

Supplementary Table 1: Read version 2 codes used to identify the presence of co-morbidities amongst the study population based on Khan et al.,²⁷

Co-morbidities	Read version 2 codes
Myocardial infarction	G30., G32., G35..
Congestive heart failure	G1yz0, G2101, G2111, G21z1, G232., G234., G343., G5540, G5541, G554z, G555., G55y0, G55z., G557., G558., G58., Q490.
Peripheral vascular disease	G70., G71., G7310, G73y., G73z., G761., G717., G73y0, J5771
Cerebrovascular disease	G65., G660., G661., G662., G663., G664., G665., G666., G6..., F4237
Chronic pulmonary disease	G4y., G4z., H30., H310., H311., H313., H31z., H32., H3y., H33., H34., H35., H40., H41., H42., H43., H44., H45., H450., H464., H4y1., H4y21
Diabetes	C10..
Dementia	Eu00., Eu01., Eu02., Eu02z, E003., E0011, E0041, F110., F112.
Rheumatic disease	N047., N04X., N041., N0421, N040N, N0420, G5yA., G5y8., F3964, G011., G010., F3712, N040P, N04y2, N040Q, N0422, N04., N200., N0003, N000., N004., N003X, N0031, N001., N20., N0031
Peptic ulcer disease	J11., J12., J13., J14..
Mild liver disease	A707., J610., J617., J6120, J612., J613., J6353, J6354, J6355, J6356, J614z, J61y4, J61y5, J61y6, J6160, J6161, J616z, J615z, Jyu71, J6151, J61y1, J636., J634., J638., J63y0, PB6y9, J61z.,ZV427
Hemiplegia or paraplegia	F038., F141., F2301, F231., F22., F241., F240., F242., F243., F244., F245., F246., F24z.
Renal disease	G222., G233., K0A32, K0A33, K0A34, K0A35, K0A36, K0A37, K03V., K03U., K03X., K03W., K05., K06., K080., ZV561, ZV560, ZV56y, ZV420, ZV451
Any malignancy	B0..., B1..., B2..., B30., B32., B232., B181., B2414, BBPX., Byu50, Byu51, B61., B627., B621., B622., B62x0, B62x1, B62x2, B62xX, B627W, B601., BBg2., ByuDF, BBmK., BBm6., BBmE., BBmG., B62x5, B630., BBn0., B631., B6300, B64., B65., B66., B670., B671., BBrA5,

Co-morbidities	Read version 2 codes
	BBrA0, B673., B674., BBs1., BBrA6, B675., BBrA7, B67y0, BBr5., B68., B625., BBm3., B623., B626., BBp., B480., B481., B482., B483., B487., B46., B47., B484., B485., B486., B48y., B4A0., B4A1., B4A2., B49., B4A3., B4A4., B4Ay0, B4Az., B50., B521., B523., B52X., B51., B522., B525., B520., B52W., B52z., B53., B540., B541., B542., B543., B544., B545., B54X., B54z., B55., B62x6, BBm4., B6y., B62., B592., B33z0, B05z0, B59zX, B31z0, B6z0., B592X, B524., B180., B18y., B182., B31., B34., B35., B451., B452., B453., B54y0, B454., B450., B41., B431., B4302, B4303, B4301, B432., B430z, B43z., B440., B441., B442., B443., B444., B44y., B44z., B45y., B45X., B45z., B42..
Moderate or severe liver disease	G850., G851., G857., G852., J6130, J6357, J637., J623., J624.
Metastatic solid tumour	B56., B57., B58., B59..
AIDS/HIV	A7890, A7891, A7892, A7893, A7894, AyuC4, A788z, A7898, A7895, A7896, A7897, A789X, Eu024, A7899, A789A, A7894