the male reproductive system w MCC	1.1015	5.14	1	50
727	12	MED	Inflammation of the male reproductive system w MCC	0.9515	3.67	2	50
728	12	MED	Inflammation of the male reproductive system w/o MCC	0.7794	4.03	1	50
728	12	MED	Inflammation of the male reproductive system w/o MCC	0.3913	2.68	1	50
729	12	MED	Other male reproductive system diagnoses w CC/MCC	1.1535	4.81	1	50
730	12	MED	Other male reproductive system diagnoses w/o CC/MCC	0.5641	2.96	1	50
734	13	SURG	Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC	2.0704	5.66	1	50

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735	13	SURG	Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC	1.4962	2.89	1	50
736	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC	5.0161	15.1	4	50
737	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w CC	2.0365	7.35	3	50
738	13	SURG	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC	1.3207	3.71	2	50
739	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w MCC	2.5318	8.5	2	50
740	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w CC	1.7332	4.91	1	50
741	13	SURG	Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC	1.0346	2.54	1	50
742	13	SURG	Uterine & adnexa proc for non-malignancy w CC/MCC	1.4679	3.93	1	50
743	13	SURG	Uterine & adnexa proc for non-malignancy w/o CC/MCC	1.0621	2.25	1	50
744	13	SURG	D&C, conization, laparoscopy & tubal interruption w CC/MCC	1.637	6.41	1	50
745	13	SURG	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC	1.1157	3	1	50
746	13	SURG	Vagina, cervix & vulva procedures w CC/MCC	1.2446	4.43	1	50
747	13	SURG	Vagina, cervix & vulva procedures w/o CC/MCC	0.8071	2.7	1	50
748	13	SURG	Female reproductive system reconstructive procedures	0.9609	1.94	1	50
749	13	SURG	Other female reproductive system O.R. procedures w CC/MCC	1.935	6.07	1	50
750	13	SURG	Other female reproductive system O.R. procedures w/o CC/MCC	0.9946	2.75	1	50
754	13	MED	Malignancy, female reproductive system w MCC	2.1878	8.05	1	50
755	13	MED	Malignancy, female reproductive system w CC	1.4352	6.26	1	50
756	13	MED	Malignancy, female reproductive system w/o CC/MCC	0.8981	3.55	1	50
757	13	MED	Infections, female reproductive system w MCC	1.3843	6.6	2	50
758	13	MED	Infections, female reproductive system w CC	0.8159	3.67	1	50
759	13	MED	Infections, female reproductive system w/o CC/MCC	0.6206	2.91	1	50
760	13	MED	Menstrual & other female reproductive system disorders w CC/MCC	0.8317	3.07	1	50
761	13	MED	Menstrual & other female reproductive system disorders w/o CC/MCC	0.7512	2.18	1	50
765	14	SURG	Cesarean section w CC/MCC	0.9814	4.56	2	50

