

Supplementary Table 1. Definition of covariates

Diagnosis	ICD-10 codes	Claim codes
Hypertension	I10-I11	Prescription of antihypertensive drugs ≥ 1
Heart failure	I11.0, I13.0, I13.2, I50.0, I50.1, I50.9	Admission or outpatient department ≥ 1
Diabetes	E10-E14	Prescription of anti-diabetic drugs ≥ 1
Dyslipidemia	E78	Prescription of lipid-lowering drugs ≥ 1
MI and stroke	I21-I24 for MI, I60-I69 for stroke	Admission or outpatient department ≥ 1
Liver disease	K70, K72-K76, K71.3-K71.7	Admission or outpatient department ≥ 1
Cancer	C00-C97	Admission or outpatient department ≥ 1
COPD	J41-J44	Admission or outpatient department ≥ 1
Asthma	J45-J46	Admission or outpatient department ≥ 1
ESRD with dialysis	N18-N19, Z49, Z99.2	O701-O702 for hemodialysis ≥ 1 or O707 for peritoneal dialysis ≥ 1
Immunocompromised status	M05-M09, M30-M36 for autoimmune disease, B20-B24, F24, O987, Z21 for HIV/AIDS	Admission or outpatient department ≥ 1

ICD-10, 10th revision of the International Statistical Classification of Diseases; MI, myocardial infarction; COPD, chronic obstructive pulmonary disease; ESRD, end-stage renal disease.