**eTable 1. Exclusion Criteria International Classification of Disease, Ninth Revision (ICD-9) and Current Procedure Terminology (CPT) codes:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **ICD-9 Diagnosis Codes** | **CPT Codes** | | |
| Pregnancy | 640x-676x  V22x-V23x  V27x-V28x | 59400  59409  59410  59414  59510 | 59514  59515  59525  59610  59612 | 59614  59618  59620  59622 |
| Urological Procedure | V55x-V60x | 50000-53999 | | |
| Hematuria | 599.7x |  | | |

**eTable 2: Impact of urine culture sent on day 1 of hospital admission on inpatient antibiotic use**

| **MS-DRG Description** | **Frequency** | **Incidence Rate Ratio** | **Coefficient** | **Standard Error** | **Median Days of Antibiotic Use for MS-DRG** | **Predicted Difference in Antibiotic Days** |
| --- | --- | --- | --- | --- | --- | --- |
| abortion w d&c, aspiration curettage or hysterotomy | 43 | 1.230 | 0.207 | 0.201 | 0 | 9 |
| abortion w/o d&c | 35 | 1.386 | 0.326 | 0.202 | 1 | 12 |
| acute & subacute endocarditis w cc | 4 | 0.948 | -0.053 | 0.228 | 3 | 1 |
| acute & subacute endocarditis w mcc | 6 | 1.034 | 0.034 | 0.191 | 7 | 7 |
| acute adjustment reaction & psychosocial dysfunction | 29 | 2.526 | 0.927 | 0.242 | 0 | 13 |
| acute ischemic stroke w use of thrombolytic agent w cc | 6 | 1.628 | 0.487 | 0.265 | 0 | 4 |
| acute ischemic stroke w use of thrombolytic agent w mcc | 2 | 1.657 | 0.505 | 0.245 | 4 | 5 |
| acute leukemia w/o major o.r. procedure w cc | 5 | 1.102 | 0.097 | 0.264 | 1 | 1 |
| acute leukemia w/o major o.r. procedure w mcc | 2 | 0.899 | -0.106 | 0.262 | 5.5 | -1 |
| acute myocardial infarction, discharged alive w cc | 163 | 2.126 | 0.754 | 0.153 | 0 | 167 |
| acute myocardial infarction, discharged alive w mcc | 529 | 1.377 | 0.320 | 0.081 | 2 | 702 |
| acute myocardial infarction, discharged alive w/o cc/mcc | 44 | 2.186 | 0.782 | 0.226 | 0 | 17 |
| admit for renal dialysis | 8 | 1.515 | 0.415 | 0.255 | 0 | 3 |
| aftercare, musculoskeletal system & connective tissue w cc | 4 | 1.430 | 0.357 | 0.240 | 1.5 | 3 |
| aftercare, musculoskeletal system & connective tissue w mcc | 2 | 0.886 | -0.121 | 0.221 | 8.5 | 0 |
| aftercare, musculoskeletal system & connective tissue w/o cc/mcc | 2 | 1.649 | 0.500 | 0.318 | 0 | 1 |
| aicd generator procedures | 2 | 1.325 | 0.281 | 0.278 | 1.5 | 2 |
| alcohol/drug abuse or dependence w rehabilitation therapy | 65 | 1.981 | 0.684 | 0.212 | 0 | 19 |
| alcohol/drug abuse or dependence w/o rehabilitation therapy w mcc | 14 | 1.377 | 0.320 | 0.197 | 0 | 17 |
| alcohol/drug abuse or dependence w/o rehabilitation therapy w/o mcc | 1117 | 2.234 | 0.804 | 0.118 | 0 | 394 |
| alcohol/drug abuse or dependence, left ama | 51 | 3.021 | 1.105 | 0.240 | 0 | 17 |
| allergic reactions w mcc | 4 | 2.040 | 0.713 | 0.297 | 0 | 2 |
| allergic reactions w/o mcc | 2 | 1.352 | 0.302 | 0.311 | 1 | 1 |
| amputat of lower limb for endocrine,nutrit,& metabol dis w cc | 17 | 0.877 | -0.131 | 0.152 | 7 | -3 |
| anal & stomal procedures w cc | 9 | 0.954 | -0.047 | 0.192 | 5 | 0 |
| anal & stomal procedures w mcc | 3 | 1.050 | 0.049 | 0.240 | 5 | 1 |
| anal & stomal procedures w/o cc/mcc | 43 | 0.964 | -0.036 | 0.155 | 3 | 5 |
| appendectomy w complicated principal diag w cc | 17 | 0.949 | -0.053 | 0.177 | 4 | 7 |
| appendectomy w complicated principal diag w/o cc/mcc | 128 | 0.911 | -0.093 | 0.111 | 4 | 1 |
| appendectomy w/o complicated principal diag w cc | 30 | 0.899 | -0.106 | 0.179 | 2 | 0 |
| appendectomy w/o complicated principal diag w mcc | 2 | 1.037 | 0.037 | 0.272 | 3.5 | 0 |
| appendectomy w/o complicated principal diag w/o cc/mcc | 2916 | 0.893 | -0.114 | 0.060 | 2 | -103 |
| atherosclerosis w/o mcc | 34 | 2.313 | 0.838 | 0.239 | 0 | 12 |
| autologous bone marrow transplant w cc/mcc | 2 | 1.315 | 0.274 | 0.228 | 8.5 | 4 |
| back & neck proc exc spinal fusion w/o cc/mcc | 125 | 1.042 | 0.041 | 0.140 | 2 | 18 |
| bacterial & tuberculous infections of nervous system w cc | 4 | 1.768 | 0.570 | 0.282 | 0.5 | 3 |
| behavioral & developmental disorders | 3 | 1.845 | 0.613 | 0.249 | 0 | 6 |
| benign prostatic hypertrophy w/o mcc | 4 | 1.102 | 0.097 | 0.247 | 2 | 1 |
| bilateral or multiple major joint procs of lower extremity w/o mcc | 19 | 1.351 | 0.301 | 0.206 | 1 | 8 |
| biopsies of musculoskeletal system & connective tissue w cc | 7 | 1.681 | 0.520 | 0.257 | 1 | 5 |
| bone diseases & arthropathies w/o mcc | 37 | 1.332 | 0.286 | 0.179 | 1 | 18 |
| bronchitis & asthma w cc/mcc | 144 | 0.955 | -0.046 | 0.111 | 3 | 39 |
| bronchitis & asthma w/o cc/mcc | 125 | 1.090 | 0.086 | 0.133 | 2 | 48 |
| cardiac arrhythmia & conduction disorders w cc | 657 | 2.532 | 0.929 | 0.102 | 0 | 849 |
| cardiac arrhythmia & conduction disorders w mcc | 483 | 1.595 | 0.467 | 0.089 | 1 | 660 |
| cardiac arrhythmia & conduction disorders w/o cc/mcc | 491 | 2.784 | 1.024 | 0.170 | 0 | 133 |
| cardiac congenital & valvular disorders w mcc | 4 | 1.489 | 0.398 | 0.260 | 0.5 | 3 |
| cardiac congenital & valvular disorders w/o mcc | 2 | 1.371 | 0.316 | 0.313 | 1 | 1 |
| cardiac defib implant w cardiac cath w ami/hf/shock w mcc | 2 | 1.243 | 0.218 | 0.242 | 6.5 | 3 |
| cardiac valve & oth maj cardiothoracic proc w card cath w cc | 2 | 1.495 | 0.402 | 0.267 | 2.5 | 2 |
| cardiac valve & oth maj cardiothoracic proc w card cath w mcc | 2 | 1.149 | 0.139 | 0.247 | 4.5 | 1 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w cc | 27 | 1.254 | 0.226 | 0.176 | 2 | 18 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w mcc | 12 | 1.315 | 0.274 | 0.189 | 4 | 17 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w/o cc/mcc | 2 | 1.264 | 0.235 | 0.257 | 2.5 | 1 |
| carotid artery stent procedure w/o cc/mcc | 4 | 1.203 | 0.185 | 0.267 | 1 | 1 |
| cellulitis w mcc | 79 | 1.000 | 0.000 | 0.111 | 5 | 55 |
| cellulitis w/o mcc | 1469 | 0.897 | -0.108 | 0.056 | 4 | 168 |
| cervical spinal fusion w cc | 4 | 1.350 | 0.300 | 0.248 | 2 | 3 |
| cervical spinal fusion w/o cc/mcc | 80 | 1.029 | 0.029 | 0.156 | 1 | 2 |
| chemo w acute leukemia as sdx or w high dose chemo agent w mcc | 9 | 0.839 | -0.176 | 0.165 | 10 | -8 |
| chemo w acute leukemia as sdx w cc or high dose chemo agent | 2 | 0.999 | -0.001 | 0.226 | 6.5 | 0 |
| chemo w acute leukemia as sdx w/o cc/mcc | 44 | 1.928 | 0.656 | 0.191 | 0 | 28 |
| chemotherapy w/o acute leukemia as secondary diagnosis w cc | 435 | 1.605 | 0.473 | 0.111 | 0 | 265 |
| chemotherapy w/o acute leukemia as secondary diagnosis w mcc | 43 | 1.192 | 0.176 | 0.143 | 5 | 51 |
| chemotherapy w/o acute leukemia as secondary diagnosis w/o cc/mcc | 8 | 1.987 | 0.687 | 0.270 | 0 | 4 |
| chest pain | 709 | 2.367 | 0.862 | 0.135 | 0 | 280 |
| chronic obstructive pulmonary disease w cc | 872 | 0.978 | -0.022 | 0.067 | 3 | 348 |
| chronic obstructive pulmonary disease w mcc | 1691 | 0.960 | -0.041 | 0.055 | 4 | 607 |
| chronic obstructive pulmonary disease w/o cc/mcc | 465 | 1.006 | 0.006 | 0.083 | 3 | 172 |
| circulatory disorders except ami, w card cath w mcc | 8 | 1.403 | 0.339 | 0.223 | 0.5 | 7 |
| circulatory disorders except ami, w card cath w/o mcc | 126 | 3.023 | 1.106 | 0.208 | 0 | 49 |
| cirrhosis & alcoholic hepatitis w cc | 104 | 1.088 | 0.085 | 0.140 | 1 | 43 |
| cirrhosis & alcoholic hepatitis w mcc | 106 | 1.066 | 0.064 | 0.124 | 3 | 59 |
| coagulation disorders | 16 | 1.741 | 0.554 | 0.223 | 0 | 12 |
| complicated peptic ulcer w cc | 4 | 1.310 | 0.270 | 0.233 | 2 | 3 |
| complicated peptic ulcer w mcc | 3 | 1.189 | 0.173 | 0.263 | 0 | 1 |
| complications of treatment w cc | 8 | 0.856 | -0.155 | 0.177 | 6 | 0 |
| complications of treatment w mcc | 16 | 0.937 | -0.065 | 0.160 | 6 | 2 |
| complications of treatment w/o cc/mcc | 2 | 1.245 | 0.219 | 0.291 | 1.5 | 1 |
| connective tissue disorders w cc | 28 | 0.978 | -0.022 | 0.168 | 2 | 10 |
| connective tissue disorders w mcc | 4 | 1.532 | 0.427 | 0.287 | 0 | 2 |
| connective tissue disorders w/o cc/mcc | 16 | 1.486 | 0.396 | 0.229 | 0 | 7 |
| coronary bypass w cardiac cath w mcc | 18 | 1.216 | 0.195 | 0.175 | 3 | 18 |