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766	14	SURG	Cesarean section w/o CC/MCC	0.7649	3.35	2	50
767	14	SURG	Vaginal delivery w sterilization &/or D&C	0.8066	2.67	1	50
768	14	SURG	Vaginal delivery w O.R. proc except steril &/or D&C	0.9751	4.24	1	50
769	14	SURG	Postpartum & post abortion diagnoses w O.R. procedure	1.6118	4.63	1	50
770	14	SURG	Abortion w D&C, aspiration curettage or hysterotomy	0.8106	2.46	1	50
774	14	MED	Vaginal delivery w complicating diagnoses	0.6203	3.07	1	50
775	14	MED	Vaginal delivery w/o complicating diagnoses	0.4787	2.45	1	50
776	14	MED	Postpartum & post abortion diagnoses w/o O.R. procedure	0.6877	3.26	1	50
777	14	MED	Ectopic pregnancy	0.9842	2.37	1	50
778	14	MED	Threatened abortion	0.4735	3.87	1	50
779	14	MED	Abortion w/o D&C	0.5048	2.19	1	50
780	14	MED	False labor	0.2996	2.08	1	50
781	14	MED	Other antepartum diagnoses w medical complications	0.6091	3.87	1	50
782	14	MED	Other antepartum diagnoses w/o medical complications	0.544	4.07	1	50
789	15	MED	Neonates, died or transferred to another acute care facility	0.2562	1.78	1	50
789	15	MED	Neonates, died or transferred to another acute care facility	4.8679	15.7	1	51
790	15	MED	Extreme immaturity or respiratory distress syndrome, neonate	1.3744	10.2	1	50
790	15	MED	Extreme immaturity or respiratory distress syndrome, neonate	9.1653	39	6	73
791	15	MED	Prematurity w major problems	1.1154	9.41	2	50
791	15	MED	Prematurity w major problems	3.9591	21.7	4	53
792	15	MED	Prematurity w/o major problems	0.3982	4.54	1	50
792	15	MED	Prematurity w/o major problems	2.0805	13.2	3	50
793	15	MED	Full term neonate w major problems	0.5709	5.06	1	50
793	15	MED	Full term neonate w major problems	2.0495	10.6	2	50
794	15	MED	Neonate w other significant problems	0.2221	3.02	1	50
794	15	MED	Neonate w other significant problems	0.8865	5.41	2	50
795	15	MED	Normal newborn	0.1417	2.52	1	50
799	16	SURG	Splenectomy w MCC	3.809	10.3	3	50
800	16	SURG	Splenectomy w CC	2.4412	6.3	2	50

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801	16	SURG	Splenectomy w/o CC/MCC	1.6101	3.76	1	50
802	16	SURG	Other O.R. proc of the blood & blood forming organs w MCC	4.2517	15.6	3	52
803	16	SURG	Other O.R. proc of the blood & blood forming organs w CC	1.9979	8.8	2	50
804	16	SURG	Other O.R. proc of the blood & blood forming organs w/o CC/MCC	1.3853	4.96	1	50
808	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w MCC	2.3946	9.48	2	50
809	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w CC	1.3669	6.15	1	50
810	16	MED	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC	0.9252	3.95	1	50
811	16	MED	Red blood cell disorders w MCC	1.5532	8.27	2	50
811	16	MED	Red blood cell disorders w MCC	1.0695	6.17	2	50
812	16	MED	Red blood cell disorders w/o MCC	0.8103	4.84	1	50
812	16	MED	Red blood cell disorders w/o MCC	0.4383	3.59	1	50
813	16	MED	Coagulation disorders	1.5291	4.25	1	50
814	16	MED	Reticuloendothelial & immunity disorders w MCC	2.6757	11.1	1	50
815	16	MED	Reticuloendothelial & immunity disorders w CC	0.9311	4.6	1	50
816	16	MED	Reticuloendothelial & immunity disorders w/o CC/MCC	0.6654	3.55	1	50
820	17	SURG	Lymphoma & leukemia w major O.R. procedure w MCC	11.7179	28.8	2	61
821	17	SURG	Lymphoma & leukemia w major O.R. procedure w CC	4.2739	12.2	1	50
822	17	SURG	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC	1.587	4.59	1	50
823	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w MCC	5.5165	18.7	1	50
824	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w CC	2.9285	10.8	2	50
825	17	SURG	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC	1.9074	5.84	2	50
826	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC	8.5388	23.8	1	55
827	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC	3.3759	10.9	1	50
828	17	SURG	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC	2.1507	5.43	1	50
829	17	SURG	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC	2.6133	10.1	2	50

