



*AHRQ Quality Indicators™*

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# Pediatric Quality Indicators (PDI) Parameter Estimates, v2021

## Prepared for:

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## Executive Summary

This document provides statistical parameters associated with Version 2021 Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ (QI) Pediatric Quality Indicators (IQI). The parameter estimates derived for the AHRQ QI are based on analysis of the 2018 AHRQ Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID).<sup>1</sup>

HCUP is a family of healthcare databases and related software tools and products developed through a Federal- State-Industry partnership. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. The SID contain all-payer, encounter-level information on inpatient discharges, including clinical and resource information typically found on a billing record, such as patient demographics, up to 30 *International Classification of Diseases, Tenth Revision, Clinical Modification/Procedural Classification System (ICD-10-CM/PCS)* diagnoses and procedures, length of stay (LOS), expected payer, admission and discharge dates and discharge disposition.

In 2018, the HCUP databases represent more than 97 percent of all annual discharges in the U.S.<sup>2</sup> The analytic dataset used to generate the risk adjustment regression models in this document consists of the same hospital discharge records that comprise the reference population for Version 2021 of the AHRQ QI software. This reference population file was limited to community hospitals and excludes rehabilitation and long-term acute care (LTAC) hospitals. Information on the type of hospital was obtained by the American Hospital Association (AHA) Annual Survey of Hospitals. AHA defines community hospitals as “all non-Federal, short-term, general, and other specialty hospitals, excluding hospital units of institutions.” Included among community hospitals are specialty hospitals such as obstetrics-gynecology, ear-nose-throat, orthopedic, and pediatric institutions. Also included are public hospitals and academic medical centers.

The 2018 HCUP SID includes information on all inpatient discharges from hospitals in participating States. Discharges from all 48 participating States are used to develop risk-adjustment models for the area-level PDIs.<sup>3</sup> This document lists covariates and coefficients for area-level risk adjustment logistic regression models. The regression coefficients are used by the prediction module to calculate risk-adjusted rates that account for differences in patient populations across areas. Covariates that are considered as potential risk adjusters include sex and age and the interaction of sex and age. Descriptions of the population age categories are provided in Table 15. Every covariate in every model is a binary indicator variable, coded using 0 or 1. The AHRQ QI software user does not need to manipulate or adjust these coefficients; rather this document is intended to make it transparent to the user how the risk adjusted QI rates are calculated.

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<sup>1</sup> Healthcare Cost and Utilization Project (HCUP) 2018 State Inpatient Databases (SID). Agency for Healthcare Research and Quality, Rockville, MD.

<sup>2</sup> The states included in the analysis are Alaska, Arizona, Arkansas, California, Colorado, , Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

<sup>3</sup> Colorado and Hawaii were not included in the reference population used to develop PDI 16 and PDI 18.

In 2018, 46 of the SID participants include indicators of the diagnoses being present on admission (POA) 42 included the PRDAY data element, and 43 included the AGEDAY data element. Discharges from these 46 participating States are used to develop hospital-level indicators.<sup>4</sup> Edit checks on POA were developed during an HCUP evaluation of POA coding in the 2011 SID at hospitals that were required to report POA to CMS (Centers for Medicare and Medicaid Services, <http://www.hcup-us.ahrq.gov/reports/methods/2015-06.pdf>). The edits identify general patterns of suspect reporting of POA. The edits do not evaluate whether a valid POA value (e.g., Y or N) is appropriate for the specific diagnosis. There are three hospital-level edit checks:

1. Indication that a hospital has POA reported as Y on all diagnoses on all discharges
2. Indication that a hospital has POA reported as missing on all non-Medicare discharges
3. Indication that a hospital reported POA as missing on all nonexempt diagnoses for 15 percent or more of discharges. The cut-point of 15 percent was determined by 2 times the standard deviation plus the mean of the percentage for hospitals that are required to report POA to CMS.

This document lists covariates and coefficients for hospital-level risk adjustment regression models. The regression coefficients are used to calculate risk-adjusted rates that account for differences in patient populations across hospitals. Covariates that are considered as potential risk adjusters include sex and age, Major Diagnostic Categories (MDC), Modified Medicare Severity-Diagnosis-Related Group (MS-DRG) categories, AHRQ Clinical Classification Software Refined (CCSR), and patient point-of-origin and whether they were transferred from another facility. Several hospital-level PDIs have populations at risk that are complex, and are therefore stratified in a manner described in the technical specifications so analysts may examine observed rates for each stratum. Categorical variables are used to identify the strata. Whereas the risk adjustment models in some of the other AHRQ QI modules fit individual models for individual QI strata, which results in stratum-specific coefficients for each variable in the models, the PDI module includes at most one risk adjustment model per QI, pooling the data across strata to fit coefficients on the covariates, and using binary indicator covariates to fit a separate regression intercept for each stratum.

Descriptions of some variable categories are provided in the Appendix tables at the end of the document. Every covariate in every model is a binary indicator variable, coded using 0 or 1. The AHRQ QI software user does not need to manipulate or adjust these coefficients; rather this document is intended to make it transparent to the user how the risk adjusted QI rates are calculated. This document also provides a risk adjustment coefficient table for each risk-adjusted hospital-level PDI. Certain indicators (such as PDI 11 Postoperative Wound Dehiscence Rate) are not risk-adjusted because materially important risk factors (e.g., post-operative coughing) are not available in the HCUP SID.

Additional information on the risk adjustment process and composite indicators may be found in Quality Indicator Empirical Methods, available on the AHRQ QI website.

(<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>)

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<sup>4</sup> Colorado, Delaware, Hawaii, New York, Oklahoma, Wisconsin, and West Virginia were not included in the reference population for indicators that rely on procedure dates (PRDAY) or age in days (AGEDAY). Discharges from Delaware, Oklahoma, Wisconsin, and West Virginia are excluded from PDIs 08 and 09 due to incomplete procedure dates. Discharges from Colorado, Hawaii, and New York are excluded from PDIs 01, 05, 08-10, 12, 16, 18, and NQI 03 due to missing age in days.

## Acknowledgments

The AHRQ QI program would like to acknowledge the HCUP Partner organizations that participated in the HCUP SID: **Alaska** State Hospital and Nursing Home Association, **Alaska** Department of Health and Social Services, **Arizona** Department of Health Services, **Arkansas** Department of Health, **California** Office of Statewide Health Planning and Development, **Colorado** Hospital Association, **Connecticut** Hospital Association, **Delaware** Division of Public Health, **District of Columbia** Hospital Association, **Florida** Agency for Health Care Administration, **Georgia** Hospital Association, **Hawaii** Laulima Data Alliance, a non-profit subsidiary of the Healthcare Association of Hawaii, **Hawaii** University of Hawaii at Hilo, **Illinois** Department of Public Health, **Indiana** Hospital Association, **Iowa** Hospital Association, **Kansas** Hospital Association, **Kentucky** Cabinet for Health and Family Services, **Louisiana** Department of Health, **Maine** Health Data Organization, **Maryland** Health Services Cost Review Commission, **Massachusetts** Center for Health Information and Analysis, **Michigan** Health & Hospital Association, **Minnesota** Hospital Association (provides data for Minnesota and North Dakota), **Mississippi** State Department of Health, **Missouri** Hospital Industry Data Institute, **Montana** Hospital Association, **Nebraska** Hospital Association, **Nevada** Department of Health and Human Services, **New Hampshire** Department of Health & Human Services, **New Jersey** Department of Health, **New Mexico** Department of Health, **New York** State Department of Health, **North Carolina** Department of Health and Human Services, **North Dakota** (data provided by the Minnesota Hospital Association), **Ohio** Hospital Association, **Oklahoma** State Department of Health, **Oregon** Association of Hospitals and Health Systems, **Oregon** Office of Health Analytics, **Pennsylvania** Health Care Cost Containment Council, **Rhode Island** Department of Health, **South Carolina** Revenue and Fiscal Affairs Office, **South Dakota** Association of Healthcare Organizations, **Tennessee** Hospital Association, **Texas** Department of State Health Services, **Utah** Department of Health, **Vermont** Association of Hospitals and Health Systems, **Virginia** Health Information, **Washington** State Department of Health, **West Virginia** Department of Health and Human Resources , **Wisconsin** Department of Health Services, **Wyoming** Hospital Association.

## Parameter Estimates Tables

**Table 1. Risk Adjustment Coefficients (non SES) for PDI 01 – Accidental Puncture or Laceration Rate**

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-12.85865974	0.4819416986	-26.6809445661	<.0001
AGE_3	Age Days 180-364	1	0.6212243151	0.2736801854	2.2698914579	0.0232
AGE_5	Age 4-9 years	1	0.1524426990	0.2073747373	0.7351073759	0.4623
AGE_6	Age 10-14 years	1	0.4284652103	0.2107490704	2.0330586018	0.0420
AGE_7	Age 15-17 years	1	0.0662416107	0.2543780019	0.2604062074	0.7946
AGE_1_2	Age Days 0-179	1	0.5818761059	0.1921386298	3.0284181086	0.0025
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.0942289190	0.1905500081	0.4945101811	0.6209
AGE_3_MALE	Age Days 180-364 MALE	1	-0.7694585896	0.3958209552	-1.9439561736	0.0519
AGE_5_MALE	Age 4-9 years MALE	1	0.0308850614	0.2662160728	0.1160150141	0.9076
AGE_6_MALE	Age 10-14 years MALE	1	-0.1221351410	0.2613279739	-0.4673634406	0.6402
AGE_7_MALE	Age 15-17 years MALE	1	0.0270562533	0.2945715091	0.0918495254	0.9268
AGE_1_2_MALE	Age Days 0-179 MALE	1	0.1548725606	0.2261362253	0.6848640035	0.4934
PD01_NonWt_1	PD01 Comorbidity count using non-weighted method, category 1	1	0.3071074539	0.0825701165	3.7193535268	0.0002
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.3313620236	0.1084223294	3.0562156844	0.0022
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.1778242506	0.0954265144	1.8634679448	0.0624
HPPD01_2	Minor therapeutic PR	1	2.6887789128	0.4521153365	5.9471083943	<.0001
HPPD01_3	1 major ther PR/no diag PR	1	5.0237270366	0.4880747009	10.2929470161	<.0001
HPPD01_4	1 major ther PR/minor diag PR	1	5.8218034709	0.4644817256	12.5339774415	<.0001
HPPD01_5	1 major ther PR/major diag PR	1	6.5808923091	0.5381610051	12.2284822687	<.0001
HPPD01_6	2 major therapeutic PR	1	6.7283522138	0.4566513890	14.7341109118	<.0001
HPPD01_7	3+ major therapeutic PR	1	7.3420759579	0.4624878040	15.8751774527	<.0001
MEDICDR	Medical DRGs flag	1	0.0059124303	0.1472898743	0.0401414579	0.9680

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
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c-statistic=0.949

**Table 2. Risk Adjustment Coefficients (non SES) for PDI 05 – Iatrogenic Pneumothorax Rate**

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-8.337603791	0.3138876514	-26.5623822871	<.0001
AGE_1	Age Days 0-59	1	-0.9664612361	0.5454141109	-1.7719769561	0.0764
AGE_5	Age 4-9 years	1	-0.0615684397	0.3354555980	-0.1835367783	0.8544
AGE_6	Age 10-14 years	1	0.0727421207	0.3985699421	0.1825077936	0.8552
AGE_7	Age 15-17 years	1	-0.0650522512	0.4111334184	-0.1582266200	0.8743
AGE_2_3	Age Days 60-364	1	-1.138816236	0.5427556298	-2.0982117430	0.0359
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.2355238355	0.3721592744	-0.6328576276	0.5268
AGE_1_MALE	Age Days 0-59 MALE	1	-0.1758705541	0.6433402793	-0.2733709667	0.7846
AGE_5_MALE	Age 4-9 years MALE	1	-0.2331420768	0.5768423871	-0.4041694611	0.6861
AGE_6_MALE	Age 10-14 years MALE	1	-0.2051568327	0.5471310973	-0.3749683279	0.7077
AGE_7_MALE	Age 15-17 years MALE	1	0.3683461076	0.5068419120	0.7267475299	0.4674
AGE_2_3_MALE	Age Days 60-364 MALE	1	0.3203271384	0.7935583112	0.4036592319	0.6865
PD05_NonWt_1	PD05 Comorbidity count using non-weighted method, category 1	1	0.6687858772	0.2452443436	2.7270185623	0.0064
MDRG_416	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT	1	1.7269364698	0.5675827311	3.0426163007	0.0023
MDRG_510	PERMANENT CARDIAC PACEMAKER IMPLANT AND PROCEDURES	1	4.3973690616	0.4638056138	9.4810604510	<.0001
MDRG_514	OTHER VASCULAR PROCEDURES	1	2.2713950635	0.3872406671	5.8655902043	<.0001
MDRG_541	AORTIC AND HEART ASSIST PROCEDURES EXCEPT PULSATION BALLOON	1	3.1730160858	0.5140064788	6.1731052363	<.0001

