

Supplementary file 1 Read codes

Condition	Included (including exception reporting)	Excluded
Hypertension	G2... G20..% G24.. - G2z.. (Excluding G24z1, G2400, G2410, G27..) Gyu2. Gyu20	21261 212K.
COPD	H3... H31..% (excluding H3101, H31y0, H3122) H32..% H36.. - H3z.. (excluding H3y0., H3y1.) H4640 H4641 H5832 Hyu30 Hyu31	2126F
Depression	E0013, E0021 E112.%, E113.%, E118., E11y2 E11z2, E130. E135. E2003 E291., E2B.. E2B1., Eu204 Eu251 Eu32.% (excluding Eu32A, Eu32B, Eu329) Eu33.%, Eu341 Eu412	212S.
Diabetes	C10., C109J, C109K, C10C., C10D., C10E.%, C10F.% (Excluding C10F8),	21263 212H.

	C10G.%, C10H.%, C10M.%, C10N.%, PKyP., C10P.%, C10Q.	
Hypertension	G2... G20..% G24.. - G2z.. (Excluding G24z1, G2400, G2410, G27..) Gyu2. Gyu20	21261 212K.
Osteoarthritis	N05..00 Osteoarthritis and allied disorders	
CKD	1Z12. 1Z13. 1Z14. 1Z15. 1Z16. 1Z1B. - 1Z1L. 1Z1T. 1Z1V. 1Z1W. 1Z1X. 1Z1Y. 1Z1Z. 1Z1a. 1Z1b. 1Z1c. 1Z1d. 1Z1e. 1Z1f. K053. K054. K055. 1Z10. 1Z11. 1Z17. - 1Z1A. 1Z1M. 1Z1Q. K051. K052. 1Z1N. 1Z1P. 1Z1R. 1Z1S.	2126E