Supplementary Table 2. Definition of comorbidities in ICD-10 codes

Comorbidities	Code
Chronic obstructive pulmonary disease	I278, I279, J40, J41.x–J47.x, J60.x–J66.x, J67, J684, J701, J703
Diabetes mellitus	E10.0, E10.1, E10.2–E10.8, E10.9, E11.0, E11.2–E11.8, E11.1, E11.9, E12.0, E12.1, E12.2–E12.8, E12.9, E13.0, E13.1, E13.2–E13.8, E13.9, E14.0, E14.1, E14.2–E14.8, E14.9
Renal failure	I12.0, I13.1, N18.x, N19.x, N25.0, Z49.0–49.2, Z94.0, Z99.2
Liver disease	B18.x, K70.0–K70.3, K70.9, K71.3–K71.5, K71.7, K73.x, K74.x, K76.0, K76.2–K76.4, K76.8, K76.9, Z94.4
AIDS	B20.x–B22.x, B24.x
Malignancy	C00.x–C26.x, C30.x,–C34.x, C37.x–C41.x, C43.x, C45.x,–C58.x, C60.x–C76.x, C77.x–C80.x, C81.x–C85.x, C88.x, C90.0, C90.2, C96.x, C97.x
Rheumatic disease/ collagen–vascular disease	L94.0, L94.1, L94.3, M05.x, M06.x, M08.x, M12.0, M12.3, M30.x, M31.0–M31.3, M32.x–M35.x, M45.x, M46.1, M46.8, M46.9
Alcohol abuse	E52, F10, G62.1, I42.6, K29.2, K70.0, K70.3, K70.9, T51.x, Z50.2, Z71.4, Z72.1

ICD-10, International Classification of Disease, Tenth Revision; AIDS, acquired immune deficiency syndrome.

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