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
MDRG_802	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFECTION OR EXT FUS	1	1.2167804112	0.4589571026	2.6511854908	0.0080
MDRG_815	BACK & NECK PROC EXC SPINAL FUSION OR DISC DEVICE/NEUROSTIM	1	2.8205836846	0.4143081927	6.8079360581	<.0001
MDRG_826	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC	1	1.9319309202	0.4161251095	4.6426684569	<.0001
d_DXCCSR_CIR007_123	Essential hypertension	1	0.8351498711	0.3260275053	2.5615932937	0.0104
d_DXCCSR_DIG025_123	Other specified and unspecified gastrointestinal disorders	1	0.0191608554	0.3391643414	0.0564943098	0.9549
d_DXCCSR_END011_123	Fluid and electrolyte disorders	1	0.0559466021	0.2766156342	0.2022539407	0.8397
d_DXCCSR_FAC009_123	Implant, device or graft related encounter	1	-0.0139232840	0.3470488033	-0.0401190951	0.9680
d_DXCCSR_INF003_123	Bacterial infections	1	0.5782714449	0.2717785769	2.1277300493	0.0334
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.8575934073	0.2402209716	3.5700188942	0.0004
d_DXCCSR_MBD014_123	Neurodevelopmental disorders	1	-0.3384618180	0.2741394566	-1.2346337232	0.2170
d_DXCCSR_MUS022_123	Scoliosis and other postural dorsopathic deformities	1	1.1240151819	0.3978888677	2.8249475498	0.0047
d_DXCCSR_NVS009_123	Epilepsy; convulsions	1	-0.3974966862	0.2990709864	-1.3291048088	0.1838
d_DXCCSR_NVS016_123	Sleep wake disorders	1	-0.1323868385	0.2988384285	-0.4430047339	0.6578
d_DXCCSR_NVS020_123	Other specified nervous system disorders	1	0.2041387313	0.3343762796	0.6105060191	0.5415
d_DXCCSR_PNL013_123	Other specified and unspecified perinatal conditions	1	0.8076510366	0.3998939900	2.0196628526	0.0434
d_DXCCSR_RSP002_123	Pneumonia (except that caused by tuberculosis)	1	0.3894996123	0.3791708740	1.0272403262	0.3043
d_DXCCSR_RSP007_123	Other specified and unspecified upper respiratory disease	1	0.5245841275	0.3443737605	1.5232987751	0.1277
d_DXCCSR_RSP009_123	Asthma	1	-0.1743121599	0.2872038537	-0.6069283461	0.5439
d_DXCCSR_RSP012_123	Respiratory failure; insufficiency; arrest	1	1.0609751818	0.3324609605	3.1912774970	0.0014
d_DXCCSR_RSP016_123	Other specified and unspecified lower respiratory disease	1	0.3794082347	0.3713541121	1.0216885239	0.3069



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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
d_DXCCSR_SYM016_123	Other general signs and symptoms	1	0.2153825852	0.2558816820	0.8417272527	0.3999
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	-0.0046964690	0.2583863949	-0.0181761465	0.9855
MEDICDR	Medical DRGs flag	1	-2.567048227	0.2844161193	-9.0256777064	<.0001

c-statistic=0.918

**Table 3. Risk Adjustment Coefficients (non SES) for PDI 08 – Perioperative Hemorrhage or Hematoma Rate**

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-7.257890922	0.2140806559	-33.9026003610	<.0001
AGE_3	Age Days 180-364	1	0.1027479416	0.2660184171	0.3862437148	0.6993
AGE_5	Age 4-9 years	1	0.2961926787	0.2401719271	1.2332527045	0.2175
AGE_6	Age 10-14 years	1	0.2490368201	0.2885100271	0.8631825473	0.3880
AGE_7	Age 15-17 years	1	0.1708762203	0.3249441022	0.5258634304	0.5990
AGE_1_2	Age Days 0-179	1	-0.4075346398	0.3484177442	-1.1696724595	0.2421
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.0750574969	0.2452609985	0.3060311154	0.7596
AGE_3_MALE	Age Days 180-364 MALE	1	0.0980557981	0.3817711436	0.2568444466	0.7973
AGE_5_MALE	Age 4-9 years MALE	1	-0.4520201340	0.2841825597	-1.5905977288	0.1117
AGE_6_MALE	Age 10-14 years MALE	1	-0.4300933246	0.3855521015	-1.1155258210	0.2646
AGE_7_MALE	Age 15-17 years MALE	1	0.6104826840	0.3689786513	1.6545203411	0.0980
AGE_1_2_MALE	Age Days 0-179 MALE	1	-0.1094681216	0.4837532325	-0.2262891786	0.8210
PD08_NonWt_1	PD08 Comorbidity count using non-weighted method, category 1	1	0.5068099608	0.1570116375	3.2278496598	0.0012
PD08_NonWt_2	PD08 Comorbidity count using non-weighted method, category 2	1	0.9399877421	0.2568669527	3.6594343187	0.0003
ODC903	Ventilator Dependence flag	1	1.0024131342	0.4102112992	2.4436507143	0.0145
MDRG_302	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES	1	1.8569717990	0.2687615831	6.9093647154	<.0001

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
MDRG_401	MAJOR CHEST PROCEDURES	1	1.2605873631	0.3617611930	3.4845842708	0.0005
MDRG_503	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC	1	0.2561036067	0.2141513706	1.1958999186	0.2317
MDRG_505	OTHER CARDIOTHORACIC PROCEDURES	1	0.2624300067	0.2187761842	1.1995364470	0.2303
MDRG_542	OTHER MAJOR CARDIOVASCULAR PROCEDURES	1	0.6380828256	0.2796811689	2.2814650987	0.0225
d_DXCCSR_BLD006_123	Coagulation and hemorrhagic disorders	1	-1.122677939	0.3090215394	-3.6330086924	0.0003
d_DXCCSR_CIR014_123	Pulmonary heart disease	1	0.2903142507	0.2392731895	1.2133170929	0.2250
d_DXCCSR_CIR019_123	Heart failure	1	-0.2603428956	0.2663639064	-0.9773955456	0.3284
d_DXCCSR_DIG004_123	Esophageal disorders	1	-0.3990311941	0.2159894201	-1.8474571299	0.0647
d_DXCCSR_DIG025_123	Other specified and unspecified gastrointestinal disorders	1	-0.3296454429	0.3341638323	-0.9864785206	0.3239
d_DXCCSR_EAR002_123	Diseases of middle ear and mastoid (except otitis media)	1	0.6948723241	0.2664172111	2.6082110887	0.0091
d_DXCCSR_EAR004_123	Hearing loss	1	0.1785336029	0.2379245054	0.7503792120	0.4530
d_DXCCSR_END009_123	Obesity	1	-0.5789841712	0.3287154682	-1.7613535937	0.0782
d_DXCCSR_FAC009_123	Implant, device or graft related encounter	1	0.1019570829	0.2087871679	0.4883302164	0.6253
d_DXCCSR_INJ033_123	Complication of cardiovascular device, implant or graft, initial encounter	1	0.5306306122	0.2577286593	2.0588731328	0.0395
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.4889330059	0.1308788201	11.3764244241	<.0001
d_DXCCSR_MAL002_123	Digestive congenital anomalies	1	0.1698752516	0.3061398795	0.5548942263	0.5790
d_DXCCSR_MAL006_123	Cleft lip or palate	1	-0.2559538774	0.3490475189	-0.7332923558	0.4634
d_DXCCSR_MAL007_123	Respiratory congenital malformations	1	-0.2547233966	0.2584475255	-0.9855903868	0.3243
d_DXCCSR_MAL008_123	Musculoskeletal congenital conditions	1	-0.3959696766	0.2221500196	-1.7824426814	0.0747
d_DXCCSR_MAL010_123	Other specified and unspecified congenital anomalies	1	0.3546218860	0.2195541903	1.6151906985	0.1063
d_DXCCSR_MUS022_123	Scoliosis and other postural dorsopathic	1	-0.5766556911	0.3296889670	-1.7490900481	0.0803

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
	deformities					
d_DXCCSR_NEO073_123	Benign neoplasms	1	0.8227837358	0.3465743484	2.3740468375	0.0176
d_DXCCSR_NVS016_123	Sleep wake disorders	1	0.3294560435	0.2063287419	1.5967530284	0.1103
d_DXCCSR_NVS020_123	Other specified nervous system disorders	1	-0.3639333643	0.3055924169	-1.1909109787	0.2337
d_DXCCSR_RSP004_123	Acute and chronic tonsillitis	1	0.1402766510	0.3032872707	0.4625207336	0.6437
d_DXCCSR_RSP007_123	Other specified and unspecified upper respiratory disease	1	-0.4431330085	0.2537844353	-1.7461000240	0.0808
d_DXCCSR_RSP009_123	Asthma	1	-0.1807129640	0.2210288323	-0.8175990529	0.4136
d_DXCCSR_RSP011_123	Pleurisy, pleural effusion and pulmonary collapse	1	0.6589467254	0.2770591044	2.3783615657	0.0174
d_DXCCSR_RSP012_123	Respiratory failure; insufficiency; arrest	1	0.2392171258	0.3614119922	0.6618959276	0.5080
d_DXCCSR_RSP016_123	Other specified and unspecified lower respiratory disease	1	-0.4345427656	0.3356399297	-1.2946694571	0.1954
d_DXCCSR_SYM005_123	Dysphagia	1	0.1874081786	0.3031982747	0.6181043702	0.5365
d_DXCCSR_SYM016_123	Other general signs and symptoms	1	-0.0786385865	0.1585477381	-0.4959931152	0.6199
GPPD08_2	Coagulopathy	1	2.3170101355	0.2033728545	11.3929174132	<.0001

c-statistic=0.842

**Table 4. Risk Adjustment Coefficients (non SES) for PDI 09 – Postoperative Respiratory Failure Rate**

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
Intercept	Intercept	1	-4.678978207	0.1167399755	-40.0803425333	<.0001
AGE_1	Age Days 0-59	1	1.1815463559	0.1692335284	6.9817509989	<.0001
AGE_2	Age Days 60-179	1	0.4168296711	0.1116806873	3.7323344006	0.0002
AGE_3	Age Days 180-364	1	0.4025595392	0.1146991181	3.5097003865	0.0004
AGE_5	Age 4-9 years	1	-0.3549697868	0.1001681576	-3.5437388016	0.0004
AGE_6	Age 10-14 years	1	-0.3929236476	0.1054974585	-3.7244844857	0.0002

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistic
AGE_7	Age 15-17 years	1	-1.035556178	0.1572850730	-6.5839444161	<.0001
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.0514808026	0.1018047769	0.5056816019	0.6131
AGE_1_MALE	Age Days 0-59 MALE	1	-0.2113979105	0.2233876625	-0.9463276001	0.3440
AGE_2_MALE	Age Days 60-179 MALE	1	0.0299737592	0.1477916868	0.2028108604	0.8393
AGE_3_MALE	Age Days 180-364 MALE	1	-0.0874368604	0.1472328251	-0.5938679794	0.5526
AGE_5_MALE	Age 4-9 years MALE	1	-0.0989135142	0.1518467957	-0.6514033686	0.5148
AGE_6_MALE	Age 10-14 years MALE	1	-0.0849355383	0.1487751530	-0.5708986793	0.5681
AGE_7_MALE	Age 15-17 years MALE	1	0.4604802711	0.2014706214	2.2855951298	0.0223
PD09_NonWt_1	PD09 Comorbidity count using non-weighted method, category 1	1	0.7510965177	0.0880556032	8.5297981132	<.0001
PD09_NonWt_2	PD09 Comorbidity count using non-weighted method, category 2	1	1.2866491868	0.1100078795	11.6959729811	<.0001
MDRG_503	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC	1	1.1074001604	0.1314184068	8.4265224920	<.0001
MDRG_505	OTHER CARDIOTHORACIC PROCEDURES	1	0.9091120379	0.1100970949	8.2573662733	<.0001
d_DXCCSR_CIR003_123	Nonrheumatic and unspecified valve disorders	1	0.0994671875	0.0785260481	1.2666776177	0.2053
d_DXCCSR_CIR019_123	Heart failure	1	-0.3489919272	0.1230150353	-2.8369859541	0.0046
d_DXCCSR_DIG004_123	Esophageal disorders	1	0.1337597749	0.0773817245	1.7285706118	0.0839
d_DXCCSR_END008_123	Malnutrition	1	0.3737980861	0.2040260406	1.8321096905	0.0669
d_DXCCSR_FAC009_123	Implant, device or graft related encounter	1	0.1612092109	0.0922793758	1.7469690218	0.0806
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.4906709736	0.1228027043	12.1387471244	<.0001
d_DXCCSR_MAL009_123	Chromosomal abnormalities	1	0.0966284137	0.0704923563	1.3707644173	0.1704
d_DXCCSR_MBD014_123	Neurodevelopmental disorders	1	0.2270761617	0.0797504024	2.8473356233	0.0044
d_DXCCSR_SYM016_123	Other general signs and symptoms	1	0.1156182989	0.0553622782	2.0883948910	0.0368
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.7989495007	0.1575560997	5.0708890514	<.0001

c-statistic=0.87

Table 5. Risk Adjustment Coefficients (non SES) for PDI 10 – Postoperative Sepsis Rate

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
Intercept	Intercept	1	-6.291099908	0.1538871836	-40.8812466589	<.0001
AGE_1	Age Days 0-59	1	0.4619408592	0.1695673003	2.7242331416	0.0064
AGE_2	Age Days 60-179	1	0.5213351948	0.1272610177	4.0965820025	<.0001
AGE_3	Age Days 180-364	1	0.4357421693	0.1602763348	2.7186931229	0.0066
AGE_5	Age 4-9 years	1	-0.4079293609	0.1295559915	-3.1486722948	0.0016
AGE_6	Age 10-14 years	1	-0.3544371164	0.1385792032	-2.5576501258	0.0105
AGE_7	Age 15-17 years	1	-0.6866427917	0.1694965121	-4.0510732821	<.0001
MALE	Patient Sex Flag: 1=Male / 0=Female	1	0.0040888424	0.1247240035	0.0327831232	0.9738
AGE_1_MALE	Age Days 0-59 MALE	1	-0.5142172253	0.2454568633	-2.0949392837	0.0362
AGE_2_MALE	Age Days 60-179 MALE	1	-0.4622922700	0.1697794603	-2.7228986901	0.0065
AGE_3_MALE	Age Days 180-364 MALE	1	-0.2860838117	0.2101132551	-1.3615695568	0.1733
AGE_5_MALE	Age 4-9 years MALE	1	-0.0775028519	0.1662241635	-0.4662550273	0.6410
AGE_6_MALE	Age 10-14 years MALE	1	0.0129262264	0.1710546703	0.0755678078	0.9398
AGE_7_MALE	Age 15-17 years MALE	1	0.5020966635	0.1968737498	2.5503484545	0.0108
PD10_NonWt_1	PD10 Comorbidity count using non-weighted method, category 1	1	0.7722683002	0.0819980883	9.4181256682	<.0001
PD10_NonWt_2	PD10 Comorbidity count using non-weighted method, category 2	1	0.8703720289	0.0926375162	9.3954594653	<.0001
ODC903	Ventilator Dependence flag	1	0.6275458388	0.1240291886	5.0596625342	<.0001
d_DXCCSR_DIG025_123	Other specified and unspecified gastrointestinal disorders	1	0.3363325784	0.0752118423	4.4718034839	<.0001
d_DXCCSR_END008_123	Malnutrition	1	0.1880017806	0.1055007516	1.7819947041	0.0748
d_DXCCSR_END011_123	Fluid and electrolyte disorders	1	0.2401517209	0.0891108527	2.6949772521	0.0070
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.7932149380	0.0847983893	9.3541274119	<.0001
d_DXCCSR_RSP012_123	Respiratory failure; insufficiency; arrest	1	0.9864599116	0.0892981019	11.0468183650	<.0001

