

Supplementary Table 1. Definition of comorbidities

Diagnosis	ICD-10-CM code and definition
Hypertension ^a	I10-I13, I15; and minimum 1 prescription of anti-hypertensive drug (thiazide, loop diuretics, aldosterone antagonist, alpha-/beta-blocker, calcium-channel blocker, angiotensin-converting enzyme inhibitor, angiotensin II receptor blocker).
Diabetes mellitus ^b	E11-E14; and minimum 1 prescription of anti-diabetic drugs (sulfonylureas, metformin, meglitinides, thiazolidinediones, dipeptidyl peptidase-4 inhibitors, α -glucosidase inhibitors and insulin).
Dyslipidemia ^b	E78
Ischemic heart disease ^a	I20-25
Venous thromboembolism ^b	I26 (pulmonary embolism), I802 (phlebitis and thrombophlebitis of other and unspecified deep vessels of lower extremities)
End stage renal disease	N18, N19, Z49, Z905, Z94, Z992; R3280 (kidney transplantation), O7011-7020 (hemodialysis), O7017, O7075 (peritoneal dialysis); dialysis ≥ 2
Hyperthyroidism ^a	E05-05.9

^a ≥ 1 diagnosis during hospitalization, or ≥ 2 diagnoses at outpatient clinic, in the previous 1 year.

^b ≥ 1 diagnosis during hospitalization or at outpatient clinic, in the previous 1 year.