



PATIENT SAFETY INDICATORS (PSI) PARAMETER ESTIMATES ICD-9-CM Version 6.0

Prepared for:

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Executive Summary

This document provides statistical parameters associated with version 6.0 of Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ (QI) Patient Safety Indicators (PSI). The parameter estimates derived for the AHRQ QI are based on analysis of the 2013 Agency for Healthcare Research and Quality's Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID). HCUP is a family of health care databases and related software tools and products developed through a Federal-State-Industry partnership¹. 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, Ninth Revision, Clinical Modification (ICD-9-CM)* diagnoses and procedures, length of stay (LOS), expected payer, admission and discharge dates and discharge disposition. In 2013, the HCUP databases represent more than 97 percent of all annual discharges in the U.S.²

Two types of parameters are listed here. The majority of the document is devoted to listing covariates and coefficients for risk adjustment logistic regression models. The document also lists weights used to calculate the composite indicator, PSI 90.

The regression coefficients are used by the prediction module to calculate risk-adjusted rates that account for differences in patient populations across providers. Covariates that are considered as potential risk adjusters include gender and age, Major Diagnostic Categories (MDC), Modified Diagnosis-Related Group (MDRG) categories, comorbidities that were apparently present on admission,

¹ 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, **Arizona** Department of Health Services, **Arkansas** Department of Health, **California** Office of Statewide Health Planning and Development, **Colorado** Hospital Association, **Connecticut** Hospital Association, **Florida** Agency for Health Care Administration, **Georgia** Hospital Association, **Hawaii** Health Information Corporation, **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 and Hospitals, **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** Department of Health, **Missouri** Hospital Industry Data Institute, **Montana** MHA - An Association of Montana Health Care Providers, **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** Health Policy and Research, **Pennsylvania** Health Care Cost Containment Council, **Rhode Island** Department of Health, **South Carolina** Budget & Control Board, **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** Health Care Authority, **Wisconsin** Department of Health Services, **Wyoming** Hospital Association

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

patient point-of-origin and whether they were transferred from another facility. 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.

Certain AHRQ QIs (such as PSI 18 Obstetric Trauma Rate – Vaginal Delivery With Instrument and PSI 19 Obstetric Trauma Rate – Vaginal Delivery Without Instrument) are not risk-adjusted because materially important risk factors (e.g., whether the mother is nulliparous or multiparous or the size of the infant) are not available in the Healthcare Cost and Utilization Project (HCUP) State Inpatient Database (SID).

Additional information on the risk adjustment process and composite indicators maybe found in *Quality Indicator Empirical Methods*, available on the AHRQ QI™ website. (<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>)

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

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-7.3649	0.1462	2539.032	<.0001
F_AgeCat_1	Female Age < 30	1	-0.2538	0.1548	2.6883	0.1011
F_AgeCat_2	Female Age < 35	1	-0.4903	0.1761	7.7491	0.0054
F_AgeCat_3	Female Age < 40	1	-0.4566	0.2081	4.8123	0.0283
F_AgeCat_4	Female Age < 45	1	0.3706	0.3135	1.3973	0.2372
F_AgeCat_5	Female Age < 50	1	-0.7268	0.3224	5.0821	0.0242
F_AgeCat_6	Female Age < 55	1	-0.4788	0.2548	3.531	0.0602
F_AgeCat_7	Female Age < 60	1	-0.08	0.2393	0.1117	0.7382
F_AgeCat_8	Female Age < 65	1	-0.4576	0.2199	4.3302	0.0374
F_AgeCat_10	Female Age >=70	1	-0.025	0.2006	0.0155	0.9009
F_AgeCat_11	Female Age >=75	1	0.7329	0.1792	16.7209	<.0001
F_AgeCat_12	Female Age >=80	1	0.2772	0.1383	4.0171	0.045
F_AgeCat_13	Female Age >=85	1	0.815	0.1053	59.9076	<.0001
M_AgeCat_1	Male Age < 30	1	0.0419	0.4831	0.0075	0.9308
M_AgeCat_2	Male Age < 35	1	-0.2351	0.5564	0.1785	0.6727
M_AgeCat_3	Male Age < 40	1	-0.458	0.4689	0.9542	0.3287
M_AgeCat_4	Male Age < 45	1	-0.1627	0.3641	0.1997	0.6549
M_AgeCat_5	Male Age < 50	1	-0.502	0.2902	2.9926	0.0836
M_AgeCat_6	Male Age < 55	1	-0.229	0.2303	0.9881	0.3202
M_AgeCat_7	Male Age < 60	1	-0.1211	0.2239	0.2925	0.5886
M_AgeCat_8	Male Age < 65	1	-0.1875	0.2117	0.7842	0.3758
M_AgeCat_9	Male Age >=65	1	0.5082	0.1817	7.8253	0.0052
M_AgeCat_10	Male Age >=70	1	0.1021	0.1676	0.3713	0.5423
M_AgeCat_11	Male Age >=75	1	0.4779	0.1544	9.5779	0.002
M_AgeCat_12	Male Age >=80	1	0.248	0.1343	3.409	0.0648
M_AgeCat_13	Male Age >=85	1	0.3673	0.1288	8.1292	0.0044

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
M_AgeCat_14	Male Age >=90	1	0.3367	0.1414	5.6673	0.0173
TRNSFER	Transfer from an acute care facility	1	0.7829	0.0609	165.1743	<.0001
ALCOHOL	Alcohol abuse	1	-0.5044	0.1542	10.7033	0.0011
CHF	Congestive heart failure	1	0.9074	0.0693	171.669	<.0001
CHRNLUNG	Chronic pulmonary disease	1	0.2914	0.059	24.3607	<.0001
COAG	Coagulopathy	1	0.797	0.0943	71.4896	<.0001
DM	Diabetes w/o chronic complications	1	0.1734	0.059	8.6433	0.0033
HTN_C	Hypertension	1	-0.4435	0.0557	63.3564	<.0001
HYPOTHY	Hypothyroidism	1	-0.2659	0.0712	13.929	0.0002
LIVER	Liver disease	1	0.6164	0.1577	15.2767	<.0001
LYTES	Fluid and electrolyte disorders	1	0.5516	0.0587	88.319	<.0001
NEURO	Neurological disease	1	0.2595	0.0702	13.6429	0.0002
PERIVASC	Peripheral vascular disease	1	0.4377	0.0804	29.669	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.5812	0.1212	23.0027	<.0001
RENLFAIL	Renal failure	1	0.274	0.0682	16.1619	<.0001
WGHTLOSS	Weight loss	1	0.6191	0.1014	37.2389	<.0001
MDC_1	MDC 1: Nervous System	1	-0.4834	0.1033	21.8836	<.0001
MDC_3	MDC 3: Ear Nose Mouth And Throat	1	-1.3284	0.2706	24.0894	<.0001
MDC_4	MDC 4: Respiratory System	1	-0.6711	0.13	26.6378	<.0001
MDC_5	MDC 5: Circulatory System	1	-0.2302	0.074	9.6675	0.0019
MDC_14	MDC 14: Pregnancy Childbirth And Puerperium	1	1.668	0.2163	59.44	<.0001
mdrg_304	Mouth Procedures	1	1.9652	0.5693	11.9174	0.0006
mdrg_532	Angina Pectoris	1	1.3651	0.1679	66.0658	<.0001
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-0.849	0.2403	12.4826	0.0004
mdrg_1307	Female Reproductive System Reconstructive Procedures	1	-1.2089	0.7094	2.9038	0.0884
mdrg_1401	Cesarean Section	1	-1.2584	0.1696	55.0434	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1402	Vaginal Delivery W O.R. Proc	1	-1.1011	0.4021	7.4979	0.0062
mdrg_1403	Postpartum And Post Abortion Diagnoses W O.R. Procedure	1	2.1154	0.2308	83.9953	<.0001
mdrg_1405	Vaginal Delivery (W/O Or Proc)	1	-3.1688	0.2391	175.659	<.0001
mdrg_1411	Other Antepartum Diagnoses W Medical Complications	1	-0.5092	0.2282	4.9769	0.0257
mdrg_1911	Depressive Neuroses	1	-1.1262	0.4109	7.5132	0.0061

c-statistic=0.907

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

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

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-9.1474	0.1259	5279.928	<.0001
F_AgeCat_1	Female Age < 30	1	0.0762	0.3295	0.0535	0.8171
F_AgeCat_2	Female Age < 35	1	-0.1322	0.3564	0.1375	0.7107
F_AgeCat_3	Female Age < 40	1	0.0452	0.3148	0.0206	0.8858
F_AgeCat_4	Female Age < 45	1	-0.4021	0.2574	2.4399	0.1183
F_AgeCat_5	Female Age < 50	1	0.1159	0.2049	0.32	0.5716
F_AgeCat_6	Female Age < 55	1	-0.3316	0.1766	3.5264	0.0604
F_AgeCat_7	Female Age < 60	1	-0.4687	0.1371	11.6924	0.0006
F_AgeCat_8	Female Age < 65	1	0.13	0.1182	1.2106	0.2712
F_AgeCat_10	Female Age >=70	1	0.1943	0.115	2.8556	0.0911
F_AgeCat_11	Female Age >=75	1	0.051	0.1099	0.2157	0.6423
F_AgeCat_12	Female Age >=80	1	0.0043	0.1098	0.0015	0.9689
F_AgeCat_13	Female Age >=85	1	0.0928	0.0993	0.8734	0.35
M_AgeCat_1	Male Age < 30	1	0.5117	0.2552	4.0209	0.0449
M_AgeCat_2	Male Age < 35	1	-0.6018	0.2752	4.7821	0.0288
M_AgeCat_3	Male Age < 40	1	0.0944	0.2157	0.1916	0.6616
M_AgeCat_4	Male Age < 45	1	0.0142	0.1898	0.0056	0.9402
M_AgeCat_5	Male Age < 50	1	-0.3284	0.1515	4.6972	0.0302
M_AgeCat_6	Male Age < 55	1	0.0337	0.1203	0.0785	0.7793
M_AgeCat_7	Male Age < 60	1	-0.2032	0.1091	3.4668	0.0626
M_AgeCat_8	Male Age < 65	1	0.2541	0.1114	5.199	0.0226
M_AgeCat_9	Male Age >=65	1	0.3906	0.1078	13.1399	0.0003
M_AgeCat_10	Male Age >=70	1	-0.0705	0.0978	0.5197	0.471
M_AgeCat_11	Male Age >=75	1	0.1486	0.1004	2.1889	0.139
M_AgeCat_12	Male Age >=80	1	-0.1287	0.1063	1.4659	0.226
M_AgeCat_13	Male Age >=85	1	0.0947	0.1076	0.7755	0.3785

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
CHRNLUNG	Chronic pulmonary disease	1	-0.1313	0.0457	8.2367	0.0041
DEPRESS	Depression	1	-0.2871	0.0656	19.1469	<.0001
HTN_C	Hypertension	1	-0.4452	0.0403	121.9923	<.0001
HYPOTHY	Hypothyroidism	1	-0.2471	0.0586	17.7916	<.0001
IMMUNE	Immune disorders	1	0.9038	0.0473	365.6213	<.0001
LYTES	Fluid and electrolyte disorders	1	0.223	0.0412	29.2938	<.0001
PARA	Paralysis	1	1.1961	0.2917	16.8168	<.0001
PERIVASC	Peripheral vascular disease	1	0.3716	0.0548	46.0184	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.4303	0.0787	29.8901	<.0001
RENLFAIL	Renal failure	1	0.2895	0.0472	37.7062	<.0001
VALVE	Valvular disease	1	-0.1844	0.0817	5.0871	0.0241
WGHTLOSS	Weight loss	1	0.8893	0.0492	327.1506	<.0001
MDC_1	MDC 1: Nervous System	1	1.6507	0.1206	187.3543	<.0001
MDC_3	MDC 3: Ear Nose Mouth And Throat	1	0.7987	0.2272	12.3516	0.0004
MDC_4	MDC 4: Respiratory System	1	1.737	0.1145	230.299	<.0001
MDC_5	MDC 5: Circulatory System	1	1.2713	0.1159	120.2074	<.0001
MDC_6	MDC 6: Digestive System	1	0.9796	0.1176	69.4171	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	0.2258	0.1486	2.3073	0.1288
MDC_8	MDC 8: Musculoskeletal And Connective	1	0.5804	0.1129	26.4235	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	0.6768	0.16	17.9037	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	0.3308	0.1205	7.5348	0.0061
MDC_16	MDC 16: Blood and Immunological	1	-0.0558	0.2132	0.0684	0.7936
MDC_18	MDC 18: Infectious and Parasitic	1	2.3741	0.125	360.8458	<.0001
MDC_20	MDC 20: Alcohol/Drug Disorders	1	-0.4145	0.3292	1.5851	0.208
MDC_21	MDC 21: Injuries Poison And Toxic	1	0.7785	0.1856	17.5971	<.0001
MDC_25	MDC 25: HIV	1	2.3191	0.2853	66.0907	<.0001
mdrg_103	Craniotomy And Endovascular Ures	1	-0.8481	0.3264	6.7496	0.0094
mdrg_111	Degenerative Nervous System Disorders	1	-1.0256	0.3125	10.7705	0.001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_114	Intracranial Hemorrhage Or Cerebral Infarction	1	-1.9935	0.3122	40.7587	<.0001
mdrg_117	Nonspecific Cerebrovascular Disorders	1	-1.0855	0.363	8.9409	0.0028
mdrg_125	Other Disorders Of Nervous System	1	-0.8896	0.343	6.7248	0.0095
mdrg_128	Seizures	1	-2.1266	0.5065	17.6301	<.0001
mdrg_401	Major Chest Procedures	1	-0.782	0.2462	10.091	0.0015
mdrg_402	Other Resp System O.R. Procedures	1	-0.894	0.2596	11.8578	0.0006
mdrg_403	Pulmonary Embolism	1	-2.0807	0.4142	25.2318	<.0001
mdrg_404	Respiratory Infections And Inflammations	1	-0.8418	0.1571	28.7102	<.0001
mdrg_405	Respiratory Neoplasms	1	-1.5894	0.3408	21.7515	<.0001
mdrg_407	Pleural Effusion	1	-1.635	0.505	10.4829	0.0012
mdrg_408	Pulmonary Edema And Respiratory Failure	1	-1.4047	0.2351	35.7046	<.0001
mdrg_409	Chronic Obstructive Pulmonary Disease	1	-3.1374	0.3245	93.4927	<.0001
mdrg_410	Simple Pneumonia And Pleurisy	1	-1.8908	0.1647	131.8119	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	0.3661	0.1562	5.4918	0.0191
mdrg_507	Coronary Bypass W/O Ptca	1	0.2174	0.1707	1.6214	0.2029
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	1.2596	0.161	61.1783	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-1.9684	0.4529	18.8871	<.0001
mdrg_520	Acute Myocardial Infarction	1	-1.3017	0.2602	25.0309	<.0001
mdrg_522	Circulatory Disorders Except Ami - W Card Cath	1	-2.1313	0.4529	22.147	<.0001
mdrg_524	Heart Failure And Shock	1	-1.1642	0.1406	68.525	<.0001
mdrg_527	Peripheral Vascular Disorders	1	-1.6312	0.3852	17.9348	<.0001
mdrg_531	Cardiac Arrhythmia And Conduction Disorders	1	-2.2844	0.3608	40.0809	<.0001
mdrg_533	Syncope And Collapse	1	-1.5594	0.4146	14.143	0.0002
mdrg_535	Other Circulatory System Diagnoses	1	-1.1553	0.2608	19.6243	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	0.5596	0.2037	7.5493	0.006
mdrg_613	Major Gastrointestinal Disorders And Peritoneal Infections	1	-0.9446	0.2783	11.5213	0.0007

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_615	G.I. Hemorrhage	1	-1.5006	0.2544	34.7822	<.0001
mdrg_619	G.I. Obstruction	1	-1.2326	0.311	15.7119	<.0001
mdrg_620	Esophagitis - Gastroent And Misc Digest Disorders	1	-1.9174	0.2876	44.4387	<.0001
mdrg_621	Other Digestive System Diagnoses	1	-0.9173	0.2985	9.443	0.0021
mdrg_701	Pancreas - Liver And Shunt Procedures	1	1.3885	0.2925	22.5271	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	1.8367	0.2521	53.0889	<.0001
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	1.4668	0.299	24.0624	<.0001
mdrg_811	Hip And Femur Procedures Except Major Joint	1	0.8686	0.1345	41.7008	<.0001
mdrg_813	Knee Procedures W Pdx Of Infection	1	1.6434	0.3603	20.8087	<.0001
mdrg_1007	Diabetes	1	-0.8111	0.3181	6.5021	0.0108
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-0.5634	0.1357	17.2287	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.0396	0.3641	8.1514	0.0043
mdrg_1807	Septicemia Or Severe Sepsis W Mv >96 Hours	1	0.2076	0.1329	2.4403	0.1183
mdrg_1808	Septicemia Or Severe Sepsis W/O Mv >96 Hours	1	-1.5978	0.1112	206.4175	<.0001
mdrg_2301	O.R. Proc W Diagnoses Of Other Contact W Health Services	1	2.1455	0.4569	22.0531	<.0001
mdrg_2302	Rehabilitation	1	1.9104	0.1335	204.6682	<.0001
mdrg_2407	Limb Reattachment - Hip And Femur Proc For Multiple Significant Trauma	1	2.9313	0.253	134.2699	<.0001
mdrg_2408	Other O.R. Procedures For Multiple Significant Trauma	1	3.1049	0.1978	246.3308	<.0001
mdrg_2409	Other Multiple Significant Trauma	1	1.3644	0.4564	8.9381	0.0028
mdrg_2502	HIV W Major Related Condition	1	-1.2484	0.3615	11.9274	0.0006
mdrg_7701	Heart Transplant Or Implant Of Heart Assist System	1	2.0284	0.2617	60.0935	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI- SQUARE	PR > CHI-SQUARE
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	0.6512	0.13	25.075	<.0001

c-statistic=0.803

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 3A. Risk Adjustment Coefficients for PSI 04A Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum A

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-3.8235	0.1455	690.9753	<.0001
F_AgeCat_2	Female Age < 35	1	-0.8301	0.5369	2.3903	0.1221
F_AgeCat_3	Female Age < 40	1	-0.329	0.4606	0.5104	0.475
F_AgeCat_4	Female Age < 45	1	-0.4332	0.3302	1.721	0.1896
F_AgeCat_5	Female Age < 50	1	0.4123	0.2719	2.2998	0.1294
F_AgeCat_6	Female Age < 55	1	-0.1666	0.2508	0.4411	0.5066
F_AgeCat_7	Female Age < 60	1	-0.2562	0.2064	1.5411	0.2145
F_AgeCat_8	Female Age < 65	1	0.0361	0.1801	0.0402	0.8411
F_AgeCat_10	Female Age >=70	1	0.0495	0.1802	0.0755	0.7835
F_AgeCat_11	Female Age >=75	1	0.1258	0.1842	0.4663	0.4947
F_AgeCat_12	Female Age >=80	1	0.4238	0.1773	5.715	0.0168
F_AgeCat_13	Female Age >=85	1	-0.1108	0.194	0.3263	0.5679
M_AgeCat_1	Male Age < 30	1	-1.1422	0.484	5.5691	0.0183
M_AgeCat_2	Male Age < 35	1	-0.2097	0.4138	0.2567	0.6124
M_AgeCat_3	Male Age < 40	1	0.2869	0.3622	0.6276	0.4283
M_AgeCat_4	Male Age < 45	1	-0.1769	0.3034	0.3398	0.56
M_AgeCat_5	Male Age < 50	1	0.2419	0.2441	0.9821	0.3217
M_AgeCat_6	Male Age < 55	1	-0.053	0.216	0.0603	0.806
M_AgeCat_7	Male Age < 60	1	0.0848	0.1944	0.1903	0.6627
M_AgeCat_8	Male Age < 65	1	-0.3721	0.184	4.0889	0.0432
M_AgeCat_9	Male Age >=65	1	-0.1543	0.1741	0.7857	0.3754
M_AgeCat_10	Male Age >=70	1	0.2689	0.1688	2.5376	0.1112
M_AgeCat_11	Male Age >=75	1	0.1348	0.1684	0.6408	0.4234
M_AgeCat_12	Male Age >=80	1	0.1173	0.1878	0.39	0.5323
M_AgeCat_13	Male Age >=85	1	0.4911	0.2103	5.4513	0.0196
TRANSFER	Transfer from an acute care facility	1	0.5455	0.0882	38.2807	<.0001
ANEMDEF	Deficiency Anemias	1	-0.3079	0.0832	13.6855	0.0002

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
CHF	Congestive heart failure	1	0.4082	0.1018	16.0816	<.0001
COAG	Coagulopathy	1	0.6022	0.1012	35.4134	<.0001
DEPRESS	Depression	1	-0.3783	0.1232	9.421	0.0021
IMMUNE	Immune disorders	1	1.019	0.0768	175.9203	<.0001
LYTES	Fluid and electrolyte disorders	1	0.6949	0.0723	92.2479	<.0001
METS	Metastatic cancer	1	0.6768	0.0951	50.684	<.0001
RENLFAIL	Renal failure	1	0.2394	0.0881	7.3786	0.0066
TUMOR	Solid tumor w/out metastasis	1	0.4756	0.1394	11.648	0.0006
VALVE	Valvular disease	1	0.2526	0.1408	3.2175	0.0729
XPPS04A_ANY	PSI 04a Any Triggering Complication POA	1	-0.5226	0.069	57.3969	<.0001
XPPS04A_SEVE	PSI 04a Triggering Complication Severe	1	0.7304	0.0694	110.8137	<.0001
MDC_4	MDC 4: Respiratory System	1	1.0976	0.1223	80.563	<.0001
MDC_5	MDC 5: Circulatory System	1	0.8441	0.0914	85.2325	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	1.4229	0.2153	43.664	<.0001
mdrg_104	Spinal Procedures	1	-1.0093	0.5916	2.9109	0.088
mdrg_402	Other Resp System O.R. Procedures	1	-0.3844	0.1796	4.5815	0.0323
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-0.4009	0.3076	1.6986	0.1925
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-0.2696	0.3648	0.5463	0.4598
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-0.4846	0.2254	4.6233	0.0315
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-0.6789	0.401	2.8655	0.0905
mdrg_514	Other Vascular Procedures	1	-0.6738	0.1812	13.8183	0.0002
mdrg_602	Major Small And Large Bowel Procedures	1	-0.7333	0.1681	19.0384	<.0001
mdrg_701	Pancreas liver & shunt procedures	1	-1.088	0.5144	4.4733	0.0344
mdrg_803	Spinal Fusion Except Cervical	1	-1.0796	0.4162	6.73	0.0095
mdrg_806	Revision Of Hip Or Knee Replacement	1	-1.5194	0.5859	6.7255	0.0095
mdrg_807	Major Joint Replacement Or Reattachment	1	-1.4987	0.19	62.2327	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
	Of Lower Extremity					
mdrg_816	Lower Extrem And Humer Proc Except Hip - Foot -Femur	1	-0.9883	0.455	4.718	0.0298
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.3216	0.5863	5.0806	0.0242
mdrg_2104	Other O.R. Procedures For Injuries	1	-1.304	0.51	6.5381	0.0106
mdrg_2406	Craniotomy For Multiple Significant Trauma	1	3.0251	0.4029	56.3832	<.0001

c-statistic=0.796

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 3B. Risk Adjustment Coefficients for PSI 04B Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum B

