

Supporting Information

Code sets

Asthma diagnosis (Read codes v2)

H33..	Asthma	H333.	Acute exacerbation of asthma
H330.	Extrinsic (atopic) asthma	H334.	Brittle asthma
H3300	Extrinsic asthma without status	H335.	Chronic asthma with fixed airflow
H3301	Extrinsic asthma with status asthmaticus	H33z.	Asthma unspecified
H330z	Extrinsic asthma NOS	H33z0	Status asthmaticus NOS
H331.	Intrinsic asthma	H33z1	Asthma attack
H3310	Intrinsic asthma without status	H33z2	Late-onset asthma
H3311	Intrinsic asthma with status asthmaticus	H33zz	Asthma NOS
H331z	Intrinsic asthma NOS	H3120	Chronic asthmatic bronchitis
H332.	Mixed asthma		

Inhaled corticosteroids (Read codes v2)

c6...	CORTICOSTEROIDS [RESP]	c642.	*PULMICORT 200mcg ref 100dose
c61..	BECLOMETASONE DIPROP [RESP]	c643.	*PULMICORT 200mcg refill 200dse
c611.	*BECLOFORTE 250mcg inhaler	c644.	*PULMICORT LS 50mcg inhaler
c612.	*BECOTIDE-50 50mcg inhaler	c645.	*PULMICORT LS 50mcg refill
c613.	*BECOTIDE 100mcg rotacaps	c646.	*NEBUHALER spacer device
c614.	*BECOTIDE 200mcg rotacaps	c647.	*PULMICORT 200mcg inh 100dose
c615.	*BECOTIDE rotahaler device	c648.	PULMICORT 200mcg turbo 100dose
c616.	*BECOTIDE 50mcg/mL neb.soln	c649.	PULMICORT 400mcg turbo 50dose
c617.	*BECOTIDE-100 100mcg inhaler	c64a.	PULMICORT 500mcg Respules 2mL
c618.	*VOLUMATIC spacer device	c64b.	PULMICORT 1mg Respules 2mL
c619.	*BECODISK 100mcg diskhalr 14x8	c64v.	*BUDESONIDE 200mcg inhaler
c61a.	*BECODISK 200mcg diskhalr 14x8	c64w.	*BUDESONIDE refill 100dose
c61b.	*BECOTIDE 400mcg rotacaps	c64x.	*BUDESONIDE refill 200dose
c61c.	*BECODISK 100mcg refill 14x8	c64y.	*BUDESONIDE 50mcg inhaler
c61d.	*BECODISK 200mcg refill 14x8	c61l.	*AEROBEC 100mcg Autohaler
c61e.	*BECODISK 400mcg diskhaler 7x8	c64c.	PULMICORT 100mcg turbo 200dose
c61f.	*BECODISK 400mcg refill 7x8	c64d.	BUDESONIDE 100mcg bth-act inh
c61g.	*BECLOFORTE VM 250mcg inh+vol	c61m.	*BECLOFORTE DISKHALR 400mcg 14
c61h.	*BECLOMET DIP 400mcg inhal cap	c61n.	*BECLOFORTE DISKS 400mcg refill
c61i.	*BECOTIDE-200 200mcg inhaler	c65..	FLUTICASONE PROPIONATE [RESP]
c61j.	*AEROBEC 50microgram Autohaler	c651.	*FLIXOTIDE 50mcg diskhaler
c61k.	*AEROBEC FORT 250mcg Autohaler	c652.	*FLIXOTIDE 100mcg diskhaler
c61t.	BECLOMET DIP 250mcg inhaler	c653.	*FLIXOTIDE 250mcg diskhaler
c61u.	BECLOMET DIP 200mcg inhaler	c654.	*FLUTICASONE 50mcg disks+inh
c61v.	BECLOMET DIP 50mcg inhaler	c655.	*FLUTICASONE 100mcg disks+inh
c61w.	*BECLOMET DIP 100mcg inhal cap	c656.	*FLUTICASONE 250mcg disks+inh
c61x.	*BECLOMET DIP 200mcg inhal cap	c61p.	*BECLOMET DIP 100mcg disks+inh
c61y.	*BECLOMETH 50mcg/mL neb.soln	c61q.	*BECLOMET DIP 200mcg disks+inh
c61z.	BECLOMET DIP 100mcg inhaler	c61r.	*BECLOMET DIPE 100mcg disk
c62..	BECLOMETASONE COMPOUNDS	c61s.	*BECLOMET DIP 200mcg disk
c621.	*VENTIDE inhaler	c61A.	*BECLOMET DIP 400mcg disks+inh
c622.	*VENTIDE Rotacaps	c61B.	*BECLOMET DIP 400mcg disk
c623.	*VENTIDE paediatric Rotacaps	c61C.	*BECLOMETH DIP 250mcg inh+spac
c63..	*BETAMETHASONE VALERATE	c61D.	*BECLOMET 50mcg breath-act inh
c631.	*BEXTASOL 100microgram inhaler	c61E.	*BECLOMET 250mcg bth-act inh
c63z.	*BETAMETHASONE 100mcg inhaler	c61F.	*BECLOMET 100mcg bth-act inh
c64..	BUDESONIDE [RESPIRATORY USE]	c61G.	*FILAIR 50micrograms inhaler
c641.	*PULMICORT 200mcg inh 200dose	c61H.	*FILAIR 100micrograms inhaler