| coronary bypass w cardiac cath w/o mcc | 88 | 1.186 | 0.171 | 0.131 | 2 | 64 |
| coronary bypass w/o cardiac cath w mcc | 23 | 0.897 | -0.109 | 0.161 | 2 | -6 |
| coronary bypass w/o cardiac cath w/o mcc | 95 | 1.150 | 0.140 | 0.136 | 2 | 40 |
| cranial & peripheral nerve disorders w mcc | 52 | 1.170 | 0.157 | 0.165 | 0.5 | 26 |
| cranial & peripheral nerve disorders w/o mcc | 199 | 1.097 | 0.093 | 0.121 | 0 | 77 |
| cranio w major dev impl/acute complex cns pdx w mcc or chemo implant | 2 | 0.986 | -0.014 | 0.198 | 19.5 | 3 |
| craniotomy & endovascular intracranial procedures w cc | 6 | 1.265 | 0.235 | 0.233 | 2.5 | 4 |
| craniotomy & endovascular intracranial procedures w mcc | 8 | 1.688 | 0.524 | 0.228 | 1.5 | 9 |
| craniotomy & endovascular intracranial procedures w/o cc/mcc | 46 | 1.234 | 0.210 | 0.174 | 2 | 18 |
| d&c, conization, laparoscopy & tubal interruption w/o cc/mcc | 4 | 0.997 | -0.003 | 0.214 | 2.5 | 1 |
| deep vein thrombophlebitis w cc/mcc | 2 | 1.271 | 0.240 | 0.290 | 1.5 | 1 |
| degenerative nervous system disorders w mcc | 16 | 1.191 | 0.174 | 0.190 | 3 | 15 |
| degenerative nervous system disorders w/o mcc | 198 | 2.651 | 0.975 | 0.139 | 0 | 299 |
| depressive neuroses | 385 | 1.938 | 0.662 | 0.138 | 0 | 181 |
| diabetes w cc | 750 | 1.286 | 0.251 | 0.093 | 0 | 347 |
| diabetes w mcc | 122 | 1.259 | 0.231 | 0.133 | 1 | 92 |
| diabetes w/o cc/mcc | 683 | 1.566 | 0.448 | 0.128 | 0 | 176 |
| digestive malignancy w cc | 10 | 1.398 | 0.335 | 0.195 | 3 | 16 |
| digestive malignancy w mcc | 6 | 1.216 | 0.195 | 0.213 | 3.5 | 8 |
| disorders of liver except malig,cirr,alc hepa w cc | 249 | 0.952 | -0.049 | 0.094 | 3 | 62 |
| disorders of liver except malig,cirr,alc hepa w mcc | 76 | 0.927 | -0.076 | 0.121 | 4 | 17 |
| disorders of liver except malig,cirr,alc hepa w/o cc/mcc | 19 | 0.917 | -0.087 | 0.186 | 2 | 2 |
| disorders of pancreas except malignancy w cc | 332 | 1.502 | 0.407 | 0.105 | 0 | 323 |
| disorders of pancreas except malignancy w mcc | 37 | 1.279 | 0.246 | 0.170 | 2 | 31 |
| disorders of pancreas except malignancy w/o cc/mcc | 411 | 1.864 | 0.623 | 0.134 | 0 | 204 |
| disorders of personality & impulse control | 8 | 2.145 | 0.763 | 0.277 | 0 | 4 |
| disorders of the biliary tract w cc | 8 | 1.032 | 0.031 | 0.200 | 3 | 3 |
| disorders of the biliary tract w/o cc/mcc | 6 | 1.166 | 0.153 | 0.224 | 3.5 | 4 |
| dysequilibrium | 47 | 1.785 | 0.579 | 0.205 | 0 | 25 |
| ear, nose, mouth & throat malignancy | 13 | 0.773 | -0.258 | 0.189 | 3 | -5 |
| ecmo or trach w mv 96+ hrs or pdx exc face, mouth & neck w maj o.r. | 2 | 0.955 | -0.046 | 0.200 | 16 | -1 |
| ectopic pregnancy | 273 | 0.994 | -0.006 | 0.135 | 1 | 11 |
| endocrine disorders w cc | 26 | 1.303 | 0.265 | 0.191 | 0.5 | 19 |
| endocrine disorders w mcc | 10 | 1.545 | 0.435 | 0.211 | 2 | 15 |
| endocrine disorders w/o cc/mcc | 8 | 1.790 | 0.582 | 0.270 | 0 | 4 |
| endovascular cardiac valve replacement w mcc | 6 | 1.388 | 0.328 | 0.223 | 2 | 6 |
| epistaxis | 2 | 1.436 | 0.362 | 0.340 | 0 | 0 |
| epistaxis w/o mcc | 2 | 1.378 | 0.321 | 0.293 | 1.5 | 1 |
| esophagitis, gastroent & misc digest disorders w mcc | 44 | 1.027 | 0.027 | 0.149 | 3.5 | 26 |
| esophagitis, gastroent & misc digest disorders w/o mcc | 3090 | 0.921 | -0.082 | 0.051 | 3 | 191 |
| extensive o.r. procedure unrelated to principal diagnosis w cc | 2 | 2.062 | 0.724 | 0.300 | 0 | 3 |
| extensive o.r. procedure unrelated to principal diagnosis w mcc | 4 | 1.185 | 0.169 | 0.217 | 8 | 8 |
| extracranial procedures w cc | 8 | 1.595 | 0.467 | 0.244 | 1 | 4 |
| extracranial procedures w mcc | 2 | 1.287 | 0.252 | 0.275 | 1.5 | 1 |
| extracranial procedures w/o cc/mcc | 114 | 0.939 | -0.063 | 0.148 | 1 | -8 |
| fever | 52 | 1.094 | 0.090 | 0.150 | 3 | 35 |
| foot procedures w cc | 2 | 1.181 | 0.166 | 0.270 | 3 | 1 |
| fractures of femur w/o mcc | 2 | 1.125 | 0.118 | 0.267 | 3 | 1 |
| fractures of hip & pelvis w mcc | 2 | 1.290 | 0.254 | 0.270 | 3 | 2 |
| fractures of hip & pelvis w/o mcc | 102 | 1.742 | 0.555 | 0.166 | 0 | 81 |
| fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o mcc | 20 | 1.926 | 0.656 | 0.224 | 0 | 17 |
| g.i. hemorrhage w cc | 423 | 1.732 | 0.549 | 0.109 | 0 | 398 |
| g.i. hemorrhage w mcc | 102 | 1.609 | 0.476 | 0.132 | 1.5 | 170 |
| g.i. hemorrhage w/o cc/mcc | 37 | 2.451 | 0.896 | 0.241 | 0 | 12 |
| g.i. obstruction w cc | 260 | 1.468 | 0.384 | 0.113 | 1 | 255 |
| g.i. obstruction w mcc | 20 | 1.679 | 0.518 | 0.222 | 0 | 16 |
| g.i. obstruction w/o cc/mcc | 411 | 1.616 | 0.480 | 0.140 | 0 | 137 |
| hand procedures for injuries | 4 | 1.007 | 0.007 | 0.257 | 2 | 0 |
| headaches w/o mcc | 71 | 1.915 | 0.649 | 0.197 | 0 | 34 |
| heart failure & shock w cc | 1899 | 1.777 | 0.575 | 0.066 | 0 | 2,334 |
| heart failure & shock w mcc | 2180 | 1.173 | 0.160 | 0.055 | 3 | 2,091 |
| heart failure & shock w/o cc/mcc | 266 | 1.950 | 0.668 | 0.159 | 0 | 120 |
| hernia procedures except inguinal & femoral w cc | 2 | 0.964 | -0.037 | 0.255 | 5 | 0 |
| hernia procedures except inguinal & femoral w/o cc/mcc | 4 | 1.065 | 0.063 | 0.246 | 2 | 1 |
| hip & femur procedures except major joint w cc | 662 | 1.240 | 0.215 | 0.077 | 2 | 598 |
| hip & femur procedures except major joint w mcc | 41 | 1.389 | 0.329 | 0.157 | 3 | 61 |
| hip & femur procedures except major joint w/o cc/mcc | 41 | 1.196 | 0.179 | 0.171 | 2 | 24 |
| hiv w major related condition w cc | 48 | 0.880 | -0.128 | 0.130 | 5 | 6 |
| hiv w major related condition w mcc | 61 | 0.876 | -0.132 | 0.111 | 8 | 6 |
| hiv w major related condition w/o cc/mcc | 36 | 0.927 | -0.076 | 0.152 | 4 | 9 |
| hiv w or w/o other related condition | 18 | 1.035 | 0.034 | 0.185 | 3 | 9 |
| hypertension w mcc | 4 | 1.619 | 0.482 | 0.278 | 0 | 3 |
| hypertension w/o mcc | 188 | 2.579 | 0.947 | 0.180 | 0 | 101 |
| hypertensive encephalopathy w cc | 8 | 1.536 | 0.429 | 0.238 | 0 | 5 |
| hypertensive encephalopathy w/o cc/mcc | 2 | 1.424 | 0.354 | 0.298 | 1.5 | 2 |
| inborn and other disorders of metabolism | 44 | 1.702 | 0.532 | 0.206 | 0 | 26 |
| infections, female reproductive system w mcc | 2 | 1.098 | 0.094 | 0.223 | 5.5 | 1 |
| infections, female reproductive system w/o cc/mcc | 40 | 0.847 | -0.166 | 0.153 | 3 | -8 |
| infectious & parasitic diseases w o.r. procedure w cc | 28 | 1.031 | 0.031 | 0.147 | 6.5 | 30 |
| infectious & parasitic diseases w o.r. procedure w mcc | 205 | 0.992 | -0.008 | 0.074 | 10 | 253 |
| inflammation of the male reproductive system w mcc | 2 | 0.908 | -0.096 | 0.227 | 6 | 0 |
| inflammation of the male reproductive system w/o mcc | 30 | 0.869 | -0.141 | 0.162 | 3.5 | -4 |
| inflammatory bowel disease w cc | 110 | 1.090 | 0.086 | 0.127 | 3 | 60 |
| inflammatory bowel disease w mcc | 8 | 1.498 | 0.404 | 0.208 | 2.5 | 11 |
| inflammatory bowel disease w/o cc/mcc | 69 | 0.932 | -0.070 | 0.142 | 2 | 7 |
| inguinal & femoral hernia procedures w/o cc/mcc | 19 | 1.083 | 0.080 | 0.202 | 1 | 7 |
| interstitial lung disease w cc | 14 | 0.989 | -0.011 | 0.174 | 4 | 7 |
| interstitial lung disease w mcc | 14 | 1.101 | 0.096 | 0.195 | 2 | 8 |
| intracranial hemorrhage or cerebral infarction w cc | 598 | 2.339 | 0.850 | 0.106 | 0 | 694 |
| intracranial hemorrhage or cerebral infarction w cc or tpa in 24 hrs | 535 | 2.373 | 0.864 | 0.113 | 0 | 554 |
| intracranial hemorrhage or cerebral infarction w mcc | 340 | 1.698 | 0.530 | 0.094 | 1 | 633 |
| intracranial hemorrhage or cerebral infarction w/o cc/mcc | 432 | 2.332 | 0.847 | 0.165 | 0 | 129 |
| intracranial vascular procedures w pdx hemorrhage w cc | 2 | 1.091 | 0.087 | 0.215 | 7 | 3 |
| intracranial vascular procedures w pdx hemorrhage w mcc | 2 | 0.877 | -0.132 | 0.210 | 13.5 | -1 |
| kidney & urinary tract infections w mcc | 1529 | 0.915 | -0.089 | 0.055 | 4 | 255 |
| kidney & urinary tract infections w/o mcc | 4198 | 0.901 | -0.104 | 0.048 | 4 | 452 |
| kidney & urinary tract signs & symptoms w/o mcc | 2 | 1.536 | 0.429 | 0.292 | 1 | 2 |
| knee procedures w/o pdx of infection w/o cc/mcc | 4 | 1.039 | 0.038 | 0.248 | 2 | 0 |