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-3.7476	0.0976	1475.743	<.0001
F_AgeCat_1	Female Age < 30	1	0.1814	0.2915	0.3873	0.5337
F_AgeCat_2	Female Age < 35	1	-0.0734	0.3308	0.0493	0.8244
F_AgeCat_3	Female Age < 40	1	-0.4179	0.2724	2.3526	0.1251
F_AgeCat_4	Female Age < 45	1	-0.211	0.1973	1.1429	0.285
F_AgeCat_5	Female Age < 50	1	0.0046	0.1538	0.0009	0.9762
F_AgeCat_6	Female Age < 55	1	-0.2504	0.1272	3.8766	0.049
F_AgeCat_7	Female Age < 60	1	-0.0371	0.1103	0.1133	0.7364
F_AgeCat_8	Female Age < 65	1	-0.2158	0.0981	4.8386	0.0278
F_AgeCat_10	Female Age >=70	1	0.0704	0.0878	0.6428	0.4227
F_AgeCat_11	Female Age >=75	1	0.2084	0.0829	6.3177	0.012
F_AgeCat_12	Female Age >=80	1	0.1247	0.0778	2.5643	0.1093
F_AgeCat_13	Female Age >=85	1	0.2422	0.0756	10.255	0.0014
M_AgeCat_1	Male Age < 30	1	-0.6616	0.1794	13.605	0.0002
M_AgeCat_2	Male Age < 35	1	0.1574	0.1913	0.6765	0.4108
M_AgeCat_3	Male Age < 40	1	0.0405	0.1752	0.0535	0.8171
M_AgeCat_4	Male Age < 45	1	-0.1615	0.1443	1.254	0.2628
M_AgeCat_5	Male Age < 50	1	-0.0804	0.111	0.5251	0.4687
M_AgeCat_6	Male Age < 55	1	-0.1424	0.0914	2.4259	0.1193
M_AgeCat_7	Male Age < 60	1	-0.1122	0.0804	1.9456	0.1631
M_AgeCat_8	Male Age < 65	1	-0.073	0.0838	0.7575	0.3841
M_AgeCat_9	Male Age >=65	1	-0.0041	0.0819	0.0025	0.9598
M_AgeCat_10	Male Age >=70	1	0.1414	0.0711	3.9578	0.0467
M_AgeCat_11	Male Age >=75	1	0.0845	0.07	1.4556	0.2276
M_AgeCat_12	Male Age >=80	1	0.2173	0.0693	9.8191	0.0017
M_AgeCat_13	Male Age >=85	1	0.2227	0.0724	9.4609	0.0021

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer from an acute care facility	1	0.1953	0.0397	24.2146	<.0001
ALCOHOL	Alcohol abuse	1	-0.2398	0.0597	16.1333	<.0001
ANEMDEF	Deficiency Anemias	1	-0.2431	0.0366	44.0704	<.0001
BLDLOSS	Chronic blood loss anemia	1	-0.3348	0.133	6.333	0.0119
CHF	Congestive heart failure	1	0.1867	0.0428	19.0406	<.0001
CHRNLUNG	Chronic pulmonary disease	1	-0.1194	0.0321	13.848	0.0002
COAG	Coagulopathy	1	0.4753	0.0455	109.1108	<.0001
DEPRESS	Depression	1	-0.1919	0.0507	14.3504	0.0002
DMCX	Diabetes w/ chronic complications	1	-0.2201	0.0665	10.9639	0.0009
HTN_C	Hypertension	1	-0.3232	0.0298	117.652	<.0001
HYPOTHY	Hypothyroidism	1	-0.1733	0.0446	15.1009	0.0001
LIVER	Liver disease	1	0.4274	0.072	35.2462	<.0001
LYTES	Fluid and electrolyte disorders	1	0.4965	0.0305	265.5565	<.0001
METS	Metastatic cancer	1	0.5302	0.0664	63.8135	<.0001
NEURO	Neurological disease	1	0.205	0.0457	20.1515	<.0001
OBESE	Obesity	1	-0.1999	0.0448	19.8899	<.0001
PARA	Paralysis	1	-0.3217	0.0576	31.2433	<.0001
PERIVASC	Peripheral vascular disease	1	0.1187	0.0405	8.5813	0.0034
PSYCH	Psychoses	1	-0.3394	0.0813	17.4252	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.1714	0.0691	6.1587	0.0131
RENLFAIL	Renal failure	1	0.2235	0.039	32.9212	<.0001
TUMOR	Solid tumor w/out metastasis	1	0.3313	0.0748	19.6184	<.0001
WGHTLOSS	Weight loss	1	0.0981	0.0472	4.3246	0.0376
XPPS04B_ANY	PSI 04b Any Triggering Complication POA	1	0.1029	0.0303	11.5048	0.0007
XPPS04B_SEV E	PSI 04b Triggering Complication Severe	1	0.5994	0.0285	443.18	<.0001
MDC_1	MDC 1: Nervous System	1	0.8074	0.102	62.6804	<.0001
MDC_5	MDC 5: Circulatory System	1	1.7059	0.0771	489.2574	<.0001
MDC_6	MDC 6: Digestive System	1	0.833	0.1398	35.4868	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	0.6553	0.1691	15.0114	0.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	0.395	0.0875	20.3635	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	1.3914	0.0789	310.7446	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	0.3583	0.1759	4.1488	0.0417
MDC_24	MDC 24: Multiple Significant Trauma	1	1.3204	0.1376	92.1191	<.0001
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	1.3362	0.1188	126.4938	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	1.8979	0.091	434.861	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	1.0759	0.0943	130.0793	<.0001
mdrg_107	Extracranial Procedures	1	-0.4092	0.2431	2.8338	0.0923
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	-0.5107	0.0696	53.7775	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	-1.9586	0.2356	69.1348	<.0001
mdrg_507	Coronary Bypass W/O Ptca	1	-1.4769	0.1179	156.8845	<.0001
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	-1.4205	0.26	29.8503	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-0.8217	0.0697	138.8401	<.0001
mdrg_514	Other Vascular Procedures	1	-0.6813	0.1215	31.4634	<.0001
mdrg_519	Other Circulatory System O.R. Procedures	1	-0.8702	0.251	12.0199	0.0005
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-0.4896	0.1613	9.2166	0.0024
mdrg_602	Major Small And Large Bowel Procedures	1	-0.4177	0.1387	9.0703	0.0026
mdrg_603	Rectal Resection	1	-1.0476	0.4329	5.8552	0.0155
mdrg_604	Peritoneal Adhesiolysis	1	-0.9306	0.2055	20.5135	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	-1.0657	0.3592	8.802	0.003
mdrg_606	Appendectomy W/O Complicated Principal Diag	1	-1.6232	0.5942	7.4622	0.0063
mdrg_607	Minor Small And Large Bowel Procedures	1	-1.0886	0.5221	4.3478	0.0371
mdrg_608	Anal And Stomal Procedures	1	-1.0995	0.5216	4.443	0.035
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-1.2693	0.3609	12.3718	0.0004

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-1.5377	0.328	21.9732	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-0.7794	0.2922	7.1139	0.0076
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-1.1475	0.2363	23.5786	<.0001
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	-1.13	0.4543	6.1874	0.0129
mdrg_803	Spinal Fusion Except Cervical	1	-1.4906	0.3393	19.3022	<.0001
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-0.3252	0.0894	13.2162	0.0003
mdrg_808	Cervical Spinal Fusion	1	-0.5039	0.2598	3.7601	0.0525
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	-0.7836	0.3422	5.2444	0.022
mdrg_816	Lower Extrem And Humer Proc Except Hip -Foot -Femur	1	-0.4046	0.1932	4.3876	0.0362
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-0.629	0.1942	10.4867	0.0012
mdrg_2406	Craniotomy For Multiple Significant Trauma	1	2.0166	0.1698	141.0616	<.0001
mdrg_2407	Limb Reattachment - Hip And Femur Proc For Multiple Significant Trauma	1	-0.4649	0.2208	4.434	0.0352

c-statistic=0.783

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 3C. Risk Adjustment Coefficients for PSI 04C Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum C

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-2.7113	0.0864	983.6785	<.0001
F_AgeCat_1	Female Age < 30	1	-0.2032	0.3595	0.3195	0.5719
F_AgeCat_2	Female Age < 35	1	-0.2178	0.3542	0.378	0.5387
F_AgeCat_3	Female Age < 40	1	-0.0158	0.2852	0.0031	0.9558
F_AgeCat_4	Female Age < 45	1	-0.2171	0.2311	0.8823	0.3476
F_AgeCat_5	Female Age < 50	1	-0.0473	0.1835	0.0664	0.7967
F_AgeCat_6	Female Age < 55	1	-0.3881	0.1437	7.2966	0.0069
F_AgeCat_7	Female Age < 60	1	-0.1078	0.1161	0.8622	0.3531
F_AgeCat_8	Female Age < 65	1	-0.1444	0.103	1.9651	0.161
F_AgeCat_10	Female Age >=70	1	0.0336	0.0958	0.1229	0.7259
F_AgeCat_11	Female Age >=75	1	0.3765	0.0913	17.0249	<.0001
F_AgeCat_12	Female Age >=80	1	0.0285	0.0898	0.1008	0.7509
F_AgeCat_13	Female Age >=85	1	0.1775	0.1007	3.1049	0.0781
M_AgeCat_1	Male Age < 30	1	0.1564	0.2692	0.3378	0.5611
M_AgeCat_2	Male Age < 35	1	-0.3494	0.3059	1.3044	0.2534
M_AgeCat_3	Male Age < 40	1	-0.3109	0.2465	1.5908	0.2072
M_AgeCat_4	Male Age < 45	1	-0.097	0.1735	0.3125	0.5761
M_AgeCat_5	Male Age < 50	1	-0.0995	0.1335	0.5557	0.456
M_AgeCat_6	Male Age < 55	1	-0.092	0.1092	0.7106	0.3992
M_AgeCat_7	Male Age < 60	1	-0.1402	0.094	2.2252	0.1358
M_AgeCat_8	Male Age < 65	1	-0.0651	0.0913	0.5082	0.4759
M_AgeCat_9	Male Age >=65	1	0.0337	0.0883	0.1458	0.7025
M_AgeCat_10	Male Age >=70	1	0.1631	0.0795	4.206	0.0403
M_AgeCat_11	Male Age >=75	1	0.1227	0.08	2.3562	0.1248
M_AgeCat_12	Male Age >=80	1	0.1873	0.084	4.9695	0.0258
M_AgeCat_13	Male Age >=85	1	0.1122	0.0986	1.2955	0.255

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer from an acute care facility	1	0.3362	0.05	45.2598	<.0001
ANEMDEF	Deficiency Anemias	1	-0.1068	0.045	5.6234	0.0177
BLDLOSS	Chronic blood loss anemia	1	-0.4831	0.1659	8.4798	0.0036
CHF	Congestive heart failure	1	0.0733	0.051	2.0699	0.1502
CHRNLUNG	Chronic pulmonary disease	1	0.0872	0.0391	4.98	0.0256
COAG	Coagulopathy	1	0.4657	0.0565	67.9797	<.0001
DEPRESS	Depression	1	-0.1814	0.0649	7.8114	0.0052
DM	Diabetes w/o chronic complications	1	-0.0181	0.0418	0.1884	0.6642
DMCX	Diabetes w/ chronic complications	1	-0.171	0.0775	4.8708	0.0273
HTN_C	Hypertension	1	-0.1805	0.0347	27.1417	<.0001
LIVER	Liver disease	1	0.6526	0.0714	83.5826	<.0001
LYTES	Fluid and electrolyte disorders	1	0.2943	0.0377	60.938	<.0001
METS	Metastatic cancer	1	0.5505	0.061	81.4944	<.0001
PARA	Paralysis	1	-0.2054	0.0851	5.8323	0.0157
PERIVASC	Peripheral vascular disease	1	0.1032	0.0487	4.4779	0.0343
PSYCH	Psychoses	1	-0.2784	0.0967	8.2895	0.004
PULMCIRC	Pulmonary circulation disease	1	0.4191	0.0792	27.9948	<.0001
RENLFAIL	Renal failure	1	0.1177	0.0458	6.6217	0.0101
TUMOR	Solid tumor w/out metastasis	1	0.2187	0.0905	5.8436	0.0156
XPPS04C_ANY	PSI 04c Any Triggering Complication POA	1	-0.6812	0.0471	209.1164	<.0001
XPPS04C_SEVE	PSI 04c Triggering Complication Severe	1	1.1933	0.0351	1153.424	<.0001
MDC_1	MDC 1: Nervous System	1	0.2938	0.1017	8.3456	0.0039
MDC_4	MDC 4: Respiratory System	1	0.9944	0.0904	121.0003	<.0001
MDC_5	MDC 5: Circulatory System	1	1.0235	0.0569	323.8923	<.0001
MDC_6	MDC 6: Digestive System	1	0.3599	0.0644	31.2474	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	1.1436	0.1638	48.7441	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	0.9115	0.1555	34.3374	<.0001
MDC_22	MDC 22: Burns	1	1.7949	0.2176	68.0163	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_24	MDC 24: Multiple Significant Trauma	1	2.7702	0.3047	82.6295	<.0001
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	0.7327	0.1905	14.7898	0.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	1.3818	0.145	90.8462	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	0.8199	0.1425	33.099	<.0001
mdrg_401	Major Chest Procedures	1	0.3473	0.1247	7.7551	0.0054
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	0.3087	0.0774	15.8975	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	-1.5166	0.3421	19.6505	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-0.9489	0.1583	35.9118	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-0.4641	0.1223	14.4018	0.0001
mdrg_514	Other Vascular Procedures	1	-0.3776	0.1339	7.9512	0.0048
mdrg_515	Upper Limb And Toe Amputation For Circ System Disorders	1	-2.0174	0.7345	7.5433	0.006
mdrg_602	Major Small And Large Bowel Procedures	1	-0.1721	0.0644	7.131	0.0076
mdrg_603	Rectal Resection	1	-0.9757	0.3623	7.254	0.0071
mdrg_604	Peritoneal Adhesiolysis	1	-0.4305	0.1478	8.4869	0.0036
mdrg_608	Anal And Stomal Procedures	1	-1.5052	0.7341	4.2045	0.0403
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-0.9111	0.1996	20.8258	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-1.2088	0.466	6.7282	0.0095
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-0.4925	0.3778	1.6994	0.1924
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-1.2594	0.3349	14.1451	0.0002
mdrg_803	Spinal Fusion Except Cervical	1	-0.4112	0.2352	3.0574	0.0804
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit - And Metabol Dis	1	-0.9526	0.4225	5.0836	0.0242
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-0.9724	0.2141	20.6199	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1107	Transurethral Procedures	1	-0.9972	0.2737	13.278	0.0003
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	0.8523	0.3362	6.4271	0.0112
mdrg_2104	Other O.R. Procedures For Injuries	1	-0.062	0.1424	0.1893	0.6635
mdrg_2407	Limb Reattachment - Hip And Femur Proc For Multiple Significant Trauma	1	-1.9947	0.3678	29.4122	<.0001
mdrg_2408	Other O.R. Procedures For Multiple Significant Trauma	1	-1.8757	0.3292	32.4535	<.0001
mdrg_7701	Heart Transplant Or Implant Of Heart Assist System	1	0.6747	0.2352	8.2298	0.0041
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-0.038	0.0992	0.1468	0.7016

c-statistic=0.775

Table 3D. Risk Adjustment Coefficients for PSI 04D Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum D

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-2.0677	0.0808	655.3904	<.0001
F_AgeCat_1	Female Age < 30	1	0.1932	0.177	1.1923	0.2749
F_AgeCat_2	Female Age < 35	1	-0.1545	0.188	0.6757	0.4111
F_AgeCat_3	Female Age < 40	1	-0.0741	0.1793	0.1706	0.6796
F_AgeCat_4	Female Age < 45	1	-0.0109	0.1634	0.0045	0.9468
F_AgeCat_5	Female Age < 50	1	-0.1597	0.1352	1.3954	0.2375
F_AgeCat_6	Female Age < 55	1	-0.0357	0.114	0.0983	0.7538
F_AgeCat_7	Female Age < 60	1	-0.1564	0.1023	2.3363	0.1264
F_AgeCat_8	Female Age < 65	1	0.0045	0.0934	0.0023	0.9618
F_AgeCat_10	Female Age >=70	1	0.2397	0.0915	6.8636	0.0088
F_AgeCat_11	Female Age >=75	1	0.0194	0.0955	0.0415	0.8386
F_AgeCat_12	Female Age >=80	1	0.1697	0.0991	2.9352	0.0867
F_AgeCat_13	Female Age >=85	1	0.2759	0.1141	5.8428	0.0156
M_AgeCat_1	Male Age < 30	1	0.2391	0.2179	1.204	0.2725
M_AgeCat_2	Male Age < 35	1	-0.0416	0.2326	0.0321	0.8579
M_AgeCat_3	Male Age < 40	1	-0.2565	0.2121	1.4627	0.2265
M_AgeCat_4	Male Age < 45	1	0.1946	0.1612	1.4559	0.2276
M_AgeCat_5	Male Age < 50	1	-0.216	0.1264	2.921	0.0874
M_AgeCat_6	Male Age < 55	1	-0.0047	0.1035	0.0021	0.9636
M_AgeCat_7	Male Age < 60	1	0.0564	0.0918	0.3774	0.539
M_AgeCat_8	Male Age < 65	1	-0.0341	0.0886	0.1484	0.7001
M_AgeCat_9	Male Age >=65	1	0.0342	0.0859	0.1589	0.6902
M_AgeCat_10	Male Age >=70	1	0.2125	0.0839	6.4202	0.0113
M_AgeCat_11	Male Age >=75	1	0.0471	0.0869	0.2936	0.5879
M_AgeCat_12	Male Age >=80	1	0.3331	0.0942	12.5142	0.0004
M_AgeCat_13	Male Age >=85	1	0.2114	0.1161	3.3166	0.0686

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer from an acute care facility	1	0.342	0.0556	37.901	<.0001
BLDLOSS	Chronic blood loss anemia	1	-0.3702	0.1235	8.9885	0.0027
CHF	Congestive heart failure	1	-0.1037	0.0435	5.692	0.017
COAG	Coagulopathy	1	0.5423	0.051	113.1674	<.0001
DEPRESS	Depression	1	-0.2284	0.0585	15.2348	<.0001
DM	Diabetes w/o chronic complications	1	0.0383	0.0388	0.9736	0.3238
HYPOTHY	Hypothyroidism	1	-0.1305	0.051	6.5607	0.0104
IMMUNE	Immune disorders	1	0.129	0.0455	8.0416	0.0046
LIVER	Liver disease	1	0.7419	0.0645	132.4684	<.0001
LYTES	Fluid and electrolyte disorders	1	0.3832	0.0375	104.1884	<.0001
METS	Metastatic cancer	1	0.468	0.0641	53.2491	<.0001
PARA	Paralysis	1	-0.2202	0.0828	7.0753	0.0078
PERIVASC	Peripheral vascular disease	1	0.3051	0.0491	38.5436	<.0001
RENLFAIL	Renal failure	1	-0.0133	0.043	0.0949	0.7581
WGHTLOSS	Weight loss	1	-0.2419	0.0502	23.2499	<.0001
XPPS04D_ANY	PSI 04d Any Triggering Complication POA	1	-0.2772	0.0443	39.1866	<.0001
XPPS04D_SEVE	PSI 04d Triggering Complication Severe	1	1.9634	0.0345	3244.762	<.0001
MDC_1	MDC 1: Nervous System	1	-0.699	0.0976	51.2503	<.0001
MDC_6	MDC 6: Digestive System	1	-0.6348	0.0971	42.7543	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	-0.4809	0.0657	53.5415	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	-0.5521	0.1109	24.789	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	-0.2047	0.0773	7.0043	0.0081
MDC_13	MDC 13: Female Reproductive System	1	-0.3523	0.1427	6.0939	0.0136
MDC_21	MDC 21: Injuries Poison And Toxic	1	-0.0933	0.0963	0.9384	0.3327
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	2.031	0.1721	139.1913	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	3.2491	0.1455	498.6595	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	1.3655	0.149	84.0094	<.0001
mdrg_105	Ventricular Shunt Procedures	1	1.2073	0.3659	10.884	0.001
mdrg_106	Carotid Artery Stent Procedure	1	-0.5694	0.3426	2.7634	0.0964
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	0.8976	0.1191	56.7594	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	1.0574	0.0995	113.0504	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	0.9288	0.1478	39.4981	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	0.7796	0.2791	7.8035	0.0052
mdrg_607	Minor Small And Large Bowel Procedures	1	1.173	0.2878	16.6085	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	0.515	0.1744	8.7164	0.0032
mdrg_611	Other Digestive System O.R. Procedures	1	1.5553	0.1573	97.7675	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	1.4192	0.2474	32.9073	<.0001
mdrg_707	Other Hepatobiliary Or Pancreas O.R. Procedures	1	0.9778	0.2811	12.1029	0.0005
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	-0.3386	0.2223	2.3193	0.1278
mdrg_802	Spinal Fus Exc Cerv W Spinal Curv/Malig/Infec Or Ext Fus	1	0.0633	0.2162	0.0859	0.7695
mdrg_806	Revision Of Hip Or Knee Replacement	1	-0.1786	0.1727	1.0695	0.3011
mdrg_808	Cervical Spinal Fusion	1	0.1451	0.1917	0.5729	0.4491
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	0.4155	0.2301	3.2596	0.071
mdrg_1101	Kidney Transplant	1	-0.6342	0.2622	5.8489	0.0156
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-0.6738	0.2495	7.2922	0.0069
mdrg_1401	Cesarean Section	1	-0.7686	0.1549	24.6066	<.0001
mdrg_1402	Vaginal Delivery W O.R. Proc	1	-0.9586	0.3824	6.2851	0.0122
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	0.9581	0.2581	13.7815	0.0002
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	0.6775	0.0568	142.1482	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_7702	Liver Transplant	1	-1.4848	0.2151	47.6544	<.0001
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	0.4561	0.0824	30.6751	<.0001

c-statistic=0.818

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 3E. Risk Adjustment Coefficients for PSI 04E Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum E

