



# **Patient Safety Indicators (PSI) Risk Adjustment Coefficients for the PSI Version 4.3**

**Prepared for:**

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Version 4.3a is a maintenance release of Version 4.3. The differences between the two versions are:

- Version 4.3a includes Version 29 of the Limited License edition of the 3M™ APR-DRG Grouper. This grouper corrects an issue found in Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper. The grouper is only used with the Inpatient Quality Indicator (IQI) mortality measures. Version 4.3 includes Version 28 of the Limited License edition of the 3M™ APR-DRG Grouper, which was incorrectly assigning a Risk of Mortality (ROM) subclass for cases dated on or after 10/1/10.
- Version 4.3a allows users to calculate area-level indicators for years 2010 and 2011, correcting an issue previously identified in Version 4.3.

All other aspects of the software, including measure specifications, remain the same. Thus this document (related to Version 4.3) remains unchanged.

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## **Executive Summary**

This document provides the risk adjustment covariates and coefficients for relevant Agency for Healthcare Research and Quality (AHRQ) Quality Indicators (QI) Patient Safety Indicators (PSI). Descriptions of the categories are provided in the Appendix tables at the end of the document. Certain AHRQ QIs (such as PSI 18- Obstetric Trauma – Vaginal Delivery with Instrument and PSI 19- Obstetric Trauma – Vaginal Delivery without Instrument) are not risk adjusted because materially important risk factors are not available in the Healthcare Cost and Utilization Project (HCUP) State Inpatient Database (SID).

Additional information on the AHRQ QI risk adjustment process can be found in the [AHRQ QI Empirical Methods Report](#).

**Table 1. Risk Adjustment Coefficients for PSI #02 – Death in Low-Mortality Diagnosis-Related Groups (DRGs)**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-7.8068	0.1039	5641.16	0.0000
Sex	Female	1	-0.4134	0.0477	75.21	0.0000
Age	18 to 24	1	-1.2257	0.1343	83.35	0.0000
Age	25 to 29	1	-1.2145	0.1401	75.10	0.0000
Age	30 to 59	1	-0.5085	0.1020	24.86	0.0000
Age	65 to 69	1	0.5181	0.1331	15.15	0.0001
Age	70 to 74	1	0.7278	0.1303	31.17	0.0000
Age	75 to 79	1	1.1627	0.1220	90.80	0.0000
Age	80 to 84	1	1.6511	0.1144	208.42	0.0000
Age	85+	1	2.1244	0.1078	388.49	0.0000
MDRG	413	1	0.7197	0.1025	49.33	0.0000
MDRG	533	1	0.9064	0.0680	177.60	0.0000
MDRG	1915	1	0.6540	0.0721	82.22	0.0000
MDRG	2019	1	1.7321	0.0803	465.02	0.0000
MDC	19	1	0.7490	0.1280	34.24	0.0000
TRANSFER	Transfer-in	1	0.8247	0.0859	92.21	0.0000
NOPRDAY	Procedure Days Data Not Available	1	-1.0260	0.0488	441.27	0.0000
COMORB	CHF	1	1.3875	0.0851	265.82	0.0000
COMORB	NEURO	1	0.5541	0.0660	70.58	0.0000
COMORB	CHRNLUNG	1	0.4739	0.0559	71.94	0.0000
COMORB	HYPOTHY	1	-0.2976	0.0849	12.28	0.0005
COMORB	RENLFAIL	1	0.4234	0.0770	30.23	0.0000
COMORB	OBESE	1	0.2062	0.0972	4.50	0.0339
COMORB	ANEMDEF	1	0.1924	0.0720	7.15	0.0075

c-statistic 0.839

**Table 2. Risk Adjustment Coefficients for PSI #03 – Pressure Ulcer Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-7.2243	0.1501	2315.58	0.0000
Age	18 to 24	1	-1.0944	0.0673	264.38	0.0000
Age	25 to 29	1	-1.0352	0.0738	196.49	0.0000
Age	30 to 34	1	-1.1960	0.0761	246.83	0.0000
Age	35 to 39	1	-1.0272	0.0635	261.99	0.0000
Age	40 to 44	1	-0.7939	0.0522	231.08	0.0000
Age	45 to 49	1	-0.5872	0.0427	188.96	0.0000
Age	50 to 54	1	-0.4456	0.0397	125.86	0.0000
Age	55 to 59	1	-0.2167	0.0351	38.08	0.0000
Age	65 to 74	1	0.1130	0.0276	16.83	0.0000
Age	75 to 79	1	0.2446	0.0303	65.09	0.0000
Age	80 to 84	1	0.3328	0.0304	120.15	0.0000
Age	85+	1	0.3689	0.0278	176.70	0.0000
MDRG	102	1	3.5772	0.1990	323.26	0.0000
MDRG	103	1	2.5785	0.1722	224.22	0.0000
MDRG	111	1	2.4952	0.1889	174.52	0.0000
MDRG	114	1	2.5756	0.1641	246.48	0.0000
MDRG	117	1	3.3709	0.1943	301.01	0.0000
MDRG	128	1	2.4867	0.2015	152.36	0.0000
MDRG	401	1	2.4050	0.1750	188.83	0.0000
MDRG	402	1	2.8436	0.1651	296.65	0.0000
MDRG	403	1	1.9097	0.2059	86.01	0.0000
MDRG	404	1	3.3330	0.1539	469.06	0.0000
MDRG	405	1	2.5994	0.1759	218.43	0.0000
MDRG	407	1	2.7495	0.2164	161.45	0.0000
MDRG	408	1	3.0922	0.1619	364.64	0.0000
MDRG	409	1	1.6768	0.1720	95.08	0.0000
MDRG	410	1	2.3800	0.1566	230.93	0.0000

**Patient Safety Indicators (PSI)  
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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	416	1	3.5276	0.1526	534.50	0.0000
MDRG	503	1	2.7398	0.1595	295.20	0.0000
MDRG	504	1	1.9598	0.2010	95.08	0.0000
MDRG	507	1	1.9274	0.1693	129.68	0.0000
MDRG	508	1	2.7321	0.1696	259.36	0.0000
MDRG	509	1	4.2494	0.1567	735.00	0.0000
MDRG	510	1	1.9584	0.1965	99.38	0.0000
MDRG	514	1	2.9565	0.1637	326.23	0.0000
MDRG	519	1	3.3564	0.1841	332.24	0.0000
MDRG	520	1	2.5581	0.1602	254.92	0.0000
MDRG	521	1	3.3054	0.1997	274.05	0.0000
MDRG	524	1	2.5892	0.1530	286.37	0.0000
MDRG	527	1	2.6201	0.1789	214.46	0.0000
MDRG	531	1	1.9960	0.1864	114.67	0.0000
MDRG	535	1	3.2476	0.1631	396.62	0.0000
MDRG	601	1	2.7734	0.1639	286.31	0.0000
MDRG	602	1	2.4691	0.1529	260.64	0.0000
MDRG	604	1	1.9340	0.1925	100.99	0.0000
MDRG	611	1	2.5146	0.2054	149.88	0.0000
MDRG	613	1	2.9325	0.1660	311.93	0.0000
MDRG	614	1	2.0647	0.1997	106.89	0.0000
MDRG	615	1	2.1308	0.1698	157.44	0.0000
MDRG	619	1	2.3181	0.1772	171.11	0.0000
MDRG	621	1	2.4594	0.1838	179.06	0.0000
MDRG	701	1	2.3667	0.2015	138.01	0.0000
MDRG	708	1	2.3543	0.1862	159.79	0.0000
MDRG	709	1	2.2510	0.1945	134.00	0.0000
MDRG	711	1	2.6563	0.1906	194.31	0.0000
MDRG	805	1	3.9762	0.1923	427.42	0.0000

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	806	1	2.7760	0.1937	205.44	0.0000
MDRG	807	1	2.7525	0.1534	321.85	0.0000
MDRG	809	1	4.1533	0.1934	461.15	0.0000
MDRG	811	1	3.2437	0.1529	450.00	0.0000
MDRG	816	1	2.3399	0.1918	148.76	0.0000
MDRG	828	1	3.0793	0.2002	236.68	0.0000
MDRG	830	1	4.2401	0.1815	545.73	0.0000
MDRG	831	1	2.9048	0.1920	228.94	0.0000
MDRG	834	1	2.3393	0.1893	152.71	0.0000
MDRG	1006	1	3.5586	0.2041	304.09	0.0000
MDRG	1007	1	2.9359	0.1742	283.93	0.0000
MDRG	1008	1	3.2783	0.1520	464.94	0.0000
MDRG	1103	1	2.0618	0.2125	94.15	0.0000
MDRG	1104	1	2.5416	0.2071	150.67	0.0000
MDRG	1109	1	2.9544	0.1809	266.78	0.0000
MDRG	1110	1	3.0163	0.1549	379.11	0.0000
MDRG	1113	1	3.1709	0.1567	409.45	0.0000
MDRG	1118	1	3.2164	0.1813	314.80	0.0000
MDRG	1603	1	2.4706	0.2060	143.86	0.0000
MDRG	1604	1	1.9099	0.1906	100.46	0.0000
MDRG	1711	1	2.9083	0.2088	194.02	0.0000
MDRG	1713	1	2.8352	0.1844	236.33	0.0000
MDRG	1801	1	4.1441	0.1533	730.80	0.0000
MDRG	1802	1	3.0812	0.1941	251.90	0.0000
MDRG	1803	1	2.3864	0.2124	126.20	0.0000
MDRG	1806	1	3.4248	0.2062	275.76	0.0000
MDRG	1807	1	4.2286	0.1550	743.95	0.0000
MDRG	1808	1	3.7404	0.1495	625.95	0.0000
MDRG	2104	1	2.4556	0.2037	145.25	0.0000

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	2108	1	2.7564	0.2071	177.13	0.0000
MDRG	2302	1	3.9897	0.1543	668.86	0.0000
MDRG	2303	1	2.9022	0.2082	194.36	0.0000
MDRG	2407	1	3.7438	0.1825	420.60	0.0000
MDRG	2408	1	3.4710	0.1716	409.34	0.0000
MDRG	2502	1	3.5009	0.1681	433.65	0.0000
MDC	1	1	3.3239	0.1536	468.06	0.0000
MDC	3	1	2.5590	0.1810	199.87	0.0000
MDC	4	1	3.5403	0.1525	539.27	0.0000
MDC	5	1	2.6098	0.1520	294.68	0.0000
MDC	6	1	2.2451	0.1544	211.45	0.0000
MDC	7	1	2.1836	0.1557	196.72	0.0000
MDC	8	1	2.8290	0.1530	341.68	0.0000
MDC	10	1	3.1501	0.1698	344.37	0.0000
MDC	11	1	2.7422	0.1629	283.42	0.0000
MDC	13	1	1.9659	0.1880	109.37	0.0000
MDC	16	1	2.6649	0.1979	181.38	0.0000
MDC	17	1	2.2358	0.1720	169.03	0.0000
MDC	18	1	4.2938	0.1593	727.00	0.0000
MDC	21	1	2.9266	0.1768	274.16	0.0000
MDC	23	1	3.1031	0.2309	180.63	0.0000
MDC	24	1	2.6337	0.2231	139.32	0.0000
MDC	25	1	4.0164	0.1906	443.87	0.0000
MDC	OTHER	1	1.3306	0.1755	57.51	0.0000
NOPOUB04	UB-04 Point-of-Origin Data Not Available	1	-0.1530	0.0213	51.83	0.0000
NOPRDAY	Procedure Days Data Not Available	1	-0.5562	0.0202	757.58	0.0000
COMORB	HTN_C	1	-0.8982	0.0161	3121.48	0.0000
COMORB	NEURO	1	-0.0972	0.0289	11.31	0.0008
COMORB	CHRN LUNG	1	-0.3536	0.0188	354.96	0.0000



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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
COMORB	DM	1	-0.3660	0.0223	270.35	0.0000
COMORB	DMCX	1	0.0637	0.0304	4.39	0.0362
COMORB	HYPOTHY	1	-0.5865	0.0298	388.61	0.0000
COMORB	RENLFAIL	1	0.5103	0.0193	696.84	0.0000
COMORB	AIDS	1	0.5404	0.1163	21.58	0.0000
COMORB	TUMOR	1	-0.3857	0.0474	66.30	0.0000
COMORB	WGHTLOSS	1	0.9000	0.0270	1112.99	0.0000
COMORB	ANEMDEF	1	-0.4130	0.0208	395.35	0.0000
COMORB	DRUG	1	-0.1580	0.0546	8.38	0.0038
COMORB	PSYCH	1	-0.2739	0.0460	35.49	0.0000
COMORB	DEPRESS	1	-0.5071	0.0324	244.96	0.0000

c-statistic 0.585

**Table 3. Risk Adjustment Coefficients for PSI #04 – Death Rate Among Surgical Inpatients With Serious Treatable Complications**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-3.1232	0.0471	4397.66	0.0000
Age	18 to 24	1	-0.8744	0.0730	143.56	0.0000
Age	25 to 29	1	-0.6275	0.0697	80.95	0.0000
Age	30 to 34	1	-0.6582	0.0674	95.42	0.0000
Age	35 to 39	1	-0.4901	0.0574	72.91	0.0000
Age	40 to 44	1	-0.4879	0.0466	109.39	0.0000
Age	45 to 49	1	-0.3849	0.0376	104.78	0.0000
Age	50 to 59	1	-0.2138	0.0288	55.08	0.0000
Age	65 to 69	1	0.1248	0.0297	17.68	0.0000
Age	70 to 74	1	0.2572	0.0287	80.35	0.0000
Age	75 to 79	1	0.4532	0.0300	228.30	0.0000
Age	80 to 84	1	0.6470	0.0291	495.64	0.0000
Age	85+	1	0.8109	0.0322	633.60	0.0000
MDRG	101	1	2.1262	0.0879	585.29	0.0000
MDRG	102	1	2.8598	0.0636	2022.37	0.0000
MDRG	103	1	1.6891	0.0563	901.09	0.0000
MDRG	107	1	0.5784	0.1018	32.27	0.0000
MDRG	401	1	1.6467	0.0657	629.04	0.0000
MDRG	402	1	1.3903	0.0763	331.87	0.0000
MDRG	502	1	0.5056	0.0674	56.23	0.0000
MDRG	503	1	1.0652	0.0628	287.70	0.0000
MDRG	505	1	1.1156	0.1372	66.08	0.0000
MDRG	507	1	0.6024	0.0613	96.72	0.0000
MDRG	508	1	1.6060	0.0501	1027.25	0.0000
MDRG	509	1	0.7112	0.0899	62.59	0.0000
MDRG	514	1	0.2225	0.0604	13.57	0.0002
MDRG	519	1	0.3156	0.1032	9.36	0.0022

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	601	1	1.5169	0.0528	825.61	0.0000
MDRG	602	1	1.4615	0.0432	1145.13	0.0000
MDRG	603	1	0.8240	0.1048	61.83	0.0000
MDRG	604	1	0.9251	0.0714	168.01	0.0000
MDRG	610	1	0.7919	0.0923	73.64	0.0000
MDRG	611	1	1.8176	0.0767	561.64	0.0000
MDRG	701	1	1.4750	0.0687	461.17	0.0000
MDRG	704	1	0.8470	0.0966	76.86	0.0000
MDRG	705	1	0.5488	0.0772	50.48	0.0000
MDRG	805	1	1.0664	0.1054	102.32	0.0000
MDRG	811	1	0.4845	0.0560	74.91	0.0000
MDRG	901	1	0.8058	0.0930	75.14	0.0000
MDRG	1102	1	0.8591	0.1047	67.37	0.0000
MDRG	1103	1	0.7193	0.0894	64.75	0.0000
MDRG	1104	1	0.5631	0.0923	37.18	0.0000
MDRG	1109	1	0.7583	0.1036	53.58	0.0000
MDRG	1401	1	0.3651	0.1172	9.70	0.0018
MDRG	1707	1	1.6598	0.1004	273.48	0.0000
MDRG	1708	1	1.3710	0.1094	157.20	0.0000
MDRG	1709	1	1.6849	0.1395	145.93	0.0000
MDRG	1801	1	2.1638	0.0448	2336.29	0.0000
MDRG	1802	1	0.9994	0.0869	132.25	0.0000
MDRG	2104	1	0.9353	0.0729	164.55	0.0000
MDRG	2406	1	2.8326	0.1198	558.99	0.0000
MDRG	2407	1	0.7045	0.1379	26.10	0.0000
MDRG	2408	1	1.3170	0.0994	175.57	0.0000
MDC	1	1	1.1627	0.0627	343.89	0.0000
MDC	3	1	0.4706	0.1017	21.42	0.0000
MDC	4	1	1.9381	0.0697	772.75	0.0000

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC	5	1	0.7756	0.0508	232.75	0.0000
MDC	6	1	1.3179	0.0548	577.84	0.0000
MDC	7	1	1.8652	0.0712	687.18	0.0000
MDC	8	1	0.3567	0.0481	55.00	0.0000
MDC	9	1	0.7707	0.0875	77.56	0.0000
MDC	10	1	0.8615	0.0689	156.25	0.0000
MDC	11	1	0.8983	0.0738	148.12	0.0000
MDC	12	1	0.4251	0.1006	17.85	0.0000
MDC	13	1	0.2943	0.0655	20.17	0.0000
MDC	14	1	1.0415	0.1597	42.52	0.0000
MDC	16	1	0.9142	0.1134	65.02	0.0000
MDC	17	1	1.8517	0.1471	158.47	0.0000
MDC	18	1	1.9186	0.0881	474.45	0.0000
MDC	21	1	1.0142	0.1077	88.63	0.0000
MDC	Other	1	0.9951	0.1117	79.42	0.0000
TRANSFER	Transfer-in	1	0.2268	0.0315	51.92	0.0000
COMORB	CHF	1	0.4232	0.0251	284.40	0.0000
COMORB	PULMCIRC	1	0.2807	0.0560	25.17	0.0000
COMORB	PERIVASC	1	0.1338	0.0260	26.38	0.0000
COMORB	HTN_C	1	-0.4117	0.0175	552.10	0.0000
COMORB	PARA	1	-0.1024	0.0480	4.54	0.0330
COMORB	DMCX	1	-0.1253	0.0403	9.68	0.0019
COMORB	HYPOTHY	1	-0.2145	0.0310	47.94	0.0000
COMORB	RENLFAIL	1	0.5056	0.0211	574.92	0.0000
COMORB	LIVER	1	0.8489	0.0369	528.23	0.0000
COMORB	METS	1	0.4265	0.0294	210.81	0.0000
COMORB	WGHTLOSS	1	0.2583	0.0332	60.38	0.0000
COMORB	BLDLOSS	1	-0.5000	0.0622	64.67	0.0000
COMORB	ANEMDEF	1	-0.3446	0.0252	186.95	0.0000

