<u>Appendix 1 (Read Codes to Define Outcome)</u>

Asthma exacerbation

Xa1hD","Xafdy","Xafdz","Xafdj","XE0YW","XM0s2","X101y","X1022","H333.","H3301","H3311","H33 z0","H33z1

Asthma hospitalization or Accident & Emergency visit

"663d".,"8H2P.","663m."

Oral corticosteroids

"fe6..","fe3..","fe31.","fe32.","fe33.","fe36.","fe37.","fe3A.","fe3B.","fe3C.","fe3r.","fe3s.","fe3u.","fe4..","fe41.","fe42.","fe42.","fe44.","fe45.","fe44.","fe46.","fe4g.","fe4h.","fe5..","fe51.","fe52.","fe53.","fe5f.","fe5m.","fe5m.","fe5o.","fe5p.","fe61.","fe62.","fe64.","fe65.","fe65.","fe66.","fe68.","fe69.","fe6a.","fe6a.","fe66.","fe66.","fe6b.","fe6i.","fe6i.","fe6i.","fe6i.","fe6k.","fe6m.","fe6m.","fe6o.","fe6p.","fe6p.","fe6s.","fe6v.","fe6w.","fe6w.","fe7z.","fe7z.","fe72.","fe72.","fe73.","fe74.","fe72.","fe72.","fe12.","fe12.","fe12.","fe22.","fe23.","fe24.","fe25.","fe26.","x01MW"

Evidence of lower respiratory review

"XE1P1","XE2Nb","XE2b5","XMOrv","XMOs2","XM1Bs","XM1QV","XM1QX","XSCET","Xa0Y7","Xa0IY","Xa0IZ","Xa1hD","Xa35I","Xa7nL","Xa7nM","Xa7nN","Xa7nP","Xa7nT","Xa7nU","Xa8Hn","Xa97Z","Xa9zf","XaBE9","XaBM8","XaBfJ","XaDcD","XaDcV","XaDsa","XaDtB","XaDtP","XaDth","XaDth","XaDtl","XaD vK","XaEFy","XaEFy","XaEFy","XaEIV","XaEIW","XaEIY","XaF6d","XaF6e","XaFrU","XaFrV","XaFrW","XaFrX","XaIIW","XaIIX","XaIIY","XaIIZ","XaIND","XaINZ","XaINB","XaINb","XaINc","XaINd","XaINf","XaINg","XaINh","XaIQ2","XaIQ3","XaIQ4","XaIQD","XaIQE","XaIQ6","XaIQ6","XaIUG","XaIUI","XaIUI","XaIUM","XaIUN","XaIUN","XaIUN","XaIV","XaIXY","XaISH","XaQMS","XaQMS","XaQMS","XaQMS","XaQMS","XaQMS","XaQMS","XaQMS","XaQMS","XaXZM","XaXZM","XaXZM","XaXZS","XaXZU","XaXZX","XaXAO","XaXEg","XaY2V","XaYYt","XaYYU","XaYZB","XaYZH","XaZyu","XaZZ1","XaZYJ","XaZYL","XaZYL","XaZYL","XaZZ1","XaZZYI","XaZZY1","XaZZ

Additional non-asthma specific codes for hospitalisation

"8HJJ.00","9b8D.00","8HX..00","8HX2.00","8Hd..00","8H16.00","8H2R.00","8H2P.00","8H2D.00","8 H2J.00","8H24.00","8H26.00","8H2H.00","8H2Z.00","8H2L.00","8H2E.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H2R.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","8H12.00","7LD2G111","7LD2G00","7LD2G111","7LD2G00","7LD2G111","7LD2G00","7LD2G111","7LD2G00","7LG6G100","7LG6G100","7LG6G100","7LG6G00","7LG6G00","7LGG100","7LG000","7LGG100","7LG000","7LGG100","7LG000","7LG000","7LG000","7LG000","7LG000","7LG000","7LG000","7LG000","7LG000","7LG000",