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
d_DXCCSR_SYM016_123	Other general signs and symptoms	1	-0.4180291999	0.0844799968	-4.9482624937	<.0001
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.3350025174	0.0856233231	3.9125147831	<.0001
GPPD10_2	Non-elective clean	1	0.3777553053	0.1197742802	3.1538933461	0.0016
GPPD10_3	Elective clean-contam	1	0.6799274348	0.1091020593	6.2320311721	<.0001
GPPD10_4	Non-elective other	1	1.3483296266	0.1191311226	11.3180300632	<.0001
HPPD10_2	Medium immune risk	1	0.9386507410	0.1401862782	6.6957390763	<.0001
HPPD10_3	High immune risk	1	1.7095833546	0.0778127872	21.9704680490	<.0001

c-statistic=0.871

**Table 6. Risk Adjustment Coefficients (non SES) for PDI 12 – Central Venous Catheter-Related Blood Stream Infection Rate**

Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
Intercept	Intercept	1	-7.597142606	0.1639009936	-46.3520228805	<.0001
AGE_1	Age Days 0-59	1	0.1793185954	0.1861634951	0.9632317838	0.3354
AGE_2	Age Days 60-179	1	0.0137636742	0.1963158684	0.0701098402	0.9441
AGE_3	Age Days 180-364	1	0.0413395271	0.2311968765	0.1788065986	0.8581
AGE_5	Age 4-9 years	1	-0.9108248851	0.1732081070	-5.2585580470	<.0001
AGE_6	Age 10-14 years	1	-1.259548689	0.2410570713	-5.2251057483	<.0001
AGE_7	Age 15-17 years	1	-1.036702981	0.2312225684	-4.4835717754	<.0001
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.2862154207	0.1422511328	-2.0120431736	0.0442
AGE_1_MALE	Age Days 0-59 MALE	1	0.1813063305	0.1811908856	1.0006371453	0.3170
AGE_2_MALE	Age Days 60-179 MALE	1	-0.1774689119	0.2802530902	-0.6332451561	0.5266
AGE_3_MALE	Age Days 180-364 MALE	1	0.0143271386	0.2605086878	0.0549967785	0.9561
AGE_5_MALE	Age 4-9 years MALE	1	0.4380999002	0.2387861973	1.8346952428	0.0666
AGE_6_MALE	Age 10-14 years MALE	1	0.4933406778	0.3411781353	1.4459914828	0.1482
AGE_7_MALE	Age 15-17 years MALE	1	0.2737209525	0.3088985401	0.8861192816	0.3756

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Parameter	Label	DF	Estimate	Standard Error	Z-Statistics	Prob Z-Statistics
PD12_NonWt_1	PD12 Comorbidity count using non-weighted method, category 1	1	0.9028673192	0.1237198654	7.2976746007	<.0001
ODC903	Ventilator Dependence flag	1	0.8750115568	0.1752692767	4.9923841368	<.0001
d_DXCCSR_END011_123	Fluid and electrolyte disorders	1	0.3961876302	0.1053912621	3.7592075691	0.0002
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	1.1953792592	0.1007941461	11.8596099595	<.0001
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.5291881351	0.1030396286	5.1357729281	<.0001
GPPD12_2	Medium CLABSI risk	1	1.4566582346	0.2529978274	5.7575918717	<.0001
GPPD12_3	High CLABSI risk	1	2.7849471996	0.1103556885	25.2361000798	<.0001
MEDICDR	Medical DRGs flag	1	-1.416147822	0.0949409566	-14.9160896773	<.0001

c-statistic=0.918

**Table 7. Risk Adjustment Coefficients (non SES) for PDI 14 – Asthma Admission Rate**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-6.210843517	0.0091894459	456796.2411330900	<.0001
SEX	Female	1	-0.4791249785	0.0150628865	1011.7686530120	<.0001
AGECAT2	Age 5-9	1	-0.5384118451	0.0130136752	1711.7064456268	<.0001
AGECAT3	Age 10-14	1	-1.380739825	0.0165880543	6928.3976646031	<.0001
AGECAT4	Age 15-17	1	-2.231075863	0.0288147466	5995.1363555990	<.0001
FAGECAT2	Female, Age 5-9	1	0.0717036988	0.0210939233	11.5549585855	0.0007
FAGECAT3	Female, Age 10-14	1	0.2417247940	0.0258802660	87.2378444904	<.0001
FAGECAT4	Female, Age 15-17	1	0.7692723786	0.0394202770	380.8210394517	<.0001

c-statistic=0.676

**Table 8. Risk Adjustment Coefficients (non SES) for PDI 15 – Diabetes Short-Term Complications Admission Rate**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.906669097	0.0209007594	143107.6979889020	<.0001
SEX	Female	1	0.0946408465	0.0291674885	10.5283220884	0.0012
AGECAT2	Age 5-9	1	-1.107618452	0.0381696319	842.0626812438	<.0001
AGECAT3	Age 10-14	1	-0.2079626764	0.0275405398	57.0198273626	<.0001
FAGECAT2	Female, Age 5-9	1	0.0296361996	0.0530240642	0.3123913469	0.5762
FAGECAT3	Female, Age 10-14	1	0.0254725201	0.0383395917	0.4414168029	0.5064

c-statistic=0.604

**Table 9. Risk Adjustment Coefficients (non SES) for PDI 16 – Gastroenteritis Admission Rate**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.138657048	0.0121010332	348007.1201835870	<.0001
SEX	Female	1	-0.1726329568	0.0181238060	90.7295189273	<.0001
AGECAT2	Age 5-9	1	-1.395425821	0.0263588397	2802.5987931330	<.0001
AGECAT3	Age 10-14	1	-2.033764404	0.0339049545	3598.1142713514	<.0001
AGECAT4	Age 15-17	1	-2.034610052	0.0427466706	2265.4672217782	<.0001
FAGECAT2	Female, Age 5-9	1	0.0232856683	0.0392605417	0.3517748931	0.5531
FAGECAT3	Female, Age 10-14	1	0.0874379392	0.0497055034	3.0945027456	0.0786
FAGECAT4	Female, Age 15-17	1	0.4940419330	0.0572584694	74.4471635440	<.0001

c-statistic=0.72



**Table 10. Risk Adjustment Coefficients (non SES) for PDI 18 – Urinary Tract Infection Admission Rate**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-8.847776556	0.0284230631	96900.6149669717	<.0001
SEX	Female	1	1.3771836070	0.0319578224	1857.0745158276	<.0001
AGECAT2	Age 5-9	1	-1.136120887	0.0560751897	410.4947293252	<.0001
AGECAT3	Age 10-14	1	-1.458026883	0.0626357599	541.8590888944	<.0001
AGECAT4	Age 15-17	1	-1.284772581	0.0720694781	317.7969788944	<.0001
FAGECAT2	Female, Age 5-9	1	0.3071099346	0.0617305830	24.7506708327	<.0001
FAGECAT3	Female, Age 10-14	1	-0.1072033407	0.0710576365	2.2761198284	0.1314
FAGECAT4	Female, Age 15-17	1	0.7363819631	0.0771977954	90.9905916944	<.0001

c-statistic=0.741

**Table 11. Risk Adjustment Coefficients (non SES) for PDI 90 – Pediatric Quality Overall Composite**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.217751303	0.0148157601	237331.8114800240	<.0001
SEX	Female	1	0.4714385702	0.0190343735	613.4413503531	<.0001
AGECAT2	Age 5-9	1	0.6670499153	0.0175092079	1451.3884736158	<.0001
AGECAT3	Age 10-14	1	0.2558032699	0.0179222866	203.7160971631	<.0001
FAGECAT2	Female, Age 5-9	1	-0.6070310942	0.0235255778	665.7961472166	<.0001
FAGECAT3	Female, Age 10-14	1	-0.4602217830	0.0238518177	372.2985778595	<.0001

c-statistic=0.556

**Table 12. Risk Adjustment Coefficients (non SES) for PDI 91 – Pediatric Quality Acute Composite**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-8.810136614	0.0328286051	72021.2121990798	<.0001
SEX	Female	1	1.1713840931	0.0377600578	962.3506482705	<.0001
AGECAT2	Age 5-9	1	0.4507081858	0.0400971710	126.3465615771	<.0001
AGECAT3	Age 10-14	1	-0.0431386033	0.0418417138	1.0629509634	0.3025
FAGECAT2	Female, Age 5-9	1	-0.6510750208	0.0478012555	185.5168921024	<.0001
FAGECAT3	Female, Age 10-14	1	-0.7309295644	0.0505055370	209.4464823250	<.0001

c-statistic=0.621

**Table 13. Risk Adjustment Coefficients (non SES) for PDI 92 – Pediatric Quality Chronic Composite**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
INTERCEPT	Intercept	1	-7.445496961	0.0166002061	201168.7065762210	<.0001
SEX	Female	1	0.1714351695	0.0227463628	56.8036075210	<.0001
AGECAT2	Age 5-9	1	0.7153690579	0.0194857570	1347.8008924848	<.0001
AGECAT3	Age 10-14	1	0.3197268175	0.0198830973	258.5770961087	<.0001
FAGECAT2	Female, Age 5-9	1	-0.5078049685	0.0278142096	333.3192874371	<.0001
FAGECAT3	Female, Age 10-14	1	-0.2604823395	0.0278156857	87.6954431687	<.0001

c-statistic=0.558

**Table 14. Risk Adjustment Coefficients (non SES) for NQI 03 – Neonatal Blood Stream Infection Rate**

Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
Intercept	Intercept	1	-5.031432098	0.2468850440	-20.3796553103	<.0001
AGEDAY_0	AgeDay=0	1	-0.1086791905	0.2360615974	-0.4603848814	0.6452
MALE	Patient Sex Flag: 1=Male / 0=Female	1	-0.3373786826	0.2733721970	-1.2341367790	0.2172
AGEDAY_0_MALE	AgeDay=0 MALE	1	0.6341509637	0.2782044765	2.2794419835	0.0226
ODC903	Ventilator Dependence flag	1	0.6986229759	0.1691521433	4.1301455728	<.0001
MDRG_1502	EXTREME IMMATURITY OR RESPIRATORY DISTRESS SYNDROME	1	-0.3996960269	0.0761004389	-5.2522171041	<.0001
MDRG_1503	PREMATURITY W MAJOR PROBLEMS	1	-0.8067739015	0.1343347380	-6.0056982557	<.0001
MDRG_1505	FULL TERM NEONATE W MAJOR PROBLEMS	1	-0.7231277463	0.1981369856	-3.6496353472	0.0003
d_DXCCSR_BLD007_123	Diseases of white blood cells	1	-0.4203747670	0.2553838824	-1.6460504987	0.0998
d_DXCCSR_CIR031_123	Hypotension	1	-0.3358298616	0.1336305025	-2.5131227925	0.0120
d_DXCCSR_DIG025_123	Other specified and unspecified gastrointestinal disorders	1	0.6723363771	0.2607458118	2.5785126614	0.0099
d_DXCCSR_END007_123	Nutritional deficiencies	1	0.4525243819	0.2788898944	1.6225915350	0.1047
d_DXCCSR_END015_123	Other specified and unspecified endocrine disorders	1	0.3368051319	0.2361978728	1.4259448145	0.1539
d_DXCCSR_FAC004_123	Encounter for prophylactic or other procedures	1	-0.3097319427	0.1720804970	-1.7999247333	0.0719
d_DXCCSR_INF003_123	Bacterial infections	1	0.7719296623	0.2532143378	3.0485227213	0.0023
d_DXCCSR_MAL001_123	Cardiac and circulatory congenital anomalies	1	0.9195795600	0.0747084988	12.3089015979	<.0001
d_DXCCSR_MAL002_123	Digestive congenital anomalies	1	0.1432011547	0.1059056336	1.3521580478	0.1763
d_DXCCSR_MAL003_123	Genitourinary congenital anomalies	1	0.2012904616	0.0868625671	2.3173441475	0.0205
d_DXCCSR_MAL004_123	Nervous system congenital anomalies	1	0.2733393859	0.0964068447	2.8352694941	0.0046
d_DXCCSR_MAL007_123	Respiratory congenital malformations	1	0.2478470741	0.1277563844	1.9399975610	0.0524

