

**Supplemental table 1** International Classification of diseases 10th revision (ICD-10) codes used for definition of comorbidities.

<b>Diagnosis</b>	<b>ICD-10</b>
<b>Exclusion criteria</b>	
Cancer	C00-C43, C45-C99
Immunodeficiency	D80-D84, D86-D89
<b>Comorbidities</b>	
Hypertension	I10-I15
Atrial fibrillation	I48
Myocardial infarction	I121-I123
Heart failure	I42, I50, J81, I110, I130, I132
Peripheral vascular disease	I70-I74, I77, I79
Cerebrovascular disease	I60-I64, G458, G459
Systemic connective tissue disease	M30-M36
Inflammatory polyarthropathy	M05-M14
Depression	F32-34
Diabetes mellitus	E10-E14
Renal disease	N02-N08, N11, N14, N18, N19, N26, N158-165, N168, I120, I131, I132, E102, E112, E122, E132, E142, Z992
Asthma	J45
Bronchiectasis	J47
<b>Charlson comorbidity index</b>	
Connective tissue disease	M05, M06, M315, M32-M34, M351, M353, M360
Myocardial infarction	I10-I22, I252
Heart failure	I420, I425-I4429, I50, I099, I110, I130, I255, I132, I43, P290
Peripheral vascular disease	I70-I71, I1731, I1738, I1739, I771, I790, I1792, K551, K558, K559, Z958, Z959,
Cancer	Na (excluded)
COPD	Na (all patients)
Diabetes mellitus, uncomplicated	E100, E101, E106, E108-E111, E116, E118-121, E126, E128-E131, E136, E138-E141, E146, E148-E149
Diabetes mellitus with end-organ damage	E102-E105, E107, E112-E115, E117, E122-E125, E127, E132-E135, E137, E142-E145, E147
Cerebrovascular disease	G45, G46, H340, I160-I169
Liver disease, mild	B128, K700-703, K709, K713-K715, K717, K73-K74, K760, K762-K764, K768-K769, Z944
Liver disease, severe	K765-K767, I850, I859, I84, I982, K704, K711, K721, K729
Renal disease	I120, I131, N032-N037, N052-N057, N18-N19, N250, Z490-Z492, Z940, Z992
AIDS	B20-B22, B24
Peptic ulcer disease	K25-K28
Hemiplegia	G041, G114, G801-G802, G810-G834, G839
Dementia	G30, G311, F00-F03, F051