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
COMORB	DRUG	1	0.1142	0.0548	4.34	0.0372
COMORB	PSYCH	1	-0.4103	0.0612	44.96	0.0000
COMORB	DEPRESS	1	-0.4936	0.0378	170.41	0.0000

c-statistic 0.737

**Table 4. Risk Adjustment Coefficients for PSI #06 – Iatrogenic Pneumothorax Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-8.1319	0.0457	31660.02	0.0000
Sex	Female	1	0.3701	0.0369	100.42	0.0000
Age	65 to 85+	1	0.2303	0.0378	37.20	0.0000
MDRG	416	1	1.9844	0.0787	635.30	0.0000
MDRG	504	1	2.9764	0.0801	1380.60	0.0000
MDRG	510	1	3.4215	0.0529	4175.95	0.0000
MDRG	601	1	2.6266	0.0973	729.18	0.0000
MDRG	602	1	1.2474	0.0904	190.46	0.0000
MDRG	1103	1	3.0277	0.1025	872.08	0.0000
MDRG	1801	1	1.5946	0.1528	108.85	0.0000
MDRG	1807	1	2.3985	0.1347	317.23	0.0000
MDC	1	1	0.6786	0.0628	116.75	0.0000
MDC	6	1	-0.2078	0.0761	7.46	0.0063
MDC	8	1	-0.5001	0.0812	37.90	0.0000
MDC	25	1	1.0389	0.2252	21.28	0.0000
NOPRDAY	Procedure Days Data Not Available	1	-1.1908	0.0485	602.18	0.0000
COMORB	HTN_C	1	-0.3698	0.0386	91.67	0.0000
COMORB	NEURO	1	0.3264	0.0606	28.97	0.0000
COMORB	CHRN LUNG	1	0.3821	0.0404	89.32	0.0000
COMORB	DM	1	-0.4099	0.0516	62.99	0.0000
COMORB	DMCX	1	-0.6287	0.1272	24.42	0.0000
COMORB	METS	1	0.2605	0.1050	6.16	0.0131
COMORB	OBESE	1	-0.6217	0.0961	41.86	0.0000
COMORB	WGHTLOSS	1	1.0816	0.0703	236.76	0.0000
COMORB	DRUG	1	0.0810	0.1141	0.50	0.4778

c-statistic 0.803

**Table 5. Risk Adjustment Coefficients for PSI #07 – Central Venous Catheter-Related Blood Stream Infections Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-9.5419	0.0846	12718.15	0.0000
MDRG	101	1	4.7642	0.1599	887.82	0.0000
MDRG	102	1	4.1019	0.1709	575.93	0.0000
MDRG	103	1	3.2517	0.1448	504.33	0.0000
MDRG	114	1	2.5519	0.1303	383.83	0.0000
MDRG	118	1	2.9499	0.1964	225.52	0.0000
MDRG	128	1	2.8120	0.1492	355.10	0.0000
MDRG	401	1	2.9414	0.1857	250.82	0.0000
MDRG	402	1	3.6162	0.1290	786.35	0.0000
MDRG	404	1	2.9012	0.1182	602.87	0.0000
MDRG	408	1	2.7749	0.1422	380.71	0.0000
MDRG	409	1	1.5067	0.1728	76.03	0.0000
MDRG	410	1	1.7650	0.1376	164.48	0.0000
MDRG	416	1	3.9588	0.0917	1862.23	0.0000
MDRG	502	1	2.2153	0.1623	186.32	0.0000
MDRG	503	1	3.7665	0.1103	1166.70	0.0000
MDRG	504	1	3.1749	0.1396	517.24	0.0000
MDRG	507	1	3.2364	0.1024	998.00	0.0000
MDRG	508	1	3.6608	0.1252	855.57	0.0000
MDRG	509	1	3.5759	0.1721	431.95	0.0000
MDRG	511	1	1.9138	0.1573	148.00	0.0000
MDRG	514	1	3.0851	0.1397	487.51	0.0000
MDRG	520	1	2.5095	0.1378	331.58	0.0000
MDRG	522	1	1.7113	0.1661	106.12	0.0000
MDRG	524	1	2.4089	0.1079	498.04	0.0000
MDRG	531	1	2.4252	0.1405	297.81	0.0000
MDRG	601	1	4.1159	0.1104	1389.72	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	602	1	4.0543	0.0877	2138.32	0.0000
MDRG	604	1	3.6150	0.1280	797.80	0.0000
MDRG	611	1	3.8272	0.1626	553.75	0.0000
MDRG	613	1	3.0193	0.1540	384.38	0.0000
MDRG	615	1	2.0511	0.1268	261.49	0.0000
MDRG	619	1	3.0066	0.1432	440.89	0.0000
MDRG	620	1	2.2174	0.1138	379.70	0.0000
MDRG	621	1	3.2293	0.1148	790.63	0.0000
MDRG	701	1	4.1043	0.1685	593.22	0.0000
MDRG	705	1	1.8224	0.1552	137.93	0.0000
MDRG	708	1	2.4574	0.1854	175.76	0.0000
MDRG	710	1	3.5130	0.1120	983.57	0.0000
MDRG	711	1	2.9571	0.1607	338.53	0.0000
MDRG	805	1	3.3575	0.1814	342.74	0.0000
MDRG	807	1	0.4817	0.1734	7.72	0.0055
MDRG	832	1	3.8097	0.1729	485.63	0.0000
MDRG	901	1	2.9173	0.1596	334.19	0.0000
MDRG	910	1	1.8947	0.1569	145.79	0.0000
MDRG	1007	1	2.8283	0.1370	426.13	0.0000
MDRG	1008	1	2.6317	0.1453	328.08	0.0000
MDRG	1109	1	3.6816	0.1857	392.87	0.0000
MDRG	1110	1	3.1653	0.1049	910.38	0.0000
MDRG	1113	1	1.9534	0.1462	178.58	0.0000
MDRG	1604	1	3.6130	0.1088	1103.07	0.0000
MDRG	1801	1	4.2178	0.1021	1707.58	0.0000
MDRG	1802	1	3.4653	0.1633	450.54	0.0000
MDRG	1807	1	4.2741	0.1121	1453.39	0.0000
MDRG	1808	1	3.3712	0.0977	1190.22	0.0000
MDRG	2019	1	2.0694	0.1874	121.98	0.0000



**Patient Safety Indicators (PSI)  
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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	2104	1	3.2389	0.1890	293.69	0.0000
MDRG	2107	1	2.5339	0.1611	247.38	0.0000
MDRG	2302	1	2.4245	0.1072	511.73	0.0000
MDRG	2408	1	3.6787	0.1530	577.96	0.0000
MDC	1	1	3.3240	0.0875	1444.09	0.0000
MDC	4	1	3.5500	0.0878	1635.58	0.0000
MDC	5	1	3.0583	0.0843	1316.96	0.0000
MDC	6	1	2.8594	0.0977	856.25	0.0000
MDC	7	1	3.1632	0.1198	697.06	0.0000
MDC	8	1	2.0165	0.0938	462.48	0.0000
MDC	9	1	2.9816	0.1202	615.24	0.0000
MDC	10	1	2.7619	0.1230	504.06	0.0000
MDC	11	1	2.5058	0.1253	400.07	0.0000
MDC	13	1	0.7914	0.1699	21.68	0.0000
MDC	16	1	3.2167	0.1684	364.83	0.0000
MDC	18	1	3.9711	0.0997	1585.05	0.0000
MDC	21	1	3.5117	0.1179	886.73	0.0000
MDC	22	1	4.1282	0.1551	708.62	0.0000
MDC	23	1	2.4708	0.1887	171.46	0.0000
MDC	24	1	3.1858	0.1684	357.84	0.0000
TRANSFER	Transfer-in	1	0.9608	0.0344	779.92	0.0000
NOPOUB04	UB-04 Point-of-Origin Data Not Available	1	0.6200	0.0414	224.10	0.0000
NOPRDAY	Procedure Days Data Not Available	1	-1.0866	0.0287	1429.42	0.0000
COMORB	CHF	1	0.3749	0.0331	128.26	0.0000
COMORB	VALVE	1	0.1348	0.0464	8.43	0.0037
COMORB	HTN_C	1	-0.6484	0.0240	729.15	0.0000
COMORB	PARA	1	0.5154	0.0474	118.29	0.0000
COMORB	NEURO	1	0.2011	0.0393	26.23	0.0000

**Patient Safety Indicators (PSI)  
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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
COMORB	CHRN LUNG	1	0.0680	0.0265	6.56	0.0104
COMORB	REN L FAIL	1	0.4520	0.0339	177.34	0.0000
COMORB	LIVER	1	0.2282	0.0557	16.77	0.0000
COMORB	ARTH	1	0.1696	0.0639	7.05	0.0079
COMORB	OBESE	1	0.1286	0.0380	11.45	0.0007
COMORB	WGHT LOSS	1	1.2839	0.0326	1551.07	0.0000
COMORB	BLD LOSS	1	0.5280	0.0660	64.05	0.0000
COMORB	ANEM DEF	1	0.1450	0.0302	23.10	0.0000
COMORB	DRUG	1	0.3946	0.0510	59.95	0.0000

c-statistic 0.869

**Table 6. Risk Adjustment Coefficients for PSI #08 – Postoperative Hip Fracture**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-9.9903	0.1512	4365.51	0.0000
MDC	5	1	0.1128	0.1949	0.33	0.5629

c-statistic 0.330

**Table 7. Risk Adjustment Coefficients for PSI #09 – Postoperative Hemorrhage or Hematoma Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-8.1685	0.0865	8914.16	0.0000
Sex	Female	1	-0.1872	0.0208	81.13	0.0000
MDRG	107	1	3.1361	0.0907	1194.50	0.0000
MDRG	302	1	2.3631	0.1381	292.91	0.0000
MDRG	401	1	1.5590	0.1326	138.28	0.0000
MDRG	503	1	2.8697	0.0975	866.23	0.0000
MDRG	504	1	1.7572	0.1205	212.54	0.0000
MDRG	507	1	2.2057	0.0978	508.99	0.0000
MDRG	508	1	3.0016	0.0966	965.60	0.0000
MDRG	509	1	2.1218	0.1321	257.97	0.0000
MDRG	514	1	2.8304	0.0923	941.08	0.0000
MDRG	519	1	2.0454	0.1427	205.51	0.0000
MDRG	601	1	2.5251	0.1044	584.96	0.0000
MDRG	602	1	2.5633	0.0864	880.01	0.0000
MDRG	603	1	2.4816	0.1443	295.90	0.0000
MDRG	604	1	2.3246	0.1184	385.50	0.0000
MDRG	606	1	1.3189	0.1234	114.29	0.0000
MDRG	609	1	2.6804	0.1396	368.62	0.0000
MDRG	610	1	2.4611	0.1071	527.71	0.0000
MDRG	701	1	3.1969	0.1086	865.79	0.0000
MDRG	704	1	3.1401	0.1043	905.68	0.0000
MDRG	705	1	1.7925	0.0961	348.12	0.0000
MDRG	803	1	1.0340	0.1341	59.42	0.0000
MDRG	805	1	2.6315	0.1270	429.09	0.0000
MDRG	808	1	1.4752	0.1206	149.57	0.0000
MDRG	902	1	2.9896	0.1433	435.08	0.0000
MDRG	903	1	2.6945	0.1114	584.87	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	904	1	3.2006	0.1033	960.61	0.0000
MDRG	1003	1	2.1028	0.1099	366.15	0.0000
MDRG	1005	1	2.3564	0.1195	388.56	0.0000
MDRG	1101	1	3.9120	0.1146	1164.90	0.0000
MDRG	1103	1	2.5303	0.1192	450.86	0.0000
MDRG	1105	1	3.3165	0.1433	535.75	0.0000
MDRG	1109	1	1.9538	0.1432	186.21	0.0000
MDRG	1204	1	2.7976	0.1099	647.76	0.0000
MDRG	1303	1	2.6300	0.1300	409.35	0.0000
MDRG	1304	1	2.5715	0.0856	902.49	0.0000
MDRG	1707	1	3.3805	0.1241	742.25	0.0000
MDRG	1801	1	2.2632	0.1131	400.16	0.0000
MDRG	1802	1	2.7772	0.1370	411.23	0.0000
MDRG	2104	1	2.3428	0.1408	276.75	0.0000
MDRG	2408	1	2.2501	0.1636	189.07	0.0000
MDRG	7702	1	4.9675	0.1127	1942.00	0.0000
MDC	1	1	1.4358	0.1021	197.56	0.0000
MDC	3	1	3.0135	0.1104	744.61	0.0000
MDC	4	1	1.4999	0.1291	134.95	0.0000
MDC	5	1	1.1412	0.0898	161.36	0.0000
MDC	6	1	2.1868	0.0978	500.11	0.0000
MDC	7	1	3.1887	0.1115	818.55	0.0000
MDC	8	1	0.8881	0.0902	96.91	0.0000
MDC	9	1	2.1560	0.1155	348.28	0.0000
MDC	10	1	2.1078	0.1216	300.31	0.0000
MDC	11	1	1.6949	0.1144	219.34	0.0000
MDC	12	1	1.8511	0.1198	238.82	0.0000
MDC	13	1	2.4318	0.1033	553.67	0.0000
MDC	16	1	2.9763	0.1336	496.35	0.0000

**Patient Safety Indicators (PSI)  
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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC	17	1	2.4060	0.1477	265.38	0.0000
MDC	18	1	3.4115	0.1792	362.42	0.0000
MDC	21	1	2.4319	0.1506	260.68	0.0000
MDC	24	1	1.6374	0.2405	46.36	0.0000
MDC	Other	1	1.8274	0.1518	145.01	0.0000
TRNSFER	Transfer-in	1	0.1262	0.0473	7.11	0.0077
NOPOUB04	UB-04 Point-of-Origin Data Not Available	1	0.0674	0.0284	5.63	0.0177
COMORB	CHF	1	0.3511	0.0416	71.31	0.0000
COMORB	VALVE	1	0.4380	0.0449	95.11	0.0000
COMORB	PERIVASC	1	0.1668	0.0362	21.19	0.0000
COMORB	HTN_C	1	-0.1704	0.0204	69.68	0.0000
COMORB	DM	1	-0.2446	0.0289	71.72	0.0000
COMORB	RENLFAIL	1	0.4351	0.0314	191.47	0.0000
COMORB	LIVER	1	0.6327	0.0491	166.21	0.0000
COMORB	TUMOR	1	0.0433	0.0685	0.40	0.5270
COMORB	ANEMDEF	1	-0.0211	0.0336	0.40	0.5297
COMORB	DRUG	1	0.1050	0.0754	1.94	0.1637

c-statistic 0.717

**Table 8. Risk Adjustment Coefficients for PSI #10 – Postoperative Physiologic and Metabolic Derangement Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-6.9311	0.1459	2257.95	0.0000
Sex	Female	1	-0.4839	0.0602	64.71	0.0000
Age	18 to 59	1	-0.4702	0.1047	20.16	0.0000
Age	65 to 79	1	0.3260	0.0982	11.03	0.0009
Age	80 to 85+	1	0.3311	0.1197	7.66	0.0057
MDRG	503	1	1.7887	0.1462	149.75	0.0000
MDRG	508	1	1.4641	0.1601	83.63	0.0000
MDC	4	1	0.3807	0.1645	5.35	0.0207
MDC	7	1	0.6537	0.1533	18.19	0.0000
MDC	8	1	-1.9164	0.1600	143.53	0.0000
MDC	Other	1	-0.3447	0.1218	8.01	0.0046
COMORB	VALVE	1	0.2927	0.1411	4.30	0.0380
COMORB	OBESE	1	0.4029	0.0999	16.26	0.0001
COMORB	RENFAIL	1	0.5814	0.1266	21.10	0.0000
COMORB	PERIVASC	1	0.1159	0.0998	1.35	0.2453
COMORB	CHF	1	1.5170	0.1119	183.80	0.0000
COMORB	LIVER	1	1.6590	0.1119	219.63	0.0000
COMORB	DMCX	1	0.9150	0.1419	41.56	0.0000
COMORB	HTN_C	1	-1.0923	0.0666	269.12	0.0000

c-statistic 0.746

**Table 9. Risk Adjustment Coefficients for PSI #11 – Postoperative Respiratory Failure Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-5.9206	0.0383	23880.56	0.0000
Sex	Female	1	-0.2529	0.0148	292.13	0.0000
Age	18 to 24	1	-0.7058	0.0628	126.32	0.0000
Age	25 to 29	1	-0.7984	0.0665	144.10	0.0000
Age	30 to 34	1	-0.8815	0.0601	214.93	0.0000
Age	35 to 39	1	-0.8851	0.0527	282.37	0.0000
Age	40 to 44	1	-0.6168	0.0395	243.63	0.0000
Age	45 to 49	1	-0.4946	0.0344	206.21	0.0000
Age	50 to 54	1	-0.3738	0.0315	141.24	0.0000
Age	55 to 59	1	-0.1749	0.0292	35.95	0.0000
Age	65 to 69	1	0.0739	0.0268	7.62	0.0058
Age	70 to 74	1	0.1881	0.0290	42.06	0.0000
Age	75 to 79	1	0.2712	0.0286	89.69	0.0000
Age	80 to 84	1	0.3629	0.0304	142.28	0.0000
Age	85+	1	0.3186	0.0357	79.61	0.0000
MDRG	101	1	4.5237	0.1131	1600.51	0.0000
MDRG	102	1	3.3660	0.1154	851.13	0.0000
MDRG	103	1	2.3230	0.0445	2720.75	0.0000
MDRG	107	1	0.7836	0.0526	221.51	0.0000
MDRG	601	1	2.5436	0.0400	4048.38	0.0000
MDRG	602	1	1.9746	0.0328	3634.86	0.0000
MDRG	603	1	1.5867	0.0667	565.46	0.0000
MDRG	604	1	1.6379	0.0646	642.32	0.0000
MDRG	607	1	1.1389	0.0989	132.75	0.0000
MDRG	610	1	1.2003	0.0625	368.72	0.0000
MDRG	611	1	1.7183	0.0873	387.66	0.0000
MDRG	701	1	2.3687	0.0527	2023.50	0.0000



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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	704	1	1.5105	0.0947	254.14	0.0000
MDRG	705	1	1.1244	0.0587	366.40	0.0000
MDRG	801	1	2.3244	0.0645	1297.93	0.0000
MDRG	802	1	2.3120	0.0816	803.15	0.0000
MDRG	803	1	0.6402	0.0510	157.82	0.0000
MDRG	805	1	1.2111	0.0887	186.55	0.0000
MDRG	806	1	0.2726	0.0781	12.19	0.0005
MDRG	808	1	0.8070	0.0547	217.76	0.0000
MDRG	811	1	0.7776	0.0851	83.47	0.0000
MDRG	815	1	-0.4233	0.0746	32.17	0.0000
MDRG	826	1	0.5789	0.0987	34.42	0.0000
MDRG	901	1	0.3073	0.0938	10.72	0.0011
MDRG	1001	1	1.9254	0.0927	431.77	0.0000
MDRG	1003	1	1.3280	0.0567	548.77	0.0000
MDRG	1102	1	2.1520	0.0655	1078.23	0.0000
MDRG	1103	1	1.5902	0.0516	949.90	0.0000
MDRG	1104	1	1.1652	0.0759	235.52	0.0000
MDRG	1201	1	-0.1205	0.0920	1.72	0.1900
MDRG	1302	1	1.9733	0.0813	589.51	0.0000
MDRG	1303	1	1.1555	0.0799	209.10	0.0000
MDRG	1304	1	-0.2291	0.0600	14.59	0.0001
MDRG	1707	1	1.6897	0.0937	325.13	0.0000
MDRG	1709	1	2.2904	0.1010	513.97	0.0000
MDRG	1801	1	3.1263	0.0581	2891.51	0.0000
MDRG	1802	1	1.2577	0.0865	211.29	0.0000
MDRG	2104	1	1.7858	0.0698	654.67	0.0000
MDRG	7702	1	3.5124	0.1024	1177.30	0.0000
MDC	1	1	2.0679	0.0454	2074.04	0.0000
MDC	3	1	2.0240	0.0542	1393.41	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC	6	1	2.4915	0.0430	3354.27	0.0000
MDC	7	1	2.5949	0.0618	1761.90	0.0000
MDC	8	1	0.7193	0.0402	320.25	0.0000
MDC	10	1	1.2337	0.0527	547.08	0.0000
MDC	11	1	0.8763	0.0507	299.29	0.0000
MDC	12	1	-0.4072	0.1034	15.52	0.0001
MDC	13	1	0.6428	0.0671	91.82	0.0000
MDC	16	1	1.8270	0.0999	334.73	0.0000
MDC	17	1	2.1390	0.0861	616.52	0.0000
MDC	21	1	1.4746	0.0972	230.27	0.0000
MDC	Other	1	0.9775	0.0455	461.77	0.0000
TRANSFER	Transfer-in	1	0.6602	0.0464	202.07	0.0000
NOPOUB04	UB-04 Point-of-Origin Data Not Available	1	-0.1244	0.0193	41.47	0.0000
NOPRDAY	Procedure Days Data Not Available	1	0.2656	0.0172	239.34	0.0000
COMORB	CHF	1	1.2968	0.0228	3227.01	0.0000
COMORB	VALVE	1	0.1677	0.0316	28.15	0.0000
COMORB	PULMCIRC	1	1.0052	0.0493	415.85	0.0000
COMORB	HTN_C	1	-0.4441	0.0158	788.54	0.0000
COMORB	PARA	1	0.8702	0.0439	393.46	0.0000
COMORB	NEURO	1	0.6326	0.0314	406.99	0.0000
COMORB	CHRN LUNG	1	0.6979	0.0167	1750.93	0.0000
COMORB	DM	1	0.0379	0.0201	3.55	0.0597
COMORB	HYPOTHY	1	-0.2540	0.0269	88.85	0.0000
COMORB	REN L FAIL	1	0.8119	0.0239	1149.59	0.0000
COMORB	LIVER	1	0.3250	0.0420	59.77	0.0000
COMORB	METS	1	0.4620	0.0281	270.10	0.0000
COMORB	OBESE	1	0.3895	0.0240	263.29	0.0000
COMORB	WGHT LOSS	1	2.1314	0.0278	5899.26	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
COMORB	ANEMDEF	1	0.2450	0.0258	90.23	0.0000
COMORB	ALCOHOL	1	1.0644	0.0387	756.06	0.0000
COMORB	DRUG	1	0.5165	0.0687	56.56	0.0000