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Parameter	Label	DF	Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square
d_DXCCSR_MAL009_123	Chromosomal abnormalities	1	-0.2359911790	0.1845456078	-1.2787688736	0.2010
d_DXCCSR_MAL010_123	Other specified and unspecified congenital anomalies	1	0.0929269346	0.1149994137	0.8080644206	0.4191
d_DXCCSR_MUS028_123	Other specified bone disease and musculoskeletal deformities	1	0.1737291258	0.1739327436	0.9988293307	0.3179
d_DXCCSR_PNL002_123	Short gestation; low birth weight; and fetal growth retardation	1	0.6767040868	0.1391210081	4.8641401922	<.0001
d_DXCCSR_PNL003_123	Neonatal acidemia and hypoxia	1	-0.0922558738	0.0910326734	-1.0134369381	0.3109
d_DXCCSR_PNL005_123	Respiratory distress syndrome	1	-0.1334808738	0.0800569404	-1.6673241957	0.0954
d_DXCCSR_PNL006_123	Respiratory perinatal condition	1	0.1246324219	0.0661608597	1.8837787553	0.0596
d_DXCCSR_PNL007_123	Hemolytic jaundice and perinatal jaundice	1	-0.4578257510	0.0730526586	-6.2670648797	<.0001
d_DXCCSR_PNL010_123	Newborn affected by maternal conditions or complications of labor/delivery	1	-0.3375841518	0.0781035426	-4.3222642752	<.0001
d_DXCCSR_PNL011_123	Hemorrhagic and hematologic disorders of newborn	1	0.1561078962	0.0692556488	2.2540817802	0.0242
d_DXCCSR_PNL012_123	Neonatal digestive and feeding disorders	1	0.0479159209	0.0721016857	0.6645603409	0.5063
d_DXCCSR_PNL013_123	Other specified and unspecified perinatal conditions	1	-0.0962435673	0.0586022327	-1.6423191214	0.1005
d_DXCCSR_PNL014_123	Neonatal abstinence syndrome	1	-0.2888414260	0.1875580916	-1.5400104762	0.1236
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	1	0.0486200015	0.1177791560	0.4128065028	0.6797
BWHTCAT_2	Birth Weight 2000 to 2499 grams	1	-0.3734586215	0.1776099518	-2.1026897290	0.0355
BWHTCAT_3	Birth Weight 1750 to 1999 grams	1	-0.0912880294	0.2403386437	-0.3798308422	0.7041
BWHTCAT_4	Birth Weight 1500 to 1749 grams	1	-0.0745729633	0.1969247764	-0.3786875612	0.7049
BWHTCAT_5	Birth Weight 1250 to 1499 grams	1	-0.1888131212	0.1643404564	-1.1489144268	0.2506
BWHTCAT_6	Birth Weight 1000 to 1249 grams	1	0.5078064318	0.1460260061	3.4775068184	0.0005
BWHTCAT_7	Birth Weight 750 to 999 grams	1	1.3276971393	0.1450083044	9.1560076144	<.0001
BWHTCAT_8	Birth Weight <=749 grams	1	1.7755533921	0.1409844812	12.5939633724	<.0001

c-statistic=0.812

## Appendix: Additional Tables

**Table 15. Population Age and Birth Weight Categories**

AGE IN YEARS CATEGORIES (PAGECAT)	
AGE_5	4 to 9 years
AGE_6	10 to 14 years
AGE_7	15 to 17 years
AGE IN DAYS CATEGORIES (AGEDCAT)	
AGE_2	0 to 59 days
AGE_3	60 to 179 days
AGE_1_2	180 to 364 days
AGE_2_3	< 180 days
BIRTH WEIGHT CATEGORIES (BWHTCAT)	
BWHTCAT_2	2000-2499 grams
BWHTCAT_3	1750-1999 grams
BWHTCAT_4	1500-1749 grams
BWHTCAT_5	1250-1499 grams
BWHTCAT_6	1000-1249 grams
BWHTCAT_7	750-999 grams
BWHTCAT_8	<=749 grams

**Table 16. Modified Diagnosis-Related Group (MDRG) Categories**

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. 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 MS-DRGs into a single MDRG.

Column headers are abbreviated as follows:

- MDC – Major Diagnostic Category
- M/S – Medical / Surgical DRG Indicator (MEDICDR\* / SURGIDR\*)
- MDRG – Modified DRG
- MS-DRG – Diagnosis-Related Group (DRG) Version 38.1

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
01	S	0101	020	INTRACRANIAL VASCULAR PROCEDURES W PDX HEMORRHAGE W MCC
01	S	0101	021	INTRACRANIAL VASCULAR PROCEDURES W PDX HEMORRHAGE W CC
01	S	0101	022	INTRACRANIAL VASCULAR PROCEDURES W PDX HEMORRHAGE W/O CC/MCC
01	S	0102	023	CRANIOTOMY W MAJOR DEVICE IMPLANT OR ACUTE COMPLEX CNS PDX W MCC OR CHEMOTHERAPY IMPLANT OR EPILEPSY W NEUROSTIMULATOR
01	S	0102	024	CRANIO W MAJOR DEV IMPL/ACUTE COMPLEX CNS PDX W/O MCC
01	S	0103	025	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W MCC
01	S	0103	026	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W CC
01	S	0103	027	CRANIOTOMY & ENDOVASCULAR INTRACRANIAL PROCEDURES W/O CC/MCC
01	S	0104	028	SPINAL PROCEDURES W MCC
01	S	0104	029	SPINAL PROCEDURES W CC OR SPINAL NEUROSTIMULATORS
01	S	0104	030	SPINAL PROCEDURES W/O CC/MCC
01	S	0105	031	VENTRICULAR SHUNT PROCEDURES W MCC
01	S	0105	032	VENTRICULAR SHUNT PROCEDURES W CC
01	S	0105	033	VENTRICULAR SHUNT PROCEDURES W/O CC/MCC
01	S	0106	034	CAROTID ARTERY STENT PROCEDURE W MCC
01	S	0106	035	CAROTID ARTERY STENT PROCEDURE W CC
01	S	0106	036	CAROTID ARTERY STENT PROCEDURE W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
01	S	0107	037	EXTRACRANIAL PROCEDURES W MCC
01	S	0107	038	EXTRACRANIAL PROCEDURES W CC
01	S	0107	039	EXTRACRANIAL PROCEDURES W/O CC/MCC
01	S	0108	040	PERIPH/CRANIAL NERVE & OTHER NERV SYST PROC W MCC
01	S	0108	041	PERIPH/CRANIAL NERVE & OTHER NERV SYST PROC W CC OR PERIPH NEUROSTIM
01	S	0108	042	PERIPH/CRANIAL NERVE & OTHER NERV SYST PROC W/O CC/MCC
01	M	0109	052	SPINAL DISORDERS & INJURIES W CC/MCC
01	M	0109	053	SPINAL DISORDERS & INJURIES W/O CC/MCC
01	M	0110	054	NERVOUS SYSTEM NEOPLASMS W MCC
01	M	0110	055	NERVOUS SYSTEM NEOPLASMS W/O MCC
01	M	0111	056	DEGENERATIVE NERVOUS SYSTEM DISORDERS W MCC
01	M	0111	057	DEGENERATIVE NERVOUS SYSTEM DISORDERS W/O MCC
01	M	0112	058	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA W MCC
01	M	0112	059	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA W CC
01	M	0112	060	MULTIPLE SCLEROSIS & CEREBELLAR ATAXIA W/O CC/MCC
01	M	0113	061	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA W THROMBOLYTIC AGENT W MCC
01	M	0113	062	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA W THROMBOLYTIC AGENT W CC
01	M	0113	063	ISCHEMIC STROKE, PRECEREBRAL OCCLUSION OR TRANSIENT ISCHEMIA W THROMBOLYTIC AGENT W/O CC/MCC
01	M	0114	064	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W MCC
01	M	0114	065	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W CC OR TPA IN 24 HRS
01	M	0114	066	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W/O CC/MCC
01	M	0115	067	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT W MCC
01	M	0115	068	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT W/O MCC
01	M	0116	069	TRANSIENT ISCHEMIA W/O THROMBOLYTIC
01	M	0117	070	NONSPECIFIC CEREBROVASCULAR DISORDERS W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
01	M	0117	071	NONSPECIFIC CEREBROVASCULAR DISORDERS W CC
01	M	0117	072	NONSPECIFIC CEREBROVASCULAR DISORDERS W/O CC/MCC
01	M	0118	073	CRANIAL & PERIPHERAL NERVE DISORDERS W MCC
01	M	0118	074	CRANIAL & PERIPHERAL NERVE DISORDERS W/O MCC
01	M	0119	075	VIRAL MENINGITIS W CC/MCC
01	M	0119	076	VIRAL MENINGITIS W/O CC/MCC
01	M	0120	077	HYPERTENSIVE ENCEPHALOPATHY W MCC
01	M	0120	078	HYPERTENSIVE ENCEPHALOPATHY W CC
01	M	0120	079	HYPERTENSIVE ENCEPHALOPATHY W/O CC/MCC
01	M	0121	080	NONTRAUMATIC STUPOR & COMA W MCC
01	M	0121	081	NONTRAUMATIC STUPOR & COMA W/O MCC
01	M	0122	082	TRAUMATIC STUPOR & COMA, COMA >1 HR W MCC
01	M	0122	083	TRAUMATIC STUPOR & COMA, COMA >1 HR W CC
01	M	0122	084	TRAUMATIC STUPOR & COMA, COMA >1 HR W/O CC/MCC
01	M	0123	085	TRAUMATIC STUPOR & COMA, COMA <1 HR W MCC
01	M	0123	086	TRAUMATIC STUPOR & COMA, COMA <1 HR W CC
01	M	0123	087	TRAUMATIC STUPOR & COMA, COMA <1 HR W/O CC/MCC
01	M	0124	088	CONCUSSION W MCC
01	M	0124	089	CONCUSSION W CC
01	M	0124	090	CONCUSSION W/O CC/MCC
01	M	0125	091	OTHER DISORDERS OF NERVOUS SYSTEM W MCC
01	M	0125	092	OTHER DISORDERS OF NERVOUS SYSTEM W CC
01	M	0125	093	OTHER DISORDERS OF NERVOUS SYSTEM W/O CC/MCC
01	M	0126	094	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM W MCC
01	M	0126	095	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM W CC
01	M	0126	096	BACTERIAL & TUBERCULOUS INFECTIONS OF NERVOUS SYSTEM W/O CC/MCC
01	M	0127	097	NON-BACTERIAL INFECT OF NERVOUS SYS EXC VIRAL MENINGITIS W MCC



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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
01	M	0127	098	NON-BACTERIAL INFECT OF NERVOUS SYS EXC VIRAL MENINGITIS W CC
01	M	0127	099	NON-BACTERIAL INFECT OF NERVOUS SYS EXC VIRAL MENINGITIS W/O CC/MCC
01	M	0128	100	SEIZURES W MCC
01	M	0128	101	SEIZURES W/O MCC
01	M	0129	102	HEADACHES W MCC
01	M	0129	103	HEADACHES W/O MCC
02	S	0201	113	ORBITAL PROCEDURES W CC/MCC
02	S	0201	114	ORBITAL PROCEDURES W/O CC/MCC
02	S	0202	115	EXTRAOCULAR PROCEDURES EXCEPT ORBIT
02	S	0203	116	INTRAOCULAR PROCEDURES W CC/MCC
02	S	0203	117	INTRAOCULAR PROCEDURES W/O CC/MCC
02	M	0204	121	ACUTE MAJOR EYE INFECTIONS W CC/MCC
02	M	0204	122	ACUTE MAJOR EYE INFECTIONS W/O CC/MCC
02	M	0205	123	NEUROLOGICAL EYE DISORDERS
02	M	0206	124	OTHER DISORDERS OF THE EYE W MCC
02	M	0206	125	OTHER DISORDERS OF THE EYE W/O MCC
03	S	0301	129	MAJOR HEAD & NECK PROCEDURES W CC/MCC OR MAJOR DEVICE
03	S	0301	130	MAJOR HEAD & NECK PROCEDURES W/O CC/MCC
03	S	0301	131	CRANIAL/FACIAL PROCEDURES W CC/MCC
03	S	0301	132	CRANIAL/FACIAL PROCEDURES W/O CC/MCC
03	S	0302	133	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0303	135	SINUS & MASTOID PROCEDURES W CC/MCC
03	S	0303	136	SINUS & MASTOID PROCEDURES W/O CC/MCC
03	S	0304	137	MOUTH PROCEDURES W CC/MCC
03	S	0304	138	MOUTH PROCEDURES W/O CC/MCC
03	S	0305	139	SALIVARY GLAND PROCEDURES

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
03	M	0306	146	EAR, NOSE, MOUTH & THROAT MALIGNANCY W MCC
03	M	0306	147	EAR, NOSE, MOUTH & THROAT MALIGNANCY W CC
03	M	0306	148	EAR, NOSE, MOUTH & THROAT MALIGNANCY W/O CC/MCC
03	M	0307	149	DYSEQUILIBRIUM
03	M	0308	150	EPISTAXIS W MCC
03	M	0308	151	EPISTAXIS W/O MCC
03	M	0309	152	OTITIS MEDIA & URI W MCC
03	M	0309	153	OTITIS MEDIA & URI W/O MCC
03	M	0310	154	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES W MCC
03	M	0310	155	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES W CC
03	M	0310	156	OTHER EAR, NOSE, MOUTH & THROAT DIAGNOSES W/O CC/MCC
03	M	0311	157	DENTAL & ORAL DISEASES W MCC
03	M	0311	158	DENTAL & ORAL DISEASES W CC
03	M	0311	159	DENTAL & ORAL DISEASES W/O CC/MCC
04	S	0401	163	MAJOR CHEST PROCEDURES W MCC
04	S	0401	164	MAJOR CHEST PROCEDURES W CC
04	S	0401	165	MAJOR CHEST PROCEDURES W/O CC/MCC
04	S	0402	166	OTHER RESP SYSTEM O.R. PROCEDURES W MCC
04	S	0402	167	OTHER RESP SYSTEM O.R. PROCEDURES W CC
04	S	0402	168	OTHER RESP SYSTEM O.R. PROCEDURES W/O CC/MCC
04	M	0403	175	PULMONARY EMBOLISM W MCC OR ACUTE COR PULMONALE
04	M	0403	176	PULMONARY EMBOLISM W/O MCC
04	M	0404	177	RESPIRATORY INFECTIONS & INFLAMMATIONS W MCC
04	M	0404	178	RESPIRATORY INFECTIONS & INFLAMMATIONS W CC
04	M	0404	179	RESPIRATORY INFECTIONS & INFLAMMATIONS W/O CC/MCC
04	M	0405	180	RESPIRATORY NEOPLASMS W MCC
04	M	0405	181	RESPIRATORY NEOPLASMS W CC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
04	M	0405	182	RESPIRATORY NEOPLASMS W/O CC/MCC
04	M	0406	183	MAJOR CHEST TRAUMA W MCC
04	M	0406	184	MAJOR CHEST TRAUMA W CC
04	M	0406	185	MAJOR CHEST TRAUMA W/O CC/MCC
04	M	0407	186	PLEURAL EFFUSION W MCC
04	M	0407	187	PLEURAL EFFUSION W CC
04	M	0407	188	PLEURAL EFFUSION W/O CC/MCC
04	M	0408	189	PULMONARY EDEMA & RESPIRATORY FAILURE
04	M	0409	190	CHRONIC OBSTRUCTIVE PULMONARY DISEASE W MCC
04	M	0409	191	CHRONIC OBSTRUCTIVE PULMONARY DISEASE W CC
04	M	0409	192	CHRONIC OBSTRUCTIVE PULMONARY DISEASE W/O CC/MCC
04	M	0410	193	SIMPLE PNEUMONIA & PLEURISY W MCC
04	M	0410	194	SIMPLE PNEUMONIA & PLEURISY W CC
04	M	0410	195	SIMPLE PNEUMONIA & PLEURISY W/O CC/MCC
04	M	0411	196	INTERSTITIAL LUNG DISEASE W MCC
04	M	0411	197	INTERSTITIAL LUNG DISEASE W CC
04	M	0411	198	INTERSTITIAL LUNG DISEASE W/O CC/MCC
04	M	0412	199	PNEUMOTHORAX W MCC
04	M	0412	200	PNEUMOTHORAX W CC
04	M	0412	201	PNEUMOTHORAX W/O CC/MCC
04	M	0413	202	BRONCHITIS & ASTHMA W CC/MCC
04	M	0413	203	BRONCHITIS & ASTHMA W/O CC/MCC
04	M	0414	204	RESPIRATORY SIGNS & SYMPTOMS
04	M	0415	205	OTHER RESPIRATORY SYSTEM DIAGNOSES W MCC
04	M	0415	206	OTHER RESPIRATORY SYSTEM DIAGNOSES W/O MCC
04	M	0416	207	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT >96 HOURS
04	M	0416	208	RESPIRATORY SYSTEM DIAGNOSIS W VENTILATOR SUPPORT <=96 HOURS