| laparoscopic cholecystectomy w/o c.d.e. w cc | 127 | 0.944 | -0.057 | 0.118 | 3 | 23 |
| laparoscopic cholecystectomy w/o c.d.e. w mcc | 6 | 1.012 | 0.012 | 0.216 | 3 | 1 |
| laparoscopic cholecystectomy w/o c.d.e. w/o cc/mcc | 1876 | 0.901 | -0.104 | 0.063 | 2 | -80 |
| limb reattachment, hip & femur proc for multiple significant trauma | 2 | 1.202 | 0.184 | 0.262 | 3 | 2 |
| local excision & removal int fix devices exc hip & femur w mcc | 2 | 0.850 | -0.163 | 0.197 | 18 | 0 |
| lower extrem & humer proc except hip,foot,femur w cc | 6 | 1.167 | 0.155 | 0.230 | 2 | 4 |
| lower extrem & humer proc except hip,foot,femur w/o cc/mcc | 27 | 1.112 | 0.106 | 0.180 | 2 | 9 |
| lymphoma & non-acute leukemia w cc | 10 | 1.404 | 0.340 | 0.205 | 2 | 18 |
| lymphoma & non-acute leukemia w mcc | 4 | 1.149 | 0.139 | 0.196 | 8.5 | 9 |
| major cardiovasc procedures w mcc | 6 | 1.552 | 0.440 | 0.214 | 4 | 12 |
| major cardiovasc procedures w/o mcc | 62 | 1.191 | 0.175 | 0.170 | 1 | 12 |
| major chest procedures w cc | 6 | 1.267 | 0.237 | 0.224 | 2 | 3 |
| major chest procedures w mcc | 6 | 1.068 | 0.066 | 0.197 | 6.5 | 4 |
| major chest procedures w/o cc/mcc | 4 | 1.705 | 0.533 | 0.247 | 1 | 4 |
| major chest trauma w cc | 12 | 1.190 | 0.174 | 0.210 | 1 | 5 |
| major esophageal disorders w cc | 6 | 1.308 | 0.268 | 0.225 | 3.5 | 6 |
| major esophageal disorders w mcc | 2 | 0.977 | -0.023 | 0.224 | 9 | 1 |
| major gastrointestinal disorders & peritoneal infections w cc | 273 | 0.902 | -0.104 | 0.081 | 5 | 40 |
| major gastrointestinal disorders & peritoneal infections w mcc | 95 | 0.887 | -0.120 | 0.103 | 6 | 16 |
| major gastrointestinal disorders & peritoneal infections w/o cc/mcc | 65 | 0.759 | -0.275 | 0.128 | 4 | -33 |
| major hematol/immun diag exc sickle cell crisis & coagul w cc | 79 | 0.958 | -0.043 | 0.123 | 4 | 18 |
| major hematol/immun diag exc sickle cell crisis & coagul w mcc | 4 | 0.923 | -0.080 | 0.206 | 7 | 0 |
| major hematol/immun diag exc sickle cell crisis & coagul w/o cc/mcc | 6 | 0.919 | -0.084 | 0.234 | 1.5 | 0 |
| major joint & limb reattachment proc of upper extremity w cc/mcc | 8 | 1.039 | 0.038 | 0.233 | 1.5 | 1 |
| major joint & limb reattachment proc of upper extremity w/o cc/mcc | 19 | 1.001 | 0.001 | 0.202 | 1 | -1 |
| major joint replacement or reattachment of lower extremity w mcc | 14 | 1.518 | 0.418 | 0.197 | 1.5 | 21 |
| major joint replacement or reattachment of lower extremity w/o mcc | 6214 | 1.105 | 0.099 | 0.053 | 2 | 1,006 |
| major joint/limb reattachment procedure of upper extremities | 2 | 1.153 | 0.143 | 0.293 | 2 | 1 |
| major skin disorders w/o mcc | 3 | 1.007 | 0.007 | 0.229 | 5 | 1 |
| major small & large bowel procedures w cc | 11 | 1.001 | 0.001 | 0.177 | 6 | 8 |
| major small & large bowel procedures w mcc | 10 | 0.975 | -0.025 | 0.163 | 8 | 12 |
| major small & large bowel procedures w/o cc/mcc | 10 | 0.930 | -0.073 | 0.204 | 2 | -1 |
| malignancy of hepatobiliary system or pancreas w cc | 20 | 1.349 | 0.299 | 0.193 | 1 | 20 |
| malignancy of hepatobiliary system or pancreas w mcc | 16 | 0.989 | -0.011 | 0.171 | 3.5 | 5 |
| malignancy, female reproductive system w cc | 4 | 1.035 | 0.034 | 0.225 | 6 | 4 |
| malignancy, female reproductive system w mcc | 2 | 0.876 | -0.132 | 0.220 | 13 | 2 |
| malignancy, male reproductive system w cc | 2 | 1.143 | 0.134 | 0.261 | 3.5 | 2 |
| medical back problems w mcc | 6 | 1.089 | 0.085 | 0.199 | 6 | 6 |
| medical back problems w/o mcc | 150 | 2.014 | 0.700 | 0.154 | 0 | 137 |
| menstrual & other female reproductive system disorders w cc/mcc | 6 | 1.366 | 0.312 | 0.258 | 0 | 3 |
| menstrual & other female reproductive system disorders w/o cc/mcc | 32 | 1.318 | 0.276 | 0.200 | 1 | 14 |
| minor skin disorders w/o mcc | 10 | 1.370 | 0.315 | 0.234 | 0.5 | 5 |
| minor small & large bowel procedures w/o cc/mcc | 4 | 1.074 | 0.072 | 0.234 | 3 | 1 |
| misc disorders of nutrition,metabolism,fluids/electrolytes w mcc | 147 | 1.491 | 0.400 | 0.152 | 0 | 79 |
| misc disorders of nutrition,metabolism,fluids/electrolytes w/o mcc | 698 | 1.438 | 0.363 | 0.101 | 0 | 363 |
| multiple sclerosis & cerebellar ataxia w cc | 29 | 1.512 | 0.413 | 0.188 | 0 | 27 |
| multiple sclerosis & cerebellar ataxia w/o cc/mcc | 79 | 3.260 | 1.182 | 0.241 | 0 | 19 |
| nervous system neoplasms w mcc | 26 | 1.554 | 0.441 | 0.202 | 0 | 20 |
| nervous system neoplasms w/o mcc | 10 | 1.196 | 0.179 | 0.205 | 0.5 | 8 |
| neuroses except depressive | 25 | 2.631 | 0.968 | 0.254 | 0 | 9 |
| no longer valid | 2 | 0.900 | -0.106 | 0.203 | 15.5 | -1 |
| non-bacterial infect of nervous sys exc viral meningitis w/o cc/mcc | 2 | 1.813 | 0.595 | 0.317 | 0 | 1 |
| non-extensive burns | 2 | 1.121 | 0.114 | 0.270 | 2.5 | 1 |
| non-extensive o.r. proc unrelated to principal diagnosis w cc | 2 | 1.370 | 0.315 | 0.324 | 0.5 | 1 |
| non-malignant breast disorders w cc/mcc | 4 | 0.856 | -0.155 | 0.198 | 6 | 0 |
| non-malignant breast disorders w/o cc/mcc | 14 | 0.926 | -0.077 | 0.197 | 3 | 2 |
| nonspecific cerebrovascular disorders w cc | 55 | 1.108 | 0.103 | 0.160 | 1 | 23 |
| nonspecific cerebrovascular disorders w mcc | 28 | 1.074 | 0.072 | 0.171 | 2.5 | 16 |
| nonspecific cerebrovascular disorders w/o cc/mcc | 10 | 2.093 | 0.738 | 0.296 | 0 | 3 |
| nonspecific cva & precerebral occlusion w/o infarct w/o mcc | 5 | 1.575 | 0.454 | 0.249 | 0 | 6 |
| nontraumatic stupor & coma w/o mcc | 5 | 1.580 | 0.458 | 0.296 | 0 | 2 |
| not found | 2 | 0.950 | -0.052 | 0.232 | 6.5 | 1 |
| not specified code | 16 | 0.945 | -0.056 | 0.188 | 0 | -1 |
| nutritional & misc metabolic disorders w mcc | 18 | 1.601 | 0.470 | 0.215 | 0 | 11 |
| nutritional & misc metabolic disorders w/o mcc | 87 | 1.520 | 0.419 | 0.174 | 0 | 47 |
| o.r. proc w diagnoses of other contact w health services w cc | 3 | 1.586 | 0.461 | 0.319 | 0 | 1 |
| o.r. procedures for obesity w cc | 6 | 1.188 | 0.172 | 0.250 | 1 | 2 |
| o.r. procedures for obesity w/o cc/mcc | 340 | 0.969 | -0.031 | 0.123 | 1 | -1 |
| organic disturbances & mental retardation | 38 | 1.945 | 0.665 | 0.197 | 0 | 38 |
| osteomyelitis w cc | 5 | 0.910 | -0.095 | 0.190 | 7 | 3 |
| osteomyelitis w/o cc/mcc | 2 | 0.974 | -0.026 | 0.220 | 7.5 | 1 |
| other circulatory system diagnoses w cc | 20 | 1.095 | 0.091 | 0.171 | 4.5 | 24 |
| other circulatory system diagnoses w mcc | 137 | 0.920 | -0.083 | 0.090 | 6 | 42 |
| other circulatory system diagnoses w/o cc/mcc | 4 | 1.082 | 0.079 | 0.236 | 2.5 | 2 |
| other circulatory system o.r. procedures | 2 | 0.930 | -0.072 | 0.217 | 9 | 1 |
| other digestive system diagnoses w cc | 76 | 1.136 | 0.128 | 0.140 | 2 | 52 |
| other digestive system diagnoses w mcc | 12 | 0.960 | -0.040 | 0.176 | 5.5 | 7 |
| other digestive system diagnoses w/o cc/mcc | 43 | 1.186 | 0.171 | 0.170 | 2 | 26 |
| other disorders of nervous system w cc | 33 | 1.324 | 0.280 | 0.182 | 0 | 25 |
| other disorders of nervous system w mcc | 14 | 1.297 | 0.260 | 0.209 | 0 | 10 |
| other disorders of nervous system w/o cc/mcc | 13 | 2.230 | 0.802 | 0.276 | 0 | 4 |
| other ear, nose, mouth & throat diagnoses age 0-17 | 4 | 1.352 | 0.302 | 0.292 | 0 | 1 |
| other endocrine, nutrit & metab o.r. proc w cc | 8 | 0.844 | -0.170 | 0.181 | 8.5 | -7 |
| other infectious & parasitic diseases diagnoses w mcc | 2 | 1.464 | 0.381 | 0.262 | 2.5 | 2 |
| other kidney & urinary tract diagnoses w cc | 80 | 1.008 | 0.008 | 0.130 | 3 | 41 |
| other kidney & urinary tract diagnoses w mcc | 153 | 0.922 | -0.081 | 0.095 | 5 | 38 |
| other kidney & urinary tract diagnoses w/o cc/mcc | 12 | 1.062 | 0.060 | 0.197 | 3 | 7 |
| other kidney & urinary tract procedures w cc | 4 | 1.603 | 0.472 | 0.263 | 1 | 3 |
| other kidney & urinary tract procedures w mcc | 4 | 0.825 | -0.192 | 0.205 | 8.5 | -2 |
| other multiple significant trauma w cc | 2 | 1.250 | 0.223 | 0.243 | 3 | 2 |
| other multiple significant trauma w mcc | 2 | 1.834 | 0.607 | 0.283 | 0.5 | 2 |
| other musculoskelet sys & conn tiss o.r. proc w cc | 16 | 1.195 | 0.178 | 0.190 | 1 | 13 |
| other musculoskelet sys & conn tiss o.r. proc w/o cc/mcc | 2 | 1.508 | 0.411 | 0.292 | 1 | 2 |