c61J.	*FILAIR FORTE 250mcg inhaler	c667.	QVAR 50 Autohaler
c64e.	*BUDESONIDE 50mcg refill	c669.	*BECLAZONE 200 inhaler
c64g.	BUDESONIDE 200mcg bth-act inh	c66A.	*BECLOM 50mcg bth-act pdr inh
c64h.	BUDESONIDE 400mcg bth-act inh	c66B.	BECLOM 100mcg bth-act pdr inh
c64i.	BUDESONIDE 500mcg/2mL neb.soln	c66C.	BECLOM 250mcg bth-act pdr inh
c64j.	BUDESONIDE 1mg/2mL neb.soln	c66D.	*ASMABEC 50mcg Clickhaler
c657.	*FLIXOTIDE 50mcg disk refill	c66E.	ASMABEC 100mcg Clickhaler
c658.	*FLIXOTIDE 100mcg disk refill	c66F.	ASMABEC 250mcg Clickhaler
c659.	*FLIXOTIDE 250mcg disk refill	c65X.	FLUTICASONE 0.5mg/2mL neb unit
c65A.	*FLUTICASONE 50mcg disk refill	c65Y.	FLUTICASONE 2mg/2mL neb units
c65B.	*FLUTICASONE 100mcg disk refill	c65Z.	FLIXOTIDE 0.5mg/2mL Nebules
c65C.	*FLUTICASONE 250mcg disk refill	c65a.	FLIXOTIDE 2mg/2mL Nebules
c61K.	*BECLAZONE 50mcg inhaler	c1D..	SALMETEROL+FLUTICASONE PROPION
c61L.	*BECLAZONE 100mcg inhaler	c1Dx.	SALM+FLUT 50/100 b-act pdr inh
c61M.	*BECLAZONE 250mcg inhaler	c1Dy.	SALM+FLUT 50/250 b-act pdr inh
c64z.	*BUDESONIDE 200mcg spacer inh	c1Dz.	SALM+FLUT 50/500 b-act pdr inh
c64A.	*BUDESONIDE 200mcg refill	c1D1.	SERETIDE 100 Accuhaler
c64B.	*BUDESONIDE 50mcg spacer inh	c1D2.	SERETIDE 250 Accuhaler
c64C.	*PULMICORT 200mcg spacer inh	c1D3.	SERETIDE 500 Accuhaler
c64D.	*PULMICORT LS 50mcg spacer inh	c65b.	FLUTICASON 125mcg CFC-free inh
c65D.	*FLIXOTIDE 25mcg inhaler	c65c.	FLUTICASON 250mcg CFC-free inh
c65E.	*FLIXOTIDE 50mcg inhaler	c65d.	FLIXOTIDE 125mcg Evohaler
c65F.	*FLIXOTIDE 125mcg inhaler	c65e.	FLIXOTIDE 250mcg Evohaler
c65G.	*FLUTICASONE 25mcg inhaler	c1Du.	SALM+FLUT 25/50 CFC-free inh
c65H.	*FLUTICASONE 50mcg inhaler	c1Dv.	SALM+FLUT 25/125 CFC-free inh
c65I.	*FLUTICASONE 125mcg inhaler	c1Dw.	SALM+FLUT 25/250 CFC-free inh
c65J.	*FLUTICASONE 250mcg inhaler	c1D4.	SERETIDE 50 Evohaler
c65K.	*FLIXOTIDE 250mcg inhaler	c1D5.	SERETIDE 125 Evohaler
c65L.	*FLIXOTIDE 500mcg diskhaler	c1D6.	SERETIDE 250 Evohaler
c65M.	*FLIXOTIDE 500mcg disk refill	c65f.	FLUTICASONE 50mcg CFC-free inh
c65N.	*FLUTICASONE 500mcg disks+inh	c65g.	FLIXOTIDE 50mcg Evohaler
c65O.	*FLUTICASONE 500mcg disk refill	c67..	BUDESONIDE+FORMOTEROL
c624.	*VENTIDE Rotahaler device	c67z.	BUDES+FORMOTEROL 100/6mcg inh
c61N.	*BECLAZONE 50 EASI-BREATHE inh	c67y.	BUDES+FORMOTEROL 200/6mcg inh
c61O.	*BECLAZONE 100 EASI-BREATH inh	c671.	SYMBICORT 100/6 Turbohaler
c61P.	*BECLAZONE 250 EASI-BREATH inh	c672.	SYMBICORT 200/6 Turbohaler
c61Q.	*BECLOFORTE INTEGRA 250mcg	c66G.	BECLOM 400mcg bth-act pdr inh
c61R.	*BECLOFOR. INTGRA 250mcg refill	c66H.	BECLOM 200mcg bth-act pdr inh
c61S.	*BECLOMET 250mcg compct spacer	c66I.	PULVINAL BECLOM 100mcg pdr inh
c61T.	*BECLOMET 250mcg compct refill	c66J.	PULVINAL BECLOM 200mcg pdr inh
c61U.	*BECLOMETHASONE rotahaler	c66K.	PULVINAL BECLOM 400mcg pdr inh
c65P.	FLUTICASONE 50mcg bth-act inh	c64k.	*BUDESONIDE 200 Cyclocaps
c65Q.	FLUTICASONE 100mcg bth-act inh	c64l.	*BUDESONIDE 400 Cyclocaps
c65R.	FLUTICASONE 250mcg bth-act inh	c64m.	*BUDESONIDE 200mcg inhal caps
c65S.	FLUTICASONE 500mcg bth-act inh	c64n.	*BUDESONIDE 400mcg inhal caps
c65T.	FLIXOTIDE 50mcg Accuhaler	c66L.	*BECLOMETASONE 100 cyclocaps
c65U.	FLIXOTIDE 100mcg Accuhaler	c66M.	*BECLOMETASONE 200 cyclocaps
c65V.	FLIXOTIDE 250mcg Accuhaler	c66N.	*BECLOMETASONE 400 cyclocaps
c65W.	FLIXOTIDE 500mcg Accuhaler	c64o.	*BUDESONIDE 200mcg inh+spacer
c61V.	*BECLOMETHASON 50mcg vortx inh	c64E.	*PULMICORT 200mcg inh+NebuChmb
c61W.	*BDP 50micrograms Spacehaler	c66P.	*BECODISK 100mcg diskhalr 15x8
c61X.	*BECLOMETHASO 100mcg vortx inh	c66Q.	*BECODISK 200mcg diskhalr 15x8
c61Y.	*BDP 100micrograms Spacehaler	c66R.	*BECODISK 400mcg diskhalr 15x8
c61Z.	*BECLOMETHASO 250mcg vortx inh	c66S.	*BECODISK 100mcg refill 15x8
c66..	BECLOMETASONE DIPROP [RESP 2]	c66T.	*BECODISK 200mcg refill 15x8
c661.	*BDP 250micrograms Spacehaler	c66U.	*BECODISK 400mcg refill 15x8
c662.	*BECOTIDE 50 EASI-BREATHE inh	c68..	MOMETASONE [RESPIRATORY USE]
c663.	*BECOTIDE 100 EASI-BREATHE inh	c681.	MOMETASONE 200mcg bth-act inh
c664.	*BECLOFORTE EASI-BREATHE inh	c682.	MOMETASONE 400mcg bth-act inh
c665.	QVAR 50 inhaler	c683.	ASMANEX TWISTHALER 200mcg inh
c666.	QVAR 100 inhaler	c684.	ASMANEX TWISTHALER 400mcg inh
c668.	QVAR 100 Autohaler	c67x.	BUDES+FORMOTER 400/12mcg inh

