

Table SIII. Charlson comorbidity index (CCI) code list

Comorbidity	ICD-10 diagnosis codes	Weight
Myocardial infarction	I21+, I22+, I25.2	0
Congestive heart failure	I09.9, I11.0, I13.0, I13.2, I25.5, I42.0, I42.5–I42.9, I43+, I50+, P29.0	2
Peripheral vascular disease	I70+, I71+, I73.1, I73.8, I73.9, I77.1, I79.0, I79.2, K55.1, K55.8, K55.9, Z95.8, Z95.9	0
Cerebrovascular disease	G45+, G46+, H34.0, I60+ –I69+	0
Dementia	F00.x–F03.x, F05.1, G30.x, G31.1	2
Chronic pulmonary disease	I27.8, I27.9, J40.x–J47.x, J60.x–J67.x, J68.4, J70.1, J70.3	1
Rheumatologic disease	M05.x, M06.x, M31.5, M32.x–M34.x, M35.1, M35.3, M36.0	1
Peptic ulcer disease	K25.x–K28.x	0
Mild liver disease ^a	B18.x, K70.0–K70.3, K70.9, K71.3–K71.5, K71.7, K73.x, K74.x, K76.0, K76.2–K76.4, K76.8, K76.9, Z94.4	2
Diabetes without chronic complications ^a	E10.0, E10.1, E10.6, E10.8, E10.9, E11.0, E11.1, E11.6, E11.8, E11.9, E12.0, E12.1, E12.6, E12.8, E12.9, E13.0, E13.1, E13.6, E13.8, E13.9, E14.0, E14.1, E14.6, E14.8, E14.9	0
Diabetes with chronic complications ^a	E10.2–E10.5, E10.7, E11.2–E11.5, E11.7, E12.2–E12.5, E12.7, E13.2–E13.5, E13.7, E14.2–E14.5, E14.7	1
Hemiplegia or paraplegia	G04.1, G11.4, G80.1, G80.2, G81.x, G82.x, G83.0–G83.4, G83.9	2
Renal disease	I12.0, I13.1, N03.2–N03.7, N05.2–N05.7, N18.x, N19.x, N25.0, Z49.0–Z49.2, Z94.0, Z99.2	1
Any malignancy, including leukemia and lymphoma ^a	C00.x–C26.x, C30.x–C34.x, C37.x–C41.x, C43.x, C45.x–C58.x, C60.x–C76.x, C81.x–C85.x, C88.x, C90.x–C97.x	2
Moderate to severe liver disease ^a	I85.0, I85.9, I86.4, I98.2, K70.4, K71.1, K72.1, K72.9, K76.5, K76.6, K76.7	4
Metastatic solid tumor ^a	C77.x–C80.x	6
AIDS/HIV	B20.x–B22.x, B24.x	4
Maximum comorbidity score		24

^aThe following comorbidities are mutually exclusive: diabetes with and without chronic complications; mild and moderate to severe liver disease; and any malignancy and metastatic solid tumour.

AIDS: acquired immunodeficiency syndrome; HIV: human immunodeficiency virus; ICD-10: International Classification of Diseases, 10th revision.