| other musculoskeletal sys & connective tissue diagnoses w cc | 4 | 1.067 | 0.065 | 0.233 | 2 | 2 |
| other myeloprolif dis or poorly diff neopl diag w cc | 2 | 1.277 | 0.245 | 0.275 | 4.5 | 2 |
| other o.r. procedures for injuries w cc | 4 | 0.844 | -0.170 | 0.215 | 5.5 | -1 |
| other o.r. procedures for injuries w mcc | 2 | 1.480 | 0.392 | 0.290 | 1.5 | 1 |
| other o.r. procedures for injuries w/o cc/mcc | 2 | 0.918 | -0.085 | 0.253 | 3.5 | 0 |
| other resp system o.r. procedures w cc | 8 | 1.541 | 0.433 | 0.224 | 2 | 11 |
| other resp system o.r. procedures w mcc | 6 | 1.075 | 0.073 | 0.204 | 6.5 | 8 |
| other respiratory system diagnoses w mcc | 2 | 1.240 | 0.215 | 0.281 | 3 | 1 |
| other respiratory system diagnoses w/o mcc | 14 | 1.147 | 0.137 | 0.208 | 0.5 | 7 |
| other skin, subcut tiss & breast proc w cc | 6 | 0.916 | -0.088 | 0.181 | 9.5 | 0 |
| other skin, subcut tiss & breast proc w mcc | 2 | 0.681 | -0.384 | 0.247 | 5 | -2 |
| other skin, subcut tiss & breast proc w/o cc/mcc | 13 | 0.880 | -0.128 | 0.188 | 3 | -5 |
| other vascular procedures w cc | 24 | 1.028 | 0.027 | 0.163 | 3 | 11 |
| other vascular procedures w mcc | 8 | 1.042 | 0.041 | 0.196 | 3 | 4 |
| other vascular procedures w/o cc/mcc | 24 | 1.350 | 0.300 | 0.199 | 1 | 9 |
| otitis media & uri age >17 w/o cc | 8 | 1.181 | 0.166 | 0.249 | 0 | 3 |
| otitis media & uri age 0-17 | 2 | 1.145 | 0.135 | 0.283 | 2.5 | 1 |
| otitis media & uri w mcc | 12 | 1.295 | 0.258 | 0.208 | 2 | 10 |
| otitis media & uri w/o mcc | 31 | 1.006 | 0.006 | 0.183 | 2 | 7 |
| pancreas, liver & shunt procedures w cc | 4 | 0.852 | -0.161 | 0.182 | 10.5 | -2 |
| pathological fractures & musculoskelet & conn tiss malig w cc | 18 | 1.640 | 0.495 | 0.208 | 0 | 16 |
| pathological fractures & musculoskelet & conn tiss malig w mcc | 4 | 1.397 | 0.334 | 0.244 | 3 | 5 |
| pathological fractures & musculoskelet & conn tiss malig w/o cc/mcc | 8 | 1.714 | 0.539 | 0.252 | 0 | 5 |
| penis procedures w cc/mcc | 2 | 1.275 | 0.243 | 0.280 | 4 | 2 |
| perc cardiovasc proc w drug-eluting stent w mcc or 4+ vessels/stents | 35 | 1.787 | 0.581 | 0.190 | 0 | 40 |
| perc cardiovasc proc w drug-eluting stent w/o mcc | 266 | 2.024 | 0.705 | 0.163 | 0 | 105 |
| perc cardiovasc proc w/o coronary artery stent w mcc | 2 | 1.199 | 0.182 | 0.266 | 3 | 2 |
| perc cardiovasc proc w/o coronary artery stent w/o mcc | 15 | 1.315 | 0.274 | 0.208 | 1 | 8 |
| periph/cranial nerve & other nerv syst proc w cc or periph neurostim | 2 | 1.125 | 0.118 | 0.248 | 4 | 2 |
| peripheral vascular disorders w cc | 40 | 1.069 | 0.066 | 0.159 | 1.5 | 21 |
| peripheral vascular disorders w mcc | 14 | 1.161 | 0.149 | 0.187 | 3 | 12 |
| peripheral vascular disorders w/o cc/mcc | 13 | 1.716 | 0.540 | 0.241 | 0 | 8 |
| peritoneal adhesiolysis w cc | 18 | 1.418 | 0.349 | 0.198 | 0.5 | 20 |
| peritoneal adhesiolysis w/o cc/mcc | 10 | 1.082 | 0.079 | 0.202 | 3 | 7 |
| permanent cardiac pacemaker implant w cc | 35 | 1.382 | 0.324 | 0.174 | 2 | 39 |
| permanent cardiac pacemaker implant w mcc | 4 | 1.185 | 0.170 | 0.239 | 2.5 | 4 |
| permanent cardiac pacemaker implant w/o cc/mcc | 16 | 1.192 | 0.176 | 0.207 | 2 | 7 |
| pleural effusion w cc | 12 | 1.464 | 0.381 | 0.229 | 0 | 7 |
| pleural effusion w mcc | 15 | 1.428 | 0.356 | 0.195 | 3 | 21 |
| pleural effusion w/o cc/mcc | 4 | 1.262 | 0.232 | 0.243 | 1.5 | 2 |
| pneumothorax w cc | 10 | 1.511 | 0.413 | 0.224 | 0.5 | 7 |
| pneumothorax w/o cc/mcc | 2 | 2.122 | 0.752 | 0.287 | 0 | 2 |
| poisoning & toxic effects of drugs w mcc | 46 | 1.197 | 0.180 | 0.163 | 2 | 34 |
| poisoning & toxic effects of drugs w/o mcc | 61 | 2.047 | 0.716 | 0.210 | 0 | 28 |
| postoperative & post-traumatic infections w mcc | 40 | 0.949 | -0.052 | 0.131 | 6 | 27 |
| postoperative & post-traumatic infections w/o mcc | 95 | 0.895 | -0.111 | 0.117 | 4 | -7 |
| postoperative or post-traumatic infections w o.r. proc w cc | 10 | 0.869 | -0.140 | 0.166 | 8.5 | -8 |
| postoperative or post-traumatic infections w o.r. proc w mcc | 2 | 0.864 | -0.146 | 0.202 | 11.5 | 1 |
| postpartum & post abortion diagnoses w o.r. procedure | 2 | 1.061 | 0.059 | 0.292 | 1.5 | 0 |
| postpartum & post abortion diagnoses w/o o.r. procedure | 58 | 1.249 | 0.222 | 0.157 | 2 | 41 |
| psychoses | 3292 | 1.978 | 0.682 | 0.081 | 0 | 1,424 |
| pulmonary edema & respiratory failure | 1180 | 0.968 | -0.032 | 0.060 | 4 | 342 |
| pulmonary embolism w mcc | 43 | 1.727 | 0.546 | 0.170 | 1 | 66 |
| pulmonary embolism w/o mcc | 201 | 1.900 | 0.642 | 0.143 | 0 | 175 |
| rectal resection w/o cc/mcc | 2 | 1.476 | 0.389 | 0.291 | 1 | 1 |
| red blood cell disorders w mcc | 76 | 1.328 | 0.283 | 0.139 | 2 | 89 |
| red blood cell disorders w/o mcc | 1887 | 1.331 | 0.286 | 0.065 | 0 | 1,399 |
| rehabilitation w cc/mcc | 229 | 1.110 | 0.104 | 0.105 | 0 | 105 |
| rehabilitation w/o cc/mcc | 67 | 1.623 | 0.485 | 0.186 | 0 | 32 |
| renal failure w cc | 5814 | 1.571 | 0.452 | 0.051 | 1 | 6,655 |
| renal failure w mcc | 1958 | 1.309 | 0.269 | 0.058 | 2 | 2,207 |
| renal failure w/o cc/mcc | 180 | 2.203 | 0.790 | 0.171 | 0 | 101 |
| respiratory infections & inflammations w cc | 294 | 0.899 | -0.107 | 0.078 | 5 | 38 |
| respiratory infections & inflammations w mcc | 482 | 0.911 | -0.093 | 0.066 | 6 | 78 |
| respiratory infections & inflammations w/o cc/mcc | 39 | 0.951 | -0.051 | 0.147 | 4 | 12 |
| respiratory neoplasms w cc | 20 | 1.470 | 0.385 | 0.204 | 0.5 | 17 |
| respiratory neoplasms w mcc | 6 | 1.127 | 0.120 | 0.225 | 2 | 4 |
| respiratory neoplasms w/o cc/mcc | 2 | 1.370 | 0.315 | 0.283 | 2 | 1 |
| respiratory system diagnosis w ventilator support <96 hours | 491 | 0.990 | -0.010 | 0.072 | 5 | 276 |
| respiratory system diagnosis w ventilator support 96+ hours | 70 | 1.238 | 0.214 | 0.106 | 8 | 211 |
| reticuloendothelial & immunity disorders w cc | 4 | 1.024 | 0.024 | 0.203 | 7 | 2 |
| reticuloendothelial & immunity disorders w mcc | 4 | 0.892 | -0.114 | 0.216 | 5 | 0 |
| reticuloendothelial & immunity disorders w/o cc/mcc | 2 | 1.340 | 0.292 | 0.287 | 1 | 1 |
| revision of hip or knee replacement w cc | 18 | 1.005 | 0.005 | 0.184 | 2 | 1 |
| revision of hip or knee replacement w/o cc/mcc | 20 | 1.151 | 0.141 | 0.194 | 2 | 3 |
| seizures w mcc | 40 | 1.440 | 0.365 | 0.180 | 1 | 34 |
| seizures w/o mcc | 201 | 1.959 | 0.673 | 0.160 | 0 | 120 |
| septicemia or severe sepsis w mv 96+ hours | 232 | 0.926 | -0.077 | 0.071 | 10 | 136 |
| septicemia or severe sepsis w/o mv 96+ hours w mcc | 11158 | 0.897 | -0.109 | 0.041 | 6 | 1,116 |
| septicemia or severe sepsis w/o mv 96+ hours w/o mcc | 2138 | 0.856 | -0.155 | 0.053 | 4 | -244 |
| septicemia w mv 96+ hours | 2 | 0.596 | -0.517 | 0.202 | 12.5 | -9 |
| septicemia w/o mv 96+ hours w mcc | 115 | 0.780 | -0.248 | 0.096 | 8 | -128 |
| septicemia w/o mv 96+ hours w/o mcc | 10 | 0.668 | -0.403 | 0.177 | 6 | -16 |
| shoulder,elbow or forearm proc,exc major joint proc w/o cc/mcc | 3 | 1.211 | 0.191 | 0.246 | 2 | 2 |
| signs & symptoms of musculoskeletal system & conn tissue w mcc | 2 | 0.922 | -0.081 | 0.206 | 15 | 0 |
| signs & symptoms of musculoskeletal system & conn tissue w/o mcc | 2 | 1.694 | 0.527 | 0.318 | 0 | 1 |
| signs & symptoms w mcc | 6 | 1.314 | 0.273 | 0.255 | 0.5 | 2 |
| signs & symptoms w/o mcc | 114 | 1.222 | 0.200 | 0.152 | 0 | 46 |
| simple pneumonia & pleurisy age >17 w cc | 6 | 0.900 | -0.105 | 0.204 | 4 | 0 |
| simple pneumonia & pleurisy w cc | 3000 | 0.914 | -0.090 | 0.049 | 4 | 479 |
| simple pneumonia & pleurisy w mcc | 2290 | 0.918 | -0.086 | 0.049 | 5 | 313 |
| simple pneumonia & pleurisy w/o cc/mcc | 902 | 0.900 | -0.106 | 0.066 | 3 | 72 |
| skin debridement w cc | 2 | 0.985 | -0.015 | 0.264 | 3 | 1 |
| skin graft &/or debrid for skn ulcer or cellulitis w mcc | 2 | 1.284 | 0.250 | 0.244 | 5.5 | 4 |
| skin graft exc for skin ulcer or cellulitis w/o cc/mcc | 2 | 0.974 | -0.026 | 0.274 | 2 | 0 |
| skin ulcers w mcc | 6 | 0.897 | -0.108 | 0.192 | 4 | 0 |
| spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w cc | 2 | 0.986 | -0.014 | 0.231 | 6 | 0 |
| spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o cc/mcc | 2 | 0.989 | -0.011 | 0.235 | 5.5 | 0 |
| spinal fusion except cervical w/o mcc | 104 | 1.030 | 0.030 | 0.135 | 2 | 10 |
| spinal procedures w cc or spinal neurostimulators | 2 | 0.920 | -0.083 | 0.216 | 9 | 0 |
| spinal procedures w/o cc/mcc | 2 | 1.386 | 0.326 | 0.271 | 2 | 2 |
| stomach, esophageal & duodenal proc w/o cc/mcc | 6 | 1.203 | 0.185 | 0.239 | 1.5 | 2 |
| syncope & collapse | 1000 | 1.907 | 0.646 | 0.099 | 0 | 644 |
| tendonitis, myositis & bursitis w mcc | 2 | 1.486 | 0.396 | 0.292 | 1.5 | 2 |
| tendonitis, myositis & bursitis w/o mcc | 66 | 1.795 | 0.585 | 0.183 | 0 | 47 |
| testes procedures w/o cc/mcc | 5 | 1.298 | 0.261 | 0.270 | 1 | 1 |
| thyroid, parathyroid & thyroglossal procedures w/o cc/mcc | 2 | 1.343 | 0.295 | 0.334 | 0.5 | 0 |
| tonsillectomy &/or adenoidectomy only, age >17 | 7 | 1.124 | 0.117 | 0.238 | 1 | 2 |
| trach w mv 96+ hrs or pdx exc face, mouth & neck w/o maj o.r. | 2 | 0.975 | -0.025 | 0.206 | 13 | 3 |
| transient ischemia | 786 | 2.524 | 0.926 | 0.124 | 0 | 439 |
| trauma to the skin, subcut tiss & breast w/o mcc | 4 | 1.615 | 0.479 | 0.302 | 0 | 1 |
| traumatic injury w mcc | 2 | 1.579 | 0.457 | 0.326 | 0 | 1 |
| traumatic injury w/o mcc | 2 | 1.518 | 0.417 | 0.287 | 2 | 3 |
| traumatic stupor & coma, coma <1 hr w cc | 16 | 1.788 | 0.581 | 0.230 | 0 | 13 |
| traumatic stupor & coma, coma <1 hr w/o cc/mcc | 18 | 1.952 | 0.669 | 0.245 | 0 | 9 |
| uncomplicated peptic ulcer w/o mcc | 7 | 1.324 | 0.281 | 0.249 | 0 | 3 |
| ungroupable | 4 | 1.256 | 0.228 | 0.200 | 6 | 5 |
| upper limb & toe amputation for circ system disorders w mcc | 2 | 0.947 | -0.054 | 0.217 | 15.5 | 0 |
| urinary stones w esw lithotripsy w cc/mcc | 2 | 1.091 | 0.088 | 0.302 | 1.5 | 1 |
| urinary stones w/o esw lithotripsy w/o mcc | 145 | 1.172 | 0.159 | 0.148 | 1 | 44 |
| uterine & adnexa proc for non-malignancy w cc/mcc | 23 | 1.191 | 0.175 | 0.184 | 1 | 10 |
| uterine & adnexa proc for non-malignancy w/o cc/mcc | 431 | 1.057 | 0.056 | 0.109 | 1 | 29 |
| uterine & adnexa proc for ovarian or adnexal malignancy w cc | 4 | 1.183 | 0.168 | 0.224 | 4 | 3 |
| uterine,adnexa proc for non-ovarian/adnexal malig w cc | 9 | 1.323 | 0.280 | 0.227 | 1 | 4 |
| uterine,adnexa proc for non-ovarian/adnexal malig w/o cc/mcc | 20 | 1.187 | 0.171 | 0.200 | 1 | 4 |
| vagina, cervix & vulva procedures w/o cc/mcc | 4 | 1.126 | 0.119 | 0.262 | 1 | 0 |
| ventricular shunt procedures w cc | 2 | 1.073 | 0.070 | 0.240 | 5.5 | 3 |
| ventricular shunt procedures w/o cc/mcc | 2 | 1.211 | 0.191 | 0.284 | 2 | 1 |
| viral illness w mcc | 2 | 1.021 | 0.021 | 0.290 | 2 | 1 |
| viral illness w/o mcc | 16 | 1.244 | 0.218 | 0.210 | 2 | 9 |
| viral meningitis w cc/mcc | 4 | 0.978 | -0.022 | 0.231 | 3.5 | 1 |
| viral meningitis w/o cc/mcc | 37 | 1.094 | 0.090 | 0.172 | 2 | 14 |

**eTable 3: Impact of urine culture sent on day 1 of hospital admission on hospital length of stay**

| **MS-DRG Description** | **Frequency** | **Predicted Impact on LOS** | **Standard Error** | **Predicted  Impact on Bed Days of Care** |
| --- | --- | --- | --- | --- |
| abortion w d&c, aspiration curettage or hysterotomy | 43 | 0.078 | 0.041 | 4 |
| abortion w/o d&c | 35 | 0.060 | 0.042 | 4 |
| acute & subacute endocarditis w cc | 4 | 0.043 | 0.046 | 1 |
| acute & subacute endocarditis w mcc | 6 | 0.036 | 0.045 | 0 |
| acute adjustment reaction & psychosocial dysfunction | 29 | 0.017 | 0.042 | 2 |
| acute ischemic stroke w use of thrombolytic agent w cc | 6 | 0.019 | 0.045 | 0 |
| acute ischemic stroke w use of thrombolytic agent w mcc | 2 | -0.022 | 0.048 | 0 |
| acute leukemia w/o major o.r. procedure w cc | 5 | 0.067 | 0.045 | 1 |
| acute leukemia w/o major o.r. procedure w mcc | 2 | 0.056 | 0.048 | 1 |
| acute myocardial infarction, discharged alive w cc | 163 | 0.035 | 0.039 | 11 |
| acute myocardial infarction, discharged alive w mcc | 529 | -0.002 | 0.035 | -30 |
| acute myocardial infarction, discharged alive w/o cc/mcc | 44 | 0.050 | 0.041 | 4 |
| admit for renal dialysis | 8 | 0.097 | 0.044 | 1 |
| aftercare, musculoskeletal system & connective tissue w cc | 4 | 0.025 | 0.046 | 0 |
| aftercare, musculoskeletal system & connective tissue w mcc | 2 | 0.001 | 0.048 | -1 |
| aftercare, musculoskeletal system & connective tissue w/o cc/mcc | 2 | 0.034 | 0.048 | 0 |
| aicd generator procedures | 2 | -0.003 | 0.048 | 0 |
| alcohol/drug abuse or dependence w rehabilitation therapy | 65 | -0.029 | 0.041 | -1 |
| alcohol/drug abuse or dependence w/o rehabilitation therapy w mcc | 14 | -0.013 | 0.043 | -1 |
| alcohol/drug abuse or dependence w/o rehabilitation therapy w/o mcc | 1117 | -0.015 | 0.032 | -85 |
| alcohol/drug abuse or dependence, left ama | 51 | 0.054 | 0.041 | 6 |
| allergic reactions w mcc | 4 | 0.022 | 0.046 | 0 |
| allergic reactions w/o mcc | 2 | 0.040 | 0.048 | 0 |
| amputat of lower limb for endocrine,nutrit,& metabol dis w cc | 17 | -0.012 | 0.043 | -2 |
| anal & stomal procedures w cc | 9 | 0.010 | 0.044 | 1 |
| anal & stomal procedures w mcc | 3 | 0.012 | 0.047 | 1 |
| anal & stomal procedures w/o cc/mcc | 43 | 0.047 | 0.041 | 6 |
| appendectomy w complicated principal diag w cc | 17 | -0.016 | 0.043 | -2 |
| appendectomy w complicated principal diag w/o cc/mcc | 128 | 0.017 | 0.040 | 10 |
| appendectomy w/o complicated principal diag w cc | 30 | 0.075 | 0.042 | 3 |
| appendectomy w/o complicated principal diag w mcc | 2 | 0.034 | 0.048 | 0 |
| appendectomy w/o complicated principal diag w/o cc/mcc | 2916 | 0.044 | 0.026 | 191 |
| atherosclerosis w/o mcc | 34 | 0.068 | 0.041 | 3 |
| autologous bone marrow transplant w cc/mcc | 2 | -0.049 | 0.048 | -1 |
| back & neck proc exc spinal fusion w/o cc/mcc | 125 | 0.059 | 0.039 | 17 |
| bacterial & tuberculous infections of nervous system w cc | 4 | 0.024 | 0.046 | 1 |
| behavioral & developmental disorders | 3 | -0.049 | 0.047 | -2 |
| benign prostatic hypertrophy w/o mcc | 4 | 0.045 | 0.046 | 0 |
| bilateral or multiple major joint procs of lower extremity w/o mcc | 19 | 0.015 | 0.042 | -1 |
| biopsies of musculoskeletal system & connective tissue w cc | 7 | 0.002 | 0.045 | 1 |
| bone diseases & arthropathies w/o mcc | 37 | 0.049 | 0.041 | 4 |
| bronchitis & asthma w cc/mcc | 144 | 0.053 | 0.039 | 21 |
| bronchitis & asthma w/o cc/mcc | 125 | 0.040 | 0.040 | 15 |
| cardiac arrhythmia & conduction disorders w cc | 657 | 0.031 | 0.034 | 45 |
| cardiac arrhythmia & conduction disorders w mcc | 483 | 0.049 | 0.035 | 101 |
| cardiac arrhythmia & conduction disorders w/o cc/mcc | 491 | 0.009 | 0.035 | 4 |
| cardiac congenital & valvular disorders w mcc | 4 | 0.041 | 0.046 | 1 |
| cardiac congenital & valvular disorders w/o mcc | 2 | 0.048 | 0.048 | 0 |
| cardiac defib implant w cardiac cath w ami/hf/shock w mcc | 2 | 0.017 | 0.048 | 0 |
| cardiac valve & oth maj cardiothoracic proc w card cath w cc | 2 | -0.001 | 0.048 | 0 |
| cardiac valve & oth maj cardiothoracic proc w card cath w mcc | 2 | -0.008 | 0.048 | 0 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w cc | 27 | -0.027 | 0.042 | -5 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w mcc | 12 | -0.014 | 0.043 | -3 |
| cardiac valve & oth maj cardiothoracic proc w/o card cath w/o cc/mcc | 2 | 0.000 | 0.048 | 0 |
| carotid artery stent procedure w/o cc/mcc | 4 | 0.063 | 0.046 | 0 |
| cellulitis w mcc | 79 | 0.016 | 0.040 | 4 |
| cellulitis w/o mcc | 1469 | 0.040 | 0.029 | 182 |
| cervical spinal fusion w cc | 4 | 0.019 | 0.046 | 0 |
| cervical spinal fusion w/o cc/mcc | 80 | 0.074 | 0.040 | 9 |
| chemo w acute leukemia as sdx or w high dose chemo agent w mcc | 9 | -0.055 | 0.044 | -5 |
| chemo w acute leukemia as sdx w cc or high dose chemo agent | 2 | 0.009 | 0.048 | 0 |
| chemo w acute leukemia as sdx w/o cc/mcc | 44 | -0.007 | 0.041 | 0 |
| chemotherapy w/o acute leukemia as secondary diagnosis w cc | 435 | 0.061 | 0.036 | 111 |
| chemotherapy w/o acute leukemia as secondary diagnosis w mcc | 43 | -0.014 | 0.041 | -7 |