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
05	S	0501	215	OTHER HEART ASSIST SYSTEM IMPLANT
05	S	0502	248	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W NON-DRUG-ELUTING STENT W MCC OR 4+ ARTERIES OR STENTS
05	S	0502	249	PERC CARDIOVASC PROC W NON-DRUG-ELUTING STENT W/O MCC
05	S	0503	216	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W MCC
05	S	0503	217	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W CC
05	S	0503	218	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W CARD CATH W/O CC/MCC
05	S	0503	219	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W MCC
05	S	0503	220	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W CC
05	S	0503	221	CARDIAC VALVE & OTH MAJ CARDIOTHORACIC PROC W/O CARD CATH W/O CC/MCC
05	S	0504	222	CARDIAC DEFIB IMPLANT W CARDIAC CATH W AMI/HF/SHOCK W MCC
05	S	0504	223	CARDIAC DEFIB IMPLANT W CARDIAC CATH W AMI/HF/SHOCK W/O MCC
05	S	0504	224	CARDIAC DEFIB IMPLANT W CARDIAC CATH W/O AMI/HF/SHOCK W MCC
05	S	0504	225	CARDIAC DEFIB IMPLANT W CARDIAC CATH W/O AMI/HF/SHOCK W/O MCC
05	S	0504	226	CARDIAC DEFIBRILLATOR IMPLANT W/O CARDIAC CATH W MCC
05	S	0504	227	CARDIAC DEFIBRILLATOR IMPLANT W/O CARDIAC CATH W/O MCC
05	S	0505	228	OTHER CARDIOTHORACIC PROCEDURES W MCC
05	S	0505	229	OTHER CARDIOTHORACIC PROCEDURES W/O MCC
05	S	0506	231	CORONARY BYPASS W PTCA W MCC
05	S	0506	232	CORONARY BYPASS W PTCA W/O MCC
05	S	0507	233	CORONARY BYPASS W CARDIAC CATH W MCC
05	S	0507	234	CORONARY BYPASS W CARDIAC CATH W/O MCC
05	S	0507	235	CORONARY BYPASS W/O CARDIAC CATH W MCC
05	S	0507	236	CORONARY BYPASS W/O CARDIAC CATH W/O MCC
05	S	0509	239	AMPUTATION FOR CIRC SYS DISORDERS EXC UPPER LIMB & TOE W MCC
05	S	0509	240	AMPUTATION FOR CIRC SYS DISORDERS EXC UPPER LIMB & TOE W CC
05	S	0509	241	AMPUTATION FOR CIRC SYS DISORDERS EXC UPPER LIMB & TOE W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
05	S	0510	242	PERMANENT CARDIAC PACEMAKER IMPLANT W MCC
05	S	0510	243	PERMANENT CARDIAC PACEMAKER IMPLANT W CC
05	S	0510	244	PERMANENT CARDIAC PACEMAKER IMPLANT W/O CC/MCC
05	S	0510	245	AICD GENERATOR PROCEDURES
05	S	0510	265	AICD LEAD PROCEDURES
05	S	0511	246	PERCUTANEOUS CARDIOVASCULAR PROCEDURES W DRUG-ELUTING STENT W MCC OR 4+ ARTERIES OR STENTS
05	S	0511	247	PERC CARDIOVASC PROC W DRUG-ELUTING STENT W/O MCC
05	S	0513	250	PERC CARDIOVASC PROC W/O CORONARY ARTERY STENT W MCC
05	S	0513	251	PERC CARDIOVASC PROC W/O CORONARY ARTERY STENT W/O MCC
05	S	0514	252	OTHER VASCULAR PROCEDURES W MCC
05	S	0514	253	OTHER VASCULAR PROCEDURES W CC
05	S	0514	254	OTHER VASCULAR PROCEDURES W/O CC/MCC
05	S	0515	255	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS W MCC
05	S	0515	256	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS W CC
05	S	0515	257	UPPER LIMB & TOE AMPUTATION FOR CIRC SYSTEM DISORDERS W/O CC/MCC
05	S	0516	258	CARDIAC PACEMAKER DEVICE REPLACEMENT W MCC
05	S	0516	259	CARDIAC PACEMAKER DEVICE REPLACEMENT W/O MCC
05	S	0517	260	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT W MCC
05	S	0517	261	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT W CC
05	S	0517	262	CARDIAC PACEMAKER REVISION EXCEPT DEVICE REPLACEMENT W/O CC/MCC
05	S	0518	263	VEIN LIGATION & STRIPPING
05	S	0519	264	OTHER CIRCULATORY SYSTEM O.R. PROCEDURES
05	M	0520	280	ACUTE MYOCARDIAL INFARCTION, DISCHARGED ALIVE W MCC
05	M	0520	281	ACUTE MYOCARDIAL INFARCTION, DISCHARGED ALIVE W CC
05	M	0520	282	ACUTE MYOCARDIAL INFARCTION, DISCHARGED ALIVE W/O CC/MCC
05	M	0520	283	ACUTE MYOCARDIAL INFARCTION, EXPIRED W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
05	M	0520	284	ACUTE MYOCARDIAL INFARCTION, EXPIRED W CC
05	M	0520	285	ACUTE MYOCARDIAL INFARCTION, EXPIRED W/O CC/MCC
05	M	0522	286	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W MCC
05	M	0522	287	CIRCULATORY DISORDERS EXCEPT AMI, W CARD CATH W/O MCC
05	M	0523	288	ACUTE & SUBACUTE ENDOCARDITIS W MCC
05	M	0523	289	ACUTE & SUBACUTE ENDOCARDITIS W CC
05	M	0523	290	ACUTE & SUBACUTE ENDOCARDITIS W/O CC/MCC
05	M	0524	291	HEART FAILURE & SHOCK W MCC
05	M	0524	292	HEART FAILURE & SHOCK W CC
05	M	0524	293	HEART FAILURE & SHOCK W/O CC/MCC
05	M	0525	294	DEEP VEIN THROMBOPHLEBITIS W CC/MCC
05	M	0525	295	DEEP VEIN THROMBOPHLEBITIS W/O CC/MCC
05	M	0526	296	CARDIAC ARREST, UNEXPLAINED W MCC
05	M	0526	297	CARDIAC ARREST, UNEXPLAINED W CC
05	M	0526	298	CARDIAC ARREST, UNEXPLAINED W/O CC/MCC
05	M	0527	299	PERIPHERAL VASCULAR DISORDERS W MCC
05	M	0527	300	PERIPHERAL VASCULAR DISORDERS W CC
05	M	0527	301	PERIPHERAL VASCULAR DISORDERS W/O CC/MCC
05	M	0528	302	ATHEROSCLEROSIS W MCC
05	M	0528	303	ATHEROSCLEROSIS W/O MCC
05	M	0529	304	HYPERTENSION W MCC
05	M	0529	305	HYPERTENSION W/O MCC
05	M	0530	306	CARDIAC CONGENITAL & VALVULAR DISORDERS W MCC
05	M	0530	307	CARDIAC CONGENITAL & VALVULAR DISORDERS W/O MCC
05	M	0531	308	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W MCC
05	M	0531	309	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W CC
05	M	0531	310	CARDIAC ARRHYTHMIA & CONDUCTION DISORDERS W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
05	M	0532	311	ANGINA PECTORIS
05	M	0533	312	SYNCOPE & COLLAPSE
05	M	0534	313	CHEST PAIN
05	M	0535	314	OTHER CIRCULATORY SYSTEM DIAGNOSES W MCC
05	M	0535	315	OTHER CIRCULATORY SYSTEM DIAGNOSES W CC
05	M	0535	316	OTHER CIRCULATORY SYSTEM DIAGNOSES W/O CC/MCC
05	S	0536	319	OTHER ENDOVASCULAR CARDIAC VALVE PROCEDURES W MCC
05	S	0536	320	OTHER ENDOVASCULAR CARDIAC VALVE PROCEDURES W/O MCC
05	S	0540	266	ENDOVASCULAR CARDIAC VALVE REPLACEMENT & SUPPLEMENT PROCEDURES W MCC
05	S	0540	267	ENDOVASCULAR CARDIAC VALVE REPLACEMENT & SUPPLEMENT PROCEDURES W/O MCC
05	S	0541	268	AORTIC AND HEART ASSIST PROCEDURES EXCEPT PULSATION BALLOON W MCC
05	S	0541	269	AORTIC AND HEART ASSIST PROCEDURES EXCEPT PULSATION BALLOON W/O MCC
05	S	0542	270	OTHER MAJOR CARDIOVASCULAR PROCEDURES W MCC
05	S	0542	271	OTHER MAJOR CARDIOVASCULAR PROCEDURES W CC
05	S	0542	272	OTHER MAJOR CARDIOVASCULAR PROCEDURES W/O CC/MCC
05	S	0543	273	PERCUTANEOUS INTRACARDIAC PROCEDURES W MCC
05	S	0543	274	PERCUTANEOUS INTRACARDIAC PROCEDURES W/O MCC
06	S	0601	326	STOMACH, ESOPHAGEAL & DUODENAL PROC W MCC
06	S	0601	327	STOMACH, ESOPHAGEAL & DUODENAL PROC W CC
06	S	0601	328	STOMACH, ESOPHAGEAL & DUODENAL PROC W/O CC/MCC
06	S	0602	329	MAJOR SMALL & LARGE BOWEL PROCEDURES W MCC
06	S	0602	330	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC
06	S	0602	331	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC/MCC
06	S	0603	332	RECTAL RESECTION W MCC
06	S	0603	333	RECTAL RESECTION W CC
06	S	0603	334	RECTAL RESECTION W/O CC/MCC
06	S	0604	335	PERITONEAL ADHESIOLYSIS W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
06	S	0604	336	PERITONEAL ADHESIOLYSIS W CC
06	S	0604	337	PERITONEAL ADHESIOLYSIS W/O CC/MCC
06	S	0605	338	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W MCC
06	S	0605	339	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W CC
06	S	0605	340	APPENDECTOMY W COMPLICATED PRINCIPAL DIAG W/O CC/MCC
06	S	0606	341	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W MCC
06	S	0606	342	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W CC
06	S	0606	343	APPENDECTOMY W/O COMPLICATED PRINCIPAL DIAG W/O CC/MCC
06	S	0607	344	MINOR SMALL & LARGE BOWEL PROCEDURES W MCC
06	S	0607	345	MINOR SMALL & LARGE BOWEL PROCEDURES W CC
06	S	0607	346	MINOR SMALL & LARGE BOWEL PROCEDURES W/O CC/MCC
06	S	0608	347	ANAL & STOMAL PROCEDURES W MCC
06	S	0608	348	ANAL & STOMAL PROCEDURES W CC
06	S	0608	349	ANAL & STOMAL PROCEDURES W/O CC/MCC
06	S	0609	350	INGUINAL & FEMORAL HERNIA PROCEDURES W MCC
06	S	0609	351	INGUINAL & FEMORAL HERNIA PROCEDURES W CC
06	S	0609	352	INGUINAL & FEMORAL HERNIA PROCEDURES W/O CC/MCC
06	S	0610	353	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL W MCC
06	S	0610	354	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL W CC
06	S	0610	355	HERNIA PROCEDURES EXCEPT INGUINAL & FEMORAL W/O CC/MCC
06	S	0611	356	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W MCC
06	S	0611	357	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W CC
06	S	0611	358	OTHER DIGESTIVE SYSTEM O.R. PROCEDURES W/O CC/MCC
06	M	0612	368	MAJOR ESOPHAGEAL DISORDERS W MCC
06	M	0612	369	MAJOR ESOPHAGEAL DISORDERS W CC
06	M	0612	370	MAJOR ESOPHAGEAL DISORDERS W/O CC/MCC
06	M	0613	371	MAJOR GASTROINTESTINAL DISORDERS & PERITONEAL INFECTIONS W MCC