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830	17	SURG	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC	1.2437	3.77	2	50
834	17	MED	Acute leukemia w/o major O.R. procedure w MCC	8.2973	22.5	3	54
835	17	MED	Acute leukemia w/o major O.R. procedure w CC	4.1488	13.5	2	50
836	17	MED	Acute leukemia w/o major O.R. procedure w/o CC/MCC	2.0477	7.19	1	50
837	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC	5.685	20.6	5	51
837	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC	2.8987	10.8	3	50
838	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w CC	2.4165	9.18	3	50
838	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w CC	2.2839	12.3	1	50
839	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w/o CC/MCC	0.9908	5.58	2	50
839	17	MED	Chemo w acute leukemia as sdx or w high dose chemo agent w/o CC/MCC	0.8669	4.52	1	50
840	17	MED	Lymphoma & non-acute leukemia w MCC	3.7142	13.5	2	50
841	17	MED	Lymphoma & non-acute leukemia w CC	1.9033	7.47	1	50
842	17	MED	Lymphoma & non-acute leukemia w/o CC/MCC	1.3395	5.16	1	50
843	17	MED	Other myeloprolif dis or poorly diff neopl diag w MCC	2.663	11.9	1	50
844	17	MED	Other myeloprolif dis or poorly diff neopl diag w CC	1.5982	7.31	2	50
845	17	MED	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC	0.8817	4.62	1	50
846	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC	1.9668	8.23	2	50
847	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w CC	1.0318	4.28	1	50
848	17	MED	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC	0.8377	3.69	1	50
849	17	MED	Radiotherapy	0.8441	2.97	1	50
853	18	SURG	Infectious & parasitic diseases w O.R. procedure w MCC	6.0118	19.5	4	51
854	18	SURG	Infectious & parasitic diseases w O.R. procedure w CC	2.5836	11.3	2	50
855	18	SURG	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC	3.7893	14.1	1	50
856	18	SURG	Postoperative or post-traumatic infections w O.R. proc w MCC	4.1002	14.5	3	50

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857	18	SURG	Postoperative or post-traumatic infections w O.R. proc w CC	1.9225	8.45	2	50
858	18	SURG	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC	1.46	5.93	1	50
862	18	MED	Postoperative & post-traumatic infections w MCC	1.8857	8.62	2	50
863	18	MED	Postoperative & post-traumatic infections w/o MCC	0.9396	4.74	1	50
864	18	MED	Fever of unknown origin	0.9983	4.67	1	50
864	18	MED	Fever of unknown origin	0.4369	2.73	1	50
865	18	MED	Viral illness w MCC	1.4056	6	1	50
865	18	MED	Viral illness w MCC	0.8511	5.06	2	50
866	18	MED	Viral illness w/o MCC	0.7172	3.42	1	50
866	18	MED	Viral illness w/o MCC	0.4363	2.68	1	50
867	18	MED	Other infectious & parasitic diseases diagnoses w MCC	2.6167	10.9	1	50
868	18	MED	Other infectious & parasitic diseases diagnoses w CC	1.1944	5.75	1	50
869	18	MED	Other infectious & parasitic diseases diagnoses w/o CC/MCC	0.7724	4.46	1	50
870	18	MED	Septicemia w MV 96+ hours	5.9491	16.8	5	50
871	18	MED	Septicemia w/o MV 96+ hours w MCC	1.9971	8.34	1	50
872	18	MED	Septicemia w/o MV 96+ hours w/o MCC	1.1149	5.56	1	50
876	19	SURG	O.R. procedure w principal diagnoses of mental illness	1.5116	7.38	1	50
880	19	MED	Acute adjustment reaction & psychosocial dysfunction	0.7895	3.35	1	50
881	19	MED	Depressive neuroses	0.5717	3.11	1	50
882	19	MED	Neuroses except depressive	0.7797	4.1	1	50
883	19	MED	Disorders of personality & impulse control	1.7461	9.85	1	50
884	19	MED	Organic disturbances & mental retardation	0.8458	4.36	1	50
885	19	MED	Psychoses	0.6841	6.43	1	50
886	19	MED	Behavioral & developmental disorders	0.405	2.4	2	50
887	19	MED	Other mental disorder diagnoses	0.3978	2.43	1	50
894	20	MED	Alcohol/drug abuse or dependence, left ama	0.466	2.31	1	50
895	20	MED	Alcohol/drug abuse or dependence w rehabilitation therapy	0.7546	8.05	2	50
896	20	MED	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC	1.6597	7.89	1	50

