

Supplementary Table 2. ICD-10 and medical claims codes used to define comorbidities and outcomes

Prevalent comorbidities	ICD-10 code
Diabetes mellitus	E10, E11, E12, E13, E14
Hypertension	I10, I11, I12, I13, I15
Ischemic heart disease	I20, I21, I22, I23, I24, I25
Congestive heart failure	I50
Cerebrovascular disease	I60, I61, I62, I63, I64, I69
Atrial fibrillation and flutter	I48
Malignancy	C00–C97
Outcomes	
Acute MI ^a	I21–I23 and HIRA codes for MI-treating procedures (M6551-2, M6561-4, M6571-2, O1641-2, O1647, OA641-2, OA647)
Acute ischemic stroke ^b	I63–I64 and HIRA codes for brain MRI (HF101, HI101, HI135, HI201, HI235, HI301, HI401, HI501, HI535, HJ101, HJ135, HJ201, HJ235, HJ301, HJ401, HJ501, HJ535) or CT angiography (HA531)
Acute hemorrhagic stroke ^c	I60–I61 and HIRA codes for brain CT (HA441, HA451, HA461, HA471, HA851) Excluded S06 ^d

CT, computed tomography; HIRA, Health Insurance Review and Assessment Service; ICD-10, International Classification of Diseases, 10th Revision; MI, myocardial infarction; MRI, magnetic resonance imaging.

^aMI was defined as hospitalization diagnostic codes of I21–I23 supplemented with procedure codes such as coronary angiography, stent insertion, and bypass surgery. ^bIschemic stroke was defined by hospitalization diagnostic codes of I63–I64 supplemented with brain imaging. ^cHemorrhagic stroke was defined by hospitalization diagnostic codes of I60–I61 supplemented with brain imaging. ^dExcluded traumatic brain hemorrhage (S06).