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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
06	M	0613	372	MAJOR GASTROINTESTINAL DISORDERS & PERITONEAL INFECTIONS W CC
06	M	0613	373	MAJOR GASTROINTESTINAL DISORDERS & PERITONEAL INFECTIONS W/O CC/MCC
06	M	0614	374	DIGESTIVE MALIGNANCY W MCC
06	M	0614	375	DIGESTIVE MALIGNANCY W CC
06	M	0614	376	DIGESTIVE MALIGNANCY W/O CC/MCC
06	M	0615	377	G.I. HEMORRHAGE W MCC
06	M	0615	378	G.I. HEMORRHAGE W CC
06	M	0615	379	G.I. HEMORRHAGE W/O CC/MCC
06	M	0616	380	COMPLICATED PEPTIC ULCER W MCC
06	M	0616	381	COMPLICATED PEPTIC ULCER W CC
06	M	0616	382	COMPLICATED PEPTIC ULCER W/O CC/MCC
06	M	0617	383	UNCOMPLICATED PEPTIC ULCER W MCC
06	M	0617	384	UNCOMPLICATED PEPTIC ULCER W/O MCC
06	M	0618	385	INFLAMMATORY BOWEL DISEASE W MCC
06	M	0618	386	INFLAMMATORY BOWEL DISEASE W CC
06	M	0618	387	INFLAMMATORY BOWEL DISEASE W/O CC/MCC
06	M	0619	388	G.I. OBSTRUCTION W MCC
06	M	0619	389	G.I. OBSTRUCTION W CC
06	M	0619	390	G.I. OBSTRUCTION W/O CC/MCC
06	M	0620	391	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS W MCC
06	M	0620	392	ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS W/O MCC
06	M	0621	393	OTHER DIGESTIVE SYSTEM DIAGNOSES W MCC
06	M	0621	394	OTHER DIGESTIVE SYSTEM DIAGNOSES W CC
06	M	0621	395	OTHER DIGESTIVE SYSTEM DIAGNOSES W/O CC/MCC
07	S	0701	405	PANCREAS, LIVER & SHUNT PROCEDURES W MCC
07	S	0701	406	PANCREAS, LIVER & SHUNT PROCEDURES W CC
07	S	0701	407	PANCREAS, LIVER & SHUNT PROCEDURES W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
07	S	0702	408	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W MCC
07	S	0702	409	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W CC
07	S	0702	410	BILIARY TRACT PROC EXCEPT ONLY CHOLECYST W OR W/O C.D.E. W/O CC/MCC
07	S	0703	411	CHOLECYSTECTOMY W C.D.E. W MCC
07	S	0703	412	CHOLECYSTECTOMY W C.D.E. W CC
07	S	0703	413	CHOLECYSTECTOMY W C.D.E. W/O CC/MCC
07	S	0704	414	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W MCC
07	S	0704	415	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W CC
07	S	0704	416	CHOLECYSTECTOMY EXCEPT BY LAPAROSCOPE W/O C.D.E. W/O CC/MCC
07	S	0705	417	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W MCC
07	S	0705	418	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W CC
07	S	0705	419	LAPAROSCOPIC CHOLECYSTECTOMY W/O C.D.E. W/O CC/MCC
07	S	0706	420	HEPATOBIILIARY DIAGNOSTIC PROCEDURES W MCC
07	S	0706	421	HEPATOBIILIARY DIAGNOSTIC PROCEDURES W CC
07	S	0706	422	HEPATOBIILIARY DIAGNOSTIC PROCEDURES W/O CC/MCC
07	S	0707	423	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES W MCC
07	S	0707	424	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES W CC
07	S	0707	425	OTHER HEPATOBIILIARY OR PANCREAS O.R. PROCEDURES W/O CC/MCC
07	M	0708	432	CIRRHOSIS & ALCOHOLIC HEPATITIS W MCC
07	M	0708	433	CIRRHOSIS & ALCOHOLIC HEPATITIS W CC
07	M	0708	434	CIRRHOSIS & ALCOHOLIC HEPATITIS W/O CC/MCC
07	M	0709	435	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS W MCC
07	M	0709	436	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS W CC
07	M	0709	437	MALIGNANCY OF HEPATOBIILIARY SYSTEM OR PANCREAS W/O CC/MCC
07	M	0710	438	DISORDERS OF PANCREAS EXCEPT MALIGNANCY W MCC
07	M	0710	439	DISORDERS OF PANCREAS EXCEPT MALIGNANCY W CC
07	M	0710	440	DISORDERS OF PANCREAS EXCEPT MALIGNANCY W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
07	M	0711	441	DISORDERS OF LIVER EXCEPT MALIG, CIRRH, ALC HEPA W MCC
07	M	0711	442	DISORDERS OF LIVER EXCEPT MALIG, CIRRH, ALC HEPA W CC
07	M	0711	443	DISORDERS OF LIVER EXCEPT MALIG, CIRRH, ALC HEPA W/O CC/MCC
07	M	0712	444	DISORDERS OF THE BILIARY TRACT W MCC
07	M	0712	445	DISORDERS OF THE BILIARY TRACT W CC
07	M	0712	446	DISORDERS OF THE BILIARY TRACT W/O CC/MCC
08	S	0801	453	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W MCC
08	S	0801	454	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W CC
08	S	0801	455	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W/O CC/MCC
08	S	0802	456	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W MCC
08	S	0802	457	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W CC
08	S	0802	458	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W/O CC/MCC
08	S	0803	459	SPINAL FUSION EXCEPT CERVICAL W MCC
08	S	0803	460	SPINAL FUSION EXCEPT CERVICAL W/O MCC
08	S	0804	461	BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMITY W MCC
08	S	0804	462	BILATERAL OR MULTIPLE MAJOR JOINT PROCS OF LOWER EXTREMITY W/O MCC
08	S	0805	463	WND DEBRID & SKN GRFT EXC HAND, FOR MUSCULO-CONN TISS DIS W MCC
08	S	0805	464	WND DEBRID & SKN GRFT EXC HAND, FOR MUSCULO-CONN TISS DIS W CC
08	S	0805	465	WND DEBRID & SKN GRFT EXC HAND, FOR MUSCULO-CONN TISS DIS W/O CC/MCC
08	S	0806	466	REVISION OF HIP OR KNEE REPLACEMENT W MCC
08	S	0806	467	REVISION OF HIP OR KNEE REPLACEMENT W CC
08	S	0806	468	REVISION OF HIP OR KNEE REPLACEMENT W/O CC/MCC
08	S	0807	469	MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W MCC OR TOTAL ANKLE REPLACEMENT
08	S	0807	470	MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC
08	S	0808	471	CERVICAL SPINAL FUSION W MCC
08	S	0808	472	CERVICAL SPINAL FUSION W CC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
08	S	0808	473	CERVICAL SPINAL FUSION W/O CC/MCC
08	S	0809	474	AMPUTATION FOR MUSCULOSKELETAL SYS & CONN TISSUE DIS W MCC
08	S	0809	475	AMPUTATION FOR MUSCULOSKELETAL SYS & CONN TISSUE DIS W CC
08	S	0809	476	AMPUTATION FOR MUSCULOSKELETAL SYS & CONN TISSUE DIS W/O CC/MCC
08	S	0810	477	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W MCC
08	S	0810	478	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W CC
08	S	0810	479	BIOPSIES OF MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W/O CC/MCC
08	S	0811	480	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W MCC
08	S	0811	481	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W CC
08	S	0811	482	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W/O CC/MCC
08	S	0812	483	MAJOR JOINT/LIMB REATTACHMENT PROCEDURE OF UPPER EXTREMITIES
08	S	0813	485	KNEE PROCEDURES W PDX OF INFECTION W MCC
08	S	0813	486	KNEE PROCEDURES W PDX OF INFECTION W CC
08	S	0813	487	KNEE PROCEDURES W PDX OF INFECTION W/O CC/MCC
08	S	0814	488	KNEE PROCEDURES W/O PDX OF INFECTION W CC/MCC
08	S	0814	489	KNEE PROCEDURES W/O PDX OF INFECTION W/O CC/MCC
08	S	0815	518	BACK & NECK PROC EXC SPINAL FUSION W MCC OR DISC DEVICE/NEUROSTIM
08	S	0815	519	BACK & NECK PROC EXC SPINAL FUSION W CC
08	S	0815	520	BACK & NECK PROC EXC SPINAL FUSION W/O CC/MCC
08	S	0816	492	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR W MCC
08	S	0816	493	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR W CC
08	S	0816	494	LOWER EXTREM & HUMER PROC EXCEPT HIP, FOOT, FEMUR W/O CC/MCC
08	S	0817	495	LOCAL EXCISION & REMOVAL INT FIX DEVICES EXC HIP & FEMUR W MCC
08	S	0817	496	LOCAL EXCISION & REMOVAL INT FIX DEVICES EXC HIP & FEMUR W CC
08	S	0817	497	LOCAL EXCISION & REMOVAL INT FIX DEVICES EXC HIP & FEMUR W/O CC/MCC
08	S	0818	498	LOCAL EXCISION & REMOVAL INT FIX DEVICES OF HIP & FEMUR W CC/MCC
08	S	0818	499	LOCAL EXCISION & REMOVAL INT FIX DEVICES OF HIP & FEMUR W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
08	S	0819	500	SOFT TISSUE PROCEDURES W MCC
08	S	0819	501	SOFT TISSUE PROCEDURES W CC
08	S	0819	502	SOFT TISSUE PROCEDURES W/O CC/MCC
08	S	0820	503	FOOT PROCEDURES W MCC
08	S	0820	504	FOOT PROCEDURES W CC
08	S	0820	505	FOOT PROCEDURES W/O CC/MCC
08	S	0821	506	MAJOR THUMB OR JOINT PROCEDURES
08	S	0822	507	MAJOR SHOULDER OR ELBOW JOINT PROCEDURES W CC/MCC
08	S	0822	508	MAJOR SHOULDER OR ELBOW JOINT PROCEDURES W/O CC/MCC
08	S	0823	509	ARTHROSCOPY
08	S	0824	510	SHOULDER, ELBOW OR FOREARM PROC, EXC MAJOR JOINT PROC W MCC
08	S	0824	511	SHOULDER, ELBOW OR FOREARM PROC, EXC MAJOR JOINT PROC W CC
08	S	0824	512	SHOULDER, ELBOW OR FOREARM PROC, EXC MAJOR JOINT PROC W/O CC/MCC
08	S	0825	513	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W CC/MCC
08	S	0825	514	HAND OR WRIST PROC, EXCEPT MAJOR THUMB OR JOINT PROC W/O CC/MCC
08	S	0826	515	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W MCC
08	S	0826	516	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W CC
08	S	0826	517	OTHER MUSCULOSKELET SYS & CONN TISS O.R. PROC W/O CC/MCC
08	M	0827	533	FRACTURES OF FEMUR W MCC
08	M	0827	534	FRACTURES OF FEMUR W/O MCC
08	M	0828	535	FRACTURES OF HIP & PELVIS W MCC
08	M	0828	536	FRACTURES OF HIP & PELVIS W/O MCC
08	M	0829	537	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W CC/MCC
08	M	0829	538	SPRAINS, STRAINS, & DISLOCATIONS OF HIP, PELVIS & THIGH W/O CC/MCC
08	M	0830	539	OSTEOMYELITIS W MCC
08	M	0830	540	OSTEOMYELITIS W CC
08	M	0830	541	OSTEOMYELITIS W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
08	M	0831	542	PATHOLOGICAL FRACTURES & MUSCULOSKELET & CONN TISS MALIG W MCC
08	M	0831	543	PATHOLOGICAL FRACTURES & MUSCULOSKELET & CONN TISS MALIG W CC
08	M	0831	544	PATHOLOGICAL FRACTURES & MUSCULOSKELET & CONN TISS MALIG W/O CC/MCC
08	M	0832	545	CONNECTIVE TISSUE DISORDERS W MCC
08	M	0832	546	CONNECTIVE TISSUE DISORDERS W CC
08	M	0832	547	CONNECTIVE TISSUE DISORDERS W/O CC/MCC
08	M	0833	548	SEPTIC ARTHRITIS W MCC
08	M	0833	549	SEPTIC ARTHRITIS W CC
08	M	0833	550	SEPTIC ARTHRITIS W/O CC/MCC
08	M	0834	551	MEDICAL BACK PROBLEMS W MCC
08	M	0834	552	MEDICAL BACK PROBLEMS W/O MCC
08	M	0835	553	BONE DISEASES & ARTHROPATHIES W MCC
08	M	0835	554	BONE DISEASES & ARTHROPATHIES W/O MCC
08	M	0836	555	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE W MCC
08	M	0836	556	SIGNS & SYMPTOMS OF MUSCULOSKELETAL SYSTEM & CONN TISSUE W/O MCC
08	M	0837	557	TENDONITIS, MYOSITIS & BURSITIS W MCC
08	M	0837	558	TENDONITIS, MYOSITIS & BURSITIS W/O MCC
08	M	0838	559	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W MCC
08	M	0838	560	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W CC
08	M	0838	561	AFTERCARE, MUSCULOSKELETAL SYSTEM & CONNECTIVE TISSUE W/O CC/MCC
08	M	0839	562	FX, SPRN, STRN & DISL EXCEPT FEMUR, HIP, PELVIS & THIGH W MCC
08	M	0839	563	FX, SPRN, STRN & DISL EXCEPT FEMUR, HIP, PELVIS & THIGH W/O MCC
08	M	0840	564	OTHER MUSCULOSKELETAL SYS & CONNECTIVE TISSUE DIAGNOSES W MCC
08	M	0840	565	OTHER MUSCULOSKELETAL SYS & CONNECTIVE TISSUE DIAGNOSES W CC
08	M	0840	566	OTHER MUSCULOSKELETAL SYS & CONNECTIVE TISSUE DIAGNOSES W/O CC/MCC
09	S	0901	570	SKIN DEBRIDEMENT W MCC
09	S	0901	571	SKIN DEBRIDEMENT W CC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
09	S	0901	572	SKIN DEBRIDEMENT W/O CC/MCC
09	S	0901	573	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS W MCC
09	S	0901	574	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS W CC
09	S	0901	575	SKIN GRAFT FOR SKIN ULCER OR CELLULITIS W/O CC/MCC
09	S	0902	576	SKIN GRAFT EXC FOR SKIN ULCER OR CELLULITIS W MCC
09	S	0902	577	SKIN GRAFT EXC FOR SKIN ULCER OR CELLULITIS W CC
09	S	0902	578	SKIN GRAFT EXC FOR SKIN ULCER OR CELLULITIS W/O CC/MCC
09	S	0903	579	OTHER SKIN, SUBCUT TISS & BREAST PROC W MCC
09	S	0903	580	OTHER SKIN, SUBCUT TISS & BREAST PROC W CC
09	S	0903	581	OTHER SKIN, SUBCUT TISS & BREAST PROC W/O CC/MCC
09	S	0904	582	MASTECTOMY FOR MALIGNANCY W CC/MCC
09	S	0904	583	MASTECTOMY FOR MALIGNANCY W/O CC/MCC
09	S	0905	584	BREAST BIOPSY, LOCAL EXCISION & OTHER BREAST PROCEDURES W CC/MCC
09	S	0905	585	BREAST BIOPSY, LOCAL EXCISION & OTHER BREAST PROCEDURES W/O CC/MCC
09	M	0906	592	SKIN ULCERS W MCC
09	M	0906	593	SKIN ULCERS W CC
09	M	0906	594	SKIN ULCERS W/O CC/MCC
09	M	0907	595	MAJOR SKIN DISORDERS W MCC
09	M	0907	596	MAJOR SKIN DISORDERS W/O MCC
09	M	0908	597	MALIGNANT BREAST DISORDERS W MCC
09	M	0908	598	MALIGNANT BREAST DISORDERS W CC
09	M	0908	599	MALIGNANT BREAST DISORDERS W/O CC/MCC
09	M	0909	600	NON-MALIGNANT BREAST DISORDERS W CC/MCC
09	M	0909	601	NON-MALIGNANT BREAST DISORDERS W/O CC/MCC
09	M	0910	602	CELLULITIS W MCC
09	M	0910	603	CELLULITIS W/O MCC
09	M	0911	604	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
09	M	0911	605	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST W/O MCC
09	M	0912	606	MINOR SKIN DISORDERS W MCC
09	M	0912	607	MINOR SKIN DISORDERS W/O MCC
10	S	1001	614	ADRENAL & PITUITARY PROCEDURES W CC/MCC
10	S	1001	615	ADRENAL & PITUITARY PROCEDURES W/O CC/MCC
10	S	1002	616	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT, & METABOL DIS W MCC
10	S	1002	617	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT, & METABOL DIS W CC
10	S	1002	618	AMPUTAT OF LOWER LIMB FOR ENDOCRINE, NUTRIT, & METABOL DIS W/O CC/MCC
10	S	1003	619	O.R. PROCEDURES FOR OBESITY W MCC
10	S	1003	620	O.R. PROCEDURES FOR OBESITY W CC
10	S	1003	621	O.R. PROCEDURES FOR OBESITY W/O CC/MCC
10	S	1004	622	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DIS W MCC
10	S	1004	623	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DIS W CC
10	S	1004	624	SKIN GRAFTS & WOUND DEBRID FOR ENDOC, NUTRIT & METAB DIS W/O CC/MCC
10	S	1005	625	THYROID, PARATHYROID & THYROGLOSSAL PROCEDURES W MCC
10	S	1005	626	THYROID, PARATHYROID & THYROGLOSSAL PROCEDURES W CC
10	S	1005	627	THYROID, PARATHYROID & THYROGLOSSAL PROCEDURES W/O CC/MCC
10	S	1006	628	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W MCC
10	S	1006	629	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W CC
10	S	1006	630	OTHER ENDOCRINE, NUTRIT & METAB O.R. PROC W/O CC/MCC
10	M	1007	637	DIABETES W MCC
10	M	1007	638	DIABETES W CC
10	M	1007	639	DIABETES W/O CC/MCC
10	M	1008	640	MISC DISORDERS OF NUTRITION, METABOLISM, FLUIDS/ELECTROLYTES W MCC
10	M	1008	641	MISC DISORDERS OF NUTRITION, METABOLISM, FLUIDS/ELECTROLYTES W/O MCC
10	M	1009	642	INBORN AND OTHER DISORDERS OF METABOLISM
10	M	1010	643	ENDOCRINE DISORDERS W MCC