c-statistic 0.841

**Table 10. Risk Adjustment Coefficients for PSI #12 – Postoperative Pulmonary Embolism or Deep Vein Thrombosis Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-5.3807	0.0249	46697.84	0.0000
Age	18 to 24	1	-0.6695	0.0447	224.67	0.0000
Age	25 to 29	1	-0.6185	0.0495	155.91	0.0000
Age	30 to 34	1	-0.6372	0.0499	162.81	0.0000
Age	35 to 39	1	-0.4771	0.0407	137.21	0.0000
Age	40 to 44	1	-0.4025	0.0347	134.58	0.0000
Age	45 to 49	1	-0.3371	0.0317	112.72	0.0000
Age	50 to 59	1	-0.1382	0.0237	34.04	0.0000
Age	65 to 74	1	0.1179	0.0221	28.42	0.0000
Age	75 to 79	1	0.2628	0.0250	110.72	0.0000
Age	80 to 84	1	0.2664	0.0245	118.50	0.0000
Age	85+	1	0.1588	0.0282	31.63	0.0000
MDRG	101	1	2.2574	0.0639	1247.09	0.0000
MDRG	102	1	1.8478	0.0542	1164.43	0.0000
MDRG	103	1	1.1432	0.0362	995.70	0.0000
MDRG	104	1	1.0015	0.0825	147.30	0.0000
MDRG	105	1	0.6683	0.1160	33.19	0.0000
MDRG	107	1	-1.2763	0.1306	95.47	0.0000
MDRG	108	1	0.5489	0.0917	35.81	0.0000
MDRG	401	1	0.5077	0.0476	113.64	0.0000
MDRG	402	1	0.6637	0.0533	154.82	0.0000
MDRG	502	1	-0.9212	0.0779	139.94	0.0000
MDRG	503	1	0.8674	0.0416	435.39	0.0000
MDRG	505	1	0.3739	0.1204	9.65	0.0019
MDRG	507	1	0.5146	0.0367	196.91	0.0000
MDRG	508	1	0.6938	0.0478	211.06	0.0000
MDRG	509	1	0.4323	0.0788	30.08	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	511	1	-1.4203	0.0740	368.54	0.0000
MDRG	514	1	0.2754	0.0525	27.55	0.0000
MDRG	519	1	0.3648	0.0806	20.47	0.0000
MDRG	601	1	1.0473	0.0401	682.11	0.0000
MDRG	602	1	0.8962	0.0248	1304.76	0.0000
MDRG	603	1	0.3646	0.0891	16.75	0.0000
MDRG	604	1	0.6812	0.0496	188.59	0.0000
MDRG	611	1	0.8682	0.0641	183.28	0.0000
MDRG	701	1	1.0315	0.0585	310.76	0.0000
MDRG	705	1	-0.6277	0.0545	132.41	0.0000
MDRG	801	1	0.9837	0.0849	134.17	0.0000
MDRG	802	1	1.4354	0.0859	279.24	0.0000
MDRG	804	1	0.8967	0.0707	160.84	0.0000
MDRG	805	1	0.8459	0.0659	164.96	0.0000
MDRG	806	1	0.3033	0.0635	22.81	0.0000
MDRG	807	1	0.3526	0.0245	207.52	0.0000
MDRG	808	1	-0.8354	0.0871	91.96	0.0000
MDRG	811	1	0.4902	0.0340	207.49	0.0000
MDRG	815	1	-0.8517	0.0729	136.52	0.0000
MDRG	1001	1	0.5798	0.1276	20.65	0.0000
MDRG	1003	1	-0.9167	0.1223	56.15	0.0000
MDRG	1006	1	0.6658	0.1196	30.98	0.0000
MDRG	1101	1	0.4319	0.1362	10.06	0.0015
MDRG	1102	1	1.3187	0.0731	325.76	0.0000
MDRG	1103	1	0.5074	0.0713	50.67	0.0000
MDRG	1104	1	0.2272	0.0775	8.60	0.0034
MDRG	1107	1	-0.5907	0.1127	27.45	0.0000
MDRG	1109	1	0.5342	0.0635	70.83	0.0000
MDRG	1201	1	-0.7411	0.0988	56.27	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	1301	1	0.9575	0.1008	90.27	0.0000
MDRG	1302	1	1.3485	0.0770	306.88	0.0000
MDRG	1303	1	0.5188	0.0778	44.49	0.0000
MDRG	1304	1	-1.2620	0.0605	435.31	0.0000
MDRG	1707	1	1.1046	0.0848	169.60	0.0000
MDRG	1708	1	1.3312	0.0812	269.10	0.0000
MDRG	1709	1	1.1615	0.1279	82.50	0.0000
MDRG	1801	1	1.2043	0.0372	1046.23	0.0000
MDRG	1802	1	0.9241	0.0591	244.69	0.0000
MDRG	2104	1	0.7566	0.0584	167.74	0.0000
MDRG	2406	1	2.3026	0.1072	461.07	0.0000
MDRG	2407	1	2.0622	0.0603	1170.38	0.0000
MDRG	2408	1	1.9660	0.0476	1704.28	0.0000
MDRG	2501	1	1.8355	0.1381	176.64	0.0000
MDRG	7701	1	2.5317	0.0951	708.94	0.0000
MDRG	7702	1	1.0793	0.1312	67.68	0.0000
MDC	1	1	2.1733	0.0326	4456.60	0.0000
MDC	4	1	1.2806	0.0471	739.76	0.0000
MDC	5	1	0.3605	0.0345	108.92	0.0000
MDC	7	1	0.5972	0.0541	121.67	0.0000
MDC	11	1	0.4686	0.0706	44.05	0.0000
MDC	12	1	-0.7513	0.1041	52.08	0.0000
MDC	16	1	0.7812	0.0913	73.28	0.0000
MDC	17	1	1.4562	0.1295	126.51	0.0000
MDC	18	1	2.0682	0.0742	777.87	0.0000
MDC	21	1	0.7610	0.0747	103.82	0.0000
MDC	22	1	1.2097	0.1104	120.11	0.0000
MDC	24	1	2.2240	0.5326	17.43	0.0000
MDC	25	1	1.5288	0.5519	7.67	0.0056

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer-in	1	0.6904	0.0214	1039.10	0.0000
COMORB	CHF	1	0.2017	0.0237	72.44	0.0000
COMORB	VALVE	1	-0.3283	0.0308	113.96	0.0000
COMORB	PULMCIRC	1	2.2648	0.0274	6807.25	0.0000
COMORB	PERIVASC	1	-0.1631	0.0263	38.31	0.0000
COMORB	HTN_C	1	-0.3974	0.0138	825.46	0.0000
COMORB	PARA	1	0.5846	0.0320	332.76	0.0000
COMORB	NEURO	1	0.1110	0.0260	18.27	0.0000
COMORB	CHRNUNG	1	0.0132	0.0166	0.63	0.4285
COMORB	DM	1	-0.2154	0.0177	148.59	0.0000
COMORB	HYPOTHY	1	-0.2500	0.0223	125.43	0.0000
COMORB	RENLFAIL	1	0.3669	0.0208	309.70	0.0000
COMORB	AIDS	1	0.1600	0.1363	1.38	0.2403
COMORB	LYMPH	1	0.3599	0.0635	32.09	0.0000
COMORB	METS	1	0.5609	0.0251	500.98	0.0000
COMORB	TUMOR	1	0.1839	0.0386	22.76	0.0000
COMORB	OBESE	1	0.0894	0.0227	15.47	0.0001
COMORB	WGHTLOSS	1	1.0772	0.0239	2034.79	0.0000
COMORB	BLDLOSS	1	0.5988	0.0387	239.16	0.0000
COMORB	ANEMDEF	1	0.1951	0.0182	114.72	0.0000
COMORB	ALCOHOL	1	0.1256	0.0343	13.38	0.0003
COMORB	DRUG	1	0.3005	0.0435	47.77	0.0000
COMORB	PSYCH	1	0.0677	0.0421	2.58	0.1079
COMORB	DEPRESS	1	-0.2143	0.0280	58.74	0.0000

c-statistic 0.745

**Table 11. Risk Adjustment Coefficients for PSI #13 – Postoperative Sepsis Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-5.7350	0.0806	5060.35	0.0000
Sex	Female	1	-0.1235	0.0283	19.07	0.0000
Age	18 to 39	1	-0.7197	0.0802	80.62	0.0000
Age	40 to 59	1	-0.2364	0.0551	18.41	0.0000
Age	65 to 69	1	0.2241	0.0581	14.89	0.0001
Age	70 to 74	1	0.2263	0.0610	13.79	0.0002
Age	75 to 79	1	0.3517	0.0596	34.85	0.0000
Age	80 to 84	1	0.4246	0.0619	47.14	0.0000
Age	85+	1	0.2117	0.0788	7.22	0.0072
MDRG	503	1	1.6736	0.0833	403.90	0.0000
MDRG	505	1	1.7746	0.1370	167.71	0.0000
MDRG	508	1	2.0771	0.0852	594.13	0.0000
MDRG	601	1	1.8172	0.1079	283.41	0.0000
MDRG	602	1	1.9532	0.0759	661.89	0.0000
MDRG	806	1	0.7684	0.1325	33.62	0.0000
MDRG	1003	1	2.4280	0.1228	390.64	0.0000
MDRG	1104	1	1.7282	0.1427	146.74	0.0000
MDC	4	1	1.3874	0.1345	106.42	0.0000
MDC	5	1	1.5981	0.0699	522.61	0.0000
MDC	7	1	1.7631	0.0968	331.58	0.0000
MDC	8	1	0.6943	0.0755	84.54	0.0000
MDC	10	1	1.7033	0.1239	188.89	0.0000
MDC	Other	1	1.3926	0.0694	402.90	0.0000
TRANSFER	Transfer-in	1	0.2728	0.0975	7.82	0.0052
COMORB	CHF	1	0.9675	0.0620	243.62	0.0000
COMORB	VALVE	1	0.2732	0.0716	14.55	0.0001
COMORB	PULMCIRC	1	0.7252	0.1185	37.42	0.0000
COMORB	HTN_C	1	-1.0830	0.0441	603.80	0.0000



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
COMORB	PARA	1	0.3763	0.1120	11.29	0.0008
COMORB	CHRNLUNG	1	0.1458	0.0366	15.86	0.0001
COMORB	HYPOTHY	1	-0.4823	0.0636	57.57	0.0000
COMORB	RENLFAIL	1	0.6512	0.0495	173.04	0.0000
COMORB	LIVER	1	0.4547	0.0949	22.94	0.0000
COMORB	OBESE	1	-0.0169	0.0588	0.08	0.7734
COMORB	WGHTLOSS	1	2.1109	0.0690	935.57	0.0000
COMORB	ALCOHOL	1	0.5053	0.0914	30.53	0.0000
COMORB	DEPRESS	1	-0.5912	0.0817	52.40	0.0000

c-statistic 0.745

**Table 12. Risk Adjustment Coefficients for PSI #14 – Postoperative Wound Dehiscence Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI SQUARE	PR > CHI SQUARE
Intercept		1	-5.3987	0.0768	4938.88	0.0000
Sex	Female	1	-0.8691	0.0435	399.74	0.0000
Age	18 to 59	1	-0.2634	0.0716	13.52	0.0002
Age	65 to 85+	1	0.2071	0.0674	9.44	0.0021
MDRG	1102	1	0.8080	0.1097	54.25	0.0000
MDC	6	1	-0.4439	0.0532	69.50	0.0000
MDC	11	1	-0.7438	0.1248	35.51	0.0000
MDC	13	1	-1.2184	0.0947	165.38	0.0000
MDC	18	1	0.3155	0.1007	9.81	0.0017
MDC	Other	1	-0.4684	0.0573	66.93	0.0000
COMORB	CHF	1	0.5737	0.0725	62.66	0.0000
COMORB	HTN_C	1	-0.5088	0.0465	119.60	0.0000
COMORB	CHRN LUNG	1	0.7366	0.0469	246.16	0.0000
COMORB	OBESE	1	0.3724	0.0695	28.71	0.0000
COMORB	WGHTLOSS	1	1.2673	0.0699	328.51	0.0000
COMORB	ALCOHOL	1	0.6161	0.0924	44.49	0.0000

c-statistic 0.740

**Table 13. Risk Adjustment Coefficients for PSI #15 – Accidental Puncture or Laceration Rate**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept		1	-8.7282	0.0666	17152.58	0.0000
Sex	Female	1	0.1638	0.0143	130.98	0.0000
Age	18 to 24	1	-0.4413	0.0481	84.24	0.0000
Age	25 to 29	1	-0.3923	0.0474	68.46	0.0000
Age	30 to 59	1	-0.1248	0.0139	80.95	0.0000
MDRG	101	1	4.1210	0.1732	566.43	0.0000
MDRG	103	1	3.1263	0.1047	891.24	0.0000
MDRG	107	1	2.6970	0.1174	527.55	0.0000
MDRG	302	1	3.0412	0.1675	329.47	0.0000
MDRG	401	1	3.9871	0.0848	2208.82	0.0000
MDRG	402	1	2.4808	0.1395	316.07	0.0000
MDRG	416	1	1.4230	0.1423	99.95	0.0000
MDRG	502	1	3.5299	0.0800	1945.02	0.0000
MDRG	503	1	4.3322	0.0792	2990.74	0.0000
MDRG	504	1	2.6492	0.1237	458.43	0.0000
MDRG	505	1	4.7432	0.1091	1889.39	0.0000
MDRG	506	1	5.6924	0.1135	2516.63	0.0000
MDRG	507	1	3.4654	0.0848	1670.42	0.0000
MDRG	508	1	4.5829	0.0755	3684.73	0.0000
MDRG	510	1	2.4131	0.1083	496.53	0.0000
MDRG	511	1	3.3613	0.0746	2029.93	0.0000
MDRG	513	1	3.1110	0.1165	713.71	0.0000
MDRG	514	1	3.9532	0.0772	2620.06	0.0000
MDRG	519	1	2.6824	0.1799	222.21	0.0000
MDRG	520	1	1.1064	0.1540	51.61	0.0000
MDRG	522	1	1.3841	0.1165	141.08	0.0000
MDRG	601	1	5.1926	0.0741	4906.29	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	602	1	5.6735	0.0669	7194.39	0.0000
MDRG	603	1	4.6689	0.1000	2181.09	0.0000
MDRG	604	1	4.2135	0.0869	2353.12	0.0000
MDRG	606	1	2.4695	0.1223	407.67	0.0000
MDRG	609	1	3.5384	0.1504	553.69	0.0000
MDRG	610	1	2.9487	0.1209	594.41	0.0000
MDRG	611	1	3.7002	0.1178	986.21	0.0000
MDRG	621	1	1.9152	0.1345	202.91	0.0000
MDRG	701	1	5.2164	0.0831	3944.68	0.0000
MDRG	702	1	6.1814	0.0946	4267.48	0.0000
MDRG	703	1	5.1739	0.1396	1372.84	0.0000
MDRG	704	1	5.1928	0.0801	4201.17	0.0000
MDRG	705	1	3.5042	0.0769	2075.31	0.0000
MDRG	712	1	2.4006	0.1319	331.47	0.0000
MDRG	806	1	2.2910	0.1593	206.75	0.0000
MDRG	807	1	1.4810	0.0932	252.76	0.0000
MDRG	815	1	4.9682	0.0701	5019.39	0.0000
MDRG	816	1	1.7471	0.1358	165.64	0.0000
MDRG	1001	1	4.8448	0.1241	1524.33	0.0000
MDRG	1003	1	3.7630	0.0941	1598.30	0.0000
MDRG	1005	1	2.6016	0.1467	314.36	0.0000
MDRG	1006	1	3.8269	0.1706	502.92	0.0000
MDRG	1101	1	4.3603	0.1493	853.20	0.0000
MDRG	1102	1	5.3053	0.0994	2850.01	0.0000
MDRG	1103	1	5.2632	0.0784	4502.67	0.0000
MDRG	1104	1	4.8125	0.0823	3419.65	0.0000
MDRG	1105	1	4.8040	0.1200	1603.64	0.0000
MDRG	1107	1	3.0171	0.1267	566.98	0.0000
MDRG	1109	1	3.5372	0.1162	926.46	0.0000

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDRG	1201	1	4.2181	0.0851	2458.27	0.0000
MDRG	1204	1	2.6604	0.1518	307.14	0.0000
MDRG	1301	1	5.0808	0.1125	2038.42	0.0000
MDRG	1302	1	5.2871	0.0947	3119.12	0.0000
MDRG	1303	1	4.7422	0.0860	3037.30	0.0000
MDRG	1304	1	4.7083	0.0677	4839.16	0.0000
MDRG	1305	1	4.3273	0.1254	1190.51	0.0000
MDRG	1306	1	4.5887	0.0988	2156.50	0.0000
MDRG	1307	1	4.3972	0.0892	2428.49	0.0000
MDRG	1308	1	5.5158	0.1131	2379.09	0.0000
MDRG	1707	1	4.8154	0.1106	1894.48	0.0000
MDRG	1709	1	5.5925	0.1122	2483.75	0.0000
MDRG	1801	1	3.8800	0.0940	1702.32	0.0000
MDRG	1802	1	3.8307	0.1141	1126.76	0.0000
MDRG	2104	1	4.5112	0.0901	2509.29	0.0000
MDRG	2108	1	2.4777	0.1556	253.45	0.0000
MDRG	2408	1	3.7590	0.1467	656.41	0.0000
MDRG	7702	1	5.1149	0.1531	1116.75	0.0000
MDC	3	1	0.9241	0.0918	101.43	0.0000
MDC	4	1	1.9503	0.1216	257.05	0.0000
MDC	5	1	0.5214	0.0881	35.00	0.0000
MDC	6	1	0.8537	0.0858	98.99	0.0000
MDC	7	1	1.3127	0.0807	264.62	0.0000
MDC	8	1	1.8087	0.0995	330.69	0.0000
MDC	9	1	1.6044	0.0845	360.86	0.0000
MDC	11	1	0.8212	0.1192	47.43	0.0000
MDC	12	1	0.9617	0.1027	87.72	0.0000
MDC	13	1	2.8359	0.1598	314.91	0.0000
MDC	16	1	2.6414	0.1415	348.69	0.0000

**Patient Safety Indicators (PSI)  
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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC	17	1	1.4300	0.1254	130.13	0.0000
MDC	18	1	1.6456	0.1260	170.50	0.0000
MDC	21	1	0.9113	0.1230	54.90	0.0000
MDC	24	1	1.2674	0.1484	72.98	0.0000
MDC	Other	1	2.0737	0.2300	81.29	0.0000
TRNSFER	Transfer-in	1	0.1050	0.0358	8.60	0.0034
NOPRDAY	Procedure Days Data Not Available	1	-0.0812	0.0167	23.77	0.0000
COMORB	PERIVASC	1	0.1337	0.0282	22.49	0.0000
COMORB	DM	1	-0.2418	0.0200	145.63	0.0000
COMORB	DMCX	1	-0.3747	0.0481	60.67	0.0000
COMORB	RENLFAIL	1	0.0702	0.0273	6.60	0.0102
COMORB	OBESE	1	0.1341	0.0235	32.56	0.0000
COMORB	WGHTLOSS	1	0.4943	0.0342	208.70	0.0000
COMORB	BLDLOSS	1	0.0192	0.0437	0.19	0.6608
COMORB	ANEMDEF	1	-0.1049	0.0230	20.84	0.0000

c-statistic 0.892

**Table A.1. Population Age Categories**

POPCAT	AGE RANGE
1	low - 4
2	5 - 9
3	10 - 14
4	15 - 17
5	18 - 24
6	25 - 29
7	30 - 34
8	35 - 39
9	40 - 44
10	45 - 49
11	50 - 54
12	55 - 59
13	60 - 64
14	65 - 69
15	70 - 74
16	75 - 79
17	80 - 84
18	85 - high

## Table A.2. Modified Diagnosis-Related Group (MDRG) Categories

### Column Headings

MDC – Major Diagnostic Category

M/S – Medical / Surgical DRG Indicator

MDRG – Modified DRG

CMS-DRG – Diagnosis-Related Group (DRG) Version 24 and earlier

MS-DRG – Diagnosis-Related Group (DRG) Version 25 and later

The modified DRG (MDRG) pools individual CMS-DRGs and MS-DRGs into a larger category. The MDRG is a four digit code. The first two digits are the MDC and the second two digits are a sequence number (e.g. 01-04) within MDC. CMS-DRGs that are divided into separate CMS-DRGs due to the presence of complications and comorbidities (CC) are pooled into a single MDRG. MS-DRGs that are divided into separate MS-DRGs due to the presence of CC and Major CC (MCC) are pooled into a single MDRG. The CMS crosswalk was used to pool CMS-DRGs and MS-DRGs into a single MDRG.