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-3.7047	0.1691	479.7481	<.0001
F_AgeCat_1	Female Age < 30	1	-0.1124	0.8468	0.0176	0.8944
F_AgeCat_2	Female Age < 35	1	-0.0312	0.7686	0.0017	0.9676
F_AgeCat_3	Female Age < 40	1	-0.5008	0.5748	0.7589	0.3837
F_AgeCat_4	Female Age < 45	1	-0.4565	0.3935	1.3457	0.246
F_AgeCat_5	Female Age < 50	1	0.2171	0.3095	0.4922	0.4829
F_AgeCat_6	Female Age < 55	1	-0.1012	0.2616	0.1498	0.6988
F_AgeCat_7	Female Age < 60	1	-0.2842	0.2201	1.6678	0.1966
F_AgeCat_8	Female Age < 65	1	-0.0785	0.1958	0.1609	0.6883
F_AgeCat_10	Female Age >=70	1	0.2775	0.1758	2.4904	0.1145
F_AgeCat_11	Female Age >=75	1	-0.1883	0.1704	1.2206	0.2692
F_AgeCat_12	Female Age >=80	1	0.1407	0.1799	0.612	0.434
F_AgeCat_13	Female Age >=85	1	-0.0998	0.21	0.2258	0.6347
M_AgeCat_1	Male Age < 30	1	0.0644	0.9097	0.005	0.9436
M_AgeCat_2	Male Age < 35	1	-0.7021	0.8363	0.7048	0.4012
M_AgeCat_3	Male Age < 40	1	-0.3337	0.4734	0.4968	0.4809
M_AgeCat_4	Male Age < 45	1	-0.2355	0.3081	0.5841	0.4447
M_AgeCat_5	Male Age < 50	1	-0.0298	0.2294	0.0169	0.8967
M_AgeCat_6	Male Age < 55	1	-0.2139	0.1768	1.4645	0.2262
M_AgeCat_7	Male Age < 60	1	0.0012	0.1531	0.0001	0.9936
M_AgeCat_8	Male Age < 65	1	0.0707	0.1683	0.1764	0.6745
M_AgeCat_9	Male Age >=65	1	0.0936	0.1682	0.3096	0.5779
M_AgeCat_10	Male Age >=70	1	-0.117	0.1499	0.6087	0.4353
M_AgeCat_11	Male Age >=75	1	0.1867	0.1494	1.5631	0.2112
M_AgeCat_12	Male Age >=80	1	0.0026	0.1599	0.0003	0.9872
M_AgeCat_13	Male Age >=85	1	0.2203	0.1913	1.3253	0.2496

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer from an acute care facility	1	0.4498	0.0834	29.0855	<.0001
ANEMDEF	Deficiency Anemias	1	-0.3414	0.0757	20.3494	<.0001
BLDLOSS	Chronic blood loss anemia	1	-0.3954	0.1783	4.9205	0.0265
CHF	Congestive heart failure	1	0.2511	0.0993	6.401	0.0114
COAG	Coagulopathy	1	0.6645	0.0869	58.4213	<.0001
DEPRESS	Depression	1	-0.5147	0.1253	16.8651	<.0001
DM	Diabetes w/o chronic complications	1	-0.0811	0.0758	1.1462	0.2844
DMCX	Diabetes w/ chronic complications	1	-0.3147	0.1182	7.091	0.0077
HTN_C	Hypertension	1	-0.3205	0.0651	24.2415	<.0001
IMMUNE	Immune disorders	1	0.7969	0.0691	132.8408	<.0001
LIVER	Liver disease	1	0.1608	0.1061	2.296	0.1297
LYTES	Fluid and electrolyte disorders	1	0.9407	0.0662	201.6572	<.0001
NEURO	Neurological disease	1	0.3038	0.1191	6.5043	0.0108
OBESE	Obesity	1	-0.3077	0.1005	9.3725	0.0022
PERIVASC	Peripheral vascular disease	1	0.184	0.0785	5.4945	0.0191
PSYCH	Psychoses	1	-0.6613	0.2107	9.8478	0.0017
XPPS04E_ANY	PSI 04e Any Triggering Complication POA	1	-0.9445	0.0629	225.8015	<.0001
XPPS04E_SEV E	PSI 04e Triggering Complication Severe	1	0.6042	0.165	13.4017	0.0003
MDC_4	MDC 4: Respiratory System	1	1.9574	0.1707	131.5039	<.0001
MDC_5	MDC 5: Circulatory System	1	2.0612	0.1071	370.0572	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	1.2454	0.2478	25.2517	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	1.8972	0.1179	258.8531	<.0001
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	2.7045	0.3993	45.8801	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	2.891	0.2052	198.4759	<.0001
mdrg_401	Major Chest Procedures	1	-0.7144	0.2557	7.8025	0.0052
mdrg_402	Other Resp System O.R. Procedures	1	-0.2142	0.2252	0.905	0.3414

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-0.8076	0.1645	24.0939	<.0001
mdrg_507	Coronary Bypass W/O Ptca	1	-1.3055	0.223	34.2823	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-0.8663	0.2931	8.7336	0.0031
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	-2.2073	0.721	9.3722	0.0022
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-1.2438	0.1392	79.8333	<.0001
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-0.553	0.1977	7.8242	0.0052
mdrg_514	Other Vascular Procedures	1	-1.0529	0.1516	48.2439	<.0001
mdrg_515	Upper Limb And Toe Amputation For Circ System Disorders	1	-1.0932	0.622	3.0889	0.0788
mdrg_519	Other Circulatory System O.R. Procedures	1	-0.7567	0.2488	9.2485	0.0024
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-1.9769	0.4579	18.6383	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-0.7113	0.33	4.6462	0.0311

c-statistic=0.871

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

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

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-7.992	0.0627	16238.42	<.0001
F_AgeCat_1	Female Age < 30	1	-0.0546	0.1622	0.1132	0.7366
F_AgeCat_2	Female Age < 35	1	-0.055	0.1749	0.099	0.7531
F_AgeCat_3	Female Age < 40	1	-0.215	0.1494	2.0714	0.1501
F_AgeCat_4	Female Age < 45	1	0.0922	0.1256	0.5389	0.4629
F_AgeCat_5	Female Age < 50	1	-0.1996	0.1101	3.2862	0.0699
F_AgeCat_6	Female Age < 55	1	0.0027	0.0955	0.0008	0.9771
F_AgeCat_7	Female Age < 60	1	-0.0979	0.09	1.1822	0.2769
F_AgeCat_8	Female Age < 65	1	-0.1638	0.0811	4.0761	0.0435
F_AgeCat_10	Female Age >=70	1	0.0108	0.0752	0.0205	0.8862
F_AgeCat_11	Female Age >=75	1	0.1573	0.072	4.7742	0.0289
F_AgeCat_12	Female Age >=80	1	-0.0105	0.0686	0.0232	0.8789
F_AgeCat_13	Female Age >=85	1	-0.0167	0.0633	0.0697	0.7918
M_AgeCat_1	Male Age < 30	1	-0.0783	0.1555	0.2538	0.6144
M_AgeCat_2	Male Age < 35	1	0.0955	0.1805	0.2797	0.5969
M_AgeCat_3	Male Age < 40	1	0.1838	0.1785	1.0601	0.3032
M_AgeCat_4	Male Age < 45	1	-0.1518	0.1572	0.932	0.3343
M_AgeCat_5	Male Age < 50	1	-0.1864	0.123	2.2953	0.1298
M_AgeCat_6	Male Age < 55	1	-0.0895	0.0994	0.8107	0.3679
M_AgeCat_7	Male Age < 60	1	0.0004	0.0914	0	0.9963
M_AgeCat_8	Male Age < 65	1	-0.4272	0.0833	26.2984	<.0001
M_AgeCat_9	Male Age >=65	1	-0.4449	0.082	29.4375	<.0001
M_AgeCat_10	Male Age >=70	1	0.1353	0.0853	2.515	0.1128
M_AgeCat_11	Male Age >=75	1	0.095	0.082	1.345	0.2462
M_AgeCat_12	Male Age >=80	1	-0.0194	0.0832	0.0546	0.8153
M_AgeCat_13	Male Age >=85	1	0.1155	0.0814	2.016	0.1557
TRNSFER	Transfer from an acute care facility	1	0.1595	0.0475	11.2619	0.0008

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
CHRNLUNG	Chronic pulmonary disease	1	0.2339	0.0309	57.3542	<.0001
COAG	Coagulopathy	1	0.2126	0.051	17.3454	<.0001
DM	Diabetes w/o chronic complications	1	-0.2766	0.0353	61.2576	<.0001
DMCX	Diabetes w/ chronic complications	1	-0.5287	0.0721	53.7042	<.0001
HTN_C	Hypertension	1	-0.213	0.0289	54.1759	<.0001
HYPOTHY	Hypothyroidism	1	-0.1227	0.039	9.9094	0.0016
IMMUNE	Immune disorders	1	0.3839	0.043	79.5394	<.0001
LYTES	Fluid and electrolyte disorders	1	0.1716	0.0314	29.9293	<.0001
METS	Metastatic cancer	1	0.3943	0.0652	36.574	<.0001
OBESE	Obesity	1	-0.4342	0.0489	78.7608	<.0001
RENLFAIL	Renal failure	1	-0.1501	0.0399	14.1627	0.0002
TUMOR	Solid tumor w/out metastasis	1	0.2533	0.0737	11.8121	0.0006
WGHTLOSS	Weight loss	1	0.7665	0.0421	331.465	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	1.7181	0.1047	269.3226	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	2.2247	0.1651	181.6674	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	1.3183	0.1159	129.457	<.0001
mdrg_107	Extracranial Procedures	1	-0.6326	0.3549	3.1765	0.0747
mdrg_108	Periph/Cranial Nerve And Other Nerv Syst Proc	1	1.768	0.1764	100.4371	<.0001
mdrg_109	Spinal Disorders And Injuries	1	0.1779	1.0005	0.0316	0.8589
mdrg_114	Intracranial Hemorrhage Or Cerebral Infarction	1	-0.6081	0.1445	17.711	<.0001
mdrg_117	Nonspecific Cerebrovascular Disorders	1	-0.7409	0.3792	3.8178	0.0507
mdrg_118	Cranial And Peripheral Nerve Disorders	1	-1.3368	0.5008	7.124	0.0076
mdrg_122	Traumatic Stupor And Coma - Coma >1 Hr	1	1.319	0.2375	30.8361	<.0001
mdrg_123	Traumatic Stupor And Coma - Coma <1 Hr	1	-0.0712	0.2443	0.085	0.7707
mdrg_125	Other Disorders Of Nervous System	1	-0.5712	0.3028	3.5592	0.0592
mdrg_128	Seizures	1	-0.7253	0.2373	9.3455	0.0022
mdrg_402	Other Resp System O.R. Procedures	1	1.6653	0.1578	111.3386	<.0001
mdrg_403	Pulmonary Embolism	1	-1.9504	0.5008	15.1681	<.0001
mdrg_404	Respiratory Infections And Inflammations	1	-0.0137	0.1398	0.0095	0.9222

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_405	Respiratory Neoplasms	1	1.7226	0.1292	177.6319	<.0001
mdrg_408	Pulmonary Edema And Respiratory Failure	1	-0.7108	0.207	11.795	0.0006
mdrg_409	Chronic Obstructive Pulmonary Disease	1	-1.6445	0.2022	66.1538	<.0001
mdrg_410	Simple Pneumonia And Pleurisy	1	-1.3271	0.1573	71.2181	<.0001
mdrg_411	Interstitial Lung Disease	1	0.6807	0.2903	5.4983	0.019
mdrg_415	Other Respiratory System Diagnoses	1	0.3502	0.3029	1.3365	0.2477
mdrg_416	Respiratory System Diagnosis W Ventilator Support	1	2.0468	0.0631	1050.538	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	2.2768	0.1953	135.873	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	3.4556	0.066	2740.402	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	0.4176	0.3352	1.5527	0.2127
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	3.7533	0.0439	7305.861	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-0.9451	0.2203	18.4061	<.0001
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-0.0267	0.2688	0.0099	0.9208
mdrg_514	Other Vascular Procedures	1	0.0307	0.1766	0.0302	0.862
mdrg_519	Other Circulatory System O.R. Procedures	1	1.0569	0.2612	16.3654	<.0001
mdrg_520	Acute Myocardial Infarction	1	-0.4154	0.1672	6.174	0.013
mdrg_522	Circulatory Disorders Except Ami - W Card Cath	1	-1.0069	0.2374	17.9834	<.0001
mdrg_524	Heart Failure And Shock	1	-0.6113	0.1158	27.8838	<.0001
mdrg_527	Peripheral Vascular Disorders	1	-1.0568	0.29	13.2769	0.0003
mdrg_531	Cardiac Arrhythmia And Conduction Disorders	1	-0.8201	0.1503	29.7855	<.0001
mdrg_533	Syncope And Collapse	1	-1.9575	0.4093	22.8723	<.0001
mdrg_535	Other Circulatory System Diagnoses	1	0.1449	0.1631	0.7897	0.3742
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	1.5134	0.1555	94.6598	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	1.0452	0.077	184.4083	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	0.5144	0.2019	6.4906	0.0108
mdrg_611	Other Digestive System O.R. Procedures	1	0.7758	0.2257	11.8118	0.0006
mdrg_613	Major Gastrointestinal Disorders And Peritoneal Infections	1	-1.4894	0.3549	17.6118	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_614	Digestive Malignancy	1	0.3415	0.2156	2.5073	0.1133
mdrg_615	G.I. Hemorrhage	1	-0.8536	0.1588	28.8891	<.0001
mdrg_619	G.I. Obstruction	1	-1.6984	0.3175	28.6142	<.0001
mdrg_620	Esophagitis - Gastroent And Misc Digest Disorders	1	-1.5688	0.1817	74.5003	<.0001
mdrg_621	Other Digestive System Diagnoses	1	-0.883	0.2373	13.8412	0.0002
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-1.0544	0.2516	17.5628	<.0001
mdrg_708	Cirrhosis And Alcoholic Hepatitis	1	-1.0882	0.4099	7.0465	0.0079
mdrg_709	Malignancy Of Hepatobiliary System Or Pancreas	1	0.527	0.2066	6.5043	0.0108
mdrg_710	Disorders Of Pancreas Except Malignancy	1	-1.0379	0.2597	15.9654	<.0001
mdrg_711	Disorders Of Liver Except Malig -Cirr -Alc Hepa	1	-0.6368	0.2524	6.3648	0.0116
mdrg_712	Disorders Of The Biliary Tract	1	-0.4819	0.2787	2.9894	0.0838
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	2.4403	0.1346	328.7175	<.0001
mdrg_803	Spinal Fusion Except Cervical	1	0.1622	0.157	1.0681	0.3014
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-1.8077	0.1793	101.6349	<.0001
mdrg_808	Cervical Spinal Fusion	1	-0.4744	0.2517	3.5517	0.0595
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-0.3609	0.1673	4.6552	0.031
mdrg_816	Lower Extrem And Humer Proc Except Hip -Foot -Femur	1	-1.2399	0.3546	12.2243	0.0005
mdrg_834	Medical Back Problems	1	-1.3434	0.3547	14.3474	0.0002
mdrg_903	Other Skin - Subcut Tiss And Breast Proc	1	0.9585	0.1588	36.4363	<.0001
mdrg_904	Mastectomy For Malignancy	1	1.0552	0.2603	16.438	<.0001
mdrg_910	Cellulitis	1	-2.3981	0.3789	40.0471	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-0.8078	0.3796	4.5281	0.0333
mdrg_1007	Diabetes	1	-0.4801	0.1695	8.0233	0.0046
mdrg_1008	Misc Disorders Of Nutrition -Metabolism - Fluids/Electrolytes	1	-0.8861	0.1851	22.924	<.0001
mdrg_1010	Endocrine Disorders	1	-0.4404	0.3347	1.7314	0.1882
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	1.4979	0.1518	97.3212	<.0001
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	0.5752	0.2532	5.1632	0.0231

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1110	Renal Failure	1	-1.1685	0.155	56.8032	<.0001
mdrg_1113	Kidney And Urinary Tract Infections	1	-2.1821	0.2903	56.4907	<.0001
mdrg_1118	Other Kidney And Urinary Tract Diagnoses	1	-0.9643	0.3031	10.1217	0.0015
mdrg_1309	Malignancy - Female Reproductive System	1	1.0251	0.3552	8.3269	0.0039
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-0.1177	0.1296	0.8245	0.3639
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.6078	0.3485	21.2866	<.0001
mdrg_1803	Postoperative And Post-Traumatic Infections	1	-1.899	0.2953	41.3409	<.0001
mdrg_1806	Other Infectious And Parasitic Diseases Diagnoses	1	-1.2938	0.3913	10.9336	0.0009
mdrg_1807	Septicemia Or Severe Sepsis W Mv >96 Hours	1	0.6833	0.1255	29.6548	<.0001
mdrg_1808	Septicemia Or Severe Sepsis W/O Mv >96 Hours	1	-1.4198	0.1147	153.2631	<.0001
mdrg_2108	Complications Of Treatment	1	-0.5341	0.3345	2.5495	0.1103
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	1.4815	0.0995	221.7494	<.0001

c-statistic=0.829

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 5. Risk Adjustment Coefficients for PSI 07 Central Venous Catheter-Related Blood Stream Infection Rate

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-9.9588	0.1132	7741.637	<.0001
F_AgeCat_1	Female Age < 30	1	0.0661	0.1539	0.1845	0.6675
F_AgeCat_2	Female Age < 35	1	-0.1964	0.1814	1.1715	0.2791
F_AgeCat_3	Female Age < 40	1	-0.2799	0.1722	2.6407	0.1042
F_AgeCat_4	Female Age < 45	1	0.0485	0.1566	0.096	0.7567
F_AgeCat_5	Female Age < 50	1	0.1256	0.1487	0.7143	0.398
F_AgeCat_6	Female Age < 55	1	0.0144	0.1417	0.0103	0.9193
F_AgeCat_7	Female Age < 60	1	0.1176	0.1421	0.6851	0.4078
F_AgeCat_8	Female Age < 65	1	-0.0292	0.1421	0.0422	0.8372
F_AgeCat_10	Female Age >=70	1	-0.0961	0.1437	0.447	0.5037
F_AgeCat_11	Female Age >=75	1	-0.2619	0.1598	2.6877	0.1011
F_AgeCat_12	Female Age >=80	1	-0.0484	0.1717	0.0795	0.778
F_AgeCat_13	Female Age >=85	1	-0.4059	0.173	5.503	0.019
M_AgeCat_1	Male Age < 30	1	-0.2685	0.1568	2.9315	0.0869
M_AgeCat_2	Male Age < 35	1	0.1787	0.176	1.031	0.3099
M_AgeCat_3	Male Age < 40	1	-0.2061	0.163	1.5978	0.2062
M_AgeCat_4	Male Age < 45	1	0.4383	0.1472	8.8679	0.0029
M_AgeCat_5	Male Age < 50	1	0.005	0.1415	0.0012	0.972
M_AgeCat_6	Male Age < 55	1	0.0753	0.1288	0.3422	0.5585
M_AgeCat_7	Male Age < 60	1	-0.133	0.1237	1.1549	0.2825
M_AgeCat_8	Male Age < 65	1	0.2806	0.1303	4.6374	0.0313
M_AgeCat_9	Male Age >=65	1	0.2427	0.1325	3.3535	0.0671
M_AgeCat_10	Male Age >=70	1	-0.1136	0.1329	0.7298	0.393
M_AgeCat_11	Male Age >=75	1	0.0227	0.1432	0.0251	0.8742
M_AgeCat_12	Male Age >=80	1	-0.3736	0.1671	4.9957	0.0254
M_AgeCat_13	Male Age >=85	1	-0.2481	0.1922	1.6669	0.1967
TRNSFER	Transfer from an acute care facility	1	0.7348	0.0626	137.7201	<.0001