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897	20	MED	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC	0.7243	4.27	1	50
901	21	SURG	Wound debridements for injuries w MCC	5.9563	22.2	4	53
902	21	SURG	Wound debridements for injuries w CC	2.5895	12	2	50
903	21	SURG	Wound debridements for injuries w/o CC/MCC	1.5333	5.83	1	50
904	21	SURG	Skin grafts for injuries w CC/MCC	5.4654	20.3	2	53
905	21	SURG	Skin grafts for injuries w/o CC/MCC	1.9228	7.65	2	50
906	21	SURG	Hand procedures for injuries	1.046	2.7	1	50
907	21	SURG	Other O.R. procedures for injuries w MCC	4.1745	12.4	1	50
908	21	SURG	Other O.R. procedures for injuries w CC	1.9357	6.67	1	50
909	21	SURG	Other O.R. procedures for injuries w/o CC/MCC	1.186	3.23	1	50
913	21	MED	Traumatic injury w MCC	1.2433	6.35	1	50
914	21	MED	Traumatic injury w/o MCC	0.6518	2.65	1	50
915	21	MED	Allergic reactions w MCC	1.7615	6.42	2	50
915	21	MED	Allergic reactions w MCC	0.4319	1.5	1	50
916	21	MED	Allergic reactions w/o MCC	0.5199	2.48	1	50
916	21	MED	Allergic reactions w/o MCC	0.3366	1.97	1	50
917	21	MED	Poisoning & toxic effects of drugs w MCC	1.5174	5.03	1	50
917	21	MED	Poisoning & toxic effects of drugs w MCC	0.8724	3	1	50
918	21	MED	Poisoning & toxic effects of drugs w/o MCC	0.5825	2.66	1	50
918	21	MED	Poisoning & toxic effects of drugs w/o MCC	0.4468	2.19	1	50
919	21	MED	Complications of treatment w MCC	1.6982	7.49	1	50
919	21	MED	Complications of treatment w MCC	1.0538	5.14	1	50
920	21	MED	Complications of treatment w CC	1.1069	5.41	1	50
920	21	MED	Complications of treatment w CC	0.845	4.06	1	50
921	21	MED	Complications of treatment w/o CC/MCC	0.7493	3.49	1	50
921	21	MED	Complications of treatment w/o CC/MCC	0.4157	2.1	1	50
922	21	MED	Other injury, poisoning & toxic effect diag w MCC	1.4356	6.46	1	50
923	21	MED	Other injury, poisoning & toxic effect diag w/o MCC	0.8008	4.3	1	50
927	22	SURG	Extensive burns or full thickness burns w MV 96+ hrs w skin graft	12.9134	27.2	9	50

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928	22	SURG	Full thickness burn w skin graft or inhal inj w CC/MCC	5.0657	17.5	2	50
929	22	SURG	Full thickness burn w skin graft or inhal inj w/o CC/MCC	2.7036	9.43	1	50
933	22	MED	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft	5.2919	11.9	1	50
934	22	MED	Full thickness burn w/o skin grft or inhal inj	1.5343	6.46	1	50
935	22	MED	Non-extensive burns	0.863	3.89	1	50
939	23	SURG	O.R. proc w diagnoses of other contact w health services w MCC	4.3446	15.4	1	50
940	23	SURG	O.R. proc w diagnoses of other contact w health services w CC	1.9219	9.04	1	50
941	23	SURG	O.R. proc w diagnoses of other contact w health services w/o CC/MCC	1.1161	3.23	1	50
945	23	MED	Rehabilitation w CC/MCC	1.9481	13.1	3	50
946	23	MED	Rehabilitation w/o CC/MCC	1.3369	9.56	2	50
947	23	MED	Signs & symptoms w MCC	1.1735	5.53	1	50
948	23	MED	Signs & symptoms w/o MCC	0.7421	3.85	1	50
949	23	MED	Aftercare w CC/MCC	1.2267	4.93	1	50
950	23	MED	Aftercare w/o CC/MCC	0.3638	2.89	1	50
951	23	MED	Other factors influencing health status	0.355	2.3	1	50
955	24	SURG	Craniotomy for multiple significant trauma	7.1312	18.6	3	50
956	24	SURG	Limb reattachment, hip & femur proc for multiple significant trauma	5.6499	13.4	1	50
957	24	SURG	Other O.R. procedures for multiple significant trauma w MCC	7.3088	16.8	1	50
958	24	SURG	Other O.R. procedures for multiple significant trauma w CC	4.1447	9.94	3	50
959	24	SURG	Other O.R. procedures for multiple significant trauma w/o CC/MCC	2.2791	5.73	1	50
963	24	MED	Other multiple significant trauma w MCC	3.8565	11.3	1	50
964	24	MED	Other multiple significant trauma w CC	1.5071	4.96	1	50
965	24	MED	Other multiple significant trauma w/o CC/MCC	1.1289	3.51	1	50
969	25	SURG	HIV w extensive O.R. procedure w MCC	5.0344	17.6	2	50
970	25	SURG	HIV w extensive O.R. procedure w/o MCC	2.4861	7.9	3	50
974	25	MED	HIV w major related condition w MCC	2.4861	11.7	1	50
975	25	MED	HIV w major related condition w CC	1.4052	7.58	1	50