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
01	S	0101	528	INTRACRANIAL VASCULAR PROC W PDX HEMORRHAGE	020	Intracranial vascular procedures w PDX hemorrhage w MCC
01	S	0101	528	INTRACRANIAL VASCULAR PROC W PDX HEMORRHAGE	021	Intracranial vascular procedures w PDX hemorrhage w CC
01	S	0101	528	INTRACRANIAL VASCULAR PROC W PDX HEMORRHAGE	022	Intracranial vascular procedures w PDX hemorrhage w/o CC/MCC
01	S	0102	543	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PRINCIPAL DIAGNOSIS	023	Cranio w major dev impl/acute complex CNS PDX w MCC or chemo implant
01	S	0102	543	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PRINCIPAL DIAGNOSIS	024	Cranio w major dev impl/acute complex CNS PDX w/o MCC
01	S	0103	001	CRANIOTOMY AGE >17 W CC	025	Craniotomy & endovascular intracranial procedures w MCC
01	S	0103	002	CRANIOTOMY AGE >17 W/O CC	026	Craniotomy & endovascular intracranial procedures w CC
01	S	0103	003	CRANIOTOMY AGE 0-17	027	Craniotomy & endovascular intracranial procedures w/o CC/MCC
01	S	0104	531	SPINAL PROCEDURES W CC	028	Spinal procedures w MCC
01	S	0104	532	SPINAL PROCEDURES W/O CC	029	Spinal procedures w CC or spinal neurostimulators
01	S	0104	532	SPINAL PROCEDURES W/O CC	030	Spinal procedures w/o CC/MCC
01	S	0104	004	SPINAL PROCEDURES (NO LONGER VALID)		
01	S	0105	529	VENTRICULAR SHUNT PROCEDURES W CC	031	Ventricular shunt procedures w MCC



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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
01	S	0105	530	VENTRICULAR SHUNT PROCEDURES W/O CC	032	Ventricular shunt procedures w CC
01	S	0105	530	VENTRICULAR SHUNT PROCEDURES W/O CC	033	Ventricular shunt procedures w/o CC/MCC
01	S	0106	577	CAROTID ARTERY STENT PROCEDURE	034	Carotid artery stent procedure w MCC
01	S	0106	577	CAROTID ARTERY STENT PROCEDURE	035	Carotid artery stent procedure w CC
01	S	0106	577	CAROTID ARTERY STENT PROCEDURE	036	Carotid artery stent procedure w/o CC/MCC
01	S	0107	533	EXTRACRANIAL PROCEDURES W CC	037	Extracranial procedures w MCC
01	S	0107	534	EXTRACRANIAL PROCEDURES W/O CC	038	Extracranial procedures w CC
01	S	0107	534	EXTRACRANIAL PROCEDURES W/O CC	039	Extracranial procedures w/o CC/MCC
01	S	0107	005	EXTRACRANIAL PROCEDURES (NO LONGER VALID)		
01	S	0108	006	CARPAL TUNNEL RELEASE	040	Periph & cranial nerve & other nerv syst proc w MCC
01	S	0108	007	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W CC	041	Periph/cranial nerve & other nerv syst proc w CC or periph neurostim
01	S	0108	008	PERIPH & CRANIAL NERVE & OTHER NERV SYST PROC W/O CC	042	Periph & cranial nerve & other nerv syst proc w/o CC/MCC
01	M	0109	009	SPINAL DISORDERS & INJURIES	052	Spinal disorders & injuries w CC/MCC
01	M	0109	009	SPINAL DISORDERS & INJURIES	053	Spinal disorders & injuries w/o CC/MCC
01	M	0110	010	NERVOUS SYSTEM NEOPLASMS W CC	054	Nervous system neoplasms w MCC
01	M	0110	011	NERVOUS SYSTEM NEOPLASMS W/O CC	055	Nervous system neoplasms w/o MCC
01	M	0111	012	DEGENERATIVE NERVOUS SYSTEM DISORDERS	056	Degenerative nervous system disorders w MCC
01	M	0111	012	DEGENERATIVE NERVOUS SYSTEM DISORDERS	057	Degenerative nervous system disorders w/o MCC
01	M	0112	013	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	058	Multiple sclerosis & cerebellar ataxia w MCC
01	M	0112	013	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	059	Multiple sclerosis & cerebellar ataxia w CC
01	M	0112	013	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA	060	Multiple sclerosis & cerebellar ataxia w/o CC/MCC
01	M	0113	559	ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT	061	Acute ischemic stroke w use of thrombolytic agent w MCC
01	M	0113	559	ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT	062	Acute ischemic stroke w use of thrombolytic agent w CC
01	M	0113	559	ACUTE ISCHEMIC STROKE WITH USE OF THROMBOLYTIC AGENT	063	Acute ischemic stroke w use of thrombolytic agent w/o CC/MCC
01	M	0114	014	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION	064	Intracranial hemorrhage or cerebral infarction w MCC
01	M	0114	014	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION	065	Intracranial hemorrhage or cerebral infarction w CC

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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
01	M	0114	014	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION	066	Intracranial hemorrhage or cerebral infarction w/o CC/MCC
01	M	0115	015	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT	067	Nonspecific cva & precerebral occlusion w/o infarct w MCC
01	M	0115	015	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT	068	Nonspecific cva & precerebral occlusion w/o infarct w/o MCC
01	M	0116	524	TRANSIENT ISCHEMIA	069	Transient ischemia
01	M	0117	016	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC	070	Nonspecific cerebrovascular disorders w MCC
01	M	0117	017	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	071	Nonspecific cerebrovascular disorders w CC
01	M	0117	017	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC	072	Nonspecific cerebrovascular disorders w/o CC/MCC
01	M	0118	018	CRANIAL & PERIPHERAL NERVE DISORDERS W CC	073	Cranial & peripheral nerve disorders w MCC
01	M	0118	019	CRANIAL & PERIPHERAL NERVE DISORDERS W/O CC	074	Cranial & peripheral nerve disorders w/o MCC
01	M	0119	021	VIRAL MENINGITIS	075	Viral meningitis w CC/MCC
01	M	0119	021	VIRAL MENINGITIS	076	Viral meningitis w/o CC/MCC
01	M	0120	022	HYPERTENSIVE ENCEPHALOPATHY	077	Hypertensive encephalopathy w MCC
01	M	0120	022	HYPERTENSIVE ENCEPHALOPATHY	078	Hypertensive encephalopathy w CC
01	M	0120	022	HYPERTENSIVE ENCEPHALOPATHY	079	Hypertensive encephalopathy w/o CC/MCC
01	M	0121	023	NONTRAUMATIC STUPOR & COMA	080	Nontraumatic stupor & coma w MCC
01	M	0121	023	NONTRAUMATIC STUPOR & COMA	081	Nontraumatic stupor & coma w/o MCC
01	M	0122	027	TRAUMATIC STUPOR & COMA, COMA >1 HR	082	Traumatic stupor & coma, coma >1 hr w MCC
01	M	0122	027	TRAUMATIC STUPOR & COMA, COMA >1 HR	083	Traumatic stupor & coma, coma >1 hr w CC
01	M	0122	027	TRAUMATIC STUPOR & COMA, COMA >1 HR	084	Traumatic stupor & coma, coma >1 hr w/o CC/MCC
01	M	0123	028	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W CC	085	Traumatic stupor & coma, coma <1 hr w MCC
01	M	0123	029	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE >17 W/O CC	086	Traumatic stupor & coma, coma <1 hr w CC
01	M	0123	030	TRAUMATIC STUPOR & COMA, COMA <1 HR AGE 0-17	087	Traumatic stupor & coma, coma <1 hr w/o CC/MCC
01	M	0124	031	CONCUSSION AGE >17 W CC	088	Concussion w MCC
01	M	0124	032	CONCUSSION AGE >17 W/O CC	089	Concussion w CC
01	M	0124	033	CONCUSSION AGE 0-17	090	Concussion w/o CC/MCC

**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
01	M	0125	034	OTHER DISORDERS OF NERVOUS SYSTEM W CC	091	Other disorders of nervous system w MCC
01	M	0125	035	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	092	Other disorders of nervous system w CC
01	M	0125	035	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC	093	Other disorders of nervous system w/o CC/MCC
01	M	0126	560	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM	094	Bacterial & tuberculous infections of nervous system w MCC
01	M	0126	560	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM	095	Bacterial & tuberculous infections of nervous system w CC
01	M	0126	560	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM	096	Bacterial & tuberculous infections of nervous system w/o CC/MCC
01	M	0127	561	NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS	097	Non-bacterial infect of nervous sys exc viral meningitis w MCC
01	M	0127	561	NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS	098	Non-bacterial infect of nervous sys exc viral meningitis w CC
01	M	0127	561	NON-BACTERIAL INFECTIONS OF NERVOUS SYSTEM EXCEPT VIRAL MENINGITIS	099	Non-bacterial infect of nervous sys exc viral meningitis w/o CC/MCC
01	M	0128	026	SEIZURE & HEADACHE AGE 0-17	100	Seizures w MCC
01	M	0128	562	SEIZURE AGE > 17 W CC	101	Seizures w/o MCC
01	M	0128	563	SEIZURE AGE > 17 W/O CC	101	Seizures w/o MCC
01	M	0129	564	HEADACHES AGE >17	102	Headaches w MCC
01	M	0129	564	HEADACHES AGE >17	103	Headaches w/o MCC
01	M	0198	020	NERVOUS SYSTEM INFECTION EXCEPT VIRAL MENINGITIS (NO LONGER VALID)		
01	M	0198	024	SEIZURE & HEADACHE AGE >17 W CC (NO LONGER VALID)		
01	M	0198	025	SEIZURE & HEADACHE AGE >17 WO CC (NO LONGER VALID)		
04	M	0198	474	NO LONGER VALID		
02	S	0201	037	ORBITAL PROCEDURES	113	Orbital procedures w CC/MCC
02	S	0201	037	ORBITAL PROCEDURES	114	Orbital procedures w/o CC/MCC
02	S	0202	040	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE >17	115	Extraocular procedures except orbit
02	S	0202	041	EXTRAOCULAR PROCEDURES EXCEPT ORBIT AGE 0-17	115	Extraocular procedures except orbit
02	S	0203	036	RETINAL PROCEDURES	116	Intraocular procedures w CC/MCC
02	S	0203	038	PRIMARY IRIS PROCEDURES	117	Intraocular procedures w/o CC/MCC

**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
02	S	0203	039	LENS PROCEDURES WITH OR WITHOUT VITRECTOMY	117	Intraocular procedures w/o CC/MCC
02	S	0203	042	INTRAOCULAR PROCEDURES EXCEPT RETINA, IRIS & LENS	117	Intraocular procedures w/o CC/MCC
02	M	0204	044	ACUTE MAJOR EYE INFECTIONS	121	Acute major eye infections w CC/MCC
02	M	0204	044	ACUTE MAJOR EYE INFECTIONS	122	Acute major eye infections w/o CC/MCC
02	M	0205	045	NEUROLOGICAL EYE DISORDERS	123	Neurological eye disorders
02	M	0206	043	HYPHEMA	124	Other disorders of the eye w MCC
02	M	0206	046	OTHER DISORDERS OF THE EYE AGE >17 W CC	125	Other disorders of the eye w/o MCC
02	M	0206	047	OTHER DISORDERS OF THE EYE AGE >17 W/O CC	125	Other disorders of the eye w/o MCC
02	M	0206	048	OTHER DISORDERS OF THE EYE AGE 0-17	125	Other disorders of the eye w/o MCC
03	S	0301	049	MAJOR HEAD & NECK PROCEDURES	129	Major head & neck procedures w CC/MCC or major device
03	S	0301	049	MAJOR HEAD & NECK PROCEDURES	130	Major head & neck procedures w/o CC/MCC
03	S	0301	049	MAJOR HEAD & NECK PROCEDURES	131	Cranial/facial procedures w CC/MCC
03	S	0301	049	MAJOR HEAD & NECK PROCEDURES	132	Cranial/facial procedures w/o CC/MCC
03	S	0302	052	CLEFT LIP & PALATE REPAIR	133	Other ear, nose, mouth & throat O.R. procedures w CC/MCC
03	S	0302	055	MISCELLANEOUS EAR, NOSE, MOUTH & THROAT PROCEDURES	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	056	RHINOPLASTY	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	057	T&A PROC, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	058	T&A PROC, EXCEPT TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	059	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE >17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	060	TONSILLECTOMY &/OR ADENOIDECTOMY ONLY, AGE 0-17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	061	MYRINGOTOMY W TUBE INSERTION AGE >17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	062	MYRINGOTOMY W TUBE INSERTION AGE 0-17	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0302	063	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	134	Other ear, nose, mouth & throat O.R. procedures w/o CC/MCC
03	S	0303	053	SINUS & MASTOID PROCEDURES AGE >17	135	Sinus & mastoid procedures w CC/MCC
03	S	0303	054	SINUS & MASTOID PROCEDURES AGE 0-17	136	Sinus & mastoid procedures w/o CC/MCC

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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
03	S	0304	168	MOUTH PROCEDURES W CC	137	Mouth procedures w CC/MCC
03	S	0304	169	MOUTH PROCEDURES W/O CC	138	Mouth procedures w/o CC/MCC
03	S	0305	050	SIALOADENECTOMY	139	Salivary gland procedures
03	S	0305	051	SALIVARY GLAND PROCEDURES EXCEPT SIALOADENECTOMY	139	Salivary gland procedures
03	M	0306	064	EAR, NOSE, MOUTH & THROAT MALIGNANCY	146	Ear, nose, mouth & throat malignancy w MCC
03	M	0306	064	EAR, NOSE, MOUTH & THROAT MALIGNANCY	147	Ear, nose, mouth & throat malignancy w CC
03	M	0306	064	EAR, NOSE, MOUTH & THROAT MALIGNANCY	148	Ear, nose, mouth & throat malignancy w/o CC/MCC
03	M	0307	065	DYSEQUILIBRIUM	149	Dysequilibrium
03	M	0308	066	EPISTAXIS	150	Epistaxis w MCC
03	M	0308	066	EPISTAXIS	151	Epistaxis w/o MCC
03	M	0309	067	EPIGLOTTITIS	152	Otitis media & URI w MCC
03	M	0309	068	OTITIS MEDIA & URI AGE >17 W CC	153	Otitis media & URI w/o MCC
03	M	0309	069	OTITIS MEDIA & URI AGE >17 W/O CC	153	Otitis media & URI w/o MCC
03	M	0309	070	OTITIS MEDIA & URI AGE 0-17	153	Otitis media & URI w/o MCC
03	M	0309	071	LARYNGOTRACHEITIS	153	Otitis media & URI w/o MCC
03	M	0310	072	NASAL TRAUMA & DEFORMITY	154	Nasal trauma & deformity w MCC
03	M	0310	073	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE >17	155	Nasal trauma & deformity w CC
03	M	0310	074	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES AGE 0-17	156	Nasal trauma & deformity w/o CC/MCC
03	M	0311	185	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE >17	157	Dental & Oral Diseases w MCC
03	M	0311	186	DENTAL & ORAL DIS EXCEPT EXTRACTIONS & RESTORATIONS, AGE 0-17	158	Dental & Oral Diseases w CC
03	M	0311	187	DENTAL EXTRACTIONS & RESTORATIONS	159	Dental & Oral Diseases w/o CC/MCC
04	S	0401	075	MAJOR CHEST PROCEDURES	163	Major chest procedures w MCC
04	S	0401	075	MAJOR CHEST PROCEDURES	164	Major chest procedures w CC
04	S	0401	075	MAJOR CHEST PROCEDURES	165	Major chest procedures w/o CC/MCC
04	S	0402	076	OTHER RESP SYSTEM O.R. PROCEDURES W CC	166	Other resp system O.R. procedures w MCC
04	S	0402	077	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	167	Other resp system O.R. procedures w CC
04	S	0402	077	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC	168	Other resp system O.R. procedures w/o CC/MCC

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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
04	M	0403	078	PULMONARY EMBOLISM	175	Pulmonary embolism w MCC
04	M	0403	078	PULMONARY EMBOLISM	176	Pulmonary embolism w/o MCC
04	M	0404	079	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W CC	177	Respiratory infections & inflammations w MCC
04	M	0404	080	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE >17 W/O CC	178	Respiratory infections & inflammations w CC
04	M	0404	081	RESPIRATORY INFECTIONS & INFLAMMATIONS AGE 0-17	179	Respiratory infections & inflammations w/o CC/MCC
04	M	0405	082	RESPIRATORY NEOPLASMS	180	Respiratory neoplasms w MCC
04	M	0405	082	RESPIRATORY NEOPLASMS	181	Respiratory neoplasms w CC
04	M	0405	082	RESPIRATORY NEOPLASMS	182	Respiratory neoplasms w/o CC/MCC
04	M	0406	083	MAJOR CHEST TRAUMA W CC	183	Major chest trauma w MCC
04	M	0406	084	MAJOR CHEST TRAUMA W/O CC	184	Major chest trauma w CC
04	M	0406	084	MAJOR CHEST TRAUMA W/O CC	185	Major chest trauma w/o CC/MCC
04	M	0407	085	PLEURAL EFFUSION W CC	186	Pleural effusion w MCC
04	M	0407	086	PLEURAL EFFUSION W/O CC	187	Pleural effusion w CC
04	M	0407	086	PLEURAL EFFUSION W/O CC	188	Pleural effusion w/o CC/MCC
04	M	0408	087	PULMONARY EDEMA & RESPIRATORY FAILURE	189	Pulmonary edema & respiratory failure
04	M	0409	088	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	190	Chronic obstructive pulmonary disease w MCC
04	M	0409	088	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	191	Chronic obstructive pulmonary disease w CC
04	M	0409	088	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	192	Chronic obstructive pulmonary disease w/o CC/MCC
04	M	0410	089	SIMPLE PNEUMONIA & PLEURISY AGE >17 W CC	193	Simple pneumonia & pleurisy w MCC
04	M	0410	090	SIMPLE PNEUMONIA & PLEURISY AGE >17 W/O CC	194	Simple pneumonia & pleurisy w CC
04	M	0410	091	SIMPLE PNEUMONIA & PLEURISY AGE 0-17	195	Simple pneumonia & pleurisy w/o CC/MCC
04	M	0411	092	INTERSTITIAL LUNG DISEASE W CC	196	Interstitial lung disease w MCC
04	M	0411	093	INTERSTITIAL LUNG DISEASE W/O CC	197	Interstitial lung disease w CC
04	M	0411	093	INTERSTITIAL LUNG DISEASE W/O CC	198	Interstitial lung disease w/o CC/MCC
04	M	0412	094	PNEUMOTHORAX W CC	199	Pneumothorax w MCC
04	M	0412	095	PNEUMOTHORAX W/O CC	200	Pneumothorax w CC
04	M	0412	095	PNEUMOTHORAX W/O CC	201	Pneumothorax w/o CC/MCC
04	M	0413	096	BRONCHITIS & ASTHMA AGE >17 W CC	202	Bronchitis & asthma w CC/MCC



