

| Using 3-Digit ICD-9-CM Codes with the Charlson Comorbidity Index | | |
|--|---|--|
| Cormorbid Condition | Charlson ICD-9-CM codes | Suggested 3-digit ICD-9-CM codes |
| Myocardial Infarction | 410, 412 | 410, 412 |
| Congestive Heart Failure | 398.91 Rheumatic heart failure (congestive) 402.01, 402.11, 402.91 | 398 Other rheumatic heart disease 402 Hypertensive heart disease |
| | 404.01, 404.03, 404.11, 404.13, 404.91, 404.93 | 404 Hypertensive heart & CKD (overlaps with renal disease) |
| | 425.4-425.9 | 425 Cardiomyopathy |
| | 428 Heart Failure | 428 Heart Failure |
| Periphral Vascular Disease | 093.0 Aneurysm of aorta, specified as syphilitic | 093 Cardiovascular syphilis |
| | 437.3 Cerebral aneurysm, nonruptured | 437 Other and ill-defined cerebrovascular disease (overlap with Cerebrovascular Disease) |
| | 440 Atherosclerosis | 440 Atherosclerosis |
| | 441 Aortic aneurysm and dissection | 441 Aortic aneurysm and dissection |
| | 443.1, 443.2, 443.8, 443.9 | 443 Other peripheral vascular disease |
| | 447.1 Stricture of artery | 447 Other disorders of arteries and arterioles |
| | 557.1 Chronic vascular insufficiency of intestine | 557 Vascular insufficiency of intestine |
| | 557.9 Unspecified vascular insufficiency of intestine | 557 Vascular insufficiency of intestine |
| | V43.4 Blood vessel replacement | V43 Organ or tissue replaced by other means (includes all types of organs/tissues) |
| Cerebrovascular Disease | 362.34 Transient arterial occlusion 430-438 | 362 Other retinal disorders 430-438 |
| Dementia | 290 Dementias | 290 Dementias |
| | 294.1 Dementia in conditions classified elsewhere | 294 Persistent mental disorders due to conditions classified elsewhere |
| | 331.2 Senile degeneration of brain | 331 Other cerebral degenerations |

Using 3-Digit ICD-9-CM Codes with the Charlson Comorbidity Index

| Cormorbid Condition | Charlson ICD-9-CM codes | Suggested 3-digit ICD-9-CM codes |
|-------------------------------------|---|--|
| Chronic Pulmonary Disease | 416.8, 416.9 490-496, 500-505 | 416 Chronic pulmonary heart disease 490-496, 500-505 |
| | 506.4 Chronic respiratory conditions due to fumes and vapors | 506 Respiratory conditions due to chemical fumes and vapors |
| | 508.1 Chronic and other pulmonary manifestations due to radiation | 508 Respiratory conditions due to other and unspecified external agents |
| | 508.8 Respiratory conditions due to other specified external agents | 508 Respiratory conditions due to other and unspecified external agents |
| Rheumatic Disease | 446.5 Giant cell arteritis 710.0-710.4 714.0-714.2, 714.8 725 Polymyalgia rheumatica | 446 Polyarteritis nodosa and allied conditions 710 Diffuse diseases of connective tissue 714 Rheumatoid arthritis and other inflammatory polyarthropathies 725 Polymyalgia rheumatica |
| Peptic Ulcer Disease | 531, 532, 533, 534 | 531, 532, 533, 534 |
| Mild Liver Disease | 070.22, 070.23, 070.32, 070.33, 070.44, 070.54, 070.6, 070.9 570 Acute and subacute necrosis of liver 571 Chronic liver disease and cirrhosis 573.3, 573.4, 573.8, 573.9 | 070 Viral hepatitis 570 Acute and subacute necrosis of liver 571 Chronic liver disease and cirrhosis 573 Other disorders of liver |
| | V42.7 Liver transplant | V42 Organ or tissue replaced by transplant (includes all types of organs/tissues) |
| Diabetes with/without complications | 250.x | 250 (combine with & without complications) |
| Paraplegia and Hemiplegia | 334.1 Hereditary spastic paraplegia 342 Hemiplegia and hemiparesis 343 Infantile cerebral palsy 344.0-344.6, 344.9 | 334 Spinocerebellar disease 342 Hemiplegia and hemiparesis 343 Infantile cerebral palsy 344 Other paralytic syndromes |

| Using 3-Digit ICD-9-CM Codes with the Charlson Comorbidity Index | | |
|--|---|--|
| Cormorbid Condition | Charlson ICD-9-CM codes | Suggested 3-digit ICD-9-CM codes |
| Renal Disease | 403.01, 403.11, 403.91 | 403 Hypertensive chronic kidney disease |
| | 404.02, 404.03, 404.12, 404.13, 404.92, 404.93 | 404 Hypertensive heart & CKD (overlaps with CHF) |
| | 582 Chronic glomerulonephritis | 582 Chronic glomerulonephritis |
| | 583.0-583.4, 583.6, 583.7 | 583 Nephritis and nephropathy, not specified as acute or chronic |
| | 585 Chronic kidney disease (CKD) | 585 Chronic kidney disease (CKD) |
| | 586 Renal failure, unspecified | 586 Renal failure, unspecified |
| | 588.0 Renal osteodystrophy | 588 Disorders resulting from impaired renal function |
| | V42.0 Kidney transplant | V42 Organ or tissue replaced by transplant |
| | V45.1 Renal dialysis status | V45 Other postprocedural states |
| | V56 Encounter for dialysis and dialysis catheter care | V56 Encounter for dialysis and dialysis catheter care |
| Cancer | 140-165, 170-172, 174-176, 179-195, 200-208, 238.6 | 140-165, 170-172, 174-176, 179-195, 200-208, 238 |
| Moderate or Severe Liver Disease | 456.0-456.2 | 456 Varicose veins of other sites |
| | 572.2-572.4, 572.8 | 572 Liver abscess and sequelae of chronic liver disease |
| Metastatic Cancer | 196-199 | 196-199 |
| HIV/AIDS | 042-044 | 042-044 |