

Table S1. Code for disease

	ICD-9-CM	ICD-10-CM
<b><i>Comorbidities</i></b>		
Hypertension	401 – 405	I10-14
Diabetes mellitus	250	E10-E14
Hyperlipidemia	272.0–272.4	E78
CAD	410 – 414	I20-I25
CHF	428.0, 428.1, 428.9	I50
Stroke	430–438	I60- I63, I65-I69, G45-G46
PVD	250.7, 440.2-3,440.8-9, 443,444.22,444.8,447.8-9	E08.51-52, E08.59, E09.51-52, E09.59, E10.51-52, E10.59, E11.51-52, E11.59, E13.51-52, E13.59, I70.2- I70.9, I73, I74.2-I74.9, I75.011-I75.029, I75.89, I77.3, I77.89, I77.9, I79.1, I79.8
COPD	490–492, 496	J40-J44, J47
Cancer	140-208	C00.0-C96.9
Atrial fibrillation	427.31	I48
<b><i>CCI score</i></b>		
Myocardial infarct	410	I21-22
Congestive heart failure	428.0, 428.1, 428.9	I50

Cerebrovascular disease	430–438	I60- I63, I65-I69, G45-G46
Connective tissue disease	710,714,725	M05, M06, M32, M33.20, M33.29, M34, M35.3 E08.51-52, E08.59, E09.51-52, E09.59, E10.51-52, E10.59, E11.51-52, E11.59, E13.51-52, E13.59, I70.2- I70.9, I73, I74.2-I74.9, I75.011-I75.029, I75.89, I77.3, I77.89, I77.9, I79.1, I79.8
Peripheral vascular disease	250.7, 440.2-3,440.8-9, 443,444.22,444.8,447.8-9	
Dementia	290	F03.90, F05, F01.50, F01.51
COPD	490–492, 496	J40-J44, J47
Ulcer disease	531.XX, 532.XX, 533.XX ,534.XX	K25.X, K26.X, K27.X, K28.X, K31.82, K56.60
Mild liver disease	571.2,571.4X,571.5,571.6	K70.2, K70.3X, K73.X, K74.X, K74.60, K74.69, K75.4
Hemiplegia	342	G81 E10.21, E11.21, N03.0, N03.1, N03.2, N03.3, N03.4, N03.5 N03.6, N03.7, N03.8, N03.9, N05.0, N05.1, N05.2, N05.3, N05.4, N05.5, N05.6, N05.7, N05.8, N05.9, N06.0, N06.1, N06.2, N06.3, N06.4, N06.5, N06.6, N06.7, N06.8, N06.9, N07.0, N07.1, N07.2, N07.3, N07.4, N07.5, N07.6, N07.7, N07.8, N07.9, N08, N14.0, N14.1, N14.2, N14.3, N14.4, N15.0, N15.8, N15.9, N16, N17.1, N17.2, N18.4, N18.5, N18.6, N18.9, N19, N25.0, N25.1, N25.81, N25.89, N25.9 E08.311, E08.319, E08.321, E08.329, E08.331, E08.339,
Moderate-to-severe renal disease	582.0,582.1,582.2,582.4,582.81,582.89,582.9,583.0, 583.1,583.2,583.4,583.6,583.7,583.9,588.1,588.8, 588.9, 583.81,583.89,585,586,588	
Diabetes-with-end-organ-	250.4,250.5,250.6	

damage		E08.341, E08.349, E08.351, E08.359, E08.36, E08.39, E09.311, E09.319, E09.321, E09.329, E09.331, E09.339, E09.341, E09.349, E09.351, E09.359, E09.36, E09.39, E10.21, E10.22, E10.29, E10.311, E10.319, E10.36, E10.39, E10.40, E10.41, E10.44, E10.49, E10.610, E10.65, E11.21, E11.22, E11.29, E11.311, E11.319, E11.321, E11.329, E11.331, E11.339, E11.341, E11.349, E11.351, E11.359, E11.36, E11.39, E11.40, E11.41, E11.42, E11.43, E11.44, E11.49, E11.65, E13.21, E13.22, E13.29, E13.311, E13.319, E13.321, E13.329, E13.331, E13.339, E13.341, E13.349, E13.351, E13.359, E13.36, E13.39, E13.42, E13.43, E13.44, E13.49
Malignancy	140-149,150-159,160-165,170,174,175,176,179,180-189,190-195,200-201,203-208	C00-C96,D45, D47.Z9, E31.22, Z51.12
Moderate or severe liver disease	456.0,456.1,456.20,572.X,456.21,I85.XX,	K72.10,K72.11,K72.90,K72.91,K766,K767,K768.1
Metastatic solid tumors	196.X,197.X,198.X, 198.8X,199.X	C45.9, C77.X, C78, C79, C7A.00, C7A.094, C7A.095, C7A.096, C7A.1, C7A.8, C7B, C80.0, C80.1, D3A.8, J91.0, R18.0, Z51.12
AIDS	0.42,0.43,0.44	B20
<b><i>Clinical outcomes</i></b>		
GI bleeding (with	530.7,530.82, 531-535,537.83,578	K25-K29, K31.811, K31.82, K92