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
04	M	0413	097	BRONCHITIS & ASTHMA AGE >17 W/O CC	203	Bronchitis & asthma w/o CC/MCC
04	M	0413	098	BRONCHITIS & ASTHMA AGE 0-17	203	Bronchitis & asthma w/o CC/MCC
04	M	0414	099	RESPIRATORY SIGNS & SYMPTOMS W CC	204	Respiratory signs & symptoms
04	M	0414	100	RESPIRATORY SIGNS & SYMPTOMS W/O CC	204	Respiratory signs & symptoms
04	M	0415	101	OTHER RESPIRATORY SYSTEM DIAGNOSES W CC	205	Other respiratory system diagnoses w MCC
04	M	0415	102	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O CC	206	Other respiratory system diagnoses w/o MCC
04	M	0416	565	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT 96+ HOURS	207	Respiratory system diagnosis w ventilator support 96+ hours
04	M	0416	566	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT < 96 HOURS	208	Respiratory system diagnosis w ventilator support <96 hours
04	M	0416	475	RESPIRATORY SYSTEM DIAGNOSIS WITH VENTILATOR SUPPORT (NO LONGER VALID)		
05	S	0501	525	OTHER HEART ASSIST SYSTEM IMPLANT	215	Other heart assist system implant
05	S	0502	555	PERCUTANEOUS CARDIOVASCULAR PROC W MAJOR CV DX	248	Perc cardiovasc proc w non-drug-eluting stent w MCC or 4+ ves/stents
05	S	0502	556	PERCUTANEOUS CARDIOVASC PROC W NON-DRUG-ELUTING STENT W/O MAJ CV DX	249	Perc cardiovasc proc w non-drug-eluting stent w/o MCC
05	S	0502	516	PERCUTANEOUS CARDIOVASC PROC W AMI		
05	S	0502	517	PERC CARDIO PROC W NON-DRUG ELUTING STENT WO AMI		
05	S	0503	104	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W CARD CATH	216	Cardiac valve & oth maj cardiothoracic proc w card cath w MCC
05	S	0503	104	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W CARD CATH	217	Cardiac valve & oth maj cardiothoracic proc w card cath w CC
05	S	0503	104	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W CARD CATH	218	Cardiac valve & oth maj cardiothoracic proc w card cath w/o CC/MCC
05	S	0503	105	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W/O CARD CATH	219	Cardiac valve & oth maj cardiothoracic proc w/o card cath w MCC
05	S	0503	105	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W/O CARD CATH	220	Cardiac valve & oth maj cardiothoracic proc w/o card cath w CC
05	S	0503	105	CARDIAC VALVE & OTH MAJOR CARDIOTHORACIC PROC W/O CARD CATH	221	Cardiac valve & oth maj cardiothoracic proc w/o card cath w/o CC/MCC
05	S	0504	535	CARDIAC DEFIB IMPLANT W CARDIAC CATH W AMI/HF/SHOCK	222	Cardiac defib implant w cardiac cath w AMI/HF/shock w MCC
05	S	0504	535	CARDIAC DEFIB IMPLANT W CARDIAC CATH W AMI/HF/SHOCK	223	Cardiac defib implant w cardiac cath w AMI/HF/shock w/o MCC
05	S	0504	536	CARDIAC DEFIB IMPLANT W CARDIAC CATH W/O AMI/HF/SHOCK	224	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
05	S	0504	536	CARDIAC DEFIB IMPLANT W CARDIAC CATH W/O AMI/HF/SHOCK	225	Cardiac defib implant w cardiac cath w/o AMI/HF/shock w/o MCC
05	S	0504	515	CARDIAC DEFIBRILLATOR IMPLANT W/O CARDIAC CATH	226	Cardiac defibrillator implant w/o cardiac cath w MCC
05	S	0504	515	CARDIAC DEFIBRILLATOR IMPLANT W/O CARDIAC CATH	227	Cardiac defibrillator implant w/o cardiac cath w/o MCC
05	S	0505	108	OTHER CARDIOTHORACIC PROCEDURES	228	Other cardiothoracic procedures w MCC
05	S	0505	108	OTHER CARDIOTHORACIC PROCEDURES	229	Other cardiothoracic procedures w CC
05	S	0505	108	OTHER CARDIOTHORACIC PROCEDURES	230	Other cardiothoracic procedures w/o CC/MCC
05	S	0506	106	CORONARY BYPASS W PTCA	231	Coronary bypass w PTCA w MCC
05	S	0506	106	CORONARY BYPASS W PTCA	232	Coronary bypass w PTCA w/o MCC
05	S	0507	547	CORONARY BYPASS W CARDIAC CATH W MAJOR CV DX	233	Coronary bypass w cardiac cath w MCC
05	S	0507	548	CORONARY BYPASS W CARDIAC CATH W/O MAJOR CV DX	234	Coronary bypass w cardiac cath w/o MCC
05	S	0507	549	CORONARY BYPASS W/O CARDIAC CATH W MAJOR CV DX	235	Coronary bypass w/o cardiac cath w MCC
05	S	0507	550	CORONARY BYPASS W/O CARDIAC CATH W/O MAJOR CV DX	236	Coronary bypass w/o cardiac cath w/o MCC
05	S	0507	107	CORONARY BYPASS W CARDIAC CATH (NO LONGER VALID)		
05	S	0507	109	CORONARY BYPASS WO PTCA OR CARDIAC CATH (NO LONGER VALID)		
05	S	0508	110	MAJOR CARDIOVASCULAR PROCEDURES W CC	237	Major cardiovasc procedures w MCC or thoracic aortic aneuerysm repair
05	S	0508	111	MAJOR CARDIOVASCULAR PROCEDURES W/O CC	238	Major cardiovascular procedures w/o MCC
05	S	0509	113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	239	Amputation for circ sys disorders exc upper limb & toe w MCC
05	S	0509	113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	240	Amputation for circ sys disorders exc upper limb & toe w CC
05	S	0509	113	AMPUTATION FOR CIRC SYSTEM DISORDERS EXCEPT UPPER LIMB & TOE	241	Amputation for circ sys disorders exc upper limb & toe w/o CC/MCC
05	S	0510	551	PERMANENT CARDIAC PACEMAKER IMPL W MAJ CV DX OR AICD LEAD OR GNRTR	242	Permanent cardiac pacemaker implant w MCC
05	S	0510	552	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT W/O MAJOR CV DX	243	Permanent cardiac pacemaker implant w CC
05	S	0510	552	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT W/O MAJOR CV DX	244	Permanent cardiac pacemaker implant w/o CC/MCC
05	S	0510	552	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT W/O MAJOR CV DX	245	AICD lead & generator procedures



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
05	S	0510	115	PRM CARD PACEM IMPL W AMI/HR/SHOCK OR AICD LEAD OR GNRTR (NO LONGER VALID)		
05	S	0510	116	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT (NO LONGER VALID)		
05	S	0510	552	OTHER PERMANENT CARDIAC PACEMAKER IMPLANT W/O MAJOR CV DX	265	AICD lead procedures
05	S	0511	557	PERCUTANEOUS CARDIOVASCULAR PROC W DRUG-ELUTING STENT W MAJOR CV DX	246	Perc cardiovasc proc w drug-eluting stent w MCC or 4+ vessels/stents
05	S	0511	558	PERCUTANEOUS CARDIOVASCULAR PROC W DRUG-ELUTING STENT W/O MAJ CV DX	247	Perc cardiovasc proc w drug-eluting stent w/o MCC
05	S	0511	526	PERCUTNEOUS CARDIOVASULAR PROC W DRUG ELUTING STENT W AM		
05	S	0511	527	PERCUTNEOUS CARDIOVASULAR PROC W DRUG ELUTING STENT WO A		
05	S	0513	518	PERC CARDIO PROC W/O CORONARY ARTERY STENT OR AMI	250	Perc cardiovasc proc w/o coronary artery stent or AMI w MCC
05	S	0513	518	PERC CARDIO PROC W/O CORONARY ARTERY STENT OR AMI	251	Perc cardiovasc proc w/o coronary artery stent or AMI w/o MCC
05	S	0514	479	OTHER VASCULAR PROCEDURES W/O CC	252	Other vascular procedures w MCC
05	S	0514	553	OTHER VASCULAR PROCEDURES W CC W MAJOR CV DX	253	Other vascular procedures w CC
05	S	0514	554	OTHER VASCULAR PROCEDURES W CC W/O MAJOR CV DX	254	Other vascular procedures w/o CC/MCC
05	S	0514	478	OTHER VASCULAR PROCEDURES W CC		
05	S	0515	114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	255	Upper limb & toe amputation for circ system disorders w MCC
05	S	0515	114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	256	Upper limb & toe amputation for circ system disorders w CC
05	S	0515	114	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS	257	Upper limb & toe amputation for circ system disorders w/o CC/MCC
05	S	0516	118	CARDIAC PACEMAKER DEVICE REPLACEMENT	258	Cardiac pacemaker device replacement w MCC
05	S	0516	118	CARDIAC PACEMAKER DEVICE REPLACEMENT	259	Cardiac pacemaker device replacement w/o MCC
05	S	0517	117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	260	Cardiac pacemaker revision except device replacement w MCC
05	S	0517	117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	261	Cardiac pacemaker revision except device replacement w CC
05	S	0517	117	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT	262	Cardiac pacemaker revision except device replacement w/o CC/MCC
05	S	0518	119	VEIN LIGATION & STRIPPING	263	Vein ligation & stripping
05	S	0519	120	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES	264	Other circulatory system O.R. procedures

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
05	M	0520	121	CIRCULATORY DISORDERS W AMI & MAJOR COMP, DISCHARGED ALIVE	280	Acute myocardial infarction, discharged alive w MCC
05	M	0520	122	CIRCULATORY DISORDERS W AMI W/O MAJOR COMP, DISCHARGED ALIVE	281	Acute myocardial infarction, discharged alive w CC
05	M	0520	122	CIRCULATORY DISORDERS W AMI W/O MAJOR COMP, DISCHARGED ALIVE	282	Acute myocardia infarction, discharged alive w/o CC/MCC
05	M	0521	123	CIRCULATORY DISORDERS W AMI, EXPIRED	283	Acute myocardial infarction, expired w MCC
05	M	0521	123	CIRCULATORY DISORDERS W AMI, EXPIRED	284	Acute myocardial infarction, expired w CC
05	M	0521	123	CIRCULATORY DISORDERS W AMI, EXPIRED	285	Acute myocardial infarction, expired w/o CC/MCC
05	M	0522	124	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH & COMPLEX DIAG	286	Circulatory disorders except AMI, w card cath w MCC
05	M	0522	125	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O COMPLEX DIAG	287	Circulatory disorders except AMI, w card cath w/o MCC
05	M	0523	126	ACUTE & SUBACUTE ENDOCARDITIS	288	Acute & subacute endocarditis w MCC
05	M	0523	126	ACUTE & SUBACUTE ENDOCARDITIS	289	Acute & subacute endocarditis w CC
05	M	0523	126	ACUTE & SUBACUTE ENDOCARDITIS	290	Acute & subacute endocarditis w/o CC/MCC
05	M	0524	127	HEART FAILURE & SHOCK	291	Heart failure & shock w MCC
05	M	0524	127	HEART FAILURE & SHOCK	292	Heart failure & shock w CC
05	M	0524	127	HEART FAILURE & SHOCK	293	Heart failure & shock w/o CC/MCC
05	M	0525	128	DEEP VEIN THROMBOPHLEBITIS	294	Deep vein thrombophlebitis w CC/MCC
05	M	0525	128	DEEP VEIN THROMBOPHLEBITIS	295	Deep vein thrombophlebitis w/o CC/MCC
05	M	0526	129	CARDIAC ARREST, UNEXPLAINED	296	Cardiac arrest, unexplained w MCC
05	M	0526	129	CARDIAC ARREST, UNEXPLAINED	297	Cardiac arrest, unexplained w CC
05	M	0526	129	CARDIAC ARREST, UNEXPLAINED	298	Cardiac arrest, unexplained w/o CC/MCC
05	M	0527	130	PERIPHERAL VASCULAR DISORDERS W CC	299	Peripheral vascular disorders w MCC
05	M	0527	131	PERIPHERAL VASCULAR DISORDERS W/O CC	300	Peripheral vascular disorders w CC
05	M	0527	131	PERIPHERAL VASCULAR DISORDERS W/O CC	301	Peripheral vascular disorders w/o CC/MCC
05	M	0528	132	ATHEROSCLEROSIS W CC	302	Atherosclerosis w MCC
05	M	0528	133	ATHEROSCLEROSIS W/O CC	303	Atherosclerosis w/o MCC
05	M	0529	134	HYPERTENSION	304	Hypertension w MCC
05	M	0529	134	HYPERTENSION	305	Hypertension w/o MCC
05	M	0530	135	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W CC	306	Cardiac congenital & valvular disorders w MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
05	M	0530	136	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE >17 W/O CC	307	Cardiac congenital & valvular disorders w/o MCC
05	M	0530	137	CARDIAC CONGENITAL & VALVULAR DISORDERS AGE 0-17	307	Cardiac congenital & valvular disorders w/o MCC
05	M	0531	138	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W CC	308	Cardiac arrhythmia & conduction disorders w MCC
05	M	0531	139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	309	Cardiac arrhythmia & conduction disorders w CC
05	M	0531	139	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC	310	Cardiac arrhythmia & conduction disorders w/o CC/MCC
05	M	0532	140	ANGINA PECTORIS	311	Angina pectoris
05	M	0533	141	SYNCOPE & COLLAPSE W CC	312	Syncope & collapse
05	M	0533	142	SYNCOPE & COLLAPSE W/O CC	312	Syncope & collapse
05	M	0534	143	CHEST PAIN	313	Chest pain
05	M	0535	144	OTHER CIRCULATORY SYSTEM DIAGNOSES W CC	314	Other circulatory system diagnoses w MCC
05	M	0535	145	OTHER CIRCULATORY SYSTEM DIAGNOSES W/O CC	315	Other circulatory system diagnoses w CC
05	M	0535	145	OTHER CIRCULATORY SYSTEM DIAGNOSES W/O CC	316	Other circulatory system diagnoses w/o CC/MCC
05	S	0599	112	PERCUTANEOUS CARDIOVASCULAR PROCEDURES (NO LONGER VALID)		
05	S	0599	514	CARDIAC DEFIB IMPLANT W CARDIAC CATH (NO LONGER VALID)		
06	S	0601	155	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W/O CC	326	Stomach, esophageal & duodenal proc w MCC
06	S	0601	156	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE 0-17	327	Stomach, esophageal & duodenal proc w CC
06	S	0601	567	STOMACH, ESOPHAGEAL & DUODENAL PROC AGE > 17 W CC W MAJOR GI DX	328	Stomach, esophageal & duodenal proc w/o CC/MCC
06	S	0601	568	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES PROC AGE > 17 W CC W/O MAJOR GI DX	328	Stomach, esophageal & duodenal proc w/o CC/MCC
06	S	0601	154	STOMACH, ESOPHAGEAL & DUODENAL PROCEDURES AGE >17 W CC (NO LONGER VALID)		
06	S	0602	149	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC	329	Major small & large bowel procedures w MCC
06	S	0602	569	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC W MAJOR GI DX	330	Major small & large bowel procedures w CC
06	S	0602	570	MAJOR SMALL & LARGE BOWEL PROCEDURES	331	Major small & large bowel procedures w/o CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
				W CC W/O MAJOR GI DX		
06	S	0602	148	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC (NO LONGER VALID)		
06	S	0603	146	RECTAL RESECTION W CC	332	Rectal resection w MCC
06	S	0603	147	RECTAL RESECTION W/O CC	333	Rectal resection w CC
06	S	0603	147	RECTAL RESECTION W/O CC	334	Rectal resection w/o CC/MCC
06	S	0604	150	PERITONEAL ADHESIOLYSIS W CC	335	Peritoneal adhesiolysis w MCC
06	S	0604	151	PERITONEAL ADHESIOLYSIS W/O CC	336	Peritoneal adhesiolysis w CC
06	S	0604	151	PERITONEAL ADHESIOLYSIS W/O CC	337	Peritoneal adhesiolysis w/o CC/MCC
06	S	0605	164	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W CC	338	Appendectomy w complicated principal diag w MCC
06	S	0605	165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	339	Appendectomy w complicated principal diag w CC
06	S	0605	165	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC	340	Appendectomy w complicated principal diag w/o CC/MCC
06	S	0606	166	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W CC	341	Appendectomy w/o complicated principal diag w MCC
06	S	0606	167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	342	Appendectomy w/o complicated principal diag w CC
06	S	0606	167	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC	343	Appendectomy w/o complicated principal diag w/o CC/MCC
06	S	0607	152	MINOR SMALL & LARGE BOWEL PROCEDURES W CC	344	Minor small & large bowel procedures w MCC
06	S	0607	153	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC	345	Minor small & large bowel procedures w CC
06	S	0607	153	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC	346	Minor small & large bowel procedures w/o CC/MCC
06	S	0608	157	ANAL & STOMAL PROCEDURES W CC	347	Anal & stomal procedures w MCC
06	S	0608	158	ANAL & STOMAL PROCEDURES W/O CC	348	Anal & stomal procedures w CC
06	S	0608	158	ANAL & STOMAL PROCEDURES W/O CC	349	Anal & stomal procedures w/o CC/MCC
06	S	0609	161	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W CC	350	Inguinal & femoral hernia procedures w MCC
06	S	0609	162	INGUINAL & FEMORAL HERNIA PROCEDURES AGE >17 W/O CC	351	Inguinal & femoral hernia procedures w CC
06	S	0609	163	HERNIA PROCEDURES AGE 0-17	352	Inguinal & femoral hernia procedures w/o CC/MCC
06	S	0610	159	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W CC	353	Hernia procedures except inguinal & femoral w MCC
06	S	0610	160	HERNIA PROCEDURES EXCEPT INGUINAL &	354	Hernia procedures except inguinal & femoral w CC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
				FEMORAL AGE >17 W/O CC		
06	S	0610	160	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL AGE >17 W/O CC	355	Hernia procedures except inguinal & femoral w/o CC/MCC
06	S	0611	170	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W CC	356	Other digestive system O.R. procedures w MCC
06	S	0611	171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	357	Other digestive system O.R. procedures w CC
06	S	0611	171	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC	358	Other digestive system O.R. procedures w/o CC/MCC
06	M	0612	571	MAJOR ESOPHAGEAL DISORDERS	368	Major esophageal disorders w MCC
06	M	0612	571	MAJOR ESOPHAGEAL DISORDERS	369	Major esophageal disorders w CC
06	M	0612	571	MAJOR ESOPHAGEAL DISORDERS	370	Major esophageal disorders w/o CC/MCC
06	M	0613	572	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS	371	Major gastrointestinal disorders & peritoneal infections w MCC
06	M	0613	572	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS	372	Major gastrointestinal disorders & peritoneal infections w CC
06	M	0613	572	MAJOR GASTROINTESTINAL DISORDERS AND PERITONEAL INFECTIONS	373	Major gastrointestinal disorders & peritoneal infections w/o CC/MCC
06	M	0614	172	DIGESTIVE MALIGNANCY W CC	374	Digestive malignancy w MCC
06	M	0614	173	DIGESTIVE MALIGNANCY W/O CC	375	Digestive malignancy w CC
06	M	0614	173	DIGESTIVE MALIGNANCY W/O CC	376	Digestive malignancy w/o CC/MCC
06	M	0615	174	G.I. HEMORRHAGE W CC	377	G.I. hemorrhage w MCC
06	M	0615	175	G.I. HEMORRHAGE W/O CC	378	G.I. hemorrhage w CC
06	M	0615	175	G.I. HEMORRHAGE W/O CC	379	G.I. hemorrhage w/o CC/MCC
06	M	0616	176	COMPLICATED PEPTIC ULCER	380	Complicated peptic ulcer w MCC
06	M	0616	176	COMPLICATED PEPTIC ULCER	381	Complicated peptic ulcer w CC
06	M	0616	176	COMPLICATED PEPTIC ULCER	382	Complicated peptic ulcer w/o CC/MCC
06	M	0617	177	UNCOMPLICATED PEPTIC ULCER W CC	383	Uncomplicated peptic ulcer w MCC
06	M	0617	178	UNCOMPLICATED PEPTIC ULCER W/O CC	384	Uncomplicated peptic ulcer w/o MCC
06	M	0618	179	INFLAMMATORY BOWEL DISEASE	385	Inflammatory bowel disease w MCC
06	M	0618	179	INFLAMMATORY BOWEL DISEASE	386	Inflammatory bowel disease w CC
06	M	0618	179	INFLAMMATORY BOWEL DISEASE	387	Inflammatory bowel disease w/o CC/MCC
06	M	0619	180	G.I. OBSTRUCTION W CC	388	G.I. obstruction w MCC
06	M	0619	181	G.I. OBSTRUCTION W/O CC	389	G.I. obstruction w CC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
06	M	0619	181	G.I. OBSTRUCTION W/O CC	390	G.I. obstruction w/o CC/MCC
06	M	0620	182	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE >17 W CC	391	Esophagitis, gastroent & misc digest disorders w MCC
06	M	0620	183	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE >17 W/O CC	392	Esophagitis, gastroent & misc digest disorders w/o MCC
06	M	0620	184	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS AGE 0-17	392	Esophagitis, gastroent & misc digest disorders w/o MCC
06	M	0621	188	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W CC	393	Other digestive system diagnoses w MCC
06	M	0621	189	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE >17 W/O CC	394	Other digestive system diagnoses w CC
06	M	0621	190	OTHER DIGESTIVE SYSTEM DIAGNOSES AGE 0-17	395	Other digestive system diagnoses w/o CC/MCC
07	S	0701	191	PANCREAS, LIVER & SHUNT PROCEDURES W CC	405	Pancreas, liver & shunt procedures w MCC
07	S	0701	192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	406	Pancreas, liver & shunt procedures w CC
07	S	0701	192	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC	407	Pancreas, liver & shunt procedures w/o CC/MCC
07	S	0702	193	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W CC	408	Biliary tract proc except only cholecyst w or w/o c.d.e. w MCC
07	S	0702	194	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W/O CC	409	Biliary tract proc except only cholecyst w or w/o c.d.e. w CC
07	S	0702	194	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W/O CC	410	Biliary tract proc except only cholecyst w or w/o c.d.e. w/o CC/MCC
07	S	0703	195	CHOLECYSTECTOMY W C.D.E. W CC	411	Cholecystectomy w c.d.e. w MCC
07	S	0703	196	CHOLECYSTECTOMY W C.D.E. W/O CC	412	Cholecystectomy w c.d.e. w CC
07	S	0703	196	CHOLECYSTECTOMY W C.D.E. W/O CC	413	Cholecystectomy w c.d.e. w/o CC/MCC
07	S	0704	197	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W CC	414	Cholecystectomy except by laparoscope w/o c.d.e. w MCC
07	S	0704	198	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W/O CC	415	Cholecystectomy except by laparoscope w/o c.d.e. w CC
07	S	0704	198	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W/O CC	416	Cholecystectomy except by laparoscope w/o c.d.e. w/o CC/MCC
07	S	0705	493	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W CC	417	Laparoscopic cholecystectomy w/o c.d.e. w MCC
07	S	0705	494	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W/O CC	418	Laparoscopic cholecystectomy w/o c.d.e. w CC
07	S	0705	494	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W/O CC	419	Laparoscopic cholecystectomy w/o c.d.e. w/o CC/MCC
07	S	0706	199	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR MALIGNANCY	420	Hepatobiliary diagnostic procedures w MCC



