

Appendix 2: International Classification of Diseases (ICD, ninth and tenth revision) codes used in the study to define comorbidities

Comorbidity	ICD-9, ICD-9-CCP	ICD-9-CM, ICD-9-CCP	ICD-10-CA, ICD-10-CCI
Liver failure	570-572	570-572	K70-K76
Renal failure	584, 585	584, 585	N17-N19
	51.95	39.95	1.PZ.21.HQ-BR
	66.98	54.98	1.PZ.21.HP-D4
Heart failure	425	425	I42, I25.5
	428	428	I50
Acute myocardial ischemia	411	411.1, 411.8, 411.81, 411.89	I24.0, I24.8, I24.9, I20.0
Neurologic failure	348	348	G93.1
	3.16	89.14	2.AN.24
Neoplasms	140-165 170-176 179-208	140-165 170-176 179-208	C00-C97

Note: CCP = Canadian Classification of Procedures, CM = clinical modification, CA = Canadian enhancement, CCI = Canadian Classification of Health Interventions.