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PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
ANEMDEF	Deficiency Anemias	1	0.3359	0.0504	44.4206	<.0001
ARTH	Rheumatoid arthritis/collagen vas	1	0.5056	0.099	26.0714	<.0001
CHF	Congestive heart failure	1	0.5568	0.064	75.7042	<.0001
COAG	Coagulopathy	1	0.4892	0.072	46.1343	<.0001
DM	Diabetes w/o chronic complications	1	-0.1529	0.0562	7.3927	0.0065
DRUG	Drug abuse	1	0.6164	0.0704	76.5799	<.0001
HTN_C	Hypertension	1	-0.3956	0.0473	69.965	<.0001
LIVER	Liver disease	1	0.3311	0.0866	14.627	0.0001
LYTES	Fluid and electrolyte disorders	1	0.5734	0.0467	151.0228	<.0001
OBESE	Obesity	1	0.3857	0.0537	51.6872	<.0001
PARA	Paralysis	1	0.9151	0.0726	158.7767	<.0001
PSYCH	Psychoses	1	0.4173	0.073	32.7161	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.5136	0.0915	31.5001	<.0001
RENFAIL	Renal failure	1	0.2787	0.0643	18.804	<.0001
WGHTLOSS	Weight loss	1	1.0423	0.0617	285.4238	<.0001
MDC_1	MDC 1: Nervous System	1	1.4978	0.082	333.5215	<.0001
MDC_4	MDC 4: Respiratory System	1	0.8169	0.1073	57.9111	<.0001
MDC_5	MDC 5: Circulatory System	1	1.2403	0.0786	249.0565	<.0001
MDC_6	MDC 6: Digestive System	1	0.793	0.0997	63.2845	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	2.5092	0.0963	679.4779	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	1.5235	0.1629	87.4175	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	0.8524	0.2322	13.4726	0.0002
mdrg_114	Intracranial Hemorrhage Or Cerebral Infarction	1	-1.3889	0.2461	31.8536	<.0001
mdrg_128	Seizures	1	-0.7101	0.2197	10.4415	0.0012
mdrg_404	Respiratory Infections And Inflammations	1	-0.4953	0.2557	3.7531	0.0527
mdrg_409	Chronic Obstructive Pulmonary Disease	1	-2.4104	0.4199	32.9447	<.0001
mdrg_410	Simple Pneumonia And Pleurisy	1	-2.6635	0.4576	33.8778	<.0001
mdrg_416	Respiratory System Diagnosis W Ventilator Support	1	0.6348	0.152	17.4483	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	0.9414	0.159	35.0734	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-1.4128	0.3394	17.3317	<.0001
mdrg_523	Acute And Subacute Endocarditis	1	1.2265	0.3618	11.4919	0.0007
mdrg_524	Heart Failure And Shock	1	-1.2755	0.197	41.9006	<.0001
mdrg_527	Peripheral Vascular Disorders	1	-1.4468	0.4134	12.2455	0.0005
mdrg_531	Cardiac Arrhythmia And Conduction Disorders	1	-1.3796	0.2954	21.808	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	1.4596	0.2035	51.4452	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	1.7739	0.1261	198.028	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	1.5734	0.1983	62.9846	<.0001
mdrg_620	Esophagitis - Gastroent And Misc Digest Disorders	1	-0.9346	0.2153	18.8383	<.0001
mdrg_621	Other Digestive System Diagnoses	1	0.6065	0.1954	9.634	0.0019
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	0.2906	0.2621	1.2295	0.2675
mdrg_711	Disorders Of Liver Except Malig -Cirr -Alc Hepa	1	0.1704	0.3077	0.3065	0.5798
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	1.7978	0.357	25.3539	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	1.6292	0.2927	30.9762	<.0001
mdrg_830	Osteomyelitis	1	1.996	0.3209	38.689	<.0001
mdrg_832	Connective Tissue Disorders	1	2.4745	0.229	116.7667	<.0001
mdrg_910	Cellulitis	1	-0.6929	0.2925	5.6126	0.0178
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-0.2908	0.1243	5.4742	0.0193
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.1609	0.3441	11.381	0.0007
mdrg_1803	Postoperative And Post-Traumatic Infections	1	-1.9844	0.4171	22.6395	<.0001
mdrg_1808	Septicemia Or Severe Sepsis W/O Mv >96 Hours	1	-2.0305	0.1264	257.8464	<.0001
mdrg_2107	Poisoning And Toxic Effects Of Drugs	1	-1.5872	0.2977	28.4227	<.0001
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	1.3444	0.1351	98.9547	<.0001

c-statistic=0.837

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 6. Risk Adjustment Coefficients for PSI 08 In-Hospital Fall with Hip Fracture Rate

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-10.6204	0.2215	2298.651	<.0001
F_AgeCat_2	Female Age < 35	1	-1.5689	1.225	1.6403	0.2003
F_AgeCat_3	Female Age < 40	1	0.2482	1.0002	0.0616	0.804
F_AgeCat_4	Female Age < 45	1	-1.0804	0.802	1.815	0.1779
F_AgeCat_5	Female Age < 50	1	-0.6412	0.4535	1.9986	0.1574
F_AgeCat_6	Female Age < 55	1	-0.3497	0.3232	1.1705	0.2793
F_AgeCat_7	Female Age < 60	1	-0.4816	0.26	3.4309	0.064
F_AgeCat_8	Female Age < 65	1	-0.5174	0.201	6.6294	0.01
F_AgeCat_10	Female Age >=70	1	0.1749	0.1675	1.0908	0.2963
F_AgeCat_11	Female Age >=75	1	0.0152	0.1645	0.0085	0.9264
F_AgeCat_12	Female Age >=80	1	0.7055	0.1446	23.8095	<.0001
F_AgeCat_13	Female Age >=85	1	0.1014	0.1122	0.8168	0.3661
M_AgeCat_1	Male Age < 30	1	-1.32	1.225	1.1612	0.2812
M_AgeCat_2	Male Age < 35	1	-0.6149	0.8663	0.5037	0.4779
M_AgeCat_3	Male Age < 40	1	0.3189	0.7074	0.2032	0.6522
M_AgeCat_4	Male Age < 45	1	0.0904	0.6711	0.0182	0.8928
M_AgeCat_5	Male Age < 50	1	-0.8545	0.5127	2.778	0.0956
M_AgeCat_6	Male Age < 55	1	-0.3045	0.3206	0.9021	0.3422
M_AgeCat_7	Male Age < 60	1	0.0922	0.2894	0.1016	0.75
M_AgeCat_8	Male Age < 65	1	-1.213	0.2419	25.1371	<.0001
M_AgeCat_9	Male Age >=65	1	-0.8603	0.2146	16.0643	<.0001
M_AgeCat_10	Male Age >=70	1	0.6341	0.2228	8.0991	0.0044
M_AgeCat_11	Male Age >=75	1	0.3625	0.1802	4.0481	0.0442
M_AgeCat_12	Male Age >=80	1	0.3254	0.161	4.0859	0.0432
M_AgeCat_13	Male Age >=85	1	0.2366	0.1463	2.6166	0.1057
TRANSFER	Transfer from an acute care facility	1	0.1143	0.1128	1.0267	0.3109
CHRN LUNG	Chronic pulmonary disease	1	0.272	0.0699	15.1638	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
DEPRESS	Depression	1	0.3033	0.0873	12.0783	0.0005
DMCX	Diabetes w/ chronic complications	1	-0.2435	0.1188	4.2031	0.0404
DRUG	Drug abuse	1	0.6895	0.1919	12.9058	0.0003
HTN_C	Hypertension	1	-0.3577	0.0656	29.7097	<.0001
IMMUNE	Immune disorders	1	0.3689	0.0872	17.9125	<.0001
LIVER	Liver disease	1	0.3923	0.1557	6.3493	0.0117
NEURO	Neurological disease	1	0.3516	0.0864	16.551	<.0001
OBESE	Obesity	1	-0.9634	0.1397	47.5241	<.0001
PSYCH	Psychoses	1	0.6736	0.124	29.5001	<.0001
MDC_1	MDC 1: Nervous System	1	1.2363	0.2089	35.0161	<.0001
MDC_4	MDC 4: Respiratory System	1	0.899	0.1983	20.5555	<.0001
MDC_5	MDC 5: Circulatory System	1	0.8953	0.1963	20.7984	<.0001
MDC_6	MDC 6: Digestive System	1	0.7934	0.2101	14.2633	0.0002
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	0.2205	0.2962	0.5543	0.4566
MDC_9	MDC 9: Skin Subcutaneous And Breast	1	-0.0149	0.2746	0.0029	0.9568
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	0.0159	0.2597	0.0037	0.9513
MDC_11	MDC 11: Kidney And Urinary Tract	1	0.9866	0.2101	22.0543	<.0001
MDC_16	MDC 16: Blood and Immunological	1	-0.069	0.322	0.0459	0.8303
mdrg_404	Respiratory Infections And Inflammations	1	-1.2633	0.5127	6.0697	0.0138
mdrg_408	Pulmonary Edema And Respiratory Failure	1	-0.5295	0.4239	1.56	0.2117
mdrg_409	Chronic Obstructive Pulmonary Disease	1	-0.7961	0.3106	6.5715	0.0104
mdrg_410	Simple Pneumonia And Pleurisy	1	-1.0748	0.299	12.9232	0.0003
mdrg_416	Respiratory System Diagnosis W Ventilator Support	1	0.1197	0.3516	0.116	0.7334
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-0.4313	0.4208	1.0502	0.3055
mdrg_520	Acute Myocardial Infarction	1	-0.7387	0.3912	3.5663	0.059
mdrg_522	Circulatory Disorders Except Ami - W Card Cath	1	-1.4383	0.7143	4.055	0.044
mdrg_524	Heart Failure And Shock	1	-1.3939	0.3182	19.1938	<.0001
mdrg_531	Cardiac Arrhythmia And Conduction Disorders	1	-2.5115	0.7142	12.3659	0.0004
mdrg_534	Chest Pain	1	-1.3974	0.7143	3.827	0.0504

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-0.7601	1.0084	0.5681	0.451
mdrg_602	Major Small And Large Bowel Procedures	1	0.2058	0.3418	0.3626	0.547
mdrg_615	G.I. Hemorrhage	1	-1.3758	0.4657	8.7275	0.003
mdrg_619	G.I. Obstruction	1	-1.0607	0.5917	3.2132	0.073
mdrg_620	Esophagitis - Gastroent And Misc Digest Disorders	1	-1.2166	0.4283	8.0669	0.0045
mdrg_621	Other Digestive System Diagnoses	1	-1.92	1.0083	3.6256	0.0569
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	5.3544	0.2604	422.7675	<.0001
mdrg_1110	Renal Failure	1	-1.0965	0.329	11.105	0.0009
mdrg_1113	Kidney And Urinary Tract Infections	1	-1.5271	0.4003	14.5545	0.0001
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	3.5564	0.22	261.3443	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	3.0452	0.38	64.2265	<.0001
mdrg_1808	Septicemia Or Severe Sepsis W/O Mv >96 Hours	1	-0.5547	0.342	2.63	0.1049
mdrg_1915	Psychoses	1	2.5796	0.3376	58.3784	<.0001
mdrg_2104	Other O.R. Procedures For Injuries	1	2.4272	0.4471	29.472	<.0001
mdrg_2301	O.R. Proc W Diagnoses Of Other Contact W Health Services	1	4.6953	0.3166	219.9507	<.0001
mdrg_2302	Rehabilitation	1	2.8082	0.2079	182.511	<.0001
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	5.0843	0.0885	3297.209	<.0001

c-statistic=0.925

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 7. Risk Adjustment Coefficients for PSI 09 Perioperative Hemorrhage or Hematoma Rate

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-6.0067	0.0699	7375.74	<.0001
F_AgeCat_1	Female Age < 30	1	-0.2725	0.0689	15.628	<.0001
F_AgeCat_2	Female Age < 35	1	0.0089	0.0632	0.0198	0.888
F_AgeCat_3	Female Age < 40	1	0.0465	0.0542	0.734	0.3916
F_AgeCat_4	Female Age < 45	1	0.0027	0.0481	0.0032	0.955
F_AgeCat_5	Female Age < 50	1	-0.0426	0.045	0.8934	0.3446
F_AgeCat_6	Female Age < 55	1	-0.0501	0.0429	1.3603	0.2435
F_AgeCat_7	Female Age < 60	1	0.0047	0.0418	0.0128	0.9098
F_AgeCat_8	Female Age < 65	1	-0.0215	0.0405	0.2833	0.5945
F_AgeCat_10	Female Age >=70	1	0.0254	0.0407	0.3876	0.5336
F_AgeCat_11	Female Age >=75	1	0.1325	0.0425	9.7357	0.0018
F_AgeCat_12	Female Age >=80	1	-0.0694	0.047	2.1779	0.14
F_AgeCat_13	Female Age >=85	1	0.0298	0.0574	0.2687	0.6042
F_AgeCat_14	Female Age >=90	1	-0.3612	0.0919	15.4488	<.0001
M_AgeCat_1	Male Age < 30	1	-0.1215	0.0743	2.6749	0.1019
M_AgeCat_2	Male Age < 35	1	0.0566	0.0806	0.4923	0.4829
M_AgeCat_3	Male Age < 40	1	-0.0475	0.0715	0.4423	0.506
M_AgeCat_4	Male Age < 45	1	-0.0101	0.0588	0.0296	0.8635
M_AgeCat_5	Male Age < 50	1	-0.0262	0.0482	0.2953	0.5869
M_AgeCat_6	Male Age < 55	1	0.0337	0.0406	0.6887	0.4066
M_AgeCat_7	Male Age < 60	1	-0.0153	0.0374	0.1673	0.6825
M_AgeCat_8	Male Age < 65	1	0.0791	0.0384	4.2542	0.0392
M_AgeCat_9	Male Age >=65	1	0.0791	0.0376	4.4287	0.0353
M_AgeCat_10	Male Age >=70	1	0.0298	0.0359	0.6873	0.4071
M_AgeCat_11	Male Age >=75	1	0.0751	0.0385	3.8133	0.0508
M_AgeCat_12	Male Age >=80	1	0.003	0.0437	0.0046	0.9458

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
M_AgeCat_13	Male Age >=85	1	-0.0643	0.0584	1.2112	0.2711
M_AgeCat_14	Male Age >=90	1	-0.1323	0.1005	1.7345	0.1878
TRANSFER	Transfer from an acute care facility	1	0.1529	0.0275	30.952	<.0001
AIDS	Acquired immune deficiency syndrome	1	-0.7041	0.2205	10.1971	0.0014
ALCOHOL	Alcohol abuse	1	0.1326	0.0376	12.461	0.0004
ANEMDEF	Deficiency Anemias	1	-0.3351	0.0224	224.5429	<.0001
CHF	Congestive heart failure	1	0.282	0.0303	86.636	<.0001
COAG	Coagulopathy	1	0.3179	0.0802	15.729	<.0001
DM	Diabetes w/o chronic complications	1	-0.1198	0.0175	46.9802	<.0001
DMCX	Diabetes w/ chronic complications	1	-0.1613	0.0314	26.3646	<.0001
DRUG	Drug abuse	1	0.13	0.045	8.3552	0.0038
IMMUNE	Immune disorders	1	0.4384	0.0269	265.8277	<.0001
LIVER	Liver disease	1	0.2588	0.0377	47.1872	<.0001
LYTES	Fluid and electrolyte disorders	1	-0.0928	0.023	16.3356	<.0001
METS	Metastatic cancer	1	0.0731	0.0355	4.228	0.0398
PERIVASC	Peripheral vascular disease	1	0.2256	0.0211	114.5718	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.3537	0.0475	55.5055	<.0001
RENLFAIL	Renal failure	1	0.1521	0.0225	45.5443	<.0001
VALVE	Valvular disease	1	0.4198	0.034	152.7622	<.0001
WGHTLOSS	Weight loss	1	0.2573	0.0305	71.052	<.0001
MDC_1	MDC 1: Nervous System	1	1.5596	0.0976	255.4008	<.0001
MDC_3	MDC 3: Ear Nose Mouth And Throat	1	2.2857	0.0959	568.2921	<.0001
MDC_4	MDC 4: Respiratory System	1	2.0006	0.0992	406.4845	<.0001
MDC_5	MDC 5: Circulatory System	1	1.8767	0.0691	737.7711	<.0001
MDC_6	MDC 6: Digestive System	1	2.3306	0.1114	438.0468	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	2.7886	0.1041	717.0934	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	-0.1088	0.1167	0.8695	0.3511
MDC_9	MDC 9: Skin Subcutaneous And Breast	1	1.7819	0.0799	497.4249	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	2.7417	0.1376	396.7622	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	2.3578	0.1467	258.3146	<.0001
MDC_13	MDC 13: Female Reproductive System	1	2.4818	0.3897	40.5485	<.0001
MDC_16	MDC 16: Blood and Immunological	1	2.1694	0.2392	82.247	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	2.5181	0.2567	96.2492	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	1.5927	0.1392	130.8341	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	1.9805	0.2304	73.8931	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	-1.8794	0.2031	85.6567	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	-1.5152	0.1074	198.8953	<.0001
mdrg_104	Spinal Procedures	1	-1.1122	0.1325	70.4168	<.0001
mdrg_105	Ventricular Shunt Procedures	1	-3.1777	0.415	58.6226	<.0001
mdrg_106	Carotid Artery Stent Procedure	1	-1.7969	0.2137	70.668	<.0001
mdrg_107	Extracranial Procedures	1	-0.2041	0.0831	6.0353	0.014
mdrg_108	Periph/Cranial Nerve And Other Nerv Syst Proc	1	-1.6653	0.1639	103.2742	<.0001
mdrg_301	Major Head And Neck Procedures	1	-1.5178	0.1161	170.9184	<.0001
mdrg_302	Other Ear - Nose - Mouth And Throat O.R. Procedures	1	-1.103	0.114	93.5488	<.0001
mdrg_303	Sinus And Mastoid Procedures	1	-1.924	0.4154	21.4529	<.0001
mdrg_304	Mouth Procedures	1	-2.0472	0.3416	35.9197	<.0001
mdrg_305	Salivary Gland Procedures	1	-1.5855	0.3108	26.0216	<.0001
mdrg_401	Major Chest Procedures	1	-1.0668	0.0875	148.5597	<.0001
mdrg_402	Other Resp System O.R. Procedures	1	-2.7581	0.1471	351.5458	<.0001
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-2.2678	0.1004	510.4486	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	0.2834	0.0353	64.2906	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	-1.842	0.0938	385.635	<.0001
mdrg_505	Other Cardiothoracic Procedures	1	0.533	0.0753	50.132	<.0001
mdrg_506	Coronary Bypass W Ptca	1	-0.4406	0.154	8.1858	0.0042

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_507	Coronary Bypass W/O Ptca	1	-0.4508	0.0407	122.5901	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-1.4272	0.0914	243.675	<.0001
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	-1.7702	0.1321	179.5867	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-2.5081	0.0579	1876.95	<.0001
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-1.9583	0.0854	525.2498	<.0001
mdrg_514	Other Vascular Procedures	1	-0.6271	0.0397	249.537	<.0001
mdrg_515	Upper Limb And Toe Amputation For Circ System Disorders	1	-3.4225	0.4095	69.8422	<.0001
mdrg_516	Cardiac Pacemaker Device Replacement	1	-2.4545	0.4485	29.9505	<.0001
mdrg_517	Cardiac Pacemaker Revision Except Device Replacement	1	-1.3888	0.1648	71.0293	<.0001
mdrg_519	Other Circulatory System O.R. Procedures	1	-1.7727	0.1088	265.2098	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-1.5457	0.1054	215.2439	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	-1.4343	0.0945	230.1155	<.0001
mdrg_603	Rectal Resection	1	-1.3168	0.1268	107.8978	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	-1.8767	0.1114	283.6382	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	-2.3453	0.1427	270.1875	<.0001
mdrg_606	Appendectomy W/O Complicated Principal Diag	1	-2.4848	0.1209	422.5287	<.0001
mdrg_607	Minor Small And Large Bowel Procedures	1	-1.7897	0.1447	153.0514	<.0001
mdrg_608	Anal And Stomal Procedures	1	-2.5745	0.1686	233.1191	<.0001
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-1.5849	0.1318	144.5529	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-1.6768	0.1102	231.6406	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-1.7276	0.1392	154.1041	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-1.5969	0.1033	239.029	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-1.3899	0.1667	69.4981	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_703	Cholecystectomy W C.D.E.	1	-1.9476	0.2719	51.3102	<.0001
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-1.4724	0.107	189.3541	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-2.8285	0.0933	919.7258	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	-1.921	0.2646	52.715	<.0001
mdrg_707	Other Hepatobiliary Or Pancreas O.R. Procedures	1	-2.1149	0.2571	67.6814	<.0001
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	0.6897	0.1362	25.6281	<.0001
mdrg_802	Spinal Fus Exc Cerv W Spinal Curv/Malig/Infec Or Ext Fus	1	0.8672	0.1562	30.8296	<.0001
mdrg_803	Spinal Fusion Except Cervical	1	0.1356	0.109	1.5486	0.2133
mdrg_804	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	1	-1.7906	0.3311	29.2386	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	0.6742	0.1268	28.2891	<.0001
mdrg_806	Revision Of Hip Or Knee Replacement	1	-0.6537	0.1444	20.4957	<.0001
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-1.9861	0.1156	295.3842	<.0001
mdrg_808	Cervical Spinal Fusion	1	0.0385	0.1141	0.114	0.7357
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	0.3765	0.1707	4.8686	0.0273
mdrg_810	Biopsies Of Musculoskeletal System And Connective Tissue	1	-0.8025	0.2394	11.235	0.0008
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-1.2003	0.1321	82.5808	<.0001
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-1.4474	0.1976	53.6548	<.0001
mdrg_813	Knee Procedures W Pdx Of Infection	1	-1.0964	0.367	8.924	0.0028
mdrg_814	Knee Procedures W/O Pdx Of Infection	1	-1.5572	0.3475	20.0842	<.0001
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	0.4842	0.1155	17.5587	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_816	Lower Extrem And Humer Proc Except Hip -Foot -Femur	1	-1.8313	0.1756	108.7416	<.0001
mdrg_817	Local Excision And Removal Int Fix Devices Exc Hip And Femur	1	-0.2992	0.1813	2.7249	0.0988
mdrg_819	Soft Tissue Procedures	1	0.1519	0.1497	1.029	0.3104
mdrg_820	Foot Procedures	1	-1.0954	0.305	12.9029	0.0003
mdrg_826	Other Musculoskelet Sys And Conn Tiss O.R. Proc	1	-0.399	0.1688	5.5907	0.0181
mdrg_901	Skin Debridement Or Skin Graft For Skin Ulcer Or Cellulitis	1	-1.807	0.1213	221.9541	<.0001
mdrg_902	Skin Graft Exc For Skin Ulcer Or Cellulitis	1	-0.3321	0.1096	9.1781	0.0024
mdrg_903	Other Skin - Subcut Tiss And Breast Proc	1	-0.1814	0.0615	8.6912	0.0032
mdrg_1001	Adrenal And Pituitary Procedures	1	-1.9299	0.1861	107.4818	<.0001
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit - And Metabol Dis	1	-2.799	0.1743	257.8435	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-2.0931	0.1306	256.7301	<.0001
mdrg_1004	Skin Grafts And Wound Debrid For Endoc - Nutrit And Metab Dis	1	-3.1839	0.2787	130.5216	<.0001
mdrg_1005	Thyroid - Parathyroid And Thyroglossal Procedures	1	-1.2631	0.1336	89.3955	<.0001
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	-3.066	0.2109	211.2839	<.0001
mdrg_1101	Kidney Transplant	1	-0.7797	0.1538	25.696	<.0001
mdrg_1102	Major Bladder Procedures	1	-1.6033	0.1786	80.5456	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	-1.4146	0.1465	93.223	<.0001
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-1.7861	0.1508	140.199	<.0001
mdrg_1105	Minor Bladder Procedures	1	-0.4894	0.173	7.9999	0.0047
mdrg_1106	Prostatectomy	1	-1.9516	0.271	51.8425	<.0001
mdrg_1107	Transurethral Procedures	1	-2.9777	0.1772	282.4363	<.0001
mdrg_1108	Urethral Procedures	1	-1.8916	0.3435	30.3282	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	-1.8765	0.1596	138.1971	<.0001
mdrg_1203	Testes Procedures	1	1.1861	0.2074	32.6997	<.0001
mdrg_1204	Transurethral Prostatectomy	1	1.1552	0.1003	132.5434	<.0001
mdrg_1301	Pelvic Evisceration - Rad Hysterectomy And Rad Vulvectomy	1	-1.328	0.404	10.8061	0.001
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-1.4844	0.4008	13.7132	0.0002
mdrg_1303	Uterine -Adnexa Proc For Non-Ovarian/Adnexal Malig	1	-1.6409	0.3955	17.2086	<.0001
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-1.2752	0.3854	10.9484	0.0009
mdrg_1305	Dandc - Conization - Laparoscopy And Tubal Interruption	1	-2.1332	0.43	24.6103	<.0001
mdrg_1306	Vagina - Cervix And Vulva Procedures	1	-1.5469	0.4053	14.5687	0.0001
mdrg_1307	Female Reproductive System Reconstructive Procedures	1	-2.0241	0.4102	24.3425	<.0001
mdrg_1308	Other Female Reproductive System O.R. Procedures	1	-1.2069	0.4233	8.1282	0.0044
mdrg_1601	Splenectomy	1	-0.7507	0.2989	6.3079	0.012
mdrg_1602	Other O.R. Proc Of The Blood And Blood Forming Organs	1	-1.2933	0.2965	19.0324	<.0001
mdrg_1707	Lymphoma And Leukemia W Major O.R. Procedure	1	-1.0679	0.2672	15.9718	<.0001
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	-2.3263	0.3036	58.7095	<.0001
mdrg_1709	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R. Proc	1	-0.8854	0.2706	10.7037	0.0011
mdrg_1710	Myeloprolif Disord Or Poorly Diff Neopl W Other O.R. Proc	1	-2.1804	0.3814	32.6753	<.0001
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-1.1248	0.1313	73.3925	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.1175	0.1509	54.86	<.0001
mdrg_2101	Wound Debridements For Injuries	1	-1.5647	0.2914	28.835	<.0001
mdrg_2102	Skin Grafts For Injuries	1	-0.9717	0.2664	13.3088	0.0003
mdrg_2103	Hand Procedures For Injuries	1	-2.6366	0.4648	32.182	<.0001
mdrg_2104	Other O.R. Procedures For Injuries	1	-1.1504	0.232	24.5823	<.0001
mdrg_2408	Other O.R. Procedures For Multiple Significant Trauma	1	0.5405	0.1277	17.9145	<.0001
mdrg_7701	Heart Transplant Or Implant Of Heart Assist System	1	1.5536	0.0739	442.3341	<.0001
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-2.1115	0.0741	810.9342	<.0001

c-statistic=0.776

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 8. Risk Adjustment Coefficients for PSI 10 Postoperative Acute Kidney Injury Requiring Dialysis