| chemotherapy w/o acute leukemia as secondary diagnosis w/o cc/mcc | 8 | 0.025 | 0.044 | 1 |
| chest pain | 709 | 0.056 | 0.034 | 46 |
| chronic obstructive pulmonary disease w cc | 872 | 0.027 | 0.032 | 67 |
| chronic obstructive pulmonary disease w mcc | 1691 | 0.045 | 0.028 | 308 |
| chronic obstructive pulmonary disease w/o cc/mcc | 465 | 0.053 | 0.036 | 65 |
| circulatory disorders except ami, w card cath w mcc | 8 | -0.002 | 0.044 | -1 |
| circulatory disorders except ami, w card cath w/o mcc | 126 | 0.046 | 0.039 | 14 |
| cirrhosis & alcoholic hepatitis w cc | 104 | 0.041 | 0.040 | 12 |
| cirrhosis & alcoholic hepatitis w mcc | 106 | 0.065 | 0.040 | 27 |
| coagulation disorders | 16 | 0.017 | 0.043 | 1 |
| complicated peptic ulcer w cc | 4 | 0.002 | 0.046 | 0 |
| complicated peptic ulcer w mcc | 3 | 0.044 | 0.047 | 0 |
| complications of treatment w cc | 8 | 0.020 | 0.044 | 1 |
| complications of treatment w mcc | 16 | 0.007 | 0.043 | 0 |
| complications of treatment w/o cc/mcc | 2 | 0.030 | 0.048 | 0 |
| connective tissue disorders w cc | 28 | 0.019 | 0.042 | 1 |
| connective tissue disorders w mcc | 4 | 0.045 | 0.046 | 1 |
| connective tissue disorders w/o cc/mcc | 16 | 0.052 | 0.043 | 1 |
| coronary bypass w cardiac cath w mcc | 18 | -0.015 | 0.043 | -4 |
| coronary bypass w cardiac cath w/o mcc | 88 | -0.045 | 0.040 | -28 |
| coronary bypass w/o cardiac cath w mcc | 23 | -0.021 | 0.042 | -5 |
| coronary bypass w/o cardiac cath w/o mcc | 95 | -0.038 | 0.040 | -28 |
| cranial & peripheral nerve disorders w mcc | 52 | 0.051 | 0.041 | 9 |
| cranial & peripheral nerve disorders w/o mcc | 199 | 0.023 | 0.038 | 12 |
| cranio w major dev impl/acute complex cns pdx w mcc or chemo implant | 2 | -0.017 | 0.048 | -1 |
| craniotomy & endovascular intracranial procedures w cc | 6 | 0.013 | 0.045 | 0 |
| craniotomy & endovascular intracranial procedures w mcc | 8 | -0.018 | 0.044 | -2 |
| craniotomy & endovascular intracranial procedures w/o cc/mcc | 46 | 0.013 | 0.041 | 2 |
| d&c, conization, laparoscopy & tubal interruption w/o cc/mcc | 4 | 0.013 | 0.046 | 0 |
| deep vein thrombophlebitis w cc/mcc | 2 | 0.034 | 0.048 | 0 |
| degenerative nervous system disorders w mcc | 16 | 0.023 | 0.043 | 1 |
| degenerative nervous system disorders w/o mcc | 198 | -0.044 | 0.039 | -56 |
| depressive neuroses | 385 | 0.016 | 0.037 | 51 |
| diabetes w cc | 750 | 0.022 | 0.033 | 43 |
| diabetes w mcc | 122 | 0.029 | 0.040 | 11 |
| diabetes w/o cc/mcc | 683 | 0.036 | 0.034 | 47 |
| digestive malignancy w cc | 10 | 0.001 | 0.044 | 0 |
| digestive malignancy w mcc | 6 | 0.031 | 0.045 | 0 |
| disorders of liver except malig,cirr,alc hepa w cc | 249 | 0.046 | 0.038 | 34 |
| disorders of liver except malig,cirr,alc hepa w mcc | 76 | 0.043 | 0.040 | 16 |
| disorders of liver except malig,cirr,alc hepa w/o cc/mcc | 19 | 0.048 | 0.042 | 3 |
| disorders of pancreas except malignancy w cc | 332 | 0.014 | 0.037 | 18 |
| disorders of pancreas except malignancy w mcc | 37 | 0.012 | 0.041 | 2 |
| disorders of pancreas except malignancy w/o cc/mcc | 411 | 0.033 | 0.036 | 47 |
| disorders of personality & impulse control | 8 | 0.002 | 0.044 | -1 |
| disorders of the biliary tract w cc | 8 | 0.034 | 0.044 | 0 |
| disorders of the biliary tract w/o cc/mcc | 6 | 0.028 | 0.045 | 1 |
| dysequilibrium | 47 | 0.051 | 0.041 | 4 |
| ear, nose, mouth & throat malignancy | 13 | 0.031 | 0.043 | 2 |
| ecmo or trach w mv 96+ hrs or pdx exc face, mouth & neck w maj o.r. | 2 | -0.034 | 0.048 | -1 |
| ectopic pregnancy | 273 | 0.056 | 0.038 | 38 |
| endocrine disorders w cc | 26 | 0.024 | 0.042 | 0 |
| endocrine disorders w mcc | 10 | 0.014 | 0.044 | 0 |
| endocrine disorders w/o cc/mcc | 8 | 0.036 | 0.044 | 1 |
| endovascular cardiac valve replacement w mcc | 6 | 0.000 | 0.045 | 0 |
| epistaxis | 2 | 0.043 | 0.048 | 0 |
| epistaxis w/o mcc | 2 | 0.028 | 0.048 | 0 |
| esophagitis, gastroent & misc digest disorders w mcc | 44 | 0.036 | 0.041 | 6 |
| esophagitis, gastroent & misc digest disorders w/o mcc | 3090 | 0.020 | 0.025 | 198 |
| extensive o.r. procedure unrelated to principal diagnosis w cc | 2 | -0.009 | 0.048 | 0 |
| extensive o.r. procedure unrelated to principal diagnosis w mcc | 4 | 0.020 | 0.046 | 1 |
| extracranial procedures w cc | 8 | 0.013 | 0.044 | 0 |
| extracranial procedures w mcc | 2 | 0.032 | 0.048 | 0 |
| extracranial procedures w/o cc/mcc | 114 | 0.090 | 0.040 | 11 |
| fever | 52 | 0.038 | 0.041 | 4 |
| foot procedures w cc | 2 | 0.028 | 0.048 | 0 |
| fractures of femur w/o mcc | 2 | 0.034 | 0.048 | 1 |
| fractures of hip & pelvis w mcc | 2 | 0.017 | 0.048 | 0 |
| fractures of hip & pelvis w/o mcc | 102 | 0.023 | 0.040 | 7 |
| fx, sprn, strn & disl except femur, hip, pelvis & thigh w/o mcc | 20 | 0.026 | 0.042 | 0 |
| g.i. hemorrhage w cc | 423 | 0.010 | 0.036 | 7 |
| g.i. hemorrhage w mcc | 102 | 0.021 | 0.040 | 17 |
| g.i. hemorrhage w/o cc/mcc | 37 | 0.039 | 0.041 | 3 |
| g.i. obstruction w cc | 260 | 0.010 | 0.038 | 9 |
| g.i. obstruction w mcc | 20 | 0.024 | 0.042 | 2 |
| g.i. obstruction w/o cc/mcc | 411 | 0.048 | 0.036 | 52 |
| hand procedures for injuries | 4 | 0.047 | 0.046 | 1 |
| headaches w/o mcc | 71 | 0.032 | 0.040 | 3 |
| heart failure & shock w cc | 1899 | 0.003 | 0.028 | -11 |
| heart failure & shock w mcc | 2180 | 0.004 | 0.027 | -18 |
| heart failure & shock w/o cc/mcc | 266 | 0.046 | 0.038 | 26 |
| hernia procedures except inguinal & femoral w cc | 2 | 0.026 | 0.048 | 0 |
| hernia procedures except inguinal & femoral w/o cc/mcc | 4 | 0.032 | 0.046 | 1 |
| hip & femur procedures except major joint w cc | 662 | -0.023 | 0.034 | -71 |
| hip & femur procedures except major joint w mcc | 41 | 0.008 | 0.041 | 2 |
| hip & femur procedures except major joint w/o cc/mcc | 41 | 0.005 | 0.041 | 2 |
| hiv w major related condition w cc | 48 | 0.019 | 0.041 | 5 |
| hiv w major related condition w mcc | 61 | 0.005 | 0.041 | 0 |
| hiv w major related condition w/o cc/mcc | 36 | 0.030 | 0.041 | 6 |
| hiv w or w/o other related condition | 18 | 0.035 | 0.043 | 2 |
| hypertension w mcc | 4 | 0.055 | 0.046 | 0 |
| hypertension w/o mcc | 188 | 0.052 | 0.039 | 16 |
| hypertensive encephalopathy w cc | 8 | 0.017 | 0.044 | 0 |
| hypertensive encephalopathy w/o cc/mcc | 2 | 0.024 | 0.048 | 0 |
| inborn and other disorders of metabolism | 44 | 0.017 | 0.041 | 1 |
| infections, female reproductive system w mcc | 2 | -0.007 | 0.048 | 0 |
| infections, female reproductive system w/o cc/mcc | 40 | 0.029 | 0.041 | 3 |
| infectious & parasitic diseases w o.r. procedure w cc | 28 | -0.008 | 0.042 | -3 |
| infectious & parasitic diseases w o.r. procedure w mcc | 205 | -0.027 | 0.038 | -68 |
| inflammation of the male reproductive system w mcc | 2 | 0.018 | 0.048 | 0 |
| inflammation of the male reproductive system w/o mcc | 30 | 0.037 | 0.042 | 4 |
| inflammatory bowel disease w cc | 110 | 0.028 | 0.040 | 10 |
| inflammatory bowel disease w mcc | 8 | -0.004 | 0.044 | -1 |
| inflammatory bowel disease w/o cc/mcc | 69 | 0.008 | 0.041 | 3 |
| inguinal & femoral hernia procedures w/o cc/mcc | 19 | 0.057 | 0.042 | 2 |
| interstitial lung disease w cc | 14 | 0.003 | 0.043 | 0 |
| interstitial lung disease w mcc | 14 | 0.056 | 0.043 | 3 |
| intracranial hemorrhage or cerebral infarction w cc | 598 | -0.004 | 0.034 | -22 |
| intracranial hemorrhage or cerebral infarction w cc or tpa in 24 hrs | 535 | 0.035 | 0.035 | 62 |
| intracranial hemorrhage or cerebral infarction w mcc | 340 | 0.018 | 0.037 | 10 |
| intracranial hemorrhage or cerebral infarction w/o cc/mcc | 432 | 0.050 | 0.036 | 53 |
| intracranial vascular procedures w pdx hemorrhage w cc | 2 | -0.049 | 0.048 | -1 |
| intracranial vascular procedures w pdx hemorrhage w mcc | 2 | -0.021 | 0.048 | 0 |
| kidney & urinary tract infections w mcc | 1529 | 0.059 | 0.029 | 367 |
| kidney & urinary tract infections w/o mcc | 4198 | 0.109 | 0.023 | 1,437 |
| kidney & urinary tract signs & symptoms w/o mcc | 2 | 0.008 | 0.048 | 0 |
| knee procedures w/o pdx of infection w/o cc/mcc | 4 | 0.030 | 0.046 | 1 |
