

**Supplementary Table 2.** Definitions of drug prescriptions and comorbidities based on ICD-10 codes, procedures, and surgery codes

<b>Drug</b>	
SGLT2i	A10BK01, A10BK02, A10BK03, A10BD15, A10BD16, A10BD20, A10BX
SU	A10BB, A10BD02, A10BD04, A10BD06
DPP-4i	A10BH, A10BD07, A10BD08, A10BD09, A10BD10, A10BD11, A10BD13, A10BD18, A10BD
Metformin	A10BA
Low dose acetyl salicylic acid	B01AC06
Statin	C10AA
ACE inhibitors	C09A, C09B
ARB	C09C, C09D (exclude C09DX04)
Dihydropyridines	C08C
Low ceiling diuretics	C03A, C03B
Beta blockers	C07
Non-hydropyridines	C08D
High ceiling diuretics	C03C
Aldosterone antagonists	C03DA
Warfarin	B01AA03
Receptor P2Y12 antagonists	B01AC04, B01AC05, B01AC22, B01AC24
<b>Comorbidities</b>	
Myocardial infarction	I21, I22
PCI with stent	M6551, M6552, M6561, M6562, M6563, M6564, M6565, M6566, M6567
Unstable angina	I20.0
Angina pectoris	I20.1, I20.8, I20.9
Heart failure	I50
Atrial fibrillation	I48
Stroke	I60-I66
PAD <sup>a</sup>	M6597, M6605, M6613, M6632, M6620, O0161~O0171, O1643-4, O1645~6, I70.2-3, I70.9, I73.1, I73.8-9
CKD	N18
Diabetic neuropathy	G99.0, G59.0, G63.2, E10.4, E11.4, E12.4, E13.4, E14.4
Diabetic retinopathy	H28.0, H35.8, H36.0, E10.3, E11.3, E12.3, E13.3, E14.3
Diabetic nephropathy	N08.3, E10.2, E11.2, E12.2, E13.2, E14.2
Severe hypoglycemia	E10.0, E11.0, E12.0, E13.0, E14.0, E11.6A, E16.0-2
Keto-/lactate acidosis	E10.1, E11.1, E12.1, E13.1, E14.1, E87.2
Cancer	C00-C99

ICD-10, International Classification of Disease, tenth revision; SGLT2i, sodium glucose cotransporter 2 inhibitor; SU, sulfonylurea; DPP-4i, dipeptidyl peptidase-4 inhibitor; ACE, angiotensin converting enzyme; ARB, angiotensin receptor block; PCI, percutaneous coronary intervention; PAD, peripheral arterial disease; CKD, chronic kidney disease.

<sup>a</sup>Refers to PLoS One 2014;9:e110650.