

Supplementary

Table S1: Definitions of diseases

Disease	International Statistical Classification of Diseases, Eighth Revision	International Statistical Classification of Diseases and Related Health Problems, Tenth revision	Anatomical Therapeutic Chemical Code
Heart failure	425, 428, 42709-42711	I110, I130, I132, I420, I426-I429, I50	
Hypertension	401-404, 41009, 41099	I10, I109, I11, I110, I119, I119A, I12, I120, I129, I13, I130, I131, I132, I139, I15, I150, I151, I152, I158, I159	CO2A, CO2B, CO2C, CO2DA, CO2DB, CO2DD, CO2DG, CO2L, CO3A, CO3B, CO3D, CO3E, CO3X, CO7A, CO7B, CO7C, CO7D, CO7F, CO8, CO9AA, CO9BA, CO9BB, CO9CA, CO9DA, CO9DB, CO9XA02, CO9XA52
Ischemic heart disease	411-414	I20, I23, I24, I25	
Stroke	430-434	I60-61, I63-64, G45	
Peripheral vascular disease	443	I70, I739	
Renal disease	25002, 40039, 403-404, 581-584, 59009, 75310, 75311, 75319	N02-08, N11-12, N14, N17-19, N26, N158-160, N162-164, N168, Q612-613, Q615, Q619, E112, E131, E142, I120, R34	
Atrial fibrillation	42793	I48	
Cancer	140-209	C00-C97	
Chronic obstructive pulmonary disease and asthma	490-492	J42, J44	
Cardiovascular disease	390-459	I00-9, D11-9	
Depression	29609, 29629, 29809,	F32-34, F38-39	

	30019, 30049		
Diabetes			A10
Myocardial infarction	410	I21, I200	
Other mental	295, 29619, 29639, 29689-29700, 298919- 29899	F20-25, F28-29, F31	

Table S2: Anatomical Therapeutic Chemical Code codes to define medication use

Drug	Anatomical Therapeutic Chemical Code
Mineralocorticoids	C03D
Beta blocker	C07
Renin-angiotensin system inhibitor	C09
Loop diuretics	C03C, C03EB
Calcium channel blockers	C08
Thiazide	C03A
Acetylsalicylic acid	B01AC06, N02BA01
Statin	C10A, A10BH51, A10BH52
Aldosterone receptor antagonists	C03D
Digoxin	C01AA05
Adenosine diphosphate receptor inhibitor	B01AC
Vitamin K antagonists	B01AA
Direct oral anticoagulant	B01AF
INH C	R03BA, R03K06-9, R03AK10-12, R03ALO8-9
INH B2	R03AC, R03AK06-9, R03AK10-13, R03AL01-9
INH muscular	R03BB, R0AL01-9
Antidepressants	N06A
Antipsychotics	N05A