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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
10	M	1010	644	ENDOCRINE DISORDERS W CC
10	M	1010	645	ENDOCRINE DISORDERS W/O CC/MCC
11	S	1101	652	KIDNEY TRANSPLANT
11	S	1102	653	MAJOR BLADDER PROCEDURES W MCC
11	S	1102	654	MAJOR BLADDER PROCEDURES W CC
11	S	1102	655	MAJOR BLADDER PROCEDURES W/O CC/MCC
11	S	1103	656	KIDNEY & URETER PROCEDURES FOR NEOPLASM W MCC
11	S	1103	657	KIDNEY & URETER PROCEDURES FOR NEOPLASM W CC
11	S	1103	658	KIDNEY & URETER PROCEDURES FOR NEOPLASM W/O CC/MCC
11	S	1104	659	KIDNEY & URETER PROCEDURES FOR NON-NEOPLASM W MCC
11	S	1104	660	KIDNEY & URETER PROCEDURES FOR NON-NEOPLASM W CC
11	S	1104	661	KIDNEY & URETER PROCEDURES FOR NON-NEOPLASM W/O CC/MCC
11	S	1105	662	MINOR BLADDER PROCEDURES W MCC
11	S	1105	663	MINOR BLADDER PROCEDURES W CC
11	S	1105	664	MINOR BLADDER PROCEDURES W/O CC/MCC
11	S	1106	665	PROSTATECTOMY W MCC
11	S	1106	666	PROSTATECTOMY W CC
11	S	1106	667	PROSTATECTOMY W/O CC/MCC
11	S	1107	668	TRANSURETHRAL PROCEDURES W MCC
11	S	1107	669	TRANSURETHRAL PROCEDURES W CC
11	S	1107	670	TRANSURETHRAL PROCEDURES W/O CC/MCC
11	S	1108	671	URETHRAL PROCEDURES W CC/MCC
11	S	1108	672	URETHRAL PROCEDURES W/O CC/MCC
11	S	1109	673	OTHER KIDNEY & URINARY TRACT PROCEDURES W MCC
11	S	1109	674	OTHER KIDNEY & URINARY TRACT PROCEDURES W CC
11	S	1109	675	OTHER KIDNEY & URINARY TRACT PROCEDURES W/O CC/MCC
11	M	1110	682	RENAL FAILURE W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
11	M	1110	683	RENAL FAILURE W CC
11	M	1110	684	RENAL FAILURE W/O CC/MCC
11	M	1112	686	KIDNEY & URINARY TRACT NEOPLASMS W MCC
11	M	1112	687	KIDNEY & URINARY TRACT NEOPLASMS W CC
11	M	1112	688	KIDNEY & URINARY TRACT NEOPLASMS W/O CC/MCC
11	M	1113	689	KIDNEY & URINARY TRACT INFECTIONS W MCC
11	M	1113	690	KIDNEY & URINARY TRACT INFECTIONS W/O MCC
11	M	1115	693	URINARY STONES W MCC
11	M	1115	694	URINARY STONES W/O MCC
11	M	1116	695	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS W MCC
11	M	1116	696	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS W/O MCC
11	M	1117	697	URETHRAL STRICTURE
11	M	1118	698	OTHER KIDNEY & URINARY TRACT DIAGNOSES W MCC
11	M	1118	699	OTHER KIDNEY & URINARY TRACT DIAGNOSES W CC
11	M	1118	700	OTHER KIDNEY & URINARY TRACT DIAGNOSES W/O CC/MCC
12	S	1201	707	MAJOR MALE PELVIC PROCEDURES W CC/MCC
12	S	1201	708	MAJOR MALE PELVIC PROCEDURES W/O CC/MCC
12	S	1202	709	PENIS PROCEDURES W CC/MCC
12	S	1202	710	PENIS PROCEDURES W/O CC/MCC
12	S	1203	711	TESTES PROCEDURES W CC/MCC
12	S	1203	712	TESTES PROCEDURES W/O CC/MCC
12	S	1204	713	TRANSURETHRAL PROSTATECTOMY W CC/MCC
12	S	1204	714	TRANSURETHRAL PROSTATECTOMY W/O CC/MCC
12	S	1205	715	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC FOR MALIGNANCY W CC/MCC
12	S	1205	716	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC FOR MALIGNANCY W/O CC/MCC
12	S	1206	717	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXC MALIGNANCY W CC/MCC
12	S	1206	718	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXC MALIGNANCY W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
12	M	1207	722	MALIGNANCY, MALE REPRODUCTIVE SYSTEM W MCC
12	M	1207	723	MALIGNANCY, MALE REPRODUCTIVE SYSTEM W CC
12	M	1207	724	MALIGNANCY, MALE REPRODUCTIVE SYSTEM W/O CC/MCC
12	M	1208	725	BENIGN PROSTATIC HYPERTROPHY W MCC
12	M	1208	726	BENIGN PROSTATIC HYPERTROPHY W/O MCC
12	M	1209	727	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM W MCC
12	M	1209	728	INFLAMMATION OF THE MALE REPRODUCTIVE SYSTEM W/O MCC
12	M	1210	729	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES W CC/MCC
12	M	1210	730	OTHER MALE REPRODUCTIVE SYSTEM DIAGNOSES W/O CC/MCC
13	S	1301	734	PELVIC EVISCERATION, RAD HYSTERECTOMY & RAD VULVECTOMY W CC/MCC
13	S	1301	735	PELVIC EVISCERATION, RAD HYSTERECTOMY & RAD VULVECTOMY W/O CC/MCC
13	S	1302	736	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY W MCC
13	S	1302	737	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY W CC
13	S	1302	738	UTERINE & ADNEXA PROC FOR OVARIAN OR ADNEXAL MALIGNANCY W/O CC/MCC
13	S	1303	739	UTERINE, ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W MCC
13	S	1303	740	UTERINE, ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W CC
13	S	1303	741	UTERINE, ADNEXA PROC FOR NON-OVARIAN/ADNEXAL MALIG W/O CC/MCC
13	S	1304	742	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W CC/MCC
13	S	1304	743	UTERINE & ADNEXA PROC FOR NON-MALIGNANCY W/O CC/MCC
13	S	1305	744	D&C, CONIZATION, LAPAROSCOPY & TUBAL INTERRUPTION W CC/MCC
13	S	1305	745	D&C, CONIZATION, LAPAROSCOPY & TUBAL INTERRUPTION W/O CC/MCC
13	S	1306	746	VAGINA, CERVIX & VULVA PROCEDURES W CC/MCC
13	S	1306	747	VAGINA, CERVIX & VULVA PROCEDURES W/O CC/MCC
13	S	1307	748	FEMALE REPRODUCTIVE SYSTEM RECONSTRUCTIVE PROCEDURES
13	S	1308	749	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES W CC/MCC
13	S	1308	750	OTHER FEMALE REPRODUCTIVE SYSTEM O.R. PROCEDURES W/O CC/MCC
13	M	1309	754	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
13	M	1309	755	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W CC
13	M	1309	756	MALIGNANCY, FEMALE REPRODUCTIVE SYSTEM W/O CC/MCC
13	M	1310	757	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM W MCC
13	M	1310	758	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM W CC
13	M	1310	759	INFECTIONS, FEMALE REPRODUCTIVE SYSTEM W/O CC/MCC
13	M	1311	760	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W CC/MCC
13	M	1311	761	MENSTRUAL & OTHER FEMALE REPRODUCTIVE SYSTEM DISORDERS W/O CC/MCC
14	S	1401	783	CESAREAN SECTION W STERILIZATION W MCC
14	S	1401	784	CESAREAN SECTION W STERILIZATION W CC
14	S	1401	785	CESAREAN SECTION W STERILIZATION W/O CC/MCC
14	S	1401	786	CESAREAN SECTION W/O STERILIZATION W MCC
14	S	1401	787	CESAREAN SECTION W/O STERILIZATION W CC
14	S	1401	788	CESAREAN SECTION W/O STERILIZATION W/O CC/MCC
14	S	1402	768	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C
14	S	1403	769	POSTPARTUM & POST ABORTION DIAGNOSES W O.R. PROCEDURE
14	S	1404	770	ABORTION W D&C, ASPIRATION CURETTAGE OR HYSTEROTOMY
14	M	1405	805	VAGINAL DELIVERY W/O STERILIZATION/D&C W MCC
14	M	1405	806	VAGINAL DELIVERY W/O STERILIZATION/D&C W CC
14	M	1405	807	VAGINAL DELIVERY W/O STERILIZATION/D&C W/O CC/MCC
14	M	1406	776	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE
14	M	1409	779	ABORTION W/O D&C
14	M	1411	831	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W MCC
14	M	1411	832	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W CC
14	M	1411	833	OTHER ANTEPARTUM DIAGNOSES W/O O.R. PROCEDURE W/O CC/MCC
14	S	1413	796	VAGINAL DELIVERY W STERILIZATION/D&C W MCC
14	S	1413	797	VAGINAL DELIVERY W STERILIZATION/D&C W CC
14	S	1413	798	VAGINAL DELIVERY W STERILIZATION/D&C W/O CC/MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
14	S	1414	817	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W MCC
14	S	1414	818	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W CC
14	S	1414	819	OTHER ANTEPARTUM DIAGNOSES W O.R. PROCEDURE W/O CC/MCC
15	M	1501	789	NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY
15	M	1502	790	EXTREME IMMATUREITY OR RESPIRATORY DISTRESS SYNDROME, NEONATE
15	M	1503	791	PREMATURITY W MAJOR PROBLEMS
15	M	1504	792	PREMATURITY W/O MAJOR PROBLEMS
15	M	1505	793	FULL TERM NEONATE W MAJOR PROBLEMS
15	M	1506	794	NEONATE W OTHER SIGNIFICANT PROBLEMS
15	M	1507	795	NORMAL NEWBORN
16	S	1601	799	SPLENECTOMY W MCC
16	S	1601	800	SPLENECTOMY W CC
16	S	1601	801	SPLENECTOMY W/O CC/MCC
16	S	1602	802	OTHER O.R. PROC OF THE BLOOD & BLOOD FORMING ORGANS W MCC
16	S	1602	803	OTHER O.R. PROC OF THE BLOOD & BLOOD FORMING ORGANS W CC
16	S	1602	804	OTHER O.R. PROC OF THE BLOOD & BLOOD FORMING ORGANS W/O CC/MCC
16	M	1603	808	MAJOR HEMATOL/IMMUN DIAG EXC SICKLE CELL CRISIS & COAGUL W MCC
16	M	1603	809	MAJOR HEMATOL/IMMUN DIAG EXC SICKLE CELL CRISIS & COAGUL W CC
16	M	1603	810	MAJOR HEMATOL/IMMUN DIAG EXC SICKLE CELL CRISIS & COAGUL W/O CC/MCC
16	M	1604	811	RED BLOOD CELL DISORDERS W MCC
16	M	1604	812	RED BLOOD CELL DISORDERS W/O MCC
16	M	1605	813	COAGULATION DISORDERS
16	M	1606	814	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W MCC
16	M	1606	815	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W CC
16	M	1606	816	RETICULOENDOTHELIAL & IMMUNITY DISORDERS W/O CC/MCC
17	S	1707	820	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE W MCC
17	S	1707	821	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE W CC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
17	S	1707	822	LYMPHOMA & LEUKEMIA W MAJOR O.R. PROCEDURE W/O CC/MCC
17	S	1708	823	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W MCC
17	S	1708	824	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W CC
17	S	1708	825	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER PROC W/O CC/MCC
17	S	1709	826	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W MCC
17	S	1709	827	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W CC
17	S	1709	828	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W MAJ O.R. PROC W/O CC/MCC
17	S	1710	829	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W OTHER PROCEDURE W CC/MCC
17	S	1710	830	MYELOPROLIFERATIVE DISORDERS OR POORLY DIFFERENTIATED NEOPLASMS W OTHER PROCEDURE W/O CC/MCC
17	M	1711	834	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE W MCC
17	M	1711	835	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE W CC
17	M	1711	836	ACUTE LEUKEMIA W/O MAJOR O.R. PROCEDURE W/O CC/MCC
17	M	1712	837	CHEMO W ACUTE LEUKEMIA AS SDX OR W HIGH DOSE CHEMO AGENT W MCC
17	M	1712	838	CHEMO W ACUTE LEUKEMIA AS SDX W CC OR HIGH DOSE CHEMO AGENT
17	M	1712	839	CHEMO W ACUTE LEUKEMIA AS SDX W/O CC/MCC
17	M	1713	840	LYMPHOMA & NON-ACUTE LEUKEMIA W MCC
17	M	1713	841	LYMPHOMA & NON-ACUTE LEUKEMIA W CC
17	M	1713	842	LYMPHOMA & NON-ACUTE LEUKEMIA W/O CC/MCC
17	M	1714	843	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W MCC
17	M	1714	844	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W CC
17	M	1714	845	OTHER MYELOPROLIF DIS OR POORLY DIFF NEOPL DIAG W/O CC/MCC
17	M	1715	846	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS W MCC
17	M	1715	847	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS W CC
17	M	1715	848	CHEMOTHERAPY W/O ACUTE LEUKEMIA AS SECONDARY DIAGNOSIS W/O CC/MCC
17	M	1716	849	RADIOTHERAPY
18	S	1801	853	INFECTIOUS & PARASITIC DISEASES W O.R. PROCEDURE W MCC

