

**Supplemental Table S1.** Operational Definition of Baseline Comorbidities

	Diagnosis code	No. of diagnoses	Medication/Procedure	Combination <sup>a</sup>
Type 2 diabetes mellitus	ICD-10 E11–E14	Admission or outpatient department $\geq 1$	Oral antidiabetic medication or insulin	1+2+3
Hypertension	ICD-10 I10–I13, I15	Admission or outpatient department $\geq 1$	Antihypertensive medication	1+2+3
Dyslipidemia	ICD-10 E78	Admission or outpatient department $\geq 1$	Antidyslipidemic medication	1+2+3
Heart failure	ICD-10 I11.0, I50, I97.1	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Previous ischemic stroke	ICD-10 I63, I64	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Previous intracranial hemorrhage	ICD-10 I60–I62	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Previous myocardial infarction	ICD-10 I21, I22, I23	Admission or outpatient department $\geq 1$	-	1+3
Dementia	ICD-10 F00, F01, F02, F03, G30	Admission or outpatient department $\geq 1$	Donepezil, galantamine, rivastigmine, memantine	1+2+3
Depression	ICD-10 F32–F34	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Chronic obstructive pulmonary disease	ICD-10 J41–J44	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Rheumatoid arthritis	ICD-10 M05, M06, M08, M12.00–M12.09	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Chronic liver disease	ICD-10 B18, K70, K71, K72, K73, K74, K76.1	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Parkinson disease	ICD-10 G20+IRD V124	Admission or outpatient department $\geq 1$	-	1+3
Chronic kidney disease	ICD-10 N18, N19	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
End-stage renal disease	ICD-10 N18, N19, Z49, Z905, Z94, Z992	Dialysis $\geq 2$ (O2013, O2016, O7001–7004, O7020, O7080)	-	1+2+3
Hyperthyroidism	ICD-10 E05	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Osteoporosis	ICD-10 M80, M81, M82	Admission $\geq 1$ or outpatient department $\geq 2$	Osteoporosis medication	1+2+3
Inflammatory bowel disease	ICD-10 K50, K51	Admission $\geq 1$ or outpatient department $\geq 2$	-	1+3
Hypogonadism	-	-	Sex hormone	2

Previous stroke: previous ischemic stroke+previous intracranial hemorrhage.

<sup>a</sup>Combination: 1, International Classification of Disease, 10th Revision (ICD-10) code; 2, medication/procedure; 3, number of diagnosis.