

Supplementary table 1 ICD-9-CM and ICD-10-CM codes for comorbidities

Comorbidities	ICD-9-CM code	ICD-10-CM code
Cancer	140~208	C, D0
Diabetes	250	E08~E13
Chronic kidney disease	585, 586	N18
Congestive heart failure	428, 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93	I50, I0981, I110, I130, I132
Coronary heart disease	410~414	I20~I25
Liver cirrhosis	571, 571.2, 571.5, 571.6	K703, K717, K746
Chronic obstructive pulmonary disease	491, 492, 518.1, 518.2, 770.2	J41~J44
Dementia	290	F01~F03
Cerebrovascular disease	430~437	G46.3, G46.4, I60~I66, I69
Opportunistic infections		
Cytomegalovirus disease	(078.5	B25
Tuberculosis	010~018	A15~A19
Disseminated Mycobacterium avium complex infection	31.2	A31.2

Pneumocystis jirovecii pneumonia (or pneumocystis carinni pneumonia)	136.3	B59
Cryptococcal meningitis	(321.0	B45.1
Candidiasis	112	B37
Penicillium marneffeii infection	117.9	B48.3, B48.8, B49
Herpes zoster	((053)	B02
AIDS-related cancer		
Kaposi sarcoma	176	C46
Non-Hodgkin lymphoma	202.8	C85.8, C85.9
Cervix	180	C53.9

ICD-9-CM, International Classification of Diseases, Ninth Revision, Clinical Modification; ICD-10-CM, International Classification of Diseases, Tenth Revision, Clinical Modification; AIDS, acquired immune deficiency syndrome.