**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
07	S	0706	200	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	421	Hepatobiliary diagnostic procedures w CC
07	S	0706	200	HEPATOBIILIARY DIAGNOSTIC PROCEDURE FOR NON-MALIGNANCY	422	Hepatobiliary diagnostic procedures w/o CC/MCC
07	S	0707	201	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES	423	Other hepatobiliary or pancreas O.R. procedures w MCC
07	S	0707	201	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES	424	Other hepatobiliary or pancreas O.R. procedures w CC
07	S	0707	201	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES	425	Other hepatobiliary or pancreas O.R. procedures w/o CC/MCC
07	M	0708	202	CIRRHOSIS & ALCOHOLIC HEPATITIS	432	Cirrhosis & alcoholic hepatitis w MCC
07	M	0708	202	CIRRHOSIS & ALCOHOLIC HEPATITIS	433	Cirrhosis & alcoholic hepatitis w CC
07	M	0708	202	CIRRHOSIS & ALCOHOLIC HEPATITIS	434	Cirrhosis & alcoholic hepatitis w/o CC/MCC
07	M	0709	203	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS	435	Malignancy of hepatobiliary system or pancreas w MCC
07	M	0709	203	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS	436	Malignancy of hepatobiliary system or pancreas w CC
07	M	0709	203	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS	437	Malignancy of hepatobiliary system or pancreas w/o CC/MCC
07	M	0710	204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	438	Disorders of pancreas except malignancy w MCC
07	M	0710	204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	439	Disorders of pancreas except malignancy w CC
07	M	0710	204	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	440	Disorders of pancreas except malignancy w/o CC/MCC
07	M	0711	205	DISORDERS OF LIVER EXCEPT MALIG,CIRR,ALC HEPA W CC	441	Disorders of liver except malig,cirr,alc hepa w MCC
07	M	0711	206	DISORDERS OF LIVER EXCEPT MALIG,CIRR,ALC HEPA W/O CC	442	Disorders of liver except malig,cirr,alc hepa w CC
07	M	0711	206	DISORDERS OF LIVER EXCEPT MALIG,CIRR,ALC HEPA W/O CC	443	Disorders of liver except malig,cirr,alc hepa w/o CC/MCC
07	M	0712	207	DISORDERS OF THE BILIARY TRACT W CC	444	Disorders of the biliary tract w MCC
07	M	0712	208	DISORDERS OF THE BILIARY TRACT W/O CC	445	Disorders of the biliary tract w CC
07	M	0712	208	DISORDERS OF THE BILIARY TRACT W/O CC	446	Disorders of the biliary tract w/o CC/MCC
08	S	0801	496	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION	453	Combined anterior/posterior spinal fusion w MCC
08	S	0801	496	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION	454	Combined anterior/posterior spinal fusion w CC
08	S	0801	496	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION	455	Combined anterior/posterior spinal fusion w/o CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
08	S	0802	546	SPINAL FUSION EXC CERV WITH CURVATURE OF THE SPINE OR MALIG	456	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w MCC
08	S	0802	546	SPINAL FUSION EXC CERV WITH CURVATURE OF THE SPINE OR MALIG	457	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w CC
08	S	0802	546	SPINAL FUSION EXC CERV WITH CURVATURE OF THE SPINE OR MALIG	458	Spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o CC/MCC
08	S	0803	497	SPINAL FUSION EXCEPT CERVICAL W CC	459	Spinal fusion except cervical w MCC
08	S	0803	498	SPINAL FUSION EXCEPT CERVICAL W/O CC	460	Spinal fusion except cervical w/o MCC
08	S	0804	471	BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMITY	461	Bilateral or multiple major joint procs of lower extremity w MCC
08	S	0804	471	BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMITY	462	Bilateral or multiple major joint procs of lower extremity w/o MCC
08	S	0805	217	WND DEBRID & SKN GRFT EXCEPT HAND, FOR MUSCSKELET & CONN TISS DIS	463	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w MCC
08	S	0805	217	WND DEBRID & SKN GRFT EXCEPT HAND, FOR MUSCSKELET & CONN TISS DIS	464	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w CC
08	S	0805	217	WND DEBRID & SKN GRFT EXCEPT HAND, FOR MUSCSKELET & CONN TISS DIS	465	Wnd debrid & skn grft exc hand, for musculo-conn tiss dis w/o CC/MCC
08	S	0806	545	REVISION OF HIP OR KNEE REPLACEMENT	466	Revision of hip or knee replacement w MCC
08	S	0806	545	REVISION OF HIP OR KNEE REPLACEMENT	467	Revision of hip or knee replacement w CC
08	S	0806	545	REVISION OF HIP OR KNEE REPLACEMENT	468	Revision of hip or knee replacement w/o CC/MCC
08	S	0807	544	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY	469	Major joint replacement or reattachment of lower extremity w MCC
08	S	0807	544	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY	470	Major joint replacement or reattachment of lower extremity w/o MCC
08	S	0808	519	CERVICAL SPINAL FUSION W CC	471	Cervical spinal fusion w MCC
08	S	0808	520	CERVICAL SPINAL FUSION W/O CC	472	Cervical spinal fusion w CC
08	S	0808	520	CERVICAL SPINAL FUSION W/O CC	473	Cervical spinal fusion w/o CC/MCC
08	S	0809	213	AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	474	Amputation for musculoskeletal sys & conn tissue dis w MCC
08	S	0809	213	AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	475	Amputation for musculoskeletal sys & conn tissue dis w CC
08	S	0809	213	AMPUTATION FOR MUSCULOSKELETAL SYSTEM & CONN TISSUE DISORDERS	476	Amputation for musculoskeletal sys & conn tissue dis w/o CC/MCC
08	S	0810	216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	477	Biopsies of musculoskeletal system & connective tissue w MCC
08	S	0810	216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	478	Biopsies of musculoskeletal system & connective tissue w CC
08	S	0810	216	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	479	Biopsies of musculoskeletal system & connective tissue w/o CC/MCC



**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
08	S	0811	210	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W CC	480	Hip & femur procedures except major joint w MCC
08	S	0811	211	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE >17 W/O CC	481	Hip & femur procedures except major joint w CC
08	S	0811	212	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT AGE 0-17	482	Hip & femur procedures except major joint w/o CC/MCC
08	S	0812	491	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY	483	Major joint & limb reattachment proc of upper extremity w CC/MCC
08	S	0812	491	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF UPPER EXTREMITY	484	Major joint & limb reattachment proc of upper extremity w/o CC/MCC
08	S	0813	501	KNEE PROCEDURES W PDX OF INFECTION W CC	485	Knee procedures w pdx of infection w MCC
08	S	0813	502	KNEE PROCEDURES W PDX OF INFECTION W/O CC	486	Knee procedures w pdx of infection w CC
08	S	0813	502	KNEE PROCEDURES W PDX OF INFECTION W/O CC	487	Knee procedures w pdx of infection w/o CC/MCC
08	S	0814	503	KNEE PROCEDURES W/O PDX OF INFECTION	488	Knee procedures w/o pdx of infection w CC/MCC
08	S	0814	503	KNEE PROCEDURES W/O PDX OF INFECTION	489	Knee procedures w/o pdx of infection w/o CC/MCC
08	S	0815	499	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W CC	490	Back & neck proc exc spinal fusion w CC/MCC or disc device/neurostim
08	S	0815	500	BACK & NECK PROCEDURES EXCEPT SPINAL FUSION W/O CC	491	Back & neck proc exc spinal fusion w/o CC/MCC
08	S	0816	218	LOWER EXTREM & HUMER PROC EXCEPT HIP,FOOT,FEMUR AGE >17 W CC	492	Lower extrem & humer proc except hip,foot,femur w MCC
08	S	0816	219	LOWER EXTREM & HUMER PROC EXCEPT HIP,FOOT,FEMUR AGE >17 W/O CC	493	Lower extrem & humer proc except hip,foot,femur w CC
08	S	0816	220	LOWER EXTREM & HUMER PROC EXCEPT HIP,FOOT,FEMUR AGE 0-17	494	Lower extrem & humer proc except hip,foot,femur w/o CC/MCC
08	S	0817	537	LOCAL EXCIS & REMOV OF INT FIX DEV EXCEPT HIP & FEMUR W CC	495	Local excision & removal int fix devices exc hip & femur w MCC
08	S	0817	538	LOCAL EXCIS & REMOV OF INT FIX DEV EXCEPT HIP & FEMUR W/O CC	496	Local excision & removal int fix devices exc hip & femur w CC
08	S	0817	538	LOCAL EXCIS & REMOV OF INT FIX DEV EXCEPT HIP & FEMUR W/O CC	497	Local excision & removal int fix devices exc hip & femur w/o CC/MCC
08	S	0818	230	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	498	Local excision & removal int fix devices of hip & femur w CC/MCC
08	S	0818	230	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES OF HIP & FEMUR	499	Local excision & removal int fix devices of hip & femur w/o CC/MCC
08	S	0819	226	SOFT TISSUE PROCEDURES W CC	500	Soft tissue procedures w MCC
08	S	0819	227	SOFT TISSUE PROCEDURES W/O CC	501	Soft tissue procedures w CC
08	S	0819	227	SOFT TISSUE PROCEDURES W/O CC	502	Soft tissue procedures w/o CC/MCC

**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
08	S	0820	225	FOOT PROCEDURES	503	Foot procedures w MCC
08	S	0820	225	FOOT PROCEDURES	504	Foot procedures w CC
08	S	0820	225	FOOT PROCEDURES	505	Foot procedures w/o CC/MCC
08	S	0821	228	MAJOR THUMB OR JOINT PROC,OR OTH HAND OR WRIST PROC W CC	506	Major thumb or joint procedures
08	S	0822	223	MAJOR SHOULDER/ELBOW PROC, OR OTHER UPPER EXTREMITY PROC W CC	507	Major shoulder or elbow joint procedures w CC/MCC
08	S	0822	223	MAJOR SHOULDER/ELBOW PROC, OR OTHER UPPER EXTREMITY PROC W CC	508	Major shoulder or elbow joint procedures w/o CC/MCC
08	S	0823	232	ARTHROSCOPY	509	Arthroscopy
08	S	0824	224	SHOULDER,ELBOW OR FOREARM PROC,EXC MAJOR JOINT PROC, W/O CC	510	Shoulder,elbow or forearm proc,exc major joint proc w MCC
08	S	0824	224	SHOULDER,ELBOW OR FOREARM PROC,EXC MAJOR JOINT PROC, W/O CC	511	Shoulder,elbow or forearm proc,exc major joint proc w CC
08	S	0824	224	SHOULDER,ELBOW OR FOREARM PROC,EXC MAJOR JOINT PROC, W/O CC	512	Shoulder,elbow or forearm proc,exc major joint proc w/o CC/MCC
08	S	0825	229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	513	Hand or wrist proc, except major thumb or joint proc w CC/MCC
08	S	0825	229	HAND OR WRIST PROC, EXCEPT MAJOR JOINT PROC, W/O CC	514	Hand or wrist proc, except major thumb or joint proc w/o CC/MCC
08	S	0826	233	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W CC	515	Other musculoskelet sys & conn tiss O.R. proc w MCC
08	S	0826	234	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W/O CC	516	Other musculoskelet sys & conn tiss O.R. proc w CC
08	S	0826	234	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W/O CC	517	Other musculoskelet sys & conn tiss O.R. proc w/o CC/MCC
08	M	0827	235	FRACTURES OF FEMUR	533	Fractures of femur w MCC
08	M	0827	235	FRACTURES OF FEMUR	534	Fractures of femur w/o MCC
08	M	0828	236	FRACTURES OF HIP & PELVIS	535	Fractures of hip & pelvis w MCC
08	M	0828	236	FRACTURES OF HIP & PELVIS	536	Fractures of hip & pelvis w/o MCC
08	M	0829	237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	537	Sprains, strains, & dislocations of hip, pelvis & thigh w CC/MCC
08	M	0829	237	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH	538	Sprains, strains, & dislocations of hip, pelvis & thigh w/o CC/MCC
08	M	0830	238	OSTEOMYELITIS	539	Osteomyelitis w MCC
08	M	0830	238	OSTEOMYELITIS	540	Osteomyelitis w CC
08	M	0830	238	OSTEOMYELITIS	541	Osteomyelitis w/o CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
08	M	0831	239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNANCY	542	Pathological fractures & musculoskelet & conn tiss malig w MCC
08	M	0831	239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNANCY	543	Pathological fractures & musculoskelet & conn tiss malig w CC
08	M	0831	239	PATHOLOGICAL FRACTURES & MUSCULOSKELETAL & CONN TISS MALIGNANCY	544	Pathological fractures & musculoskelet & conn tiss malig w/o CC/MCC
08	M	0832	240	CONNECTIVE TISSUE DISORDERS W CC	545	Connective tissue disorders w MCC
08	M	0832	241	CONNECTIVE TISSUE DISORDERS W/O CC	546	Connective tissue disorders w CC
08	M	0832	241	CONNECTIVE TISSUE DISORDERS W/O CC	547	Connective tissue disorders w/o CC/MCC
08	M	0833	242	SEPTIC ARTHRITIS	548	Septic arthritis w MCC
08	M	0833	242	SEPTIC ARTHRITIS	549	Septic arthritis w CC
08	M	0833	242	SEPTIC ARTHRITIS	550	Septic arthritis w/o CC/MCC
08	M	0834	243	MEDICAL BACK PROBLEMS	551	Medical back problems w MCC
08	M	0834	243	MEDICAL BACK PROBLEMS	552	Medical back problems w/o MCC
08	M	0835	244	BONE DISEASES & SPECIFIC ARTHROPATHIES W CC	553	Bone diseases & arthropathies w MCC
08	M	0835	245	BONE DISEASES & SPECIFIC ARTHROPATHIES W/O CC	554	Bone diseases & arthropathies w/o MCC
08	M	0835	246	NON-SPECIFIC ARTHROPATHIES	554	Bone diseases & arthropathies w/o MCC
08	M	0836	247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE	555	Signs & symptoms of musculoskeletal system & conn tissue w MCC
08	M	0836	247	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE	556	Signs & symptoms of musculoskeletal system & conn tissue w/o MCC
08	M	0837	248	TENDONITIS, MYOSITIS & BURSITIS	557	Tendonitis, myositis & bursitis w MCC
08	M	0837	248	TENDONITIS, MYOSITIS & BURSITIS	558	Tendonitis, myositis & bursitis w/o MCC
08	M	0838	249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	559	Aftercare, musculoskeletal system & connective tissue w MCC
08	M	0838	249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	560	Aftercare, musculoskeletal system & connective tissue w CC
08	M	0838	249	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE	561	Aftercare, musculoskeletal system & connective tissue w/o CC/MCC
08	M	0839	250	FX, SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W CC	562	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w MCC
08	M	0839	251	FX, SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE >17 W/O CC	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
08	M	0839	252	FX, SPRN, STRN & DISL OF FOREARM, HAND, FOOT AGE 0-17	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
08	M	0839	253	FX, SPRN, STRN & DISL OF UPARM,LOWLEG EX FOOT AGE >17 W CC	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
08	M	0839	254	FX, SPRN, STRN & DISL OF UPARM,LOWLEG EX FOOT AGE >17 W/O CC	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
08	M	0839	255	FX, SPRN, STRN & DISL OF UPARM,LOWLEG EX FOOT AGE 0-17	563	Fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o MCC
08	M	0840	256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	564	Other musculoskeletal sys & connective tissue diagnoses w MCC
08	M	0840	256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	565	Other musculoskeletal sys & connective tissue diagnoses w CC
08	M	0840	256	OTHER MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE DIAGNOSES	566	Other musculoskeletal sys & connective tissue diagnoses w/o CC/MCC
08	S	0899	209	MAJOR JOINT & LIMB REATTACHMENT PROCEDURES OF LOWER EXTR		
08	S	0899	214	BACK & NECK PROC W CC (NO LONGER VALID)		
08	S	0899	215	BACK & NECK PROC WO CC (NO LONGER VALID)		
08	S	0899	221	KNEE PROC W CC (NO LONGER VALID)		
08	S	0899	222	KNEE PROC WO CC (NO LONGER VALID)		
08	S	0899	231	LOCAL EXCISION & REMOVAL OF INT FIX DEVICES EXCEPT HIP &		
09	S	0901	263	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W CC	573	Skin graft &/or debrid for skn ulcer or cellulitis w MCC
09	S	0901	264	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W/O CC	574	Skin graft &/or debrid for skn ulcer or cellulitis w CC
09	S	0901	264	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W/O CC	575	Skin graft &/or debrid for skn ulcer or cellulitis w/o CC/MCC
09	S	0902	265	SKIN GRAFT &/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W CC	576	Skin graft &/or debrid exc for skin ulcer or cellulitis w MCC
09	S	0902	266	SKIN GRAFT &/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/O CC	577	Skin graft &/or debrid exc for skin ulcer or cellulitis w CC
09	S	0902	266	SKIN GRAFT &/OR DEBRID EXCEPT FOR SKIN ULCER OR CELLULITIS W/O CC	578	Skin graft &/or debrid exc for skin ulcer or cellulitis w/o CC/MCC
09	S	0903	267	PERIANAL & PILONIDAL PROCEDURES	579	Other skin, subcut tiss & breast proc w MCC
09	S	0903	268	SKIN, SUBCUTANEOUS TISSUE & BREAST PLASTIC PROCEDURES	580	Other skin, subcut tiss & breast proc w CC
09	S	0903	269	OTHER SKIN, SUBCUT TISS & BREAST PROC W CC	581	Other skin, subcut tiss & breast proc w/o CC/MCC
09	S	0903	270	OTHER SKIN, SUBCUT TISS & BREAST PROC W/O CC	581	Other skin, subcut tiss & breast proc w/o CC/MCC
09	S	0904	257	TOTAL MASTECTOMY FOR MALIGNANCY W CC	582	Mastectomy for malignancy w CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
09	S	0904	258	TOTAL MASTECTOMY FOR MALIGNANCY W/O CC	583	Mastectomy for malignancy w/o CC/MCC
09	S	0905	259	SUBTOTAL MASTECTOMY FOR MALIGNANCY W CC	584	Breast biopsy, local excision & other breast procedures w CC/MCC
09	S	0905	260	SUBTOTAL MASTECTOMY FOR MALIGNANCY W/O CC	585	Breast biopsy, local excision & other breast procedures w/o CC/MCC
09	S	0905	261	BREAST PROC FOR NON-MALIGNANCY EXCEPT BIOPSY & LOCAL EXCISION	585	Breast biopsy, local excision & other breast procedures w/o CC/MCC
09	S	0905	262	BREAST BIOPSY & LOCAL EXCISION FOR NON-MALIGNANCY	585	Breast biopsy, local excision & other breast procedures w/o CC/MCC
09	M	0906	271	SKIN ULCERS	592	Skin ulcers w MCC
09	M	0906	271	SKIN ULCERS	593	Skin ulcers w CC
09	M	0906	271	SKIN ULCERS	594	Skin ulcers w/o CC/MCC
09	M	0907	272	MAJOR SKIN DISORDERS W CC	595	Major skin disorders w MCC
09	M	0907	273	MAJOR SKIN DISORDERS W/O CC	596	Major skin disorders w/o MCC
09	M	0908	274	MALIGNANT BREAST DISORDERS W CC	597	Malignant breast disorders w MCC
09	M	0908	275	MALIGNANT BREAST DISORDERS W/O CC	598	Malignant breast disorders w CC
09	M	0908	275	MALIGNANT BREAST DISORDERS W/O CC	599	Malignant breast disorders w/o CC/MCC
09	M	0909	276	NON-MALIGANT BREAST DISORDERS	600	Non-malignant breast disorders w CC/MCC
09	M	0909	276	NON-MALIGANT BREAST DISORDERS	601	Non-malignant breast disorders w/o CC/MCC
09	M	0910	277	CELLULITIS AGE >17 W CC	602	Cellulitis w MCC
09	M	0910	278	CELLULITIS AGE >17 W/O CC	603	Cellulitis w/o MCC
09	M	0910	279	CELLULITIS AGE 0-17	603	Cellulitis w/o MCC
09	M	0911	280	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W CC	604	Trauma to the skin, subcut tiss & breast w MCC
09	M	0911	281	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE >17 W/O CC	605	Trauma to the skin, subcut tiss & breast w/o MCC
09	M	0911	282	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST AGE 0-17	605	Trauma to the skin, subcut tiss & breast w/o MCC
09	M	0912	283	MINOR SKIN DISORDERS W CC	606	Minor skin disorders w MCC
09	M	0912	284	MINOR SKIN DISORDERS W/O CC	607	Minor skin disorders w/o MCC
10	S	1001	286	ADRENAL & PITUITARY PROCEDURES	614	Adrenal & pituitary procedures w CC/MCC
10	S	1001	286	ADRENAL & PITUITARY PROCEDURES	615	Adrenal & pituitary procedures w/o CC/MCC
10	S	1002	285	AMPUTAT OF LOWER LIMB FOR ENDOCRINE,NUTRIT,& METABOL DISORDERS	616	Amputat of lower limb for endocrine,nutrit,& metabol dis w MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
10	S	1002	285	AMPUTAT OF LOWER LIMB FOR ENDOCRINE,NUTRIT,& METABOL DISORDERS	617	Amputat of lower limb for endocrine,nutrit,& metabol dis w CC
10	S	1002	285	AMPUTAT OF LOWER LIMB FOR ENDOCRINE,NUTRIT,& METABOL DISORDERS	618	Amputat of lower limb for endocrine,nutrit,& metabol dis w/o CC/MCC
10	S	1003	288	O.R. PROCEDURES FOR OBESITY	619	O.R. procedures for obesity w MCC
10	S	1003	288	O.R. PROCEDURES FOR OBESITY	620	O.R. procedures for obesity w CC
10	S	1003	288	O.R. PROCEDURES FOR OBESITY	621	O.R. procedures for obesity w/o CC/MCC
10	S	1004	287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	622	Skin grafts & wound debrid for endoc, nutrit & metab dis w MCC
10	S	1004	287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	623	Skin grafts & wound debrid for endoc, nutrit & metab dis w CC
10	S	1004	287	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DISORDERS	624	Skin grafts & wound debrid for endoc, nutrit & metab dis w/o CC/MCC
10	S	1005	289	PARATHYROID PROCEDURES	625	Thyroid, parathyroid & thyroglossal procedures w MCC
10	S	1005	290	THYROID PROCEDURES	626	Thyroid, parathyroid & thyroglossal procedures w CC
10	S	1005	291	THYROGLOSSAL PROCEDURES	627	Thyroid, parathyroid & thyroglossal procedures w/o CC/MCC
10	S	1006	292	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W CC	628	Other endocrine, nutrit & metab O.R. proc w MCC
10	S	1006	293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC	629	Other endocrine, nutrit & metab O.R. proc w CC
10	S	1006	293	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC	630	Other endocrine, nutrit & metab O.R. proc w/o CC/MCC
10	M	1007	294	DIABETES AGE >35	637	Diabetes w MCC
10	M	1007	295	DIABETES AGE 0-35	638	Diabetes w CC
10	M	1007	295	DIABETES AGE 0-35	639	Diabetes w/o CC/MCC
10	M	1008	296	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W CC	640	Nutritional & misc metabolic disorders w MCC
10	M	1008	297	NUTRITIONAL & MISC METABOLIC DISORDERS AGE >17 W/O CC	641	Nutritional & misc metabolic disorders w/o MCC
10	M	1008	298	NUTRITIONAL & MISC METABOLIC DISORDERS AGE 0-17	641	Nutritional & misc metabolic disorders w/o MCC
10	M	1009	299	INBORN ERRORS OF METABOLISM	642	Inborn errors of metabolism
10	M	1010	300	ENDOCRINE DISORDERS W CC	643	Endocrine disorders w MCC
10	M	1010	301	ENDOCRINE DISORDERS W/O CC	644	Endocrine disorders w CC
10	M	1010	301	ENDOCRINE DISORDERS W/O CC	645	Endocrine disorders w/o CC/MCC
11	S	1101	302	KIDNEY TRANSPLANT	652	Kidney transplant