| laparoscopic cholecystectomy w/o c.d.e. w cc | 127 | 0.045 | 0.040 | 16 |
| laparoscopic cholecystectomy w/o c.d.e. w mcc | 6 | 0.002 | 0.045 | 1 |
| laparoscopic cholecystectomy w/o c.d.e. w/o cc/mcc | 1876 | 0.062 | 0.028 | 237 |
| limb reattachment, hip & femur proc for multiple significant trauma | 2 | 0.019 | 0.048 | 1 |
| local excision & removal int fix devices exc hip & femur w mcc | 2 | -0.024 | 0.048 | 0 |
| lower extrem & humer proc except hip,foot,femur w cc | 6 | 0.024 | 0.045 | 1 |
| lower extrem & humer proc except hip,foot,femur w/o cc/mcc | 27 | 0.013 | 0.042 | 2 |
| lymphoma & non-acute leukemia w cc | 10 | 0.005 | 0.044 | 0 |
| lymphoma & non-acute leukemia w mcc | 4 | -0.005 | 0.046 | 0 |
| major cardiovasc procedures w mcc | 6 | 0.013 | 0.045 | 1 |
| major cardiovasc procedures w/o mcc | 62 | 0.065 | 0.041 | 4 |
| major chest procedures w cc | 6 | -0.002 | 0.045 | 0 |
| major chest procedures w mcc | 6 | -0.011 | 0.045 | -2 |
| major chest procedures w/o cc/mcc | 4 | -0.028 | 0.046 | -1 |
| major chest trauma w cc | 12 | 0.034 | 0.043 | 1 |
| major esophageal disorders w cc | 6 | 0.021 | 0.045 | 0 |
| major esophageal disorders w mcc | 2 | 0.021 | 0.048 | 1 |
| major gastrointestinal disorders & peritoneal infections w cc | 273 | 0.049 | 0.038 | 62 |
| major gastrointestinal disorders & peritoneal infections w mcc | 95 | 0.024 | 0.040 | 10 |
| major gastrointestinal disorders & peritoneal infections w/o cc/mcc | 65 | 0.026 | 0.041 | 3 |
| major hematol/immun diag exc sickle cell crisis & coagul w cc | 79 | 0.024 | 0.040 | 9 |
| major hematol/immun diag exc sickle cell crisis & coagul w mcc | 4 | 0.026 | 0.046 | 1 |
| major hematol/immun diag exc sickle cell crisis & coagul w/o cc/mcc | 6 | 0.026 | 0.045 | 0 |
| major joint & limb reattachment proc of upper extremity w cc/mcc | 8 | 0.065 | 0.044 | 1 |
| major joint & limb reattachment proc of upper extremity w/o cc/mcc | 19 | 0.060 | 0.042 | 2 |
| major joint replacement or reattachment of lower extremity w mcc | 14 | -0.014 | 0.043 | -1 |
| major joint replacement or reattachment of lower extremity w/o mcc | 6214 | 0.045 | 0.022 | 875 |
| major joint/limb reattachment procedure of upper extremities | 2 | 0.038 | 0.048 | 0 |
| major skin disorders w/o mcc | 3 | 0.029 | 0.047 | 0 |
| major small & large bowel procedures w cc | 11 | -0.025 | 0.043 | -3 |
| major small & large bowel procedures w mcc | 10 | -0.043 | 0.044 | -3 |
| major small & large bowel procedures w/o cc/mcc | 10 | 0.022 | 0.044 | 1 |
| malignancy of hepatobiliary system or pancreas w cc | 20 | 0.006 | 0.042 | 0 |
| malignancy of hepatobiliary system or pancreas w mcc | 16 | 0.014 | 0.043 | 1 |
| malignancy, female reproductive system w cc | 4 | 0.023 | 0.046 | 0 |
| malignancy, female reproductive system w mcc | 2 | -0.003 | 0.048 | 0 |
| malignancy, male reproductive system w cc | 2 | 0.032 | 0.048 | 0 |
| medical back problems w mcc | 6 | -0.001 | 0.045 | -1 |
| medical back problems w/o mcc | 150 | 0.005 | 0.039 | 2 |
| menstrual & other female reproductive system disorders w cc/mcc | 6 | 0.056 | 0.045 | 1 |
| menstrual & other female reproductive system disorders w/o cc/mcc | 32 | 0.045 | 0.042 | 3 |
| minor skin disorders w/o mcc | 10 | 0.046 | 0.044 | 1 |
| minor small & large bowel procedures w/o cc/mcc | 4 | 0.023 | 0.046 | 0 |
| misc disorders of nutrition,metabolism,fluids/electrolytes w mcc | 147 | 0.115 | 0.039 | 37 |
| misc disorders of nutrition,metabolism,fluids/electrolytes w/o mcc | 698 | 0.035 | 0.034 | 58 |
| multiple sclerosis & cerebellar ataxia w cc | 29 | 0.003 | 0.042 | 1 |
| multiple sclerosis & cerebellar ataxia w/o cc/mcc | 79 | 0.018 | 0.040 | 6 |
| nervous system neoplasms w mcc | 26 | 0.029 | 0.042 | 3 |
| nervous system neoplasms w/o mcc | 10 | 0.012 | 0.044 | 0 |
| neuroses except depressive | 25 | 0.007 | 0.042 | -1 |
| no longer valid | 2 | -0.019 | 0.048 | 0 |
| non-bacterial infect of nervous sys exc viral meningitis w/o cc/mcc | 2 | 0.013 | 0.048 | 0 |
| non-extensive burns | 2 | 0.001 | 0.048 | 0 |
| non-extensive o.r. proc unrelated to principal diagnosis w cc | 2 | 0.057 | 0.048 | 0 |
| non-malignant breast disorders w cc/mcc | 4 | 0.040 | 0.046 | 1 |
| non-malignant breast disorders w/o cc/mcc | 14 | 0.028 | 0.043 | 1 |
| nonspecific cerebrovascular disorders w cc | 55 | 0.032 | 0.041 | 7 |
| nonspecific cerebrovascular disorders w mcc | 28 | 0.029 | 0.042 | 1 |
| nonspecific cerebrovascular disorders w/o cc/mcc | 10 | 0.059 | 0.044 | 1 |
| nonspecific cva & precerebral occlusion w/o infarct w/o mcc | 5 | 0.022 | 0.045 | 0 |
| nontraumatic stupor & coma w/o mcc | 5 | 0.083 | 0.045 | 1 |
| not found | 2 | 0.005 | 0.048 | 0 |
| not specified code | 16 | -0.039 | 0.044 | -8 |
| nutritional & misc metabolic disorders w mcc | 18 | 0.052 | 0.042 | 3 |
| nutritional & misc metabolic disorders w/o mcc | 87 | 0.064 | 0.040 | 12 |
| o.r. proc w diagnoses of other contact w health services w cc | 3 | 0.080 | 0.047 | 0 |
| o.r. procedures for obesity w cc | 6 | 0.050 | 0.045 | 1 |
| o.r. procedures for obesity w/o cc/mcc | 340 | 0.067 | 0.037 | 38 |
| organic disturbances & mental retardation | 38 | -0.034 | 0.041 | -11 |
| osteomyelitis w cc | 5 | 0.000 | 0.045 | 0 |
| osteomyelitis w/o cc/mcc | 2 | 0.002 | 0.048 | 0 |
| other circulatory system diagnoses w cc | 20 | 0.016 | 0.042 | 0 |
| other circulatory system diagnoses w mcc | 137 | 0.008 | 0.039 | 0 |
| other circulatory system diagnoses w/o cc/mcc | 4 | 0.041 | 0.046 | 0 |
| other circulatory system o.r. procedures | 2 | -0.007 | 0.048 | 0 |
| other digestive system diagnoses w cc | 76 | 0.023 | 0.040 | 6 |
| other digestive system diagnoses w mcc | 12 | 0.021 | 0.043 | 1 |
| other digestive system diagnoses w/o cc/mcc | 43 | 0.043 | 0.041 | 6 |
| other disorders of nervous system w cc | 33 | 0.034 | 0.042 | 2 |
| other disorders of nervous system w mcc | 14 | 0.039 | 0.043 | 2 |
| other disorders of nervous system w/o cc/mcc | 13 | 0.048 | 0.043 | 1 |
| other ear, nose, mouth & throat diagnoses age 0-17 | 4 | 0.014 | 0.046 | 0 |
| other endocrine, nutrit & metab o.r. proc w cc | 8 | -0.009 | 0.044 | 1 |
| other infectious & parasitic diseases diagnoses w mcc | 2 | 0.030 | 0.048 | 0 |
| other kidney & urinary tract diagnoses w cc | 80 | 0.039 | 0.040 | 9 |
| other kidney & urinary tract diagnoses w mcc | 153 | 0.018 | 0.039 | 12 |
| other kidney & urinary tract diagnoses w/o cc/mcc | 12 | 0.020 | 0.043 | 0 |
| other kidney & urinary tract procedures w cc | 4 | 0.023 | 0.046 | 0 |
| other kidney & urinary tract procedures w mcc | 4 | -0.008 | 0.046 | -1 |
| other multiple significant trauma w cc | 2 | -0.017 | 0.048 | 0 |
| other multiple significant trauma w mcc | 2 | -0.001 | 0.048 | 0 |
| other musculoskelet sys & conn tiss o.r. proc w cc | 16 | -0.006 | 0.043 | -2 |
| other musculoskelet sys & conn tiss o.r. proc w/o cc/mcc | 2 | 0.016 | 0.048 | 0 |
| other musculoskeletal sys & connective tissue diagnoses w cc | 4 | 0.002 | 0.046 | 0 |
| other myeloprolif dis or poorly diff neopl diag w cc | 2 | 0.018 | 0.048 | 0 |
| other o.r. procedures for injuries w cc | 4 | 0.008 | 0.046 | 0 |
| other o.r. procedures for injuries w mcc | 2 | 0.012 | 0.048 | 0 |
| other o.r. procedures for injuries w/o cc/mcc | 2 | 0.031 | 0.048 | 0 |
| other resp system o.r. procedures w cc | 8 | 0.008 | 0.044 | 0 |
| other resp system o.r. procedures w mcc | 6 | 0.005 | 0.045 | 0 |
| other respiratory system diagnoses w mcc | 2 | 0.036 | 0.048 | 0 |
| other respiratory system diagnoses w/o mcc | 14 | 0.045 | 0.043 | 1 |
| other skin, subcut tiss & breast proc w cc | 6 | -0.040 | 0.045 | 0 |
| other skin, subcut tiss & breast proc w mcc | 2 | 0.031 | 0.048 | 0 |
| other skin, subcut tiss & breast proc w/o cc/mcc | 13 | 0.044 | 0.043 | 1 |
| other vascular procedures w cc | 24 | -0.017 | 0.042 | -5 |
| other vascular procedures w mcc | 8 | 0.017 | 0.044 | 0 |
| other vascular procedures w/o cc/mcc | 24 | 0.022 | 0.042 | -1 |
| otitis media & uri age >17 w/o cc | 8 | 0.053 | 0.044 | 1 |