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976	25	MED	HIV w major related condition w/o CC/MCC	0.8361	4.82	1	50
977	25	MED	HIV w or w/o other related condition	1.1936	6.15	1	50
981		SURG	Extensive O.R. procedure unrelated to principal diagnosis w MCC	5.5487	17.5	2	50
982		SURG	Extensive O.R. procedure unrelated to principal diagnosis w CC	2.7937	9.43	2	50
983		SURG	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC	1.7003	5.09	1	50
984		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w MCC	2.7893	15.1	1	50
985		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w CC	2.1383	10	1	50
986		SURG	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC	0.9737	2	2	50
987		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w MCC	3.1591	13	2	50
988		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w CC	1.9703	8.84	2	50
989		SURG	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC	1.2385	4.72	1	50
998			Principal diagnosis invalid as discharge diagnosis	0	0	0	0
999			Ungroupable	0	0	0	0

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d. The adjusted cost for each episode is calculated by multiplying the adjusted charges for the episode by the inpatient operating cost to charge ratio.

   1) Each hospital's Title XIX operating cost to total charge ratio is obtained from the hospital's filed cost reports for the fiscal year ending in the second year of the base period. If the cost to charge ratio is greater than 1.0, then 1.0 is used.
   2) If two or more hospitals merge, and are operating as a single hospital, a cost to charge ratio for the period is computed using the combined cost report data from all hospitals involved in the merger. Cost and charge data will be inflated to a common point in time.

e. The average cost for episodes within each DRG is calculated by dividing the sum of the costs for the episodes by the number of episodes within the DRG.

f. The relative weight for each DRG is calculated by dividing the average cost for episodes within each DRG by the average cost per episode for all episodes. A table showing the relative weights, average lengths of stay, and outlier thresholds for each DRG is included in Appendix A.

g. Bring all charges for discharges to the applicable time period through application of inflation and weighting factors.

Data for current wage adjustors are taken from hospital cost reporting periods ending between September 1, 2006 and August 31, 2008 for the base, and September 1, ~~2008~~ **2009** through August 31, ~~2010~~ **2011** for the update period. Each hospital's wage costs are adjusted for different fiscal year end dates by multiplying the hospital's wage costs by inflation and weighting factors. All wages are brought to a common point in time. Filed wage data is used for hospitals where audited data is not available. The following adjustment factors derived from the Global Insight PPS-Type Hospital Market Basket Index, employee cost component relative to the period, are used:

Fiscal Year Ending	Wage Inflation Factors	Base Weighting Factors	Update Weighting Factors
9/30/06	~~1.1681~~ 1.2114	0.40	
12/31/06	~~1.1588~~ 1.2017	0.40	
3/31/07	~~1.1489~~ 1.1915	0.40	
6/30/07	~~1.1443~~ 1.1762	0.40	
9/30/07	~~1.1341~~ 1.1762	0.60	
12/31/07	~~1.1228~~ 1.1644	0.60	
3/31/08	~~1.1038~~ 1.1448	0.60	
6/30/08	~~1.0966~~	0.60	