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-8.2772	0.122	4601.361	<.0001
F_AgeCat_1	Female Age < 30	1	-0.8304	0.4695	3.1283	0.0769
F_AgeCat_2	Female Age < 35	1	0.8113	0.4499	3.2516	0.0714
F_AgeCat_3	Female Age < 40	1	-0.3142	0.4335	0.5254	0.4686
F_AgeCat_4	Female Age < 45	1	-0.2211	0.3182	0.4829	0.4871
F_AgeCat_5	Female Age < 50	1	-0.4783	0.2387	4.0146	0.0451
F_AgeCat_6	Female Age < 55	1	-0.1235	0.1784	0.4797	0.4885
F_AgeCat_7	Female Age < 60	1	-0.2275	0.1517	2.2476	0.1338
F_AgeCat_8	Female Age < 65	1	-0.0707	0.131	0.2911	0.5895
F_AgeCat_10	Female Age >=70	1	0.0478	0.1262	0.1434	0.705
F_AgeCat_11	Female Age >=75	1	0.1343	0.1308	1.0541	0.3046
F_AgeCat_12	Female Age >=80	1	-0.0246	0.147	0.028	0.8672
F_AgeCat_13	Female Age >=85	1	-0.2795	0.1921	2.1185	0.1455
M_AgeCat_1	Male Age < 30	1	-0.2778	0.4505	0.3801	0.5375
M_AgeCat_2	Male Age < 35	1	-0.1914	0.4228	0.205	0.6507
M_AgeCat_3	Male Age < 40	1	-0.2813	0.3129	0.8082	0.3686
M_AgeCat_4	Male Age < 45	1	0.0404	0.2278	0.0315	0.8592
M_AgeCat_5	Male Age < 50	1	-0.0413	0.1829	0.051	0.8213
M_AgeCat_6	Male Age < 55	1	-0.16	0.1412	1.2837	0.2572
M_AgeCat_7	Male Age < 60	1	-0.1596	0.1144	1.9474	0.1629
M_AgeCat_8	Male Age < 65	1	0.2099	0.115	3.3305	0.068
M_AgeCat_9	Male Age >=65	1	0.2855	0.1099	6.7529	0.0094
M_AgeCat_10	Male Age >=70	1	0.0521	0.0945	0.3037	0.5816
M_AgeCat_11	Male Age >=75	1	0.0664	0.0992	0.4485	0.5031
M_AgeCat_12	Male Age >=80	1	-0.0051	0.1135	0.0021	0.9638
M_AgeCat_13	Male Age >=85	1	-0.2509	0.1548	2.6258	0.1051

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TRANSFER	Transfer from an acute care facility	1	0.4266	0.1161	13.4947	0.0002
CHF	Congestive heart failure	1	0.605	0.0813	55.3993	<.0001
CHRNLUNG	Chronic pulmonary disease	1	0.0927	0.0527	3.1007	0.0783
DMCX	Diabetes w/ chronic complications	1	0.2357	0.0757	9.6869	0.0019
HTN_C	Hypertension	1	-0.5026	0.0484	107.8586	<.0001
IMMUNE	Immune disorders	1	0.6986	0.0656	113.4773	<.0001
LIVER	Liver disease	1	0.7341	0.0928	62.5351	<.0001
LYTES	Fluid and electrolyte disorders	1	0.2809	0.074	14.3957	0.0001
NEURO	Neurological disease	1	-0.329	0.1271	6.7053	0.0096
OBESE	Obesity	1	0.6195	0.0516	143.8814	<.0001
PERIVASC	Peripheral vascular disease	1	0.1529	0.0605	6.3899	0.0115
PULMCIRC	Pulmonary circulation disease	1	0.7303	0.1189	37.7495	<.0001
RENLFAIL	Renal failure	1	1.2088	0.0545	491.9361	<.0001
WGHTLOSS	Weight loss	1	0.8503	0.0815	108.7659	<.0001
MDC_4	MDC 4: Respiratory System	1	3.7953	0.1927	387.8952	<.0001
MDC_5	MDC 5: Circulatory System	1	2.4502	0.1008	590.3443	<.0001
MDC_6	MDC 6: Digestive System	1	3.3674	0.1659	412.1296	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	3.4263	0.1773	373.5009	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	0.7143	0.1379	26.8338	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	2.1736	0.3056	50.5834	<.0001
MDC_16	MDC 16: Blood and Immunological	1	1.9774	0.3286	36.2169	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	4.0311	0.3983	102.4167	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	3.523	0.3851	83.6855	<.0001
mdrg_401	Major Chest Procedures	1	-2.6498	0.2189	146.589	<.0001
mdrg_402	Other Resp System O.R. Procedures	1	-4.0763	0.5288	59.4198	<.0001
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-2.0232	0.4513	20.1004	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	0.1648	0.0755	4.7561	0.0292

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mdrg_504	Cardiac Defibrillator Implant	1	-1.981	0.3213	38.002	<.0001
mdrg_505	Other Cardiothoracic Procedures	1	-0.6684	0.322	4.3081	0.0379
mdrg_507	Coronary Bypass W/O Ptca	1	-0.4052	0.0978	17.1736	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-2.0727	0.285	52.8933	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-2.4018	0.2426	98.0141	<.0001
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-3.087	0.5032	37.6297	<.0001
mdrg_514	Other Vascular Procedures	1	-2.4012	0.1905	158.8077	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-2.2269	0.214	108.2864	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	-2.1783	0.1668	170.4865	<.0001
mdrg_603	Rectal Resection	1	-2.3129	0.313	54.6074	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	-2.138	0.2576	68.8902	<.0001
mdrg_607	Minor Small And Large Bowel Procedures	1	-4.1582	0.7217	33.1969	<.0001
mdrg_608	Anal And Stomal Procedures	1	-3.2848	0.722	20.6978	<.0001
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-3.3957	0.7225	22.0876	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-2.8629	0.2891	98.0699	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-2.5468	0.4336	34.4989	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-1.2466	0.1925	41.9325	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-2.0698	0.5986	11.9548	0.0005
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-2.9735	0.5236	32.2459	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-3.4587	0.4086	71.6631	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	-1.4117	0.526	7.2011	0.0073
mdrg_803	Spinal Fusion Except Cervical	1	-0.8512	0.2064	17.0061	<.0001
mdrg_804	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	1	-0.5694	0.3709	2.3569	0.1247
mdrg_806	Revision Of Hip Or Knee Replacement	1	-0.8882	0.2735	10.5413	0.0012

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mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-1.8612	0.166	125.6846	<.0001
mdrg_808	Cervical Spinal Fusion	1	-2.7977	0.588	22.6375	<.0001
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-0.7522	0.4616	2.6558	0.1032
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-2.1322	0.5123	17.3196	<.0001
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	-1.4212	0.3092	21.1213	<.0001
mdrg_816	Lower Extrem And Humer Proc Except Hip - Foot -Femur	1	-2.2987	0.7157	10.3152	0.0013
mdrg_1001	Adrenal And Pituitary Procedures	1	-2.1548	0.7662	7.9096	0.0049
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit -And Metabol Dis	1	-2.4517	0.6478	14.3209	0.0002
mdrg_1003	O.R. Procedures For Obesity	1	-2.4238	0.4148	34.1367	<.0001
mdrg_1005	Thyroid - Parathyroid And Thyroglossal Procedures	1	-3.3693	0.7662	19.3363	<.0001
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	-2.1498	0.6479	11.0094	0.0009
mdrg_1102	Major Bladder Procedures	1	2.1116	0.19	123.513	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	1.8441	0.1359	184.0357	<.0001
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	-0.9447	0.5102	3.4277	0.0641
mdrg_1707	Lymphoma And Leukemia W Major O.R. Procedure	1	-2.7466	0.5429	25.5921	<.0001
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	-2.2051	0.5437	16.4485	<.0001
mdrg_1709	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R. Proc	1	-2.6191	0.5432	23.2479	<.0001
mdrg_1710	Myeloprolif Disord Or Poorly Diff Neopl W Other O.R. Proc	1	-2.5464	0.6973	13.3366	0.0003
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-2.4999	0.4486	31.0561	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-3.5423	0.6249	32.1308	<.0001

AHRQ Quality Indicators™**Patient Safety Indicators (PSI) Parameter Estimates**

mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-2.4245	0.2592	87.4605	<.0001
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c-statistic=0.903

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex| age reference group is women age 65 and 69 years.

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	Intercept	1	-5.8558	0.1217	2315.83	<.0001
F_AgeCat_1	Female Age < 30	1	0.2342	0.1105	4.4939	0.034
F_AgeCat_2	Female Age < 35	1	-0.0471	0.1077	0.1913	0.6618
F_AgeCat_3	Female Age < 40	1	-0.2353	0.084	7.8371	0.0051
F_AgeCat_4	Female Age < 45	1	-0.1585	0.0645	6.0445	0.0139
F_AgeCat_5	Female Age < 50	1	-0.1907	0.0525	13.2069	0.0003
F_AgeCat_6	Female Age < 55	1	-0.1899	0.0433	19.236	<.0001
F_AgeCat_7	Female Age < 60	1	-0.1172	0.0383	9.3476	0.0022
F_AgeCat_8	Female Age < 65	1	-0.1514	0.0347	18.9955	<.0001
F_AgeCat_10	Female Age >=70	1	0.026	0.0345	0.5696	0.4504
F_AgeCat_11	Female Age >=75	1	0.1309	0.0382	11.7691	0.0006
F_AgeCat_12	Female Age >=80	1	0.1622	0.044	13.5631	0.0002
F_AgeCat_13	Female Age >=85	1	0.0244	0.0586	0.1733	0.6772
F_AgeCat_14	Female Age >=90	1	-0.0159	0.0994	0.0257	0.8727
M_AgeCat_1	Male Age < 30	1	-0.0159	0.1122	0.0201	0.8872
M_AgeCat_2	Male Age < 35	1	0.0371	0.1136	0.1063	0.7444
M_AgeCat_3	Male Age < 40	1	0.0644	0.0959	0.4512	0.5018
M_AgeCat_4	Male Age < 45	1	-0.1888	0.076	6.1634	0.013
M_AgeCat_5	Male Age < 50	1	-0.044	0.0586	0.5623	0.4533
M_AgeCat_6	Male Age < 55	1	-0.0788	0.0482	2.6732	0.1021
M_AgeCat_7	Male Age < 60	1	-0.1345	0.0423	10.1105	0.0015
M_AgeCat_8	Male Age < 65	1	-0.0823	0.037	4.9587	0.026
M_AgeCat_9	Male Age >=65	1	0.0907	0.0345	6.9167	0.0085
M_AgeCat_10	Male Age >=70	1	0.0465	0.0367	1.61	0.2045
M_AgeCat_11	Male Age >=75	1	0.1662	0.0397	17.5479	<.0001
M_AgeCat_12	Male Age >=80	1	0.1475	0.0458	10.3977	0.0013

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
M_AgeCat_13	Male Age >=85	1	0.0681	0.063	1.1688	0.2796
M_AgeCat_14	Male Age >=90	1	0.1175	0.1094	1.1525	0.283
TRNSFER	Transfer from an acute care facility	1	0.4438	0.0492	81.3605	<.0001
ALCOHOL	Alcohol abuse	1	0.6207	0.0396	245.7876	<.0001
BLDLOSS	Chronic blood loss anemia	1	0.1324	0.067	3.9068	0.0481
CHF	Congestive heart failure	1	0.7491	0.0239	978.4695	<.0001
CHRNLUNG	Chronic pulmonary disease	1	0.6198	0.0158	1539.855	<.0001
COAG	Coagulopathy	1	0.5314	0.0362	215.3539	<.0001
DEPRESS	Depression	1	0.1244	0.0204	37.0727	<.0001
DM	Diabetes w/o chronic complications	1	0.1662	0.0168	98.0888	<.0001
DRUG	Drug abuse	1	0.4319	0.0533	65.5619	<.0001
HTN_C	Hypertension	1	0.0757	0.0157	23.1245	<.0001
IMMUNE	Immune disorders	1	0.839	0.0269	974.4746	<.0001
LYTES	Fluid and electrolyte disorders	1	0.5204	0.0245	450.6757	<.0001
METS	Metastatic cancer	1	0.3776	0.0294	164.7049	<.0001
NEURO	Neurological disease	1	0.2914	0.0315	85.8339	<.0001
OBESE	Obesity	1	0.6754	0.0166	1659.981	<.0001
PARA	Paralysis	1	0.784	0.0431	331.1374	<.0001
PERIVASC	Peripheral vascular disease	1	0.1932	0.0275	49.4651	<.0001
PSYCH	Psychoses	1	0.366	0.0365	100.8113	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.82	0.0371	488.8083	<.0001
RENFAIL	Renal failure	1	0.3483	0.0224	241.7468	<.0001
TUMOR	Solid tumor w/out metastasis	1	0.1706	0.0433	15.4877	<.0001
VALVE	Valvular disease	1	0.2016	0.0301	44.7547	<.0001
WGHTLOSS	Weight loss	1	0.7536	0.0287	687.0933	<.0001
MDC_1	MDC 1: Nervous System	1	6.2607	0.1546	1640.448	<.0001
MDC_3	MDC 3: Ear Nose Mouth And Throat	1	3.1394	0.1843	290.0794	<.0001
MDC_6	MDC 6: Digestive System	1	6.3572	0.1539	1706.189	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	6.6249	0.2067	1027.329	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	5.8696	0.1521	1489.397	<.0001
MDC_9	MDC 9: Skin Subcutaneous And Breast	1	5.7075	0.2277	628.2529	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	5.4028	0.1579	1170.248	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	5.4605	0.1942	790.9954	<.0001
MDC_13	MDC 13: Female Reproductive System	1	6.6761	0.2894	532.0433	<.0001
MDC_16	MDC 16: Blood and Immunological	1	5.8325	0.2759	446.7487	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	5.0148	0.2492	404.7842	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	4.4278	0.2338	358.7591	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	3.8748	0.1959	391.1823	<.0001
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	-3.1284	0.2068	228.888	<.0001
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	-3.9555	0.1518	679.2749	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	-4.6088	0.1052	1917.468	<.0001
mdrg_104	Spinal Procedures	1	-5.6907	0.1458	1523.307	<.0001
mdrg_105	Ventricular Shunt Procedures	1	-6.3343	0.2177	846.6932	<.0001
mdrg_106	Carotid Artery Stent Procedure	1	-6.4748	0.1865	1204.948	<.0001
mdrg_107	Extracranial Procedures	1	-5.8872	0.1099	2868.235	<.0001
mdrg_108	Periph/Cranial Nerve And Other Nerv Syst Proc	1	-6.0981	0.1821	1121.368	<.0001
mdrg_301	Major Head And Neck Procedures	1	-2.1596	0.1957	121.7258	<.0001
mdrg_302	Other Ear - Nose - Mouth And Throat O.R. Procedures	1	-1.8975	0.2315	67.1866	<.0001
mdrg_304	Mouth Procedures	1	-2.2842	0.6043	14.2879	0.0002
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-4.6945	0.1038	2045.822	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	-4.8091	0.0999	2317.979	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_603	Rectal Resection	1	-5.085	0.1158	1928.954	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	-4.8165	0.1084	1973.195	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	-5.2723	0.2439	467.3279	<.0001
mdrg_606	Appendectomy W/O Complicated Principal Diag	1	-5.8853	0.2636	498.3676	<.0001
mdrg_607	Minor Small And Large Bowel Procedures	1	-5.8022	0.1348	1851.806	<.0001
mdrg_608	Anal And Stomal Procedures	1	-6.3324	0.2038	965.5507	<.0001
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-5.3686	0.1478	1319.103	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-5.1718	0.1081	2288.799	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-5.0755	0.1277	1580.722	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-4.5661	0.173	696.5222	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-5.2086	0.223	545.7145	<.0001
mdrg_703	Cholecystectomy W C.D.E.	1	-5.4838	0.3535	240.5972	<.0001
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-5.2306	0.188	773.6997	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-5.5802	0.1785	977.5564	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	-5.5918	0.2523	491.2903	<.0001
mdrg_707	Other Hepatobiliary Or Pancreas O.R. Procedures	1	-5.556	0.3032	335.6838	<.0001
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	-3.9507	0.1035	1456.817	<.0001
mdrg_802	Spinal Fus Exc Cerv W Spinal Curv/Malig/Infec Or Ext Fus	1	-3.7912	0.109	1210.208	<.0001
mdrg_803	Spinal Fusion Except Cervical	1	-5.5866	0.101	3057.885	<.0001
mdrg_804	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	1	-6.1286	0.1424	1852.651	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	-5.394	0.1261	1830.419	<.0001
mdrg_806	Revision Of Hip Or Knee Replacement	1	-6.0674	0.1124	2914.083	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-6.5972	0.0982	4509.828	<.0001
mdrg_808	Cervical Spinal Fusion	1	-5.3917	0.103	2740.139	<.0001
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	-5.7899	0.1631	1259.578	<.0001
mdrg_810	Biopsies Of Musculoskeletal System And Connective Tissue	1	-6.0725	0.2274	713.3434	<.0001
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-5.6858	0.1321	1851.64	<.0001
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-6.3557	0.1199	2808.572	<.0001
mdrg_813	Knee Procedures W Pdx Of Infection	1	-6.0741	0.2563	561.6715	<.0001
mdrg_814	Knee Procedures W/O Pdx Of Infection	1	-6.2573	0.1818	1183.977	<.0001
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	-6.233	0.1119	3104.985	<.0001
mdrg_816	Lower Extrem And Humer Proc Except Hip - Foot -Femur	1	-6.0436	0.1273	2253.106	<.0001
mdrg_817	Local Excision And Removal Int Fix Devices Exc Hip And Femur	1	-5.769	0.1481	1518.236	<.0001
mdrg_818	Local Excision And Removal Int Fix Devices Of Hip And Femur	1	-6.0479	0.3183	360.9457	<.0001
mdrg_819	Soft Tissue Procedures	1	-5.4577	0.1409	1499.401	<.0001
mdrg_820	Foot Procedures	1	-6.7451	0.3053	488.0049	<.0001
mdrg_821	Major Thumb Or Joint Procedures	1	-6.5445	1.009	42.0657	<.0001
mdrg_822	Major Shoulder Or Elbow Joint Procedures	1	-5.0809	0.2729	346.7039	<.0001
mdrg_823	Arthroscopy	1	-5.5432	0.7215	59.0327	<.0001
mdrg_824	Shoulder -Elbow Or Forearm Proc -Exc Major Joint Proc	1	-5.6479	0.2104	720.3493	<.0001
mdrg_825	Hand Or Wrist Proc - Except Major Thumb Or Joint Proc	1	-6.2748	0.5123	150.0403	<.0001
mdrg_826	Other Musculoskelet Sys And Conn Tiss O.R.	1	-5.3359	0.1349	1563.695	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
	Proc					
mdrg_901	Skin Debridement Or Skin Graft For Skin Ulcer Or Cellulitis	1	-6.1885	0.2519	603.4114	<.0001
mdrg_902	Skin Graft Exc For Skin Ulcer Or Cellulitis	1	-5.5236	0.2532	475.7276	<.0001
mdrg_903	Other Skin - Subcut Tiss And Breast Proc	1	-5.8876	0.2161	741.9912	<.0001
mdrg_904	Mastectomy For Malignancy	1	-6.0005	0.2387	631.8848	<.0001
mdrg_905	Breast Biopsy - Local Excision And Other Breast Procedures	1	-5.5317	0.2722	412.9993	<.0001
mdrg_1001	Adrenal And Pituitary Procedures	1	-4.0577	0.1407	831.7482	<.0001
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit -And Metabol Dis	1	-5.6136	0.199	795.4166	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-4.9209	0.1156	1813.063	<.0001
mdrg_1004	Skin Grafts And Wound Debrid For Endoc - Nutrit And Metab Dis	1	-5.4133	0.302	321.2605	<.0001
mdrg_1005	Thyroid - Parathyroid And Thyroglossal Procedures	1	-4.7289	0.1251	1427.949	<.0001
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	-5.229	0.1852	796.8723	<.0001
mdrg_1101	Kidney Transplant	1	-5.5261	1.021	29.2955	<.0001
mdrg_1102	Major Bladder Procedures	1	-3.6645	0.1626	507.9939	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	-4.0081	0.1585	639.1651	<.0001
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-4.7358	0.167	804.1839	<.0001
mdrg_1105	Minor Bladder Procedures	1	-5.0877	0.2549	398.4371	<.0001
mdrg_1106	Prostatectomy	1	-5.3853	0.3112	299.387	<.0001
mdrg_1107	Transurethral Procedures	1	-5.1078	0.1867	748.1165	<.0001
mdrg_1108	Urethral Procedures	1	-6.5899	0.7256	82.4791	<.0001
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	-5.4601	0.1806	913.919	<.0001
mdrg_1201	Major Male Pelvic Procedures	1	-0.1648	0.1452	1.2884	0.2563
mdrg_1202	Penis Procedures	1	0.056	0.3407	0.0271	0.8693