11","7A45.15","7A45.00","7A45.14","7A13.00","7A13z00","7A13y00","8H2T.00","7700400","9239", "9b0K.00","945Z.00","945..00","13F8.11","9b0L.00","13F8.00","9R6..00","7936500","8HN1.00","8H NA.00","8HNB.00","8HNC.00","8HND.00","8HNE.00","8HN2.00","8HN3.00","8HN4.00","8HN5.00"," 8HN6.00","8HN7.00","8HN8.00","8HN9.00","8HN0.00","8HNZ.00","8CO..00","Z177800","8A8..00"," 8Hb..00","8HM4.00","8HMB.00","8HM3.00","8HME.00","8HMJ.00","8HM8.00","8HM1.00","8HMG. .00","8HM7.00","8HM0.00","8HM5.00","8HM6.00","8HML.00","8HMN.00","8HMD.00","8HMH.00", "8HMQ.00","8HMK.00","8HMM.00","8HM2.00","8HMP.00","8HM9.00","8HMC.00","8HMA.00","8H MR.00","8HM..00","8HMZ.00","8HMF.00","13F8100","13FS.00","66Yi.00","8H32.00","7701.11","8H 3E.00","8H3V.00","8H3T.00","8H3I.00","8H3O.00","8H39.00","8H3B.00","8H3M.00","8H31.00","8H 3..00","8H36.00","8H3J.00","8H3S.00","8H3C.00","8H3G.00","8H3U.00","8H3D.00","8H3A.00","8H3 N.00","8H38.00","8H3Q.00","8H3L.00","8H3R.00","8H3P.00","8H3H.00","8H3T.00","8H3F.00", K.00","7A47.11","7A47.12","7A47.13","7A47.16","7A47.00","7A47z00","7A47y00","7A47.14","7A15 .00","7A47.15","8H3Z.00","7700y00","7259y00","7B07y00","7513y00","9b8C.00","949B.00","9495" ,"9144","9N19.11","7B07.00","7B07z00","T772.00","9b8A.00","8HLP.00","8HKP.00","8HJI.00","8HC 1.00","8H63.00","ZL51.11","8HC3.00","8H7a.00","8HD..00","8HC..00","8HCZ.00","ZL56.11","ZL51.0 0","ZL56100","ZL51.13","8HTF.00","ZL56.00","ZL56211","ZL56200","8HX1.00","9H4..00","9H5..00", "ZL96.11","ZL91.00","ZL96111","ZL96100","ZL91.12","ZL96211","ZL96200","ZL9GQ00","9N04.00"," 9N1y300","9N19.00","9N1B.00","8HJ..00","8HJZ.00","8HF..12","7A13411","ZL16.11","ZL11.00","ZL1 6111","ZL16100","ZL11.12","ZL16.00","ZL16211","ZL16200","8HX0.00","8Ha..00","7A11211","ZV29 300","ZV29211","ZV29200"

Specific asthma codes previously validated to identify asthma patients in primary care

"H33..","663..","H333.","H33z1","H33z0","H33..","H330.","663V1","663V3","663V0","H331.","H33z.","H33zz","H33zz","H33z0","H331.","H3300","H3120","173A.","H3301","8H2P.","H330.","663P.","663U.","6
63N.","H330.","H33z1","90JA.","663y.","66Y5.","66Y9.","66Y9.","8B3j.","663j.","102..","H33z2","66
3V.","663V2","663N2","663K.","H3300","H330.","H33zz","8795","8794","66YA.","8796","H3311","6
6YQ.","663p.","663n.","90JA.","8798","8797","H33zz","173c.","663d.","8791","663u.","663e.","8CR
0.","663s.","663v.","663f.","663e1","663e0","H3301","H3310","66YR.","663N0","66YP.","663t.","66
300","663w.","663x.","663n1","H35y7","663r.","H334.","1780","66YC.","663q.","H331z","H330z","
90J1.","663m.","H47y0","H3311","173d.","H35y6","388t.","38DL.","8CMA0","679J0","38DT.","9NN
X.","679J1","66Yp.","38DV.","1787","1781","66Yr.","66Yq.","1789","663P0","178B.","663P1","1783
","679J2","1786","66Ys.","388t0","1788","178A.","1785","1784","1782","663P2","661N1","661M1","H335.","66Yu."