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
18	S	1801	854	INFECTIOUS & PARASITIC DISEASES W O.R. PROCEDURE W CC
18	S	1801	855	INFECTIOUS & PARASITIC DISEASES W O.R. PROCEDURE W/O CC/MCC
18	S	1802	856	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W O.R. PROC W MCC
18	S	1802	857	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W O.R. PROC W CC
18	S	1802	858	POSTOPERATIVE OR POST-TRAUMATIC INFECTIONS W O.R. PROC W/O CC/MCC
18	M	1803	862	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS W MCC
18	M	1803	863	POSTOPERATIVE & POST-TRAUMATIC INFECTIONS W/O MCC
18	M	1804	864	FEVER AND INFLAMMATORY CONDITIONS
18	M	1805	865	VIRAL ILLNESS W MCC
18	M	1805	866	VIRAL ILLNESS W/O MCC
18	M	1806	867	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES W MCC
18	M	1806	868	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES W CC
18	M	1806	869	OTHER INFECTIOUS & PARASITIC DISEASES DIAGNOSES W/O CC/MCC
18	M	1807	870	SEPTICEMIA OR SEVERE SEPSIS W MV >96 HOURS
18	M	1808	871	SEPTICEMIA OR SEVERE SEPSIS W/O MV >96 HOURS W MCC
18	M	1808	872	SEPTICEMIA OR SEVERE SEPSIS W/O MV >96 HOURS W/O MCC
19	S	1909	876	O.R. PROCEDURE W PRINCIPAL DIAGNOSES OF MENTAL ILLNESS
19	M	1910	880	ACUTE ADJUSTMENT REACTION & PSYCHOSOCIAL DYSFUNCTION
19	M	1911	881	DEPRESSIVE NEUROSES
19	M	1912	882	NEUROSES EXCEPT DEPRESSIVE
19	M	1913	883	DISORDERS OF PERSONALITY & IMPULSE CONTROL
19	M	1914	884	ORGANIC DISTURBANCES & INTELLECTUAL DISABILITY
19	M	1915	885	PSYCHOSES
19	M	1916	886	BEHAVIORAL & DEVELOPMENTAL DISORDERS
19	M	1917	887	OTHER MENTAL DISORDER DIAGNOSES
20	M	2018	894	ALCOHOL/DRUG ABUSE OR DEPENDENCE, LEFT AMA
20	M	2018	895	ALCOHOL/DRUG ABUSE OR DEPENDENCE W REHABILITATION THERAPY

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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
20	M	2018	896	ALCOHOL/DRUG ABUSE OR DEPENDENCE W/O REHABILITATION THERAPY W MCC
20	M	2018	897	ALCOHOL/DRUG ABUSE OR DEPENDENCE W/O REHABILITATION THERAPY W/O MCC
21	S	2101	901	WOUND DEBRIDEMENTS FOR INJURIES W MCC
21	S	2101	902	WOUND DEBRIDEMENTS FOR INJURIES W CC
21	S	2101	903	WOUND DEBRIDEMENTS FOR INJURIES W/O CC/MCC
21	S	2102	904	SKIN GRAFTS FOR INJURIES W CC/MCC
21	S	2102	905	SKIN GRAFTS FOR INJURIES W/O CC/MCC
21	S	2103	906	HAND PROCEDURES FOR INJURIES
21	S	2104	907	OTHER O.R. PROCEDURES FOR INJURIES W MCC
21	S	2104	908	OTHER O.R. PROCEDURES FOR INJURIES W CC
21	S	2104	909	OTHER O.R. PROCEDURES FOR INJURIES W/O CC/MCC
21	M	2105	913	TRAUMATIC INJURY W MCC
21	M	2105	914	TRAUMATIC INJURY W/O MCC
21	M	2106	915	ALLERGIC REACTIONS W MCC
21	M	2106	916	ALLERGIC REACTIONS W/O MCC
21	M	2107	917	POISONING & TOXIC EFFECTS OF DRUGS W MCC
21	M	2107	918	POISONING & TOXIC EFFECTS OF DRUGS W/O MCC
21	M	2108	919	COMPLICATIONS OF TREATMENT W MCC
21	M	2108	920	COMPLICATIONS OF TREATMENT W CC
21	M	2108	921	COMPLICATIONS OF TREATMENT W/O CC/MCC
21	M	2109	922	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W MCC
21	M	2109	923	OTHER INJURY, POISONING & TOXIC EFFECT DIAG W/O MCC
22	S	2201	928	FULL THICKNESS BURN W SKIN GRAFT OR INHAL INJ W CC/MCC
22	S	2201	929	FULL THICKNESS BURN W SKIN GRAFT OR INHAL INJ W/O CC/MCC
22	S	2210	927	EXTENSIVE BURNS OR FULL THICKNESS BURNS W MV >96 HRS W SKIN GRAFT
22	M	2212	933	EXTENSIVE BURNS OR FULL THICKNESS BURNS W MV >96 HRS W/O SKIN GRAFT
22	M	2213	934	FULL THICKNESS BURN W/O SKIN GRAFT OR INHAL INJ



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MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
22	M	2214	935	NON-EXTENSIVE BURNS
23	S	2301	939	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES W MCC
23	S	2301	940	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES W CC
23	S	2301	941	O.R. PROC W DIAGNOSES OF OTHER CONTACT W HEALTH SERVICES W/O CC/MCC
23	M	2302	945	REHABILITATION W CC/MCC
23	M	2302	946	REHABILITATION W/O CC/MCC
23	M	2303	947	SIGNS & SYMPTOMS W MCC
23	M	2303	948	SIGNS & SYMPTOMS W/O MCC
23	M	2304	949	AFTERCARE W CC/MCC
23	M	2304	950	AFTERCARE W/O CC/MCC
23	M	2305	951	OTHER FACTORS INFLUENCING HEALTH STATUS
24	S	2406	955	CRANIOTOMY FOR MULTIPLE SIGNIFICANT TRAUMA
24	S	2407	956	LIMB REATTACHMENT, HIP & FEMUR PROC FOR MULTIPLE SIGNIFICANT TRAUMA
24	S	2408	957	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA W MCC
24	S	2408	958	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA W CC
24	S	2408	959	OTHER O.R. PROCEDURES FOR MULTIPLE SIGNIFICANT TRAUMA W/O CC/MCC
24	M	2409	963	OTHER MULTIPLE SIGNIFICANT TRAUMA W MCC
24	M	2409	964	OTHER MULTIPLE SIGNIFICANT TRAUMA W CC
24	M	2409	965	OTHER MULTIPLE SIGNIFICANT TRAUMA W/O CC/MCC
25	S	2501	969	HIV W EXTENSIVE O.R. PROCEDURE W MCC
25	S	2501	970	HIV W EXTENSIVE O.R. PROCEDURE W/O MCC
25	M	2502	974	HIV W MAJOR RELATED CONDITION W MCC
25	M	2502	975	HIV W MAJOR RELATED CONDITION W CC
25	M	2502	976	HIV W MAJOR RELATED CONDITION W/O CC/MCC
25	M	2503	977	HIV W OR W/O OTHER RELATED CONDITION
PR	S	7701	001	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM W MCC
PR	S	7701	002	HEART TRANSPLANT OR IMPLANT OF HEART ASSIST SYSTEM W/O MCC

**AHRQ Quality Indicators™**  
**Pediatric Quality Indicators (PDI) Parameter Estimates, v2021**

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
PR	S	7702	005	LIVER TRANSPLANT W MCC OR INTESTINAL TRANSPLANT
PR	S	7702	006	LIVER TRANSPLANT W/O MCC
PR	S	7703	007	LUNG TRANSPLANT
PR	S	7704	008	SIMULTANEOUS PANCREAS/KIDNEY TRANSPLANT
PR	S	7705	014	ALLOGENEIC BONE MARROW TRANSPLANT
PR	S	7705	016	AUTOLOGOUS BONE MARROW TRANSPLANT W CC/MCC OR T-CELL IMMUNOTHERAPY
PR	S	7705	017	AUTOLOGOUS BONE MARROW TRANSPLANT W/O CC/MCC
PR	S	7706	010	PANCREAS TRANSPLANT
PR	S	7799	003	ECMO OR TRACH W MV >96 HRS OR PDX EXC FACE, MOUTH & NECK W MAJ O.R.
PR	S	7799	004	TRACH W MV >96 HRS OR PDX EXC FACE, MOUTH & NECK W/O MAJ O.R.
PR	S	7799	011	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W MCC
PR	S	7799	012	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W CC
PR	S	7799	013	TRACHEOSTOMY FOR FACE, MOUTH & NECK DIAGNOSES OR LARYNGECTOMY W/O CC/MCC
*1	S	8897	987	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W MCC
*1	S	8897	988	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W CC
*1	S	8897	989	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W/O CC/MCC
*1	*	8898	998	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS
*1	*	8898	999	UNGROUPABLE
*1	S	8899	981	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W MCC
*1	S	8899	982	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W CC
*1	S	8899	983	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W/O CC/MCC

<sup>1</sup> These DRG and MS-DRG codes are not assigned to an MDC.

**Table 17. Categorical Variable Definitions: GPPD and HPPD**

GPPD/HPPD CATEGORIES	DEFINITION
GPPD08_2	Any diagnosis code for coagulation disorders (COAGDID) or any procedure code is extracorporeal membrane oxygenation (ECMO), then GPPD08_2 = 1.
GPPD10_2	DRG code for surgical class 1 (DRG1C) and admission type (ATYPE) not equal to '3' (elective), then GPPD10_2 = 1.
GPPD10_3	DRG code for surgical class 2 (DRG2C) or DRG code for surgical class 3 (DRG3C) or DRG code for surgical class 9 (DRG9C), and admission type (ATYPE) is equal to '3' (elective), then GPPD10_3 = 1.
GPPD10_4	DRG code for surgical class 2 (DRG2C) or DRG code for surgical class 3 (DRG3C) or DRG code for surgical class 9 (DRG9C), and admission type (ATYPE) is not equal to '3' (elective), then GPPD10_4 = 1.
GPPD12_2	Any diagnosis code for intermediate-risk immunocompromised state (IMMUITD), or Any diagnosis code for cirrhosis (HEPFA2D) and any diagnosis code for hepatic failure (HEPFA3D), or Any diagnosis code for cystic fibrosis (ACSCYFD), or Any diagnosis code for hemophilia (HEMOPHD), Then GPPD12_2 = 1.
GPPD12_3	Any diagnosis code for high-risk immunocompromised state (IMMUNHD), or Any procedure code for high-risk immunocompromised state (TRANSPP), or Any diagnosis code for cancer (CANITD), Then GPPD12_3 = 1.
HPPD01_2	Only minor therapeutic procedure (PRCLS2) with any or no diagnostic procedures, then HPPD01_2 = 1.
HPPD01_3	One major therapeutic procedure (PRCLS4) without a diagnostic procedure (PRCLS1, PRCLS3), then HPPD01_3 = 1.
HPPD01_4	One major therapeutic procedure (PRCLS4) with only minor diagnostic procedure (PRCLS1), then HPPD01_4 = 1.
HPPD01_5	One major therapeutic (PRCLS4) with major diagnostic procedure (PRCLS3), then HPPD01_5 = 1.
HPPD01_6	Two major therapeutic procedures (PRCLS4) with any or no diagnostic procedures, then HPPD01_6 = 1.
HPPD01_7	Three or more major therapeutic procedures (PRCLS4) with any or no diagnostic procedures, then HPPD01_7 = 1.
HPPD10_2	Any diagnosis code for intermediate-risk immunocompromised state (IMMUITD), or Any diagnosis code for cirrhosis (HEPFA2D) and any diagnosis code for hepatic failure (HEPFA3D), Then HPPD10_2 = 1.
HPPD10_3	Any diagnosis code for high-risk immunocompromised state (IMMUNHD), or Any procedure code for high-risk immunocompromised state (TRANSPP), Then HPPD10_3 = 1.

**Table 18. Categorical Variable Definitions: Transfer**

CATEGORY	DESCRIPTION	DEFINITION
TRANSFER_ALT	TRANSFER FROM ACUTE - OUTBORN	If admission type (ATYPE) is equal to '4' (Newborn), then TRANSFER_ALT=OUTBORN  If admission type (ATYPE) is not equal to '4' (Newborn) then TRANSFER_ALT = 0  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), then TRANSFER_ALT=1