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1203	Testes Procedures	1	0.6156	0.4017	2.3487	0.1254
mdrg_1204	Transurethral Prostatectomy	1	-0.2801	0.1712	2.6785	0.1017
mdrg_1205	Other Male Reproductive System O.R. Proc For Malignancy	1	0.1409	0.5164	0.0745	0.7849
mdrg_1206	Other Male Reproductive System O.R. Proc Exc Malignancy	1	-0.8565	1.0116	0.7169	0.3972
mdrg_1301	Pelvic Evisceration - Rad Hysterectomy And Rad Vulvectomy	1	-5.3929	0.2805	369.5926	<.0001
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-4.9445	0.2727	328.7453	<.0001
mdrg_1303	Uterine -Adnexa Proc For Non-Ovarian/Adnexal Malig	1	-5.6029	0.2716	425.5952	<.0001
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-6.5867	0.2683	602.6171	<.0001
mdrg_1305	Dandc - Conization - Laparoscopy And Tubal Interruption	1	-6.3072	0.3655	297.8084	<.0001
mdrg_1306	Vagina - Cervix And Vulva Procedures	1	-7.2644	0.3542	420.6109	<.0001
mdrg_1307	Female Reproductive System Reconstructive Procedures	1	-7.1898	0.3291	477.3881	<.0001
mdrg_1308	Other Female Reproductive System O.R. Procedures	1	-5.3884	0.3078	306.3641	<.0001
mdrg_1601	Splenectomy	1	-4.2832	0.2911	216.4383	<.0001
mdrg_1602	Other O.R. Proc Of The Blood And Blood Forming Organs	1	-4.5234	0.3003	226.8833	<.0001
mdrg_1707	Lymphoma And Leukemia W Major O.R. Procedure	1	-3.8021	0.2411	248.6229	<.0001
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	-4.2544	0.2715	245.4873	<.0001
mdrg_1709	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R. Proc	1	-3.0254	0.2342	166.8218	<.0001
mdrg_1710	Myeloprolif Disord Or Poorly Diff Neopl W	1	-3.9356	0.2909	183.0262	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
	Other O.R. Proc					
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-2.6743	0.2084	164.6926	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-3.8318	0.2212	300.1157	<.0001
mdrg_2101	Wound Debridements For Injuries	1	-3.7216	0.2709	188.6666	<.0001
mdrg_2102	Skin Grafts For Injuries	1	-2.9617	0.2093	200.2885	<.0001
mdrg_2104	Other O.R. Procedures For Injuries	1	-2.691	0.1664	261.5306	<.0001
mdrg_2407	Limb Reattachment - Hip And Femur Proc For Multiple Significant Trauma	1	1.0976	0.4763	5.3109	0.0212
mdrg_7702	Liver Transplant	1	-3.9667	0.2733	210.6809	<.0001
mdrg_7705	Allogeneic Or Autologous Bone Marrow Transplant	1	-3.1966	0.3384	89.2399	<.0001
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-5.222	0.0904	3333.914	<.0001

c-statistic= 0.843

Table 10. Risk Adjustment Coefficients for PSI 12 Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-5.2044	0.0855	3701.711	<.0001
F_AgeCat_1	Female Age < 30	1	-0.1321	0.1034	1.632	0.2014
F_AgeCat_2	Female Age < 35	1	-0.0169	0.1032	0.0268	0.8699
F_AgeCat_3	Female Age < 40	1	-0.0663	0.0873	0.5768	0.4476
F_AgeCat_4	Female Age < 45	1	-0.0457	0.0721	0.4015	0.5263
F_AgeCat_5	Female Age < 50	1	-0.1405	0.0599	5.4971	0.019
F_AgeCat_6	Female Age < 55	1	-0.0827	0.0498	2.7585	0.0967
F_AgeCat_7	Female Age < 60	1	-0.1609	0.0436	13.6026	0.0002
F_AgeCat_8	Female Age < 65	1	-0.0432	0.0394	1.2049	0.2723

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
F_AgeCat_10	Female Age >=70	1	0.1139	0.0383	8.8267	0.003
F_AgeCat_11	Female Age >=75	1	0.0852	0.0396	4.6234	0.0315
F_AgeCat_12	Female Age >=80	1	0.0612	0.0422	2.1008	0.1472
F_AgeCat_13	Female Age >=85	1	0.0263	0.0478	0.3022	0.5825
F_AgeCat_14	Female Age >=90	1	-0.2816	0.0654	18.5687	<.0001
M_AgeCat_1	Male Age < 30	1	-0.1667	0.0858	3.7774	0.0519
M_AgeCat_2	Male Age < 35	1	0.0496	0.0946	0.2743	0.6005
M_AgeCat_3	Male Age < 40	1	-0.1136	0.0842	1.8196	0.1774
M_AgeCat_4	Male Age < 45	1	-0.0999	0.0672	2.2068	0.1374
M_AgeCat_5	Male Age < 50	1	-0.019	0.054	0.1235	0.7253
M_AgeCat_6	Male Age < 55	1	-0.0702	0.0449	2.4465	0.1178
M_AgeCat_7	Male Age < 60	1	-0.0251	0.0406	0.382	0.5365
M_AgeCat_8	Male Age < 65	1	0.0199	0.0392	0.2577	0.6117
M_AgeCat_9	Male Age >=65	1	0.0415	0.0385	1.1626	0.2809
M_AgeCat_10	Male Age >=70	1	0.1496	0.0384	15.1728	<.0001
M_AgeCat_11	Male Age >=75	1	0.0126	0.041	0.095	0.7579
M_AgeCat_12	Male Age >=80	1	0.0425	0.0468	0.8265	0.3633
M_AgeCat_13	Male Age >=85	1	-0.0203	0.0592	0.1179	0.7314
M_AgeCat_14	Male Age >=90	1	-0.0302	0.0885	0.1162	0.7332
TRNSFER	Transfer from an acute care facility	1	0.5473	0.0256	458.5532	<.0001
ANEMDEF	Deficiency Anemias	1	0.0433	0.0202	4.5916	0.0321
BLDLOSS	Chronic blood loss anemia	1	0.2835	0.0576	24.2619	<.0001
CHF	Congestive heart failure	1	0.1629	0.0268	36.9937	<.0001
COAG	Coagulopathy	1	0.2552	0.0314	65.9633	<.0001
DEPRESS	Depression	1	-0.0501	0.0233	4.6303	0.0314
DM	Diabetes w/o chronic complications	1	-0.0735	0.0187	15.4495	<.0001
DMCX	Diabetes w/ chronic complications	1	-0.2396	0.0352	46.3521	<.0001
HTN_C	Hypertension	1	-0.0999	0.0157	40.3587	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
HYPOTHY	Hypothyroidism	1	-0.086	0.0219	15.4839	<.0001
IMMUNE	Immune disorders	1	0.4781	0.0257	346.0475	<.0001
LIVER	Liver disease	1	-0.2301	0.0453	25.8053	<.0001
LYMPH	Lymphoma	1	0.3314	0.0678	23.8586	<.0001
LYTES	Fluid and electrolyte disorders	1	0.2511	0.0197	161.7866	<.0001
METS	Metastatic cancer	1	0.7619	0.0281	734.7912	<.0001
OBESE	Obesity	1	0.4011	0.0184	475.6658	<.0001
PARA	Paralysis	1	0.444	0.0388	130.8578	<.0001
PSYCH	Psychoses	1	0.2745	0.0361	57.7961	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.7688	0.0363	449.7867	<.0001
RENFAIL	Renal failure	1	-0.0934	0.0241	15.0358	0.0001
TUMOR	Solid tumor w/out metastasis	1	0.4087	0.0397	106.2219	<.0001
WGHTLOSS	Weight loss	1	0.3446	0.0262	173.089	<.0001
MDC_1	MDC 1: Nervous System	1	1.9104	0.1107	297.9946	<.0001
MDC_3	MDC 3: Ear Nose Mouth And Throat	1	-0.2008	0.1503	1.7847	0.1816
MDC_4	MDC 4: Respiratory System	1	1.3647	0.1017	180.1598	<.0001
MDC_5	MDC 5: Circulatory System	1	0.042	0.089	0.2228	0.6369
MDC_6	MDC 6: Digestive System	1	1.8204	0.103	312.5223	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	1.8852	0.1403	180.5564	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	1.7883	0.1126	252.0905	<.0001
MDC_9	MDC 9: Skin Subcutaneous And Breast	1	1.0996	0.2145	26.2876	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	1.4537	0.1546	88.4421	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	1.4082	0.1508	87.2545	<.0001
MDC_13	MDC 13: Female Reproductive System	1	1.7835	0.3076	33.6082	<.0001
MDC_16	MDC 16: Blood and Immunological	1	1.6895	0.1896	79.3584	<.0001
MDC_18	MDC 18: Infectious and Parasitic	1	1.0348	0.113	83.7853	<.0001
MDC_20	MDC 20: Alcohol/Drug Disorders	1	1.9846	0.3935	25.4395	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	1.7382	0.1589	119.6375	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_22	MDC 22: Burns	1	1.7985	0.2396	56.3547	<.0001
MDC_23	MDC 23: Factors Influencing Health	1	2.286	0.7618	9.0044	0.0027
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	-1.4128	0.1199	138.8894	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	-1.9863	0.0925	460.7086	<.0001
mdrg_104	Spinal Procedures	1	-2.0815	0.1228	287.4419	<.0001
mdrg_105	Ventricular Shunt Procedures	1	-2.5311	0.1815	194.4008	<.0001
mdrg_106	Carotid Artery Stent Procedure	1	-4.3024	0.4156	107.1761	<.0001
mdrg_107	Extracranial Procedures	1	-4.2582	0.176	585.6085	<.0001
mdrg_108	Periph/Cranial Nerve And Other Nerv Syst Proc	1	-2.7828	0.1584	308.5026	<.0001
mdrg_301	Major Head And Neck Procedures	1	-1.7467	0.274	40.6414	<.0001
mdrg_302	Other Ear - Nose - Mouth And Throat O.R. Procedures	1	-1.7724	0.3052	33.7241	<.0001
mdrg_304	Mouth Procedures	1	-1.5318	0.4279	12.8166	0.0003
mdrg_305	Salivary Gland Procedures	1	-1.5531	0.7188	4.668	0.0307
mdrg_401	Major Chest Procedures	1	-1.9144	0.0839	520.8466	<.0001
mdrg_402	Other Resp System O.R. Procedures	1	-1.9141	0.0893	459.8231	<.0001
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-1.5733	0.1134	192.4152	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	-0.5151	0.0614	70.3536	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	-1.2567	0.1118	126.436	<.0001
mdrg_505	Other Cardiothoracic Procedures	1	-0.4567	0.1715	7.0951	0.0077
mdrg_506	Coronary Bypass W Ptca	1	-0.0689	0.1873	0.1355	0.7128
mdrg_507	Coronary Bypass W/O Ptca	1	-0.6242	0.0623	100.4127	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-0.5688	0.1015	31.4076	<.0001
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	-1.266	0.1575	64.6149	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-2.044	0.0759	724.3523	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-1.5119	0.1106	186.7136	<.0001
mdrg_514	Other Vascular Procedures	1	-0.9658	0.0692	194.7911	<.0001
mdrg_515	Upper Limb And Toe Amputation For Circ System Disorders	1	-1.2757	0.2463	26.8216	<.0001
mdrg_516	Cardiac Pacemaker Device Replacement	1	-2.1201	0.579	13.4081	0.0003
mdrg_517	Cardiac Pacemaker Revision Except Device Replacement	1	-0.8212	0.19	18.6864	<.0001
mdrg_519	Other Circulatory System O.R. Procedures	1	-1.3905	0.1381	101.3325	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-1.7726	0.0785	510.2348	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	-1.8361	0.0689	710.2231	<.0001
mdrg_603	Rectal Resection	1	-2.4435	0.1372	317.0811	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	-1.9897	0.0854	542.909	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	-3.059	0.1547	390.773	<.0001
mdrg_606	Appendectomy W/O Complicated Principal Diag	1	-4.4253	0.2072	456.1445	<.0001
mdrg_607	Minor Small And Large Bowel Procedures	1	-2.7225	0.1614	284.5475	<.0001
mdrg_608	Anal And Stomal Procedures	1	-3.3914	0.1885	323.5133	<.0001
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-2.7486	0.1586	300.1484	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-2.4	0.0995	581.2089	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-2.0576	0.1008	416.9	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-1.8033	0.133	183.8567	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-2.0029	0.2167	85.4577	<.0001
mdrg_703	Cholecystectomy W C.D.E.	1	-2.8563	0.4249	45.1918	<.0001
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-2.6073	0.1669	243.9384	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-3.7867	0.1378	754.5709	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	-2.3978	0.2527	90.0707	<.0001
mdrg_707	Other Hepatobiliary Or Pancreas O.R. Procedures	1	-2.2521	0.2318	94.3554	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	-1.5854	0.1108	204.5498	<.0001
mdrg_802	Spinal Fus Exc Cerv W Spinal Curv/Malig/Infec Or Ext Fus	1	-1.0963	0.1099	99.4442	<.0001
mdrg_803	Spinal Fusion Except Cervical	1	-2.3818	0.0912	681.434	<.0001
mdrg_804	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	1	-1.4945	0.1062	198.0976	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	-2.0345	0.1108	337.0894	<.0001
mdrg_806	Revision Of Hip Or Knee Replacement	1	-2.2124	0.0986	503.2772	<.0001
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-2.3628	0.0818	833.7899	<.0001
mdrg_808	Cervical Spinal Fusion	1	-3.3878	0.119	810.4276	<.0001
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	-2.353	0.164	205.8147	<.0001
mdrg_810	Biopsies Of Musculoskeletal System And Connective Tissue	1	-2.2589	0.1263	319.8494	<.0001
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-1.9138	0.0852	504.8846	<.0001
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-3.18	0.1313	586.4603	<.0001
mdrg_813	Knee Procedures W Pdx Of Infection	1	-2.5336	0.1941	170.3685	<.0001
mdrg_814	Knee Procedures W/O Pdx Of Infection	1	-2.6376	0.1706	238.9785	<.0001
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	-2.9543	0.1065	768.7876	<.0001
mdrg_816	Lower Extrem And Humer Proc Except Hip -Foot -Femur	1	-2.6129	0.0976	716.5527	<.0001
mdrg_817	Local Excision And Removal Int Fix Devices Exc Hip And Femur	1	-3.1052	0.1807	295.1783	<.0001
mdrg_818	Local Excision And Removal Int Fix Devices Of Hip And Femur	1	-2.1898	0.2707	65.4123	<.0001
mdrg_819	Soft Tissue Procedures	1	-2.6987	0.1429	356.6328	<.0001
mdrg_820	Foot Procedures	1	-3.1072	0.2277	186.1473	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_821	Major Thumb Or Joint Procedures	1	-3.5208	0.712	24.4547	<.0001
mdrg_822	Major Shoulder Or Elbow Joint Procedures	1	-2.6182	0.3868	45.8241	<.0001
mdrg_824	Shoulder -Elbow Or Forearm Proc -Exc Major Joint Proc	1	-3.1623	0.194	265.7397	<.0001
mdrg_825	Hand Or Wrist Proc - Except Major Thumb Or Joint Proc	1	-3.9944	0.4161	92.142	<.0001
mdrg_826	Other Musculoskelet Sys And Conn Tiss O.R. Proc	1	-2.3667	0.1206	385.245	<.0001
mdrg_901	Skin Debridement Or Skin Graft For Skin Ulcer Or Cellulitis	1	-2.3928	0.2385	100.6483	<.0001
mdrg_902	Skin Graft Exc For Skin Ulcer Or Cellulitis	1	-2.1006	0.2887	52.9523	<.0001
mdrg_903	Other Skin - Subcut Tiss And Breast Proc	1	-2.8247	0.2337	146.1481	<.0001
mdrg_904	Mastectomy For Malignancy	1	-3.0452	0.3264	87.0548	<.0001
mdrg_905	Breast Biopsy - Local Excision And Other Breast Procedures	1	-2.7635	0.3887	50.5515	<.0001
mdrg_1001	Adrenal And Pituitary Procedures	1	-1.6792	0.2081	65.0911	<.0001
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit - And Metabol Dis	1	-2.9375	0.2195	179.116	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-3.0847	0.1744	312.7524	<.0001
mdrg_1004	Skin Grafts And Wound Debrid For Endoc - Nutrit And Metab Dis	1	-2.7322	0.2833	92.9772	<.0001
mdrg_1005	Thyroid - Parathyroid And Thyroglossal Procedures	1	-3.628	0.26	194.6954	<.0001
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	-2.1458	0.1885	129.5366	<.0001
mdrg_1101	Kidney Transplant	1	-2.4828	0.2151	133.2693	<.0001
mdrg_1102	Major Bladder Procedures	1	-0.9966	0.1537	42.0323	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	-1.5211	0.1463	108.0847	<.0001
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-2.0511	0.1521	181.7635	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1105	Minor Bladder Procedures	1	-2.1271	0.2582	67.8751	<.0001
mdrg_1106	Prostatectomy	1	-2.6624	0.3418	60.6666	<.0001
mdrg_1107	Transurethral Procedures	1	-2.7192	0.1659	268.5297	<.0001
mdrg_1108	Urethral Procedures	1	-2.4808	0.4658	28.3651	<.0001
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	-2.2756	0.1592	204.176	<.0001
mdrg_1201	Major Male Pelvic Procedures	1	-1.3699	0.1445	89.8526	<.0001
mdrg_1202	Penis Procedures	1	-0.9168	0.3631	6.3734	0.0116
mdrg_1203	Testes Procedures	1	-1.1984	0.4168	8.2658	0.004
mdrg_1204	Transurethral Prostatectomy	1	-1.4313	0.1972	52.6832	<.0001
mdrg_1301	Pelvic Evisceration - Rad Hysterectomy And Rad Vulvectomy	1	-1.6455	0.3224	26.0548	<.0001
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-0.8428	0.3074	7.5181	0.0061
mdrg_1303	Uterine -Adnexa Proc For Non-Ovarian/Adnexal Malig	1	-1.7077	0.3104	30.2717	<.0001
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-3.1392	0.3052	105.8276	<.0001
mdrg_1305	Dandc - Conization - Laparoscopy And Tubal Interruption	1	-2.3608	0.3489	45.785	<.0001
mdrg_1306	Vagina - Cervix And Vulva Procedures	1	-3.1718	0.3883	66.7083	<.0001
mdrg_1307	Female Reproductive System Reconstructive Procedures	1	-4.3552	0.537	65.7719	<.0001
mdrg_1308	Other Female Reproductive System O.R. Procedures	1	-1.4529	0.3334	18.9902	<.0001
mdrg_1601	Splenectomy	1	-1.2711	0.2372	28.7162	<.0001
mdrg_1602	Other O.R. Proc Of The Blood And Blood Forming Organs	1	-2.2047	0.2873	58.9004	<.0001
mdrg_1707	Lymphoma And Leukemia W Major O.R. Procedure	1	-0.3357	0.1597	4.4175	0.0356
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	0.0467	0.1314	0.1265	0.7221

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-1.0521	0.0848	154.0834	<.0001
mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-1.3277	0.1086	149.4067	<.0001
mdrg_2101	Wound Debridements For Injuries	1	-2.1358	0.2265	88.9	<.0001
mdrg_2102	Skin Grafts For Injuries	1	-1.9884	0.2243	78.5751	<.0001
mdrg_2103	Hand Procedures For Injuries	1	-3.5502	0.5189	46.8167	<.0001
mdrg_2104	Other O.R. Procedures For Injuries	1	-2.09	0.1522	188.5246	<.0001
mdrg_2201	Full Thickness Burn W Skin Graft Or Inhal Inj	1	-2.1205	0.3019	49.3284	<.0001
mdrg_2210	Extensive Burns Or Full Thickness Burns W Mv >96 Hrs W Skin Graft	1	-0.7933	0.3455	5.2722	0.0217
mdrg_2301	O.R. Proc W Diagnoses Of Other Contact W Health Services	1	-2.967	0.774	14.6951	0.0001
mdrg_2407	Limb Reattachment - Hip And Femur Proc For Multiple Significant Trauma	1	1.4192	0.1057	180.1632	<.0001
mdrg_2408	Other O.R. Procedures For Multiple Significant Trauma	1	1.2675	0.0998	161.17	<.0001
mdrg_7701	Heart Transplant Or Implant Of Heart Assist System	1	0.5785	0.1319	19.2333	<.0001
mdrg_7702	Liver Transplant	1	-2.037	0.2035	100.1809	<.0001
mdrg_7703	Lung Transplant	1	-0.6461	0.1994	10.4968	0.0012
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-2.1588	0.0616	1227.57	<.0001

c-statistic=0.748

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

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

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-4.6888	0.0889	2780.957	<.0001
F_AgeCat_1	Female Age < 30	1	0.1187	0.1615	0.5406	0.4622
F_AgeCat_2	Female Age < 35	1	-0.2716	0.153	3.1513	0.0759
F_AgeCat_3	Female Age < 40	1	-0.1052	0.117	0.8078	0.3688
F_AgeCat_4	Female Age < 45	1	-0.0974	0.0958	1.0332	0.3094
F_AgeCat_5	Female Age < 50	1	-0.1336	0.0804	2.758	0.0968
F_AgeCat_6	Female Age < 55	1	-0.2202	0.0669	10.8343	0.001
F_AgeCat_7	Female Age < 60	1	-0.1208	0.0587	4.2296	0.0397
F_AgeCat_8	Female Age < 65	1	-0.1485	0.0529	7.8926	0.005
F_AgeCat_10	Female Age >=70	1	0.0247	0.0515	0.2308	0.6309
F_AgeCat_11	Female Age >=75	1	0.2162	0.0542	15.9156	<.0001
F_AgeCat_12	Female Age >=80	1	0.0041	0.0611	0.0045	0.9468
F_AgeCat_13	Female Age >=85	1	-0.1371	0.0844	2.6401	0.1042
F_AgeCat_14	Female Age >=90	1	0.1086	0.1361	0.6367	0.4249
M_AgeCat_1	Male Age < 30	1	0.0481	0.161	0.0892	0.7652
M_AgeCat_2	Male Age < 35	1	-0.1308	0.1674	0.6104	0.4346
M_AgeCat_3	Male Age < 40	1	-0.1944	0.1342	2.0977	0.1475
M_AgeCat_4	Male Age < 45	1	-0.0926	0.1003	0.8507	0.3564
M_AgeCat_5	Male Age < 50	1	-0.0654	0.0782	0.7007	0.4025
M_AgeCat_6	Male Age < 55	1	-0.0927	0.0627	2.1894	0.139
M_AgeCat_7	Male Age < 60	1	-0.1694	0.0535	10.0259	0.0015
M_AgeCat_8	Male Age < 65	1	0.0117	0.0503	0.0545	0.8153
M_AgeCat_9	Male Age >=65	1	0.1503	0.0474	10.0316	0.0015
M_AgeCat_10	Male Age >=70	1	0.1015	0.0444	5.2318	0.0222
M_AgeCat_11	Male Age >=75	1	0.1838	0.0458	16.0892	<.0001
M_AgeCat_12	Male Age >=80	1	0.1008	0.0513	3.864	0.0493