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Fiscal Year Ending	Wage Inflation Factors	Base Weighting Factors	Update Weighting Factors
	1.1372		
~~9/30/08~~ 9/30/09	~~1.0849~~ 1.0796		0.40
~~12/31/08~~ 12/31/09	~~1.0734~~ 1.0686		0.40
~~3/31/09~~ 3/31/10	~~1.0583~~ 1.0550		0.40
~~6/30/09~~ 6/30/10	~~1.0512~~ 1.0473		0.40
~~9/30/09~~ 9/30/10	~~1.0410~~ 1.0366		0.60
~~12/31/09~~ 12/31/10	~~1.0306~~ 1.0263		0.60
~~3/31/10~~ 3/31/11	~~1.0175~~ 1.0142		0.60
~~6/30/10~~ 6/30/11	~~1.0102~~ 1.0091		0.60
~~8/31/10~~ 8/31/11	1.0000		0.60

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Rates will be adjusted by an inflation factor of ~~1.120~~ 1.075 for the period from August 31, 2009 to ~~December 31, 2012~~ DECEMBER 31, 2013.

5. Determine the DRG base price by:

   a. Calculate each hospital's limited base price. This is the lesser of the hospital specific base price or the mean of all base prices, plus one standard deviation.

   b. Calculate the statewide operating cost limitation. This is a truncated, weighted mean of all hospitals' limited base prices divided by base period discharges.

   c. The lesser of the truncated mean or the hospital specific base price then becomes the DRG base price (before the cost adjustor and incentives are added) for each hospital.

6. Calculate any incentive. For hospitals with base DRG prices below the operating limit (truncated mean), the hospital's base DRG price is increased by adding 10% of the difference between the hospital specific base price and the limit.

   Adjust each hospital's DRG base price, plus any incentive, by the updated cost adjustor. The updated cost adjustor is calculated, to reflect the most current data available, in the same manner as the base cost adjustor, except that:

   1. Wage data is collected using the source described within State policy for the rate-setting period.

   2. The wage and benefit inflation factors are derived from the employee cost component of the Global Insight PPS – Type Hospital Market Basket Index relative to the period.

   3. In the event that changes in federal regulations result in incompatible data between the base and update periods, adjustments are made either to the base or the update period to render the data comparable.

   4. A budget neutrality factor is included in the hospital price calculation. Hospital prices are 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 is based on one year's paid claims, including MHP encounter data with FFS rates applied. The calculated DRG prices are deflated by the percentage necessary for the total payments to equate to the amount currently paid. Budget neutrality for CAHS is determined as a group, independent of Non-CAHS.

   5. For payment purposes, a single cost to charge ratio is published on the MDCH website. The single cost to charge ratio is used for calculating payments paid a percent of charge, cost outliers, and low-day outliers. The ratio is calculated from the averages of FFS and MHP ratios, net of IME.

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1) Multiply the cost per day by the applicable inflation factor. Each hospital's costs are inflated to a common point in time. Inflation factors were obtained from the Global Insight PPS-Type Hospital Market Basket Index relative to the period.

Fiscal Year Ending	Cost Inflation Factors	Weighting Factors
9/30/08	1.0555	0.40
12/31/08	1.0462	0.40
3/31/09	1.0421	0.40
6/30/09	1.0412	0.40
9/30/09	1.0413	0.60
12/31/09	1.0337	0.60
3/31/10	1.0220	0.60
6/30/10	1.0103	0.60
8/31/10	1.0000	0.60

Rates will be adjusted by an inflation factor of ~~1.076~~ 1.075 for the period from August 31, 2010 to ~~December 31, 2012~~ DECEMBER 31, 2013.

The inflation update for the quarter in which the hospital's fiscal year ends is used.

2) Recognize area cost differences by dividing the cost per day for each hospital by an area cost adjustor factor. Hospitals are grouped by U.S. Census Core Based Statistical Area (CBSAs) as determined by the Centers for Medicare and Medicaid Services for the Medicare program for wage data. Each area cost adjustor is calculated as follows:

COST ADJUSTOR= 0.71066 X WAGE ADJUSTOR + 0.28934

The cost adjuster formula reflects Medicare estimate of labor-related costs as a portion of total hospital costs as published in the Federal Register.

3) Each area wage factor is area wage per full-time equivalent (F.T.E.) divided by the statewide average hospital wage per F.T.E. Contract labor costs are included in determining a hospital's wage costs.