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
11	S	1102	573	MAJOR BLADDER PROCEDURES	653	Major bladder procedures w MCC
11	S	1102	573	MAJOR BLADDER PROCEDURES	654	Major bladder procedures w CC
11	S	1102	573	MAJOR BLADDER PROCEDURES	655	Major bladder procedures w/o CC/MCC
11	S	1103	303	KIDNEY AND URETER PROCEDURES FOR NEOPLASM	656	Kidney & ureter procedures for neoplasm w MCC
11	S	1103	303	KIDNEY AND URETER PROCEDURES FOR NEOPLASM	657	Kidney & ureter procedures for neoplasm w CC
11	S	1103	303	KIDNEY AND URETER PROCEDURES FOR NEOPLASM	658	Kidney & ureter procedures for neoplasm w/o CC/MCC
11	S	1104	304	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITHOUT CC	659	Kidney & ureter procedures for non-neoplasm w MCC
11	S	1104	305	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITHOUT CC	660	Kidney & ureter procedures for non-neoplasm w CC
11	S	1104	305	KIDNEY AND URETER PROCEDURES FOR NON-NEOPLASM WITHOUT CC	661	Kidney & ureter procedures for non-neoplasm w/o CC/MCC
11	S	1105	308	MINOR BLADDER PROCEDURES W CC	662	Minor bladder procedures w MCC
11	S	1105	309	MINOR BLADDER PROCEDURES W/O CC	663	Minor bladder procedures w CC
11	S	1105	309	MINOR BLADDER PROCEDURES W/O CC	664	Minor bladder procedures w/o CC/MCC
11	S	1106	306	PROSTATECTOMY W CC	665	Prostatectomy w MCC
11	S	1106	307	PROSTATECTOMY W/O CC	666	Prostatectomy w CC
11	S	1106	307	PROSTATECTOMY W/O CC	667	Prostatectomy w/o CC/MCC
11	S	1107	310	TRANSURETHRAL PROCEDURES W CC	668	Transurethral procedures w MCC
11	S	1107	311	TRANSURETHRAL PROCEDURES W/O CC	669	Transurethral procedures w CC
11	S	1107	311	TRANSURETHRAL PROCEDURES W/O CC	670	Transurethral procedures w/o CC/MCC
11	S	1108	312	URETHRAL PROCEDURES, AGE >17 W CC	671	Urethral procedures w CC/MCC
11	S	1108	313	URETHRAL PROCEDURES, AGE >17 W/O CC	672	Urethral procedures w/o CC/MCC
11	S	1108	314	URETHRAL PROCEDURES, AGE 0-17	672	Urethral procedures w/o CC/MCC
11	S	1109	315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	673	Other kidney & urinary tract procedures w MCC
11	S	1109	315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	674	Other kidney & urinary tract procedures w CC
11	S	1109	315	OTHER KIDNEY & URINARY TRACT O.R. PROCEDURES	675	Other kidney & urinary tract procedures w/o CC/MCC
11	M	1110	316	RENAL FAILURE	682	Renal failure w MCC
11	M	1110	316	RENAL FAILURE	683	Renal failure w CC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
11	M	1110	316	RENAL FAILURE	684	Renal failure w/o CC/MCC
11	M	1111	317	ADMIT FOR RENAL DIALYSIS	685	Admit for renal dialysis
11	M	1112	318	KIDNEY & URINARY TRACT NEOPLASMS W CC	686	Kidney & urinary tract neoplasms w MCC
11	M	1112	319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	687	Kidney & urinary tract neoplasms w CC
11	M	1112	319	KIDNEY & URINARY TRACT NEOPLASMS W/O CC	688	Kidney & urinary tract neoplasms w/o CC/MCC
11	M	1113	320	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W CC	689	Kidney & urinary tract infections w MCC
11	M	1113	321	KIDNEY & URINARY TRACT INFECTIONS AGE >17 W/O CC	690	Kidney & urinary tract infections w/o MCC
11	M	1113	322	KIDNEY & URINARY TRACT INFECTIONS AGE 0-17	690	Kidney & urinary tract infections w/o MCC
11	M	1114	323	URINARY STONES W CC, &/OR ESW LITHOTRIPTY	691	Urinary stones w esw lithotripsy w CC/MCC
11	M	1114	323	URINARY STONES W CC, &/OR ESW LITHOTRIPTY	692	Urinary stones w esw lithotripsy w/o CC/MCC
11	M	1115	324	URINARY STONES W/O CC	693	Urinary stones w/o esw lithotripsy w MCC
11	M	1115	324	URINARY STONES W/O CC	694	Urinary stones w/o esw lithotripsy w/o MCC
11	M	1116	325	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W CC	695	Kidney & urinary tract signs & symptoms w MCC
11	M	1116	326	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE >17 W/O CC	696	Kidney & urinary tract signs & symptoms w/o MCC
11	M	1116	327	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS AGE 0-17	696	Kidney & urinary tract signs & symptoms w/o MCC
11	M	1117	328	URETHRAL STRICTURE AGE >17 W CC	697	Urethral stricture
11	M	1117	329	URETHRAL STRICTURE AGE >17 W/O CC	697	Urethral stricture
11	M	1117	330	URETHRAL STRICTURE AGE 0-17	697	Urethral stricture
11	M	1118	331	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W CC	698	Other kidney & urinary tract diagnoses w MCC
11	M	1118	332	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE >17 W/O CC	699	Other kidney & urinary tract diagnoses w CC
11	M	1118	333	OTHER KIDNEY & URINARY TRACT DIAGNOSES AGE 0-17	700	Other kidney & urinary tract diagnoses w/o CC/MCC
12	S	1201	334	MAJOR MALE PELVIC PROCEDURES W CC	707	Major male pelvic procedures w CC/MCC
12	S	1201	335	MAJOR MALE PELVIC PROCEDURES W/O CC	708	Major male pelvic procedures w/o CC/MCC
12	S	1202	341	PENIS PROCEDURES	709	Penis procedures w CC/MCC
12	S	1202	341	PENIS PROCEDURES	710	Penis procedures w/o CC/MCC



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
12	S	1203	338	TESTES PROCEDURES, FOR MALIGNANCY	711	Testes procedures w CC/MCC
12	S	1203	339	TESTES PROCEDURES, NON-MALIGNANCY AGE >17	712	Testes procedures w/o CC/MCC
12	S	1203	340	TESTES PROCEDURES, NON-MALIGNANCY AGE 0-17	712	Testes procedures w/o CC/MCC
12	S	1204	336	TRANSURETHRAL PROSTATECTOMY W CC	713	Transurethral prostatectomy w CC/MCC
12	S	1204	337	TRANSURETHRAL PROSTATECTOMY W/O CC	714	Transurethral prostatectomy w/o CC/MCC
12	S	1205	344	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY	715	Other male reproductive system O.R. proc for malignancy w CC/MCC
12	S	1205	344	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROCEDURES FOR MALIGNANCY	716	Other male reproductive system O.R. proc for malignancy w/o CC/MCC
12	S	1206	345	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT FOR MALIGNANCY	717	Other male reproductive system O.R. proc exc malignancy w CC/MCC
12	S	1206	345	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXCEPT FOR MALIGNANCY	718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
12	S	1206	342	CIRCUMCISION AGE >17	718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
12	S	1206	343	CIRCUMCISION AGE 0-17	718	Other male reproductive system O.R. proc exc malignancy w/o CC/MCC
12	M	1207	346	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W CC	722	Malignancy, male reproductive system w MCC
12	M	1207	347	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	723	Malignancy, male reproductive system w CC
12	M	1207	347	MALIGNANCY, MALE REPRODUCTIVE SYSTEM, W/O CC	724	Malignancy, male reproductive system w/o CC/MCC
12	M	1208	348	BENIGN PROSTATIC HYPERTROPHY W CC	725	Benign prostatic hypertrophy w MCC
12	M	1208	349	BENIGN PROSTATIC HYPERTROPHY W/O CC	726	Benign prostatic hypertrophy w/o MCC
12	M	1209	350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	727	Inflammation of the male reproductive system w MCC
12	M	1209	350	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM	728	Inflammation of the male reproductive system w/o MCC
12	M	1210	351	STERILIZATION, MALE	729	Other male reproductive system diagnoses w CC/MCC
12	M	1210	352	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES	730	Other male reproductive system diagnoses w/o CC/MCC
13	S	1301	353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULVECTOMY	734	Pelvic evisceration, rad hysterectomy & rad vulvectomy w CC/MCC
13	S	1301	353	PELVIC EVISCERATION, RADICAL HYSTERECTOMY & RADICAL VULVECTOMY	735	Pelvic evisceration, rad hysterectomy & rad vulvectomy w/o CC/MCC
13	S	1302	357	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY	736	Uterine & adnexa proc for ovarian or adnexal malignancy w MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
13	S	1302	357	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY	737	Uterine & adnexa proc for ovarian or adnexal malignancy w CC
13	S	1302	357	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY	738	Uterine & adnexa proc for ovarian or adnexal malignancy w/o CC/MCC
13	S	1303	354	UTERINE,ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W CC	739	Uterine,adnexa proc for non-ovarian/adnexal malig w MCC
13	S	1303	355	UTERINE,ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W/O CC	740	Uterine,adnexa proc for non-ovarian/adnexal malig w CC
13	S	1303	355	UTERINE,ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W/O CC	741	Uterine,adnexa proc for non-ovarian/adnexal malig w/o CC/MCC
13	S	1304	358	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC	742	Uterine & adnexa proc for non-malignancy w CC/MCC
13	S	1304	359	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W/O CC	743	Uterine & adnexa proc for non-malignancy w/o CC/MCC
13	S	1305	361	LAPAROSCOPY & INCISIONAL TUBAL INTERRUPTION	744	D&C, conization, laparoscopy & tubal interruption w CC/MCC
13	S	1305	362	ENDOSCOPIC TUBAL INTERRUPTION	745	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC
13	S	1305	363	D&C, CONIZATION & RADIO-IMPLANT, FOR MALIGNANCY	745	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC
13	S	1305	364	D&C, CONIZATION EXCEPT FOR MALIGNANCY	745	D&C, conization, laparoscopy & tubal interruption w/o CC/MCC
13	S	1306	360	VAGINA, CERVIX & VULVA PROCEDURES	746	Vagina, cervix & vulva procedures w CC/MCC
13	S	1306	360	VAGINA, CERVIX & VULVA PROCEDURES	747	Vagina, cervix & vulva procedures w/o CC/MCC
13	S	1307	356	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES	748	Female reproductive system reconstructive procedures
13	S	1308	365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	749	Other female reproductive system O.R. procedures w CC/MCC
13	S	1308	365	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES	750	Other female reproductive system O.R. procedures w/o CC/MCC
13	M	1309	366	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W CC	754	Malignancy, female reproductive system w MCC
13	M	1309	367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	755	Malignancy, female reproductive system w CC
13	M	1309	367	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC	756	Malignancy, female reproductive system w/o CC/MCC
13	M	1310	368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	757	Infections, female reproductive system w MCC
13	M	1310	368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	758	Infections, female reproductive system w CC
13	M	1310	368	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM	759	Infections, female reproductive system w/o CC/MCC
13	M	1311	369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	760	Menstrual & other female reproductive system disorders w CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
13	M	1311	369	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS	761	Menstrual & other female reproductive system disorders w/o CC/MCC
14	S	1401	370	CESAREAN SECTION W CC	765	Cesarean section w CC/MCC
14	S	1401	371	CESAREAN SECTION W/O CC	766	Cesarean section w/o CC/MCC
14	S	1402	374	VAGINAL DELIVERY W STERILIZATION &/OR D&C	767	Vaginal delivery w sterilization &/or D&C
14	S	1402	375	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C	768	Vaginal delivery w O.R. proc except steril &/or D&C
14	S	1403	377	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE	769	Postpartum & post abortion diagnoses w O.R. procedure
14	S	1404	381	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY	770	Abortion w D&C, aspiration curettage or hysterotomy
14	M	1405	372	VAGINAL DELIVERY W COMPLICATING DIAGNOSES	774	Vaginal delivery w complicating diagnoses
14	M	1405	373	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES	775	Vaginal delivery w/o complicating diagnoses
14	M	1406	376	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE	776	Postpartum & post abortion diagnoses w/o O.R. procedure
14	M	1407	378	ECTOPIC PREGNANCY	777	Ectopic pregnancy
14	M	1408	379	THREATENED ABORTION	778	Threatened abortion
14	M	1409	380	ABORTION W/O D&C	779	Abortion w/o D&C
14	M	1410	382	FALSE LABOR	780	False labor
14	M	1411	383	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS	781	Other antepartum diagnoses w medical complications
14	M	1412	384	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS	782	Other antepartum diagnoses w/o medical complications
15	M	1501	385	NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY	789	Neonates, died or transferred to another acute care facility
15	M	1502	386	EXTREME IMMATURETY OR RESPIRATORY DISTRESS SYNDROME, NEONATE	790	Extreme immaturity or respiratory distress syndrome, neonate
15	M	1503	387	PREMATURITY W MAJOR PROBLEMS	791	Prematurity w major problems
15	M	1504	388	PREMATURITY W/O MAJOR PROBLEMS	792	Prematurity w/o major problems
15	M	1505	389	FULL TERM NEONATE W MAJOR PROBLEMS	793	Full term neonate w major problems
15	M	1506	390	NEONATE W OTHER SIGNIFICANT PROBLEMS	794	Neonate w other significant problems
15	M	1507	391	NORMAL NEWBORN	795	Normal newborn
16	S	1601	392	SPLENECTOMY AGE >17	799	Splenectomy w MCC
16	S	1601	393	SPLENECTOMY AGE 0-17	800	Splenectomy w CC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
16	S	1601	393	SPLENECTOMY AGE 0-17	801	Splenectomy w/o CC/MCC
16	S	1602	394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	802	Other O.R. proc of the blood & blood forming organs w MCC
16	S	1602	394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	803	Other O.R. proc of the blood & blood forming organs w CC
16	S	1602	394	OTHER O.R. PROCEDURES OF THE BLOOD AND BLOOD FORMING ORGANS	804	Other O.R. proc of the blood & blood forming organs w/o CC/MCC
16	M	1603	574	MAJOR HEMATOLOGIC/IMMUNOLOGIC DIAG EXC SICKLE CELL CRISIS & COAGUL	808	Major hematol/immun diag exc sickle cell crisis & coagul w MCC
16	M	1603	574	MAJOR HEMATOLOGIC/IMMUNOLOGIC DIAG EXC SICKLE CELL CRISIS & COAGUL	809	Major hematol/immun diag exc sickle cell crisis & coagul w CC
16	M	1603	574	MAJOR HEMATOLOGIC/IMMUNOLOGIC DIAG EXC SICKLE CELL CRISIS & COAGUL	810	Major hematol/immun diag exc sickle cell crisis & coagul w/o CC/MCC
16	M	1604	395	RED BLOOD CELL DISORDERS AGE >17	811	Red blood cell disorders w MCC
16	M	1604	396	RED BLOOD CELL DISORDERS AGE 0-17	812	Red blood cell disorders w/o MCC
16	M	1605	397	COAGULATION DISORDERS	813	Coagulation disorders
16	M	1606	398	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W CC	814	Reticuloendothelial & immunity disorders w MCC
16	M	1606	399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	815	Reticuloendothelial & immunity disorders w CC
16	M	1606	399	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC	816	Reticuloendothelial & immunity disorders w/o CC/MCC
17	S	1707	539	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W CC	820	Lymphoma & leukemia w major O.R. procedure w MCC
17	S	1707	540	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W/O CC	821	Lymphoma & leukemia w major O.R. procedure w CC
17	S	1707	540	LYMPHOMA & LEUKEMIA W MAJOR OR PROCEDURE W/O CC	822	Lymphoma & leukemia w major O.R. procedure w/o CC/MCC
17	S	1708	401	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W CC	823	Lymphoma & non-acute leukemia w other O.R. proc w MCC
17	S	1708	402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W/O CC	824	Lymphoma & non-acute leukemia w other O.R. proc w CC
17	S	1708	402	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W/O CC	825	Lymphoma & non-acute leukemia w other O.R. proc w/o CC/MCC
17	S	1709	406	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R.PROC W CC	826	Myeloprolif disord or poorly diff neopl w maj O.R. proc w MCC
17	S	1709	407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R.PROC W/O CC	827	Myeloprolif disord or poorly diff neopl w maj O.R. proc w CC
17	S	1709	407	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R.PROC W/O CC	828	Myeloprolif disord or poorly diff neopl w maj O.R. proc w/o CC/MCC