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
M_AgeCat_13	Male Age >=85	1	-0.112	0.0728	2.368	0.1238
M_AgeCat_14	Male Age >=90	1	0.0533	0.1289	0.1711	0.6791
TRNSFER	Transfer from an acute care facility	1	0.4336	0.0603	51.7369	<.0001
ALCOHOL	Alcohol abuse	1	0.5224	0.0511	104.3151	<.0001
ANEMDEF	Deficiency Anemias	1	-0.1474	0.0288	26.1354	<.0001
CHF	Congestive heart failure	1	0.8296	0.0349	564.3021	<.0001
CHRNLUNG	Chronic pulmonary disease	1	0.1116	0.0232	23.1193	<.0001
COAG	Coagulopathy	1	0.2874	0.0451	40.6872	<.0001
DEPRESS	Depression	1	-0.0962	0.0328	8.5817	0.0034
DM	Diabetes w/o chronic complications	1	-0.0818	0.0246	11.0985	0.0009
DRUG	Drug abuse	1	0.2483	0.0797	9.7032	0.0018
HTN_C	Hypertension	1	-0.4111	0.0205	402.3289	<.0001
HYPOTHY	Hypothyroidism	1	-0.0966	0.0297	10.5571	0.0012
IMMUNE	Immune disorders	1	1.5228	0.0288	2803.009	<.0001
LIVER	Liver disease	1	0.1379	0.0497	7.6908	0.0056
LYMPH	Lymphoma	1	0.2508	0.0953	6.9211	0.0085
LYTES	Fluid and electrolyte disorders	1	0.4529	0.0325	194.8124	<.0001
METS	Metastatic cancer	1	0.365	0.0345	112.0868	<.0001
NEURO	Neurological disease	1	0.3046	0.0411	54.8399	<.0001
OBESE	Obesity	1	0.3205	0.0253	160.9815	<.0001
PARA	Paralysis	1	0.6282	0.0672	87.2999	<.0001
PSYCH	Psychoses	1	0.4652	0.0512	82.5771	<.0001
PULMCIRC	Pulmonary circulation disease	1	0.5353	0.0567	89.2587	<.0001
RENLFAIL	Renal failure	1	0.3373	0.0286	139.2367	<.0001
WGHTLOSS	Weight loss	1	0.7186	0.0336	456.7128	<.0001
MDC_1	MDC 1: Nervous System	1	2.1867	0.1442	229.8543	<.0001
MDC_4	MDC 4: Respiratory System	1	2.552	0.1139	502.1058	<.0001
MDC_5	MDC 5: Circulatory System	1	0.5887	0.0866	46.2074	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
MDC_6	MDC 6: Digestive System	1	3.3651	0.1	1133.189	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	3.6736	0.1708	462.343	<.0001
MDC_8	MDC 8: Musculoskeletal And Connective	1	0.1705	0.1189	2.0554	0.1517
MDC_9	MDC 9: Skin Subcutaneous And Breast	1	1.732	0.4058	18.2125	<.0001
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	2.3744	0.1533	239.9548	<.0001
MDC_11	MDC 11: Kidney And Urinary Tract	1	1.3298	0.1439	85.4262	<.0001
MDC_13	MDC 13: Female Reproductive System	1	4.1379	0.2397	297.8953	<.0001
MDC_16	MDC 16: Blood and Immunological	1	2.5779	0.2627	96.2891	<.0001
MDC_17	MDC 17: Myeloproliferative DDs	1	2.819	0.194	211.1971	<.0001
MDC_21	MDC 21: Injuries Poison And Toxic	1	1.7978	0.2286	61.838	<.0001
MDC_22	MDC 22: Burns	1	2.5127	0.4404	32.5562	<.0001
MDC_23	MDC 23: Factors Influencing Health	1	3.7639	0.7628	24.3476	<.0001
mdrg_101	Intracranial Vascular Procedures W Pdx Hemorrhage	1	-1.3135	0.3615	13.1999	0.0003
mdrg_102	Cranio W Major Dev Impl/Acute Complex Cns Pdx	1	-2.5244	0.2981	71.6973	<.0001
mdrg_103	Craniotomy And Endovascular Intracranial Procedures	1	-3.3851	0.1532	487.9247	<.0001
mdrg_104	Spinal Procedures	1	-3.7305	0.2495	223.5994	<.0001
mdrg_105	Ventricular Shunt Procedures	1	-4.2415	0.3742	128.4663	<.0001
mdrg_106	Carotid Artery Stent Procedure	1	-4.1741	0.3253	164.6179	<.0001
mdrg_107	Extracranial Procedures	1	-4.7249	0.1934	597.0176	<.0001
mdrg_108	Periph/Cranial Nerve And Other Nerv Syst Proc	1	-3.5494	0.26	186.38	<.0001
mdrg_301	Major Head And Neck Procedures	1	-1.758	0.2558	47.2196	<.0001
mdrg_302	Other Ear - Nose - Mouth And Throat O.R. Procedures	1	-1.4693	0.2709	29.4165	<.0001
mdrg_304	Mouth Procedures	1	-1.8997	0.7134	7.0903	0.0078
mdrg_305	Salivary Gland Procedures	1	-2.0315	0.7125	8.1298	0.0044
mdrg_401	Major Chest Procedures	1	-2.9407	0.0963	932.6837	<.0001
mdrg_402	Other Resp System O.R. Procedures	1	-3.6727	0.155	561.634	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_502	Perc Cardiovasc Proc W Non-Drug-Eluting Stent	1	-2.1727	0.2327	87.1962	<.0001
mdrg_503	Cardiac Valve And Oth Maj Cardiothoracic Proc	1	-0.5783	0.0487	140.9607	<.0001
mdrg_504	Cardiac Defibrillator Implant	1	-2.371	0.1922	152.1932	<.0001
mdrg_505	Other Cardiothoracic Procedures	1	-0.8483	0.1667	25.9001	<.0001
mdrg_506	Coronary Bypass W Ptca	1	-0.2584	0.2842	0.8266	0.3633
mdrg_507	Coronary Bypass W/O Ptca	1	-1.1492	0.0662	301.1228	<.0001
mdrg_509	Amputation For Circ Sys Disorders Exc Upper Limb And Toe	1	-1.5936	0.115	191.9782	<.0001
mdrg_510	Permanent Cardiac Pacemaker Implant And Procedures	1	-3.1412	0.4101	58.6553	<.0001
mdrg_511	Perc Cardiovasc Proc W Drug-Eluting Stent	1	-2.9881	0.1564	364.8672	<.0001
mdrg_513	Perc Cardiovasc Proc W/O Coronary Artery Stent	1	-2.335	0.1618	208.2561	<.0001
mdrg_514	Other Vascular Procedures	1	-2.1072	0.0843	625.0269	<.0001
mdrg_515	Upper Limb And Toe Amputation For Circ System Disorders	1	-3.4929	0.5799	36.2767	<.0001
mdrg_517	Cardiac Pacemaker Revision Except Device Replacement	1	-1.7882	0.411	18.9317	<.0001
mdrg_519	Other Circulatory System O.R. Procedures	1	-2.4562	0.1805	185.2688	<.0001
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-2.8405	0.0714	1584.705	<.0001
mdrg_602	Major Small And Large Bowel Procedures	1	-2.9122	0.065	2009.006	<.0001
mdrg_603	Rectal Resection	1	-3.5757	0.1115	1029.127	<.0001
mdrg_604	Peritoneal Adhesiolysis	1	-3.5758	0.0991	1301.228	<.0001
mdrg_607	Minor Small And Large Bowel Procedures	1	-4.1299	0.1364	917.1808	<.0001
mdrg_608	Anal And Stomal Procedures	1	-4.1319	0.2188	356.745	<.0001
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-5.0914	0.2962	295.3589	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-4.3471	0.114	1453.815	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-3.9215	0.1547	642.2098	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-2.9327	0.158	344.6298	<.0001
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or	1	-3.6019	0.2609	190.6347	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
	W/O C.D.E.					
mdrg_703	Cholecystectomy W C.D.E.	1	-4.4963	0.7325	37.6824	<.0001
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-3.9685	0.2301	297.3576	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-4.3567	0.1984	482.0176	<.0001
mdrg_706	Hepatobiliary Diagnostic Procedures	1	-4.0528	0.3107	170.1329	<.0001
mdrg_707	Other Hepatobiliary Or Pancreas O.R. Procedures	1	-3.6802	0.3468	112.599	<.0001
mdrg_801	Combined Anterior/Posterior Spinal Fusion	1	-0.859	0.1373	39.1586	<.0001
mdrg_802	Spinal Fus Exc Cerv W Spinal Curv/Malig/Infec Or Ext Fus	1	-0.6179	0.1579	15.3024	<.0001
mdrg_803	Spinal Fusion Except Cervical	1	-1.6355	0.1064	236.1132	<.0001
mdrg_804	Bilateral Or Multiple Major Joint Procs Of Lower Extremity	1	-2.0844	0.2003	108.2632	<.0001
mdrg_805	Wnd Debrid And Skn Grft Exc Hand - For Musculo-Conn Tiss Dis	1	-1.0518	0.2278	21.3156	<.0001
mdrg_806	Revision Of Hip Or Knee Replacement	1	-2.2227	0.1494	221.47	<.0001
mdrg_807	Major Joint Replacement Or Reattachment Of Lower Extremity	1	-2.5964	0.0977	706.8131	<.0001
mdrg_808	Cervical Spinal Fusion	1	-2.5899	0.148	306.3792	<.0001
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	-1.2391	0.2545	23.6973	<.0001
mdrg_810	Biopsies Of Musculoskeletal System And Connective Tissue	1	-2.0726	0.3898	28.2759	<.0001
mdrg_811	Hip And Femur Procedures Except Major Joint	1	-1.6705	0.1788	87.2658	<.0001
mdrg_812	Major Joint/Limb Reattachment Procedure Of Upper Extremities	1	-2.7319	0.1795	231.6288	<.0001
mdrg_814	Knee Procedures W/O Pdx Of Infection	1	-3.2348	0.4559	50.3348	<.0001
mdrg_815	Back And Neck Proc Exc Spinal Fusion Or Disc Device/Neurostim	1	-2.4184	0.1408	294.809	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_816	Lower Extrem And Humer Proc Except Hip -Foot - Femur	1	-2.6119	0.2118	152.0853	<.0001
mdrg_817	Local Excision And Removal Int Fix Devices Exc Hip And Femur	1	-2.3404	0.3286	50.739	<.0001
mdrg_819	Soft Tissue Procedures	1	-1.7844	0.2358	57.2739	<.0001
mdrg_822	Major Shoulder Or Elbow Joint Procedures	1	-1.442	0.5852	6.072	0.0137
mdrg_826	Other Musculoskelet Sys And Conn Tiss O.R. Proc	1	-1.6209	0.2062	61.7622	<.0001
mdrg_901	Skin Debridement Or Skin Graft For Skin Ulcer Or Cellulitis	1	-3.0137	0.5524	29.7633	<.0001
mdrg_902	Skin Graft Exc For Skin Ulcer Or Cellulitis	1	-3.329	0.4705	50.053	<.0001
mdrg_903	Other Skin - Subcut Tiss And Breast Proc	1	-4.2906	0.4628	85.928	<.0001
mdrg_904	Mastectomy For Malignancy	1	-4.205	0.4921	73.0025	<.0001
mdrg_905	Breast Biopsy - Local Excision And Other Breast Procedures	1	-4.0324	0.5993	45.2724	<.0001
mdrg_1001	Adrenal And Pituitary Procedures	1	-3.4847	0.2598	179.853	<.0001
mdrg_1002	Amputat Of Lower Limb For Endocrine -Nutrit - And Metabol Dis	1	-5.7149	0.5929	92.9001	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-3.9015	0.1634	570.0223	<.0001
mdrg_1004	Skin Grafts And Wound Debrid For Endoc - Nutrit And Metab Dis	1	-4.5144	0.5949	57.5766	<.0001
mdrg_1005	Thyroid - Parathyroid And Thyroglossal Procedures	1	-4.9069	0.27	330.3011	<.0001
mdrg_1006	Other Endocrine - Nutrit And Metab O.R. Proc	1	-3.6835	0.2572	205.1091	<.0001
mdrg_1101	Kidney Transplant	1	-3.8616	0.266	210.815	<.0001
mdrg_1102	Major Bladder Procedures	1	-0.6385	0.1354	22.2533	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	-1.8118	0.1364	176.4441	<.0001
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-1.6744	0.1397	143.6425	<.0001
mdrg_1105	Minor Bladder Procedures	1	-1.8644	0.261	51.0321	<.0001
mdrg_1106	Prostatectomy	1	-2.1172	0.3266	42.0182	<.0001
mdrg_1107	Transurethral Procedures	1	-1.4758	0.1592	85.8893	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_1109	Other Kidney And Urinary Tract Procedures	1	-3.514	0.1898	342.8461	<.0001
mdrg_1201	Major Male Pelvic Procedures	1	-2.0432	0.1607	161.7044	<.0001
mdrg_1202	Penis Procedures	1	-2.1818	0.7129	9.3654	0.0022
mdrg_1204	Transurethral Prostatectomy	1	-1.1	0.1529	51.7645	<.0001
mdrg_1301	Pelvic Evisceration - Rad Hysterectomy And Rad Vulvectomy	1	-4.43	0.2694	270.4689	<.0001
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-4.0548	0.2498	263.3958	<.0001
mdrg_1303	Uterine -Adnexa Proc For Non-Ovarian/Adnexal Malig	1	-4.8336	0.2543	361.2196	<.0001
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-5.8701	0.24	598.1335	<.0001
mdrg_1305	Dandc - Conization - Laparoscopy And Tubal Interruption	1	-4.8226	0.3784	162.4236	<.0001
mdrg_1306	Vagina - Cervix And Vulva Procedures	1	-6.0436	0.4029	224.9752	<.0001
mdrg_1307	Female Reproductive System Reconstructive Procedures	1	-6.4123	0.4029	253.3307	<.0001
mdrg_1308	Other Female Reproductive System O.R. Procedures	1	-4.1632	0.3089	181.6655	<.0001
mdrg_1601	Splenectomy	1	-2.9443	0.3509	70.3952	<.0001
mdrg_1602	Other O.R. Proc Of The Blood And Blood Forming Organs	1	-4.3333	0.561	59.6639	<.0001
mdrg_1707	Lymphoma And Leukemia W Major O.R. Procedure	1	-3.0966	0.2223	193.9719	<.0001
mdrg_1708	Lymphoma And Non-Acute Leukemia W Other O.R. Proc	1	-3.6014	0.2878	156.5377	<.0001
mdrg_1709	Myeloprolif Disord Or Poorly Diff Neopl W Maj O.R. Proc	1	-2.1888	0.204	115.111	<.0001
mdrg_1710	Myeloprolif Disord Or Poorly Diff Neopl W Other O.R. Proc	1	-2.3157	0.2405	92.7443	<.0001
mdrg_2101	Wound Debridements For Injuries	1	-2.9988	0.3984	56.6522	<.0001
mdrg_2102	Skin Grafts For Injuries	1	-2.6509	0.3253	66.4046	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_2104	Other O.R. Procedures For Injuries	1	-2.2794	0.2354	93.786	<.0001
mdrg_2201	Full Thickness Burn W Skin Graft Or Inhal Inj	1	-3.6634	0.7231	25.6621	<.0001
mdrg_2301	O.R. Proc W Diagnoses Of Other Contact W Health Services	1	-5.2051	0.7812	44.3919	<.0001
mdrg_7701	Heart Transplant Or Implant Of Heart Assist System	1	0.7569	0.1229	37.9512	<.0001
mdrg_7702	Liver Transplant	1	-3.9753	0.2307	296.9652	<.0001
mdrg_7703	Lung Transplant	1	-3.2674	0.5157	40.1502	<.0001
mdrg_7705	Allogeneic Or Autologous Bone Marrow Transplant	1	-0.3644	0.2402	2.3023	0.1292
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-3.136	0.0927	1144.374	<.0001

c-statistic=0.866

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

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	Intercept	1	-6.7133	0.1474	2073.124	<.0001
F_AgeCat_1	Female Age < 30	1	0.6639	0.6014	1.2188	0.2696
F_AgeCat_2	Female Age < 35	1	-1.2217	0.548	4.9702	0.0258
F_AgeCat_3	Female Age < 40	1	0.2396	0.303	0.625	0.4292
F_AgeCat_4	Female Age < 45	1	-0.1015	0.2686	0.1428	0.7055
F_AgeCat_5	Female Age < 50	1	-0.0854	0.2342	0.1329	0.7155
F_AgeCat_6	Female Age < 55	1	-0.1359	0.2091	0.4226	0.5156
F_AgeCat_7	Female Age < 60	1	0.1288	0.2036	0.4001	0.527
F_AgeCat_8	Female Age < 65	1	-0.1323	0.1992	0.4407	0.5068
F_AgeCat_10	Female Age >=70	1	0.1895	0.1877	1.0195	0.3126
F_AgeCat_11	Female Age >=75	1	0.0984	0.1895	0.2698	0.6035
F_AgeCat_12	Female Age >=80	1	-0.3382	0.2258	2.2436	0.1342
F_AgeCat_13	Female Age >=85	1	-0.1686	0.2693	0.3921	0.5312
M_AgeCat_1	Male Age < 30	1	-0.0476	0.2796	0.029	0.8647
M_AgeCat_2	Male Age < 35	1	-0.1919	0.2934	0.4278	0.5131
M_AgeCat_3	Male Age < 40	1	0.0536	0.251	0.0455	0.831
M_AgeCat_4	Male Age < 45	1	-0.1181	0.2089	0.3193	0.572
M_AgeCat_5	Male Age < 50	1	0.2394	0.1729	1.9169	0.1662
M_AgeCat_6	Male Age < 55	1	-0.0756	0.1535	0.2426	0.6224
M_AgeCat_7	Male Age < 60	1	-0.2464	0.133	3.4337	0.0639
M_AgeCat_8	Male Age < 65	1	1.0384	0.1605	41.8545	<.0001
M_AgeCat_9	Male Age >=65	1	1.065	0.1583	45.2824	<.0001
M_AgeCat_10	Male Age >=70	1	-0.1874	0.1297	2.0862	0.1486
M_AgeCat_11	Male Age >=75	1	0.2282	0.1431	2.5423	0.1108
M_AgeCat_12	Male Age >=80	1	-0.0805	0.162	0.2468	0.6194
M_AgeCat_13	Male Age >=85	1	0.0702	0.1886	0.1384	0.7099

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
TRNSFER	Transfer from an acute care facility	1	0.3307	0.1177	7.9002	0.0049
ALCOHOL	Alcohol abuse	1	0.4269	0.1107	14.8655	0.0001
ARTH	Rheumatoid arthritis/collagen vas	1	0.4145	0.1549	7.1661	0.0074
CHF	Congestive heart failure	1	0.5385	0.0921	34.1566	<.0001
CHRNUNG	Chronic pulmonary disease	1	0.5608	0.0624	80.8883	<.0001
DM	Diabetes w/o chronic complications	1	-0.3486	0.0767	20.6693	<.0001
DMCX	Diabetes w/ chronic complications	1	-0.4904	0.1904	6.6312	0.01
LIVER	Liver disease	1	0.3971	0.1225	10.504	0.0012
LYTES	Fluid and electrolyte disorders	1	0.4567	0.0686	44.2997	<.0001
OBESE	Obesity	1	0.5834	0.0674	75.0124	<.0001
PSYCH	Psychoses	1	0.432	0.1279	11.4132	0.0007
WGHTLOSS	Weight loss	1	0.6326	0.0825	58.8547	<.0001
mdrg_508	Major Shoulder Or Elbow Joint Procedures W/O Cc/Mcc	1	-0.4799	0.18	7.1116	0.0077
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	-0.3441	0.1179	8.5145	0.0035
mdrg_602	Major Small And Large Bowel Procedures	1	-0.2378	0.0715	11.0689	0.0009
mdrg_603	Rectal Resection	1	-0.0673	0.2498	0.0725	0.7877
mdrg_604	Peritoneal Adhesiolysis	1	-0.8834	0.1529	33.3886	<.0001
mdrg_605	Appendectomy W Complicated Principal Diag	1	-0.7939	0.2951	7.2393	0.0071
mdrg_606	Appendectomy W/O Complicated Principal Diag	1	-1.7887	0.581	9.4768	0.0021
mdrg_607	Minor Small And Large Bowel Procedures	1	-1.0127	0.2494	16.4813	<.0001
mdrg_608	Anal And Stomal Procedures	1	-1.7321	0.7097	5.9558	0.0147
mdrg_609	Inguinal And Femoral Hernia Procedures	1	-2.7056	0.581	21.6879	<.0001
mdrg_610	Hernia Procedures Except Inguinal And Femoral	1	-2.2696	0.3219	49.712	<.0001
mdrg_611	Other Digestive System O.R. Procedures	1	-0.7852	0.2649	8.7854	0.003
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-1.0385	0.1967	27.8656	<.0001