| otitis media & uri age 0-17 | 2 | 0.027 | 0.048 | 0 |
| otitis media & uri w mcc | 12 | 0.022 | 0.043 | 0 |
| otitis media & uri w/o mcc | 31 | 0.067 | 0.042 | 5 |
| pancreas, liver & shunt procedures w cc | 4 | -0.029 | 0.046 | -1 |
| pathological fractures & musculoskelet & conn tiss malig w cc | 18 | 0.011 | 0.043 | 0 |
| pathological fractures & musculoskelet & conn tiss malig w mcc | 4 | 0.020 | 0.046 | 0 |
| pathological fractures & musculoskelet & conn tiss malig w/o cc/mcc | 8 | 0.015 | 0.044 | 0 |
| penis procedures w cc/mcc | 2 | 0.026 | 0.048 | 0 |
| perc cardiovasc proc w drug-eluting stent w mcc or 4+ vessels/stents | 35 | 0.024 | 0.041 | 4 |
| perc cardiovasc proc w drug-eluting stent w/o mcc | 266 | 0.056 | 0.038 | 29 |
| perc cardiovasc proc w/o coronary artery stent w mcc | 2 | 0.021 | 0.048 | 0 |
| perc cardiovasc proc w/o coronary artery stent w/o mcc | 15 | 0.043 | 0.043 | 2 |
| periph/cranial nerve & other nerv syst proc w cc or periph neurostim | 2 | 0.025 | 0.048 | 1 |
| peripheral vascular disorders w cc | 40 | 0.039 | 0.041 | 5 |
| peripheral vascular disorders w mcc | 14 | 0.027 | 0.043 | 2 |
| peripheral vascular disorders w/o cc/mcc | 13 | 0.034 | 0.043 | 2 |
| peritoneal adhesiolysis w cc | 18 | 0.039 | 0.042 | 2 |
| peritoneal adhesiolysis w/o cc/mcc | 10 | 0.006 | 0.044 | 1 |
| permanent cardiac pacemaker implant w cc | 35 | 0.021 | 0.041 | 3 |
| permanent cardiac pacemaker implant w mcc | 4 | 0.042 | 0.046 | 1 |
| permanent cardiac pacemaker implant w/o cc/mcc | 16 | 0.039 | 0.043 | 2 |
| pleural effusion w cc | 12 | 0.046 | 0.043 | 1 |
| pleural effusion w mcc | 15 | 0.019 | 0.043 | 0 |
| pleural effusion w/o cc/mcc | 4 | 0.023 | 0.046 | 0 |
| pneumothorax w cc | 10 | -0.004 | 0.044 | -1 |
| pneumothorax w/o cc/mcc | 2 | -0.025 | 0.048 | 0 |
| poisoning & toxic effects of drugs w mcc | 46 | 0.064 | 0.041 | 10 |
| poisoning & toxic effects of drugs w/o mcc | 61 | 0.063 | 0.041 | 8 |
| postoperative & post-traumatic infections w mcc | 40 | 0.006 | 0.041 | -1 |
| postoperative & post-traumatic infections w/o mcc | 95 | 0.030 | 0.040 | 10 |
| postoperative or post-traumatic infections w o.r. proc w cc | 10 | -0.033 | 0.044 | -3 |
| postoperative or post-traumatic infections w o.r. proc w mcc | 2 | -0.013 | 0.048 | -1 |
| postpartum & post abortion diagnoses w o.r. procedure | 2 | 0.061 | 0.048 | 0 |
| postpartum & post abortion diagnoses w/o o.r. procedure | 58 | 0.018 | 0.041 | 2 |
| psychoses | 3292 | -0.083 | 0.028 | -1,209 |
| pulmonary edema & respiratory failure | 1180 | 0.059 | 0.031 | 293 |
| pulmonary embolism w mcc | 43 | 0.002 | 0.041 | 0 |
| pulmonary embolism w/o mcc | 201 | 0.009 | 0.038 | 4 |
| rectal resection w/o cc/mcc | 2 | -0.002 | 0.048 | 0 |
| red blood cell disorders w mcc | 76 | 0.021 | 0.040 | 9 |
| red blood cell disorders w/o mcc | 1887 | -0.030 | 0.028 | -179 |
| rehabilitation w cc/mcc | 229 | -0.051 | 0.038 | -175 |
| rehabilitation w/o cc/mcc | 67 | -0.078 | 0.041 | -56 |
| renal failure w cc | 5814 | 0.032 | 0.021 | 706 |
| renal failure w mcc | 1958 | 0.029 | 0.028 | 291 |
| renal failure w/o cc/mcc | 180 | 0.046 | 0.039 | 22 |
| respiratory infections & inflammations w cc | 294 | 0.015 | 0.037 | 15 |
| respiratory infections & inflammations w mcc | 482 | 0.024 | 0.035 | 53 |
| respiratory infections & inflammations w/o cc/mcc | 39 | 0.013 | 0.041 | 2 |
| respiratory neoplasms w cc | 20 | 0.029 | 0.042 | 1 |
| respiratory neoplasms w mcc | 6 | 0.027 | 0.045 | 1 |
| respiratory neoplasms w/o cc/mcc | 2 | 0.031 | 0.048 | 0 |
| respiratory system diagnosis w ventilator support <96 hours | 491 | 0.034 | 0.035 | 87 |
| respiratory system diagnosis w ventilator support 96+ hours | 70 | -0.066 | 0.040 | -70 |
| reticuloendothelial & immunity disorders w cc | 4 | -0.012 | 0.046 | 0 |
| reticuloendothelial & immunity disorders w mcc | 4 | 0.044 | 0.046 | 1 |
| reticuloendothelial & immunity disorders w/o cc/mcc | 2 | 0.016 | 0.048 | 0 |
| revision of hip or knee replacement w cc | 18 | 0.001 | 0.043 | 0 |
| revision of hip or knee replacement w/o cc/mcc | 20 | 0.026 | 0.042 | 3 |
| seizures w mcc | 40 | 0.038 | 0.041 | 5 |
| seizures w/o mcc | 201 | 0.057 | 0.038 | 22 |
| septicemia or severe sepsis w mv 96+ hours | 232 | -0.028 | 0.038 | -93 |
| septicemia or severe sepsis w/o mv 96+ hours w mcc | 11158 | 0.021 | 0.018 | 821 |
| septicemia or severe sepsis w/o mv 96+ hours w/o mcc | 2138 | 0.020 | 0.027 | 93 |
| septicemia w mv 96+ hours | 2 | 0.002 | 0.048 | 0 |
| septicemia w/o mv 96+ hours w mcc | 115 | 0.044 | 0.040 | 36 |
| septicemia w/o mv 96+ hours w/o mcc | 10 | 0.019 | 0.044 | 1 |
| shoulder,elbow or forearm proc,exc major joint proc w/o cc/mcc | 3 | 0.010 | 0.047 | 0 |
| signs & symptoms of musculoskeletal system & conn tissue w mcc | 2 | -0.032 | 0.048 | 0 |
| signs & symptoms of musculoskeletal system & conn tissue w/o mcc | 2 | 0.028 | 0.048 | 0 |
| signs & symptoms w mcc | 6 | 0.059 | 0.045 | 1 |
| signs & symptoms w/o mcc | 114 | 0.027 | 0.040 | 7 |
| simple pneumonia & pleurisy age >17 w cc | 6 | 0.019 | 0.045 | 1 |
| simple pneumonia & pleurisy w cc | 3000 | 0.003 | 0.025 | 11 |
| simple pneumonia & pleurisy w mcc | 2290 | 0.008 | 0.027 | 47 |
| simple pneumonia & pleurisy w/o cc/mcc | 902 | 0.029 | 0.032 | 61 |
| skin debridement w cc | 2 | 0.040 | 0.048 | 0 |
| skin graft &/or debrid for skn ulcer or cellulitis w mcc | 2 | 0.011 | 0.048 | 0 |
| skin graft exc for skin ulcer or cellulitis w/o cc/mcc | 2 | 0.041 | 0.048 | 0 |
| skin ulcers w mcc | 6 | 0.017 | 0.045 | 1 |
| spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w cc | 2 | 0.006 | 0.048 | 0 |
| spinal fus exc cerv w spinal curv/malig/infec or 9+ fus w/o cc/mcc | 2 | 0.003 | 0.048 | 0 |
| spinal fusion except cervical w/o mcc | 104 | 0.017 | 0.040 | 8 |
| spinal procedures w cc or spinal neurostimulators | 2 | -0.018 | 0.048 | 0 |
| spinal procedures w/o cc/mcc | 2 | 0.004 | 0.048 | 0 |
| stomach, esophageal & duodenal proc w/o cc/mcc | 6 | 0.033 | 0.045 | 1 |
| syncope & collapse | 1000 | 0.039 | 0.032 | 66 |
| tendonitis, myositis & bursitis w mcc | 2 | 0.024 | 0.048 | 0 |
| tendonitis, myositis & bursitis w/o mcc | 66 | 0.018 | 0.041 | 4 |
| testes procedures w/o cc/mcc | 5 | 0.066 | 0.045 | 1 |
| thyroid, parathyroid & thyroglossal procedures w/o cc/mcc | 2 | 0.050 | 0.048 | 0 |
| tonsillectomy &/or adenoidectomy only, age >17 | 7 | 0.030 | 0.044 | 1 |
| trach w mv 96+ hrs or pdx exc face, mouth & neck w/o maj o.r. | 2 | -0.024 | 0.048 | 0 |
| transient ischemia | 786 | 0.053 | 0.033 | 79 |
| trauma to the skin, subcut tiss & breast w/o mcc | 4 | 0.063 | 0.046 | 0 |
| traumatic injury w mcc | 2 | 0.022 | 0.048 | 0 |
| traumatic injury w/o mcc | 2 | 0.018 | 0.048 | 0 |
| traumatic stupor & coma, coma <1 hr w cc | 16 | 0.032 | 0.043 | 1 |
| traumatic stupor & coma, coma <1 hr w/o cc/mcc | 18 | 0.053 | 0.043 | 2 |
| uncomplicated peptic ulcer w/o mcc | 7 | 0.019 | 0.045 | 1 |
| ungroupable | 4 | -0.076 | 0.046 | -2 |
| upper limb & toe amputation for circ system disorders w mcc | 2 | -0.008 | 0.048 | 0 |
| urinary stones w esw lithotripsy w cc/mcc | 2 | 0.058 | 0.048 | 0 |
| urinary stones w/o esw lithotripsy w/o mcc | 145 | 0.065 | 0.039 | 13 |
| uterine & adnexa proc for non-malignancy w cc/mcc | 23 | 0.025 | 0.042 | 0 |
| uterine & adnexa proc for non-malignancy w/o cc/mcc | 431 | 0.050 | 0.036 | 44 |
| uterine & adnexa proc for ovarian or adnexal malignancy w cc | 4 | -0.002 | 0.046 | 0 |
| uterine,adnexa proc for non-ovarian/adnexal malig w cc | 9 | 0.039 | 0.044 | 0 |
| uterine,adnexa proc for non-ovarian/adnexal malig w/o cc/mcc | 20 | 0.068 | 0.042 | 3 |
| vagina, cervix & vulva procedures w/o cc/mcc | 4 | 0.068 | 0.046 | 0 |
| ventricular shunt procedures w cc | 2 | -0.024 | 0.048 | 0 |
| ventricular shunt procedures w/o cc/mcc | 2 | 0.015 | 0.048 | 0 |
| viral illness w mcc | 2 | 0.058 | 0.048 | 0 |
| viral illness w/o mcc | 16 | 0.039 | 0.043 | 1 |
| viral meningitis w cc/mcc | 4 | 0.009 | 0.046 | 0 |
| viral meningitis w/o cc/mcc | 37 | 0.032 | 0.041 | 3 |