**Patient Safety Indicators (PSI)  
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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
17	S	1710	408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R.PROC	829	Myeloprolif disord or poorly diff neopl w other O.R. proc w CC/MCC
17	S	1710	408	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R.PROC	830	Myeloprolif disord or poorly diff neopl w other O.R. proc w/o CC/MCC
17	M	1711	405	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE 0-17	834	Acute leukemia w/o major O.R. procedure w MCC
17	M	1711	473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE >17	835	Acute leukemia w/o major O.R. procedure w CC
17	M	1711	473	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE AGE >17	836	Acute leukemia w/o major O.R. procedure w/o CC/MCC
17	M	1712	492	CHEMOTHERAPY W ACUTE LEUKEMIA OR W USE OF HI DOSE CHEMOAGENT	837	Chemo w acute leukemia as sdx or w high dose chemo agent w MCC
17	M	1712	492	CHEMOTHERAPY W ACUTE LEUKEMIA OR W USE OF HI DOSE CHEMOAGENT	838	Chemo w acute leukemia as sdx w CC or high dose chemo agent
17	M	1712	492	CHEMOTHERAPY W ACUTE LEUKEMIA OR W USE OF HI DOSE CHEMOAGENT	839	Chemo w acute leukemia as sdx w/o CC/MCC
17	M	1713	403	LYMPHOMA & NON-ACUTE LEUKEMIA W CC	840	Lymphoma & non-acute leukemia w MCC
17	M	1713	404	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	841	Lymphoma & non-acute leukemia w CC
17	M	1713	404	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC	842	Lymphoma & non-acute leukemia w/o CC/MCC
17	M	1714	411	HISTORY OF MALIGNANCY W/O ENDOSCOPY	843	Other myeloprolif dis or poorly diff neopl diag w MCC
17	M	1714	412	HISTORY OF MALIGNANCY W ENDOSCOPY	844	Other myeloprolif dis or poorly diff neopl diag w CC
17	M	1714	413	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W CC	845	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC
17	M	1714	414	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC	845	Other myeloprolif dis or poorly diff neopl diag w/o CC/MCC
17	M	1715	410	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS	846	Chemotherapy w/o acute leukemia as secondary diagnosis w MCC
17	M	1715	410	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS	847	Chemotherapy w/o acute leukemia as secondary diagnosis w CC
17	M	1715	410	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS	848	Chemotherapy w/o acute leukemia as secondary diagnosis w/o CC/MCC
17	M	1716	409	RADIOTHERAPY	849	Radiotherapy
17	S	1799	400	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE (NO LONGER VA		
18	S	1801	578	INFECTIOUS & PARASITIC DISEASES W OR PROCEDURE	853	Infectious & parasitic diseases w O.R. procedure w MCC
18	S	1801	578	INFECTIOUS & PARASITIC DISEASES W OR PROCEDURE	854	Infectious & parasitic diseases w O.R. procedure w CC
18	S	1801	578	INFECTIOUS & PARASITIC DISEASES W OR PROCEDURE	855	Infectious & parasitic diseases w O.R. procedure w/o CC/MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
18	S	1802	579	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W OR PROCEDURE	856	Postoperative or post-traumatic infections w O.R. proc w MCC
18	S	1802	579	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W OR PROCEDURE	857	Postoperative or post-traumatic infections w O.R. proc w CC
18	S	1802	579	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W OR PROCEDURE	858	Postoperative or post-traumatic infections w O.R. proc w/o CC/MCC
18	M	1803	418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	862	Postoperative & post-traumatic infections w MCC
18	M	1803	418	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS	863	Postoperative & post-traumatic infections w/o MCC
18	M	1804	419	FEVER OF UNKNOWN ORIGIN AGE >17 W CC	864	Fever of unknown origin
18	M	1804	420	FEVER OF UNKNOWN ORIGIN AGE >17 W/O CC	864	Fever of unknown origin
18	M	1805	421	VIRAL ILLNESS AGE >17	865	Viral illness w MCC
18	M	1805	422	VIRAL ILLNESS & FEVER OF UNKNOWN ORIGIN AGE 0-17	866	Viral illness w/o MCC
18	M	1806	423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	867	Other infectious & parasitic diseases diagnoses w MCC
18	M	1806	423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	868	Other infectious & parasitic diseases diagnoses w CC
18	M	1806	423	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES	869	Other infectious & parasitic diseases diagnoses w/o CC/MCC
18	M	1807	417	SEPTICEMIA AGE 0-17	870	Septicemia w MV 96+ hours
18	M	1807	575	SEPTICEMIA W MV96+ HOURS AGE >17	870	Septicemia w MV 96+ hours
18	M	1808	576	SEPTICEMIA W/O MV96+ HOURS AGE >17	871	Septicemia w/o MV 96+ hours w MCC
18	M	1808	576	SEPTICEMIA W/O MV96+ HOURS AGE >17	872	Septicemia w/o MV 96+ hours w/o MCC
18	M	1898	416	SEPTICEMIA AGE >17 (NO LONGER VALID)		
18	S	1899	415	O.R. PROCEDURE FOR INFECTIOUS & PARASITIC DISEASES (NO LONGER VALID)		
19	S	1909	424	O.R. PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS	876	O.R. procedure w principal diagnoses of mental illness
19	M	1910	425	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION	880	Acute adjustment reaction & psychosocial dysfunction
19	M	1911	426	DEPRESSIVE NEUROSES	881	Depressive neuroses
19	M	1912	427	NEUROSES EXCEPT DEPRESSIVE	882	Neuroses except depressive
19	M	1913	428	DISORDERS OF PERSONALITY & IMPULSE CONTROL	883	Disorders of personality & impulse control
19	M	1914	429	ORGANIC DISTURBANCES & MENTAL RETARDATION	884	Organic disturbances & mental retardation



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
19	M	1915	430	PSYCHOSES	885	Psychoses
19	M	1916	431	CHILDHOOD MENTAL DISORDERS	886	Behavioral & developmental disorders
19	M	1917	432	OTHER MENTAL DISORDER DIAGNOSES	887	Other mental disorder diagnoses
20	M	2018	433	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA	894	Alcohol/drug abuse or dependence, left ama
20	M	2019	521	ALCOHOL/DRUG ABUSE OR DEPENDENCE W CC	895	Alcohol/drug abuse or dependence w rehabilitation therapy
20	M	2019	522	ALC/DRUG ABUSE OR DEPEND W REHABILITATION THERAPY W/O CC	895	Alcohol/drug abuse or dependence w rehabilitation therapy
20	M	2020	523	ALC/DRUG ABUSE OR DEPEND W/O REHABILITATION THERAPY W/O CC	896	Alcohol/drug abuse or dependence w/o rehabilitation therapy w MCC
20	M	2020	523	ALC/DRUG ABUSE OR DEPEND W/O REHABILITATION THERAPY W/O CC	897	Alcohol/drug abuse or dependence w/o rehabilitation therapy w/o MCC
20	M	2098	434	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT W CC		
20	M	2098	435	ALC/DRUG ABUSE OR DEPEND, DETOX OR OTH SYMPT TREAT WO CC		
20	M	2098	436	ALC/DRUG DEPENDENCE W REHABILITATION THERAPY (NO LONGER		
20	M	2098	437	ALC/DRUG DEPENDENCE, COMBINED REHAB & DETOX THERAPY (NO		
20	M	2098	438	NO LONGER VALID		
21	S	2101	440	WOUND DEBRIDEMENTS FOR INJURIES	901	Wound debridements for injuries w MCC
21	S	2101	440	WOUND DEBRIDEMENTS FOR INJURIES	902	Wound debridements for injuries w CC
21	S	2101	440	WOUND DEBRIDEMENTS FOR INJURIES	903	Wound debridements for injuries w/o CC/MCC
21	S	2102	439	SKIN GRAFTS FOR INJURIES	904	Skin grafts for injuries w CC/MCC
21	S	2102	439	SKIN GRAFTS FOR INJURIES	905	Skin grafts for injuries w/o CC/MCC
21	S	2103	441	HAND PROCEDURES FOR INJURIES	906	Hand procedures for injuries
21	S	2104	442	OTHER O.R. PROCEDURES FOR INJURIES W CC	907	Other O.R. procedures for injuries w MCC
21	S	2104	443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	908	Other O.R. procedures for injuries w CC
21	S	2104	443	OTHER O.R. PROCEDURES FOR INJURIES W/O CC	909	Other O.R. procedures for injuries w/o CC/MCC
21	M	2105	444	TRAUMATIC INJURY AGE >17 W CC	913	Traumatic injury w MCC
21	M	2105	445	TRAUMATIC INJURY AGE >17 W/O CC	914	Traumatic injury w/o MCC
21	M	2105	446	TRAUMATIC INJURY AGE 0-17	914	Traumatic injury w/o MCC
21	M	2106	447	ALLERGIC REACTIONS AGE >17	915	Allergic reactions w MCC

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
21	M	2106	448	ALLERGIC REACTIONS AGE 0-17	916	Allergic reactions w/o MCC
21	M	2107	449	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W CC	917	Poisoning & toxic effects of drugs w MCC
21	M	2107	450	POISONING & TOXIC EFFECTS OF DRUGS AGE >17 W/O CC	918	Poisoning & toxic effects of drugs w/o MCC
21	M	2107	451	POISONING & TOXIC EFFECTS OF DRUGS AGE 0-17	918	Poisoning & toxic effects of drugs w/o MCC
21	M	2108	452	COMPLICATIONS OF TREATMENT W CC	919	Complications of treatment w MCC
21	M	2108	453	COMPLICATIONS OF TREATMENT W/O CC	920	Complications of treatment w CC
21	M	2108	453	COMPLICATIONS OF TREATMENT W/O CC	921	Complications of treatment w/o CC/MCC
21	M	2109	454	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W CC	922	Other injury, poisoning & toxic effect diag w MCC
21	M	2109	455	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O CC	923	Other injury, poisoning & toxic effect diag w/o MCC
22	S	2201	506	FULL THICKNESS BURN W SKIN GRAFT OR INHAL INJ W CC OR SIG TRAUMA	928	Full thickness burn w skin graft or inhal inj w CC/MCC
22	S	2201	507	FULL THICKNESS BURN W SKIN GRFT OR INHAL INJ W/O CC OR SIG TRAUMA	929	Full thickness burn w skin graft or inhal inj w/o CC/MCC
22	S	2210	504	EXTEN. BURNS OR FULL THICKNESS BURN W/MV 96+HRS W/SKIN GFT	927	Extensive burns or full thickness burns w MV 96+ hrs w skin graft
22	M	2212	505	EXTEN. BURNS OR FULL THICKNESS BURN W/MV 96+HRS W/O SKIN GFT	933	Extensive burns or full thickness burns w MV 96+ hrs w/o skin graft
22	M	2213	508	FULL THICKNESS BURN W/O SKIN GRFT OR INHAL INJ W CC OR SIG TRAUMA	934	Full thickness burn w/o skin grft or inhal inj
22	M	2213	509	FULL THICKNESS BURN W/O SKIN GRFT OR INH INJ W/O CC OR SIG TRAUMA	934	Full thickness burn w/o skin grft or inhal inj
22	M	2214	510	NON-EXTENSIVE BURNS W CC OR SIGNIFICANT TRAUMA	935	Non-extensive burns
22	M	2214	511	NON-EXTENSIVE BURNS W/O CC OR SIGNIFICANT TRAUMA	935	Non-extensive burns
22	M	2298	456	BURNS, TRANSFERRED TO ANOTHER ACUTE CARE FACILITY (NO LO		
22	M	2298	457	EXTENSIVE BURNS WO O.R. PROCEDURE (NO LONGER VALID)		
22	M	2298	458	NON-EXTENSIVE BURNS W SKIN GRAFT (NO LONGER VALID)		
22	M	2298	459	NON-EXTENSIVE BURNS W WOUND DEBRIDEMENT OR OTHER O.R. PR		
22	M	2298	460	NON-EXTENSIVE BURNS WO O.R. PROCEDURE (NO LONGER VALID)		



**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
22	S	2299	472	BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMI		
23	S	2301	461	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	939	O.R. proc w diagnoses of other contact w health services w MCC
23	S	2301	461	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	940	O.R. proc w diagnoses of other contact w health services w CC
23	S	2301	461	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES	941	O.R. proc w diagnoses of other contact w health services w/o CC/MCC
23	M	2302	462	REHABILITATION	945	Rehabilitation w CC/MCC
23	M	2302	462	REHABILITATION	946	Rehabilitation w/o CC/MCC
23	M	2303	463	SIGNS & SYMPTOMS W CC	947	Signs & symptoms w MCC
23	M	2303	464	SIGNS & SYMPTOMS W/O CC	948	Signs & symptoms w/o MCC
23	M	2304	465	AFTERCARE W HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	949	Aftercare w CC/MCC
23	M	2304	466	AFTERCARE W/O HISTORY OF MALIGNANCY AS SECONDARY DIAGNOSIS	950	Aftercare w/o CC/MCC
23	M	2305	467	OTHER FACTORS INFLUENCING HEALTH STATUS	951	Other factors influencing health status
24	S	2406	484	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA	955	Craniotomy for multiple significant trauma
24	S	2407	485	LIMB REATTACHMENT, HIP AND FEMUR PROC FOR MULTIPLE SIGNIFICANT TRAUMA	956	Limb reattachment, hip & femur proc for multiple significant trauma
24	S	2408	486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	957	Other O.R. procedures for multiple significant trauma w MCC
24	S	2408	486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	958	Other O.R. procedures for multiple significant trauma w CC
24	S	2408	486	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA	959	Other O.R. procedures for multiple significant trauma w/o CC/MCC
24	M	2409	487	OTHER MULTIPLE SIGNIFICANT TRAUMA	963	Other multiple significant trauma w MCC
24	M	2409	487	OTHER MULTIPLE SIGNIFICANT TRAUMA	964	Other multiple significant trauma w CC
24	M	2409	487	OTHER MULTIPLE SIGNIFICANT TRAUMA	965	Other multiple significant trauma w/o CC/MCC
25	S	2501	488	HIV W EXTENSIVE O.R. PROCEDURE	969	HIV w extensive O.R. procedure w MCC
25	S	2501	488	HIV W EXTENSIVE O.R. PROCEDURE	970	HIV w extensive O.R. procedure w/o MCC
25	M	2502	489	HIV W MAJOR RELATED CONDITION	974	HIV w major related condition w MCC
25	M	2502	489	HIV W MAJOR RELATED CONDITION	975	HIV w major related condition w CC
25	M	2502	489	HIV W MAJOR RELATED CONDITION	976	HIV w major related condition w/o CC/MCC
25	M	2503	490	HIV W OR W/O OTHER RELATED CONDITION	977	HIV w or w/o other related condition

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
PR <sup>1</sup>	S	7701	103	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM	001	Heart transplant or implant of heart assist system w MCC
PR	S	7701	103	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM	002	Heart transplant or implant of heart assist system w/o MCC
PR	S	7702	480	LIVER TRANSPLANT AND/OR INTESTINAL TRANSPLANT	005	Liver transplant w MCC or intestinal transplant
PR	S	7702	480	LIVER TRANSPLANT AND/OR INTESTINAL TRANSPLANT	006	Liver transplant w/o MCC
PR	S	7703	495	LUNG TRANSPLANT	007	Lung transplant
PR	S	7704	512	SIMULTANEOUS PANCREAS/KIDNEY TRANSPLANT	008	Simultaneous pancreas/kidney transplant
PR	S	7705	481	BONE MARROW TRANSPLANT	009	Bone marrow transplant
PR	S	7705	481	BONE MARROW TRANSPLANT	014	Allogeneic bone marrow transplant
PR	S	7705	481	BONE MARROW TRANSPLANT	015	Autologous bone marrow transplant
PR	S	7706	513	PANCREAS TRANSPLANT	010	Pancreas transplant
PR	S	7799	541	ECMO OR TRACH W MV 96+HRS OR PDX EXC FACE, MOUTH & NECK W MAJ O.R.	003	ECMO or trach w MV 96+ hrs or PDX exc face, mouth & neck w maj O.R.
PR	S	7799	542	TRACH W MV 96+HRS OR PDX EXC FACE, MOUTH & NECK W/O MAJ O.R.	004	Trach w MV 96+ hrs or PDX exc face, mouth & neck w/o maj O.R.
PR	S	7799	482	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES	011	Tracheostomy for face, mouth & neck diagnoses w MCC
PR	S	7799	482	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES	012	Tracheostomy for face, mouth & neck diagnoses w CC
PR	S	7799	482	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES	013	Tracheostomy for face, mouth & neck diagnoses w/o CC/MCC
PR	S	7799	483	TRAC W MECH VENT 96+HRS OR PDX EXCEPT FACE, MOUTH & NECK		
* <sup>2</sup>	M	8898	469	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS	998	Principal diagnosis invalid as discharge diagnosis
*	M	8898	470	UNGROUPABLE	999	Ungroupable
*	S	8899	468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	981	Extensive O.R. procedure unrelated to principal diagnosis w MCC
*	S	8899	468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	982	Extensive O.R. procedure unrelated to principal diagnosis w CC
*	S	8899	468	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	983	Extensive O.R. procedure unrelated to principal diagnosis w/o CC/MCC
*	S	8899	476	PROSTATIC O.R. PROCEDURE UNRELATED TO	985	Prostatic O.R. procedure unrelated to principal diagnosis w

<sup>1</sup> Certain procedure codes have corresponding MS-DRG codes.

<sup>2</sup> These DRG and MS-DRG codes are not assigned to an MDC.

**Patient Safety Indicators (PSI)  
Risk Adjustment Coefficients for the PSI, Version 4.3**

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MDC	M/S	MDRG	CMS DRG	CMS-DRG DESCRIPTION	MS DRG	MS-DRG DESCRIPTION
				PRINCIPAL DIAGNOSIS		CC
*	S	8899	476	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	986	Prostatic O.R. procedure unrelated to principal diagnosis w/o CC/MCC
*	S	8899	477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	987	Non-extensive O.R. proc unrelated to principal diagnosis w MCC
*	S	8899	477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	988	Non-extensive O.R. proc unrelated to principal diagnosis w CC
*	S	8899	477	NON-EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS	989	Non-extensive O.R. proc unrelated to principal diagnosis w/o CC/MCC

**Table A.3. Major Diagnostic Categories (MDC)**

MDC	DESCRIPTION
1	DISEASES & DISORDERS OF THE NERVOUS SYSTEM
2	DISEASES & DISORDERS OF THE EYE
3	DISEASES & DISORDERS OF THE EAR, NOSE, MOUTH & THROAT
4	DISEASES & DISORDERS OF THE RESPIRATORY SYSTEM
5	DISEASES & DISORDERS OF THE CIRCULATORY SYSTEM
6	DISEASES & DISORDERS OF THE DIGESTIVE SYSTEM
7	DISEASES & DISORDERS OF THE HEPATOBILIARY SYSTEM & PANCREAS
8	DISEASES & DISORDERS OF THE MUSCULOSKELETAL SYSTEM & CONN TISSUE
9	DISEASES & DISORDERS OF THE SKIN, SUBCUTANEOUS TISSUE & BREAST
10	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES & DISORDERS
11	DISEASES & DISORDERS OF THE KIDNEY & URINARY TRACT
12	DISEASES & DISORDERS OF THE MALE REPRODUCTIVE SYSTEM
13	DISEASES & DISORDERS OF THE FEMALE REPRODUCTIVE SYSTEM
14	PREGNANCY, CHILDBIRTH & THE PUERPERIUM
15	NEWBORNS & OTHER NEONATES WITH CONDTN ORIG IN PERINATAL PERIOD
16	DISEASES & DISORDERS OF BLOOD, BLOOD FORMING ORGANS, IMMUNOLOG DISORD
17	MYELOPROLIFERATIVE DISEASES & DISORDERS, POORLY DIFFERENTIATED NEOPLASM
18	INFECTIOUS & PARASITIC DISEASES, SYSTEMIC OR UNSPECIFIED SITES
19	MENTAL DISEASES & DISORDERS
20	ALCOHOL/DRUG USE & ALCOHOL/DRUG INDUCED ORGANIC MENTAL DISORDERS
21	INJURIES, POISONINGS & TOXIC EFFECTS OF DRUGS
22	BURNS
23	FACTORS INFLUENCING HLTH STAT & OTHR CONTACTS WITH HLTH SERVCS
24	MULTIPLE SIGNIFICANT TRAUMA
25	HUMAN IMMUNODEFICIENCY VIRUS INFECTIONS

**Table A.4. AHRQ Comorbidity Categories (COMORB) in Version 3.6**

COMORBIDITY	DESCRIPTION
AIDS	Acquired immune deficiency syndrome
ALCOHOL	Alcohol abuse
ANEMDEF	Deficiency Anemias
ARTH	Rheumatoid arthritis/collagen vas
BLDLOSS	Chronic blood loss anemia
CHF	Congestive heart failure
CHRNLUNG	Chronic pulmonary disease
DEPRESS	Depression
DM	Diabetes w/o chronic complications
DMCX	Diabetes w/ chronic complications
DRUG	Drug abuse
HTN_C	Hypertension
HYPOTHY	Hypothyroidism
LIVER	Liver disease
LYMPH	Lymphoma
METS	Metastatic cancer
NEURO	Other neurological disorders
OBESE	Obesity
PARA	Paralysis
PERIVASC	Peripheral vascular disease
PSYCH	Psychoses
PULMCIRC	Pulmonary circulation disease
RENLFAIL	Renal failure
TUMOR	Solid tumor w/out metastasis
ULCER	Peptic ulcer Disease x bleeding
VALVE	Valvular disease
WGHTLOSS	Weight loss

For the definition of the AHRQ Comorbidity Categories in the recent Comorbidity Software Version 3.6, see <http://www.hcup-us.ahrq.gov/toolsoftware/comorbidity/comorbidity.jsp>

**Table A.5. Transfer, Procedure Days, Point of Origin**

CATEGORY	DESCRIPTION	DEFINITION
TRANSFER	Transfer-in	If admission type (ATYPE) not equal to '4' (newborn) and - admission source (ASOURCE) equal to '2' (Another Hospital) or - point of origin (POINTOFORIGINUB04) equal to '4' (Transfer from a Hospital)
NOPOUB04	UB-04 Point-of-Origin Data Not Available	If admission source (ASOURCE) is not equal to missing and point of origin (POINTOFORIGINUB04) is equal to missing
NOPRDAY	Procedure Days Data Not Available	If PRDAY1 and PRDAY2 and . . . PRDAYn is equal to missing, where n is the number of Procedure Codes reported the user's data.