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
mdrg_702	Biliary Tract Proc Except Only Cholecyst W Or W/O C.D.E.	1	-1.8	0.7099	6.4296	0.0112
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-1.719	0.2947	34.0314	<.0001
mdrg_705	Laparoscopic Cholecystectomy W/O C.D.E.	1	-1.6092	0.5038	10.2021	0.0014
mdrg_1003	O.R. Procedures For Obesity	1	-3.0747	0.5825	27.8624	<.0001
mdrg_1103	Kidney And Ureter Procedures For Neoplasm	1	-1.1114	0.226	24.1887	<.0001
mdrg_1104	Kidney And Ureter Procedures For Non-Neoplasm	1	-1.1222	0.3587	9.7864	0.0018
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-0.3206	0.298	1.1575	0.282
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-1.263	0.1913	43.5745	<.0001
mdrg_1601	Splenectomy	1	-0.8708	0.504	2.985	0.084
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-0.0021	0.1229	0.0003	0.9861
mdrg_2104	Other O.R. Procedures For Injuries	1	0.039	0.189	0.0426	0.8365
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-0.5652	0.2132	7.0275	0.008

c-statistic=0.773

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Table 13. Risk Adjustment Coefficients for PSI 15 Unrecognized Abdominopelvic Accidental Puncture/Laceration Rate

PARAMETER	LABEL	DF	ESTIMATE	STANDARD ERROR	WALD CHI-SQUARE	PR > CHI-SQUARE
Intercept	Intercept	1	-7.1956	0.1564	2115.959	<.0001
F_AgeCat_1	Female Age < 30	1	0.0896	0.4213	0.0452	0.8317
F_AgeCat_2	Female Age < 35	1	-0.2073	0.399	0.27	0.6033
F_AgeCat_3	Female Age < 40	1	0.4909	0.3545	1.9169	0.1662
F_AgeCat_4	Female Age < 45	1	-0.4729	0.3202	2.1808	0.1397
F_AgeCat_5	Female Age < 50	1	-0.375	0.2445	2.3513	0.1252
F_AgeCat_6	Female Age < 55	1	0.1231	0.2237	0.3027	0.5822
F_AgeCat_7	Female Age < 60	1	-0.0407	0.227	0.0322	0.8576
F_AgeCat_8	Female Age < 65	1	-0.0689	0.2177	0.1003	0.7515
F_AgeCat_10	Female Age >=70	1	0.1271	0.2137	0.354	0.5519
F_AgeCat_11	Female Age >=75	1	-0.0985	0.2339	0.1774	0.6736
F_AgeCat_12	Female Age >=80	1	0.4545	0.2376	3.6583	0.0558
F_AgeCat_13	Female Age >=85	1	-0.7401	0.2843	6.7776	0.0092
M_AgeCat_1	Male Age < 30	1	-1.6785	0.3627	21.4117	<.0001
M_AgeCat_2	Male Age < 35	1	1.2168	0.3628	11.2485	0.0008
M_AgeCat_3	Male Age < 40	1	-0.5382	0.377	2.0379	0.1534
M_AgeCat_4	Male Age < 45	1	0.8307	0.3297	6.3478	0.0118
M_AgeCat_5	Male Age < 50	1	-0.104	0.327	0.1011	0.7505
M_AgeCat_6	Male Age < 55	1	-0.4145	0.2489	2.774	0.0958
M_AgeCat_7	Male Age < 60	1	0.4334	0.2305	3.5357	0.0601
M_AgeCat_8	Male Age < 65	1	-0.4259	0.2323	3.3606	0.0668
M_AgeCat_9	Male Age >=65	1	-0.0774	0.2097	0.1362	0.7121
M_AgeCat_10	Male Age >=70	1	0.3681	0.2008	3.3619	0.0667
M_AgeCat_11	Male Age >=75	1	-0.225	0.2265	0.9869	0.3205
M_AgeCat_12	Male Age >=80	1	-0.0864	0.2873	0.0905	0.7635
M_AgeCat_13	Male Age >=85	1	0.4654	0.3064	2.3069	0.1288
TRNSFER	Transfer from an acute care facility	1	0.2729	0.1562	3.0512	0.0807

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DM	Diabetes w/o chronic complications	1	-0.3602	0.1102	10.6847	0.0011
IMMUNE	Immune disorders	1	0.6549	0.1072	37.3005	<.0001
METS	Metastatic cancer	1	-0.4467	0.1759	6.4453	0.0111
PARA	Paralysis	1	1.1226	0.1705	43.3529	<.0001
ULCER	Peptic ulcer Disease x bleeding	1	1.4077	0.5101	7.6145	0.0058
WGHTLOSS	Weight loss	1	0.4823	0.1136	18.0286	<.0001
MDC_4	MDC 4: Respiratory System	1	0.9733	0.3796	6.5744	0.0103
MDC_5	MDC 5: Circulatory System	1	1.0639	0.1411	56.8225	<.0001
MDC_7	MDC 7: Hepatobiliary System And Pancreas	1	0.6821	0.1947	12.2733	0.0005
MDC_10	MDC 10: Endocrine Nutritional And Metabolic	1	1.4708	0.3643	16.3032	<.0001
MDC_13	MDC 13: Female Reproductive System	1	0.2856	0.3247	0.7737	0.3791
MDC_18	MDC 18: Infectious and Parasitic	1	2.6232	0.1883	193.9745	<.0001
MDC_20	MDC 20: Alcohol/Drug Disorders	1	4.0196	0.7716	27.1399	<.0001
mdrg_519	Other Circulatory System O.R. Procedures	1	-1.3361	0.7211	3.4329	0.0639
mdrg_601	Stomach - Esophageal And Duodenal Proc	1	0.1783	0.157	1.2899	0.2561
mdrg_604	Peritoneal Adhesiolysis	1	-1.5905	0.3815	17.3774	<.0001
mdrg_701	Pancreas - Liver And Shunt Procedures	1	-1.0425	0.3271	10.16	0.0014
mdrg_704	Cholecystectomy Except By Laparoscope W/O C.D.E.	1	-0.9192	0.3354	7.5103	0.0061
mdrg_809	Amputation For Musculoskeletal Sys And Conn Tissue Dis	1	3.4331	0.731	22.0568	<.0001
mdrg_1003	O.R. Procedures For Obesity	1	-2.3809	0.4471	28.3592	<.0001
mdrg_1101	Kidney Transplant	1	-1.9854	0.7159	7.691	0.0055
mdrg_1102	Major Bladder Procedures	1	-1.4388	0.7095	4.112	0.0426
mdrg_1302	Uterine And Adnexa Proc For Ovarian Or Adnexal Malignancy	1	-1.7438	0.7756	5.0547	0.0246
mdrg_1303	Uterine -Adnexa Proc For Non-Ovarian/Adnexal Malig	1	-1.2076	0.5492	4.8339	0.0279
mdrg_1304	Uterine And Adnexa Proc For Non-Malignancy	1	-0.9097	0.3575	6.4727	0.011
mdrg_1801	Infectious And Parasitic Diseases W O.R. Procedure	1	-2.4032	0.2371	102.7245	<.0001

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mdrg_1802	Postoperative Or Post-Traumatic Infections W O.R. Proc	1	-2.1838	0.4179	27.3085	<.0001
mdrg_7702	Liver Transplant	1	-1.0908	0.5309	4.2217	0.0399
mdrg_8899	O.R. Procedures Unrelated To Principal Diagnosis	1	-0.8583	0.333	6.6418	0.01

c-statistic=0.722

Please note the sex|age groups are open-ended and overlap. The effect for any sex|age group can be estimated by summing the coefficients for all applicable sex|age groups. Confidence intervals and p-values for sex|age groups cannot be estimated with this risk model. The sex|age reference group is women age 65 and 69 years.

Composite Weights for PSI 90

In the modified version of PSI 90 (v6.0), weighting of the individual component indicators is based on two concepts: the *volume* of the adverse event and the *harm* associated with the adverse event.

- The volume weights were calculated based on the number of safety-related events for the component indicators in the all-payer reference population.
- The harms weights were calculated by multiplying empirical estimates of the probability of excess harms associated with each patient safety event by the corresponding utility weights (1-disutility). Disutility is the measure of the severity of the adverse events associated with each of the harms (i.e., outcome severity, or least preferred states from the patient perspective). These excess harm probabilities were estimated by comparing patients with a safety-related event to very similar, otherwise eligible patients without that safety-related event over up to one year after discharge during which the index event happened. Linked claims data for two years of Medicare Fee for Service beneficiaries (2012-2013) were used for this analysis. To account for confounders in estimating the marginal impact of each PIS on the risk of excess harms, inverse probability propensity weighting with indicator-and harm-specific propensity models were calculated that included age, sex, racial/ethnic categories, Medicaid eligibility, point of origin, modified Medicare Severity-Diagnosis-Related Group categories, Elixhauser comorbidities, and co-occurring PSIs.

Weights are provided for both a 10-indicator composite as well as an 11-indicator composite. In addition to the 10 core component indicators, the 11-indicator composite includes PSI 07 Central Venous Catheter-Related Blood Stream Infection Rate.

Table 14. Weights for PSI 90

INDICATOR	NQF ENDORSED WEIGHTS ¹	AHRQ VERSION ¹
PSI 03 Pressure Ulcer Rate	0.0598	0.0583
PSI 06 Iatrogenic Pneumothorax Rate	0.0535	0.0521
PSI 07 Central Venous Catheter-Related Blood Stream Infection Rate	0.0000	0.0252
PSI 08 In-Hospital Fall with Hip Fracture Rate	0.0101	0.0098
PSI 09 Perioperative Hemorrhage or Hematoma Rate ²	0.0853	0.0832
PSI 10 Postoperative Physiologic and Metabolic Derangement Rate ²	0.0410	0.0400
PSI 11 Postoperative Respiratory Failure Rate ²	0.3049	0.2972
PSI 12 Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate	0.2090	0.2037
PSI 13 Postoperative Sepsis Rate	0.2160	0.2106
PSI 14 Postoperative Wound Dehiscence Rate	0.0133	0.0129
PSI 15 Unrecognized Abdominopelvic Accidental Puncture/Laceration Rate	0.0070	0.0068
SUM	1.0000	1.0000

¹ The information for the modified PSI 90 composite measure is available here - http://www.qualityindicators.ahrq.gov/News/PSI90_Factsheet_FAQ_v3.pdf

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

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	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	CRANIO W MAJOR DEV IMPL/ACUTE COMPLEX CNS PDX W MCC OR CHEMO IMPLANT
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
01	S	0107	037	EXTRACRANIAL PROCEDURES W MCC
01	S	0107	038	EXTRACRANIAL PROCEDURES W CC

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	ACUTE ISCHEMIC STROKE W USE OF THROMBOLYTIC AGENT W MCC
01	M	0113	062	ACUTE ISCHEMIC STROKE W USE OF THROMBOLYTIC AGENT W CC
01	M	0113	063	ACUTE ISCHEMIC STROKE W USE OF 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
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
01	M	0117	070	NONSPECIFIC CEREBROVASCULAR DISORDERS W MCC
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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
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	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	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	S	0203	117	INTRAOCULAR PROCEDURES W/O CC/MCC
02	S	0203	117	INTRAOCULAR PROCEDURES W/O CC/MCC
02	M	0204	121	ACUTE MAJOR EYE INFECTIONS W CC/MCC

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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
02	M	0206	125	OTHER DISORDERS OF THE EYE W/O 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	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O CC/MCC
03	S	0302	134	OTHER EAR, NOSE, MOUTH & THROAT O.R. PROCEDURES W/O 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
03	S	0305	139	SALIVARY GLAND PROCEDURES
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
03	M	0309	153	OTITIS MEDIA & URI W/O MCC
03	M	0309	153	OTITIS MEDIA & URI W/O MCC
03	M	0309	153	OTITIS MEDIA & URI W/O MCC
03	M	0309	153	OTITIS MEDIA & URI W/O MCC
03	M	0310	154	NASAL TRAUMA & DEFORMITY W MCC
03	M	0310	155	NASAL TRAUMA & DEFORMITY W CC
03	M	0310	156	NASAL TRAUMA & DEFORMITY 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
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
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	0413	203	BRONCHITIS & ASTHMA W/O CC/MCC
04	M	0414	204	RESPIRATORY SIGNS & SYMPTOMS
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
05	S	0501	215	OTHER HEART ASSIST SYSTEM IMPLANT
05	S	0502	248	PERC CARDIOVASC PROC W NON-DRUG-ELUTING STENT W MCC OR 4+ VES/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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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 CC
05	S	0505	230	OTHER CARDIOTHORACIC PROCEDURES W/O CC/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	0508	237	MAJOR CARDIOVASC PROCEDURES W MCC OR THORACIC AORTIC ANEURYSM REPAIR
05	S	0508	238	MAJOR CARDIOVASCULAR PROCEDURES 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
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 LEAD & GENERATOR PROCEDURES
05	S	0510	265	AICD LEAD PROCEDURES
05	S	0511	246	PERC CARDIOVASC PROC W DRUG-ELUTING STENT W MCC OR 4+ VESSELS/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 OR AMI W MCC
05	S	0513	251	PERC CARDIOVASC PROC W/O CORONARY ARTERY STENT OR AMI 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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	S	0540	266	AICD LEAD PROCEDURES
05	S	0540	267	ENDOVASCULAR CARDIAC VALVE REPLACEMENT 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
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 MYOCARDIA INFARCTION, DISCHARGED ALIVE W/O CC/MCC
05	M	0521	283	ACUTE MYOCARDIAL INFARCTION, EXPIRED W MCC
05	M	0521	284	ACUTE MYOCARDIAL INFARCTION, EXPIRED W CC
05	M	0521	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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	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
05	M	0532	311	ANGINA PECTORIS
05	M	0533	312	SYNCOPE & COLLAPSE
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
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	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
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	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
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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
07	M	0711	441	DISORDERS OF LIVER EXCEPT MALIG,CIRR,ALC HEPA W MCC
07	M	0711	442	DISORDERS OF LIVER EXCEPT MALIG,CIRR,ALC HEPA W CC
07	M	0711	443	DISORDERS OF LIVER EXCEPT MALIG,CIRR,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 9+ FUS W MCC
08	S	0802	457	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR 9+ FUS W CC
08	S	0802	458	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR 9+ 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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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 JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W MCC
08	S	0807	470	MAJOR 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
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 PROC OF UPPER EXTREMITY W CC/MCC
08	S	0812	484	MAJOR JOINT & LIMB REATTACHMENT PROC OF UPPER EXTREMITY W/O CC/MCC
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	490	BACK & NECK PROC EXC SPINAL FUSION W CC/MCC OR DISC DEVICE/NEUROSTIM
08	S	0815	491	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

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
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	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	0839	563	FX, SPRN, STRN & DISL EXCEPT FEMUR, HIP, PELVIS & THIGH W/O MCC
08	M	0839	563	FX, SPRN, STRN & DISL EXCEPT FEMUR, HIP, PELVIS & THIGH W/O MCC
08	M	0839	563	FX, SPRN, STRN & DISL EXCEPT FEMUR, HIP, PELVIS & THIGH W/O 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	573	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W MCC
09	S	0901	574	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W CC
09	S	0901	575	SKIN GRAFT &/OR DEBRID FOR SKN ULCER OR CELLULITIS W/O CC/MCC
09	S	0902	576	SKIN GRAFT &/OR DEBRID EXC FOR SKIN ULCER OR CELLULITIS W MCC
09	S	0902	577	SKIN GRAFT &/OR DEBRID EXC FOR SKIN ULCER OR CELLULITIS W CC
09	S	0902	578	SKIN GRAFT &/OR DEBRID 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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	S	0905	585	BREAST BIOPSY, LOCAL EXCISION & OTHER BREAST PROCEDURES W/O 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	0910	603	CELLULITIS W/O MCC
09	M	0911	604	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST W MCC
09	M	0911	605	TRAUMA TO THE SKIN, SUBCUT TISS & BREAST W/O MCC
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	NUTRITIONAL & MISC METABOLIC DISORDERS W MCC
10	M	1008	641	NUTRITIONAL & MISC METABOLIC DISORDERS W/O MCC
10	M	1008	641	NUTRITIONAL & MISC METABOLIC DISORDERS W/O MCC
10	M	1009	642	INBORN ERRORS OF METABOLISM
10	M	1010	643	ENDOCRINE DISORDERS W MCC
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	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
11	M	1110	683	RENAL FAILURE W CC
11	M	1110	684	RENAL FAILURE W/O CC/MCC
11	M	1111	685	ADMIT FOR RENAL DIALYSIS
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	1113	690	KIDNEY & URINARY TRACT INFECTIONS W/O MCC
11	M	1114	691	URINARY STONES W ESW LITHOTRIPSY W CC/MCC
11	M	1114	692	URINARY STONES W ESW LITHOTRIPSY W/O CC/MCC
11	M	1115	693	URINARY STONES W/O ESW LITHOTRIPSY W MCC
11	M	1115	694	URINARY STONES W/O ESW LITHOTRIPSY 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	1116	696	KIDNEY & URINARY TRACT SIGNS & SYMPTOMS W/O MCC
11	M	1117	697	URETHRAL STRICTURE
11	M	1117	697	URETHRAL STRICTURE
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	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
12	S	1206	718	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXC MALIGNANCY W/O CC/MCC
12	S	1206	718	OTHER MALE REPRODUCTIVE SYSTEM O.R. PROC EXC MALIGNANCY W/O CC/MCC
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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	1305	745	D&C, CONIZATION, LAPAROSCOPY & TUBAL INTERRUPTION W/O 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
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	765	CESAREAN SECTION W CC/MCC
14	S	1401	766	CESAREAN SECTION W/O CC/MCC
14	S	1402	767	VAGINAL DELIVERY W STERILIZATION &/OR D&C
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	774	VAGINAL DELIVERY W COMPLICATING DIAGNOSES
14	M	1405	775	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
14	M	1406	776	POSTPARTUM & POST ABORTION DIAGNOSES W/O O.R. PROCEDURE
14	M	1407	777	ECTOPIC PREGNANCY
14	M	1408	778	THREATENED ABORTION
14	M	1409	779	ABORTION W/O D&C
14	M	1410	780	FALSE LABOR
14	M	1411	781	OTHER ANTEPARTUM DIAGNOSES W MEDICAL COMPLICATIONS

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
14	M	1412	782	OTHER ANTEPARTUM DIAGNOSES W/O MEDICAL COMPLICATIONS
15	M	1501	789	NEONATES, DIED OR TRANSFERRED TO ANOTHER ACUTE CARE FACILITY
15	M	1502	790	EXTREME IMMATURITY 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
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 O.R. PROC W MCC
17	S	1708	824	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. PROC W CC
17	S	1708	825	LYMPHOMA & NON-ACUTE LEUKEMIA W OTHER O.R. 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	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC W CC/MCC

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
17	S	1710	830	MYELOPROLIF DISORD OR POORLY DIFF NEOPL W OTHER O.R. PROC 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	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
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 OF UNKNOWN ORIGIN
18	M	1804	864	FEVER OF UNKNOWN ORIGIN
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
18	M	1807	870	SEPTICEMIA W MV 96+ HOURS
18	M	1807	870	SEPTICEMIA W MV 96+ HOURS
18	M	1808	871	SEPTICEMIA W/O MV 96+ HOURS W MCC
18	M	1808	872	SEPTICEMIA 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 & MENTAL RETARDATION
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	2019	895	ALCOHOL/DRUG ABUSE OR DEPENDENCE W REHABILITATION THERAPY
20	M	2019	895	ALCOHOL/DRUG ABUSE OR DEPENDENCE W REHABILITATION THERAPY
20	M	2020	896	ALCOHOL/DRUG ABUSE OR DEPENDENCE W/O REHABILITATION THERAPY W MCC
20	M	2020	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	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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
21	M	2107	918	POISONING & TOXIC EFFECTS OF DRUGS W/O 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 GRFT OR INHAL INJ
22	M	2213	934	FULL THICKNESS BURN W/O SKIN GRFT OR INHAL INJ
22	M	2214	935	NON-EXTENSIVE BURNS
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

MDC	M/S	MDRG	MS DRG	MS-DRG DESCRIPTION
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 ¹	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
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	009	BONE MARROW TRANSPLANT
PR	S	7705	014	ALLOGENEIC BONE MARROW TRANSPLANT
PR	S	7705	015	AUTOLOGOUS BONE MARROW TRANSPLANT
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 W MCC
PR	S	7799	012	TRACHEOSTOMY FOR FACE,MOUTH & NECK DIAGNOSES W CC
PR	S	7799	013	TRACHEOSTOMY FOR FACE,MOUTH & NECK DIAGNOSES W/O CC/MCC
* ²	M	8898	998	PRINCIPAL DIAGNOSIS INVALID AS DISCHARGE DIAGNOSIS
*	M	8898	999	UNGROUPABLE
*	S	8899	981	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W MCC
*	S	8899	982	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W CC
*	S	8899	983	EXTENSIVE O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W/O CC/MCC
*	S	8899	985	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W CC
*	S	8899	986	PROSTATIC O.R. PROCEDURE UNRELATED TO PRINCIPAL DIAGNOSIS W/O CC/MCC
*	S	8899	987	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W MCC
*	S	8899	988	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W CC
*	S	8899	989	NON-EXTENSIVE O.R. PROC UNRELATED TO PRINCIPAL DIAGNOSIS W/O CC/MCC

¹ Certain procedure codes have corresponding MS-DRG codes. MDC values vary based on principal diagnosis on the record.

² These DRG and MS-DRG codes are not assigned to an MDC.

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. Comorbidity Categories (COMORB), HCUP Comorbidity Software, Version 3.7*

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	Hypertension, uncomplicated
HTNCX	Hypertension, complicated
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

*Adapted from HCUP Comorbidity Software, Version 3.7 Healthcare Cost and Utilization Project (HCUP). 2013. Agency for Healthcare Research and Quality, Rockville, MD. <http://www.hcup-us.ahrq.gov/toolssoftware/comorbidity/comorbidity.jsp> Accessed May 6, 2013.

Table A.5. Categorical Variables Definitions: 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), then TRANSFER=1
XPPS04x_ANY	Any	Any triggering complication (specific to the PSI 04 stratified indicator) present on admission
XPPS04x_SEVERE	Severe	A severe triggering complication (specific to the PSI 04 stratified indicator)