c673.	SYMBICORT 400/12 Turbohaler	c6A..	BECLOMETASONE+FORMOTEROL
c66V.	BECLOMETAS 50mcg CFC-free inh	c6A1.	FOSTAIR 100mcg/6mcg inhaler
c66W.	BECLOMETAS 100mcg CFC-free inh	c6Az.	BECLOMET+FORMOTER 100/6mcg inh
c66X.	BECLO 50mcg CFC-fr br-act inh	c64K.	*PULMICORT 100mcg CFC-free inh
c66Y.	BECLO 100mcg CFC-fr br-act inh	c64L.	*BUDESONIDE 100mcg CFC-fre inh
c64p.	NOVOLIZR BUDES 200mcg cart+inh	c64M.	*PULMICORT 200mcg CFC-free inh
c64u.	BUDESONDE 200mcg/dose cart+inh	c64N.	*BUDESONIDE 200mcg CFC-fre inh
c66Z.	QVAR EASI-BREATHE 50mcg inh	c1c..	FLUTICASONE+FORMOTEROL
c66a.	QVAR EASI-BREATHE 100mcg inh	c1c1.	FLUTIFORM 50mcg/5mcg inhaler
c69..	CICLESONIDE	c1cz.	FLUTICA+FORMOT 50mcg/5mcg inh
c69z.	CICLESONIDE 160mcg inhaler	c1c2.	FLUTIFORM 125mcg/5mcg inhaler
c69y.	CICLESONIDE 80mcg inhaler	c1cy.	FLUTICA+FORMOT 125mcg/5mcg inh
c692.	ALVESCO 80micrograms inhaler	c1c3.	FLUTIFORM 250mcg/10mcg inhaler
c691.	ALVESCO 160micrograms inhaler	c1cx.	FLUTIC+FORMOT 250mcg/10mcg inh
c64G.	NOVOLIZER 200mcg refill cart	c6B..	FLUTICASONE+VILANTEROL
c64F.	BUDESONIDE 200mcg cart refill	c6B1.	RELVAR ELLIPTA 184/22mcg inh
c66b.	EASYHALER BECLOMET 200mcg inh	c6B2.	FLUTC FUR+VILANT 184/22mcg inh
c64H.	EASYHALER BUDESONID 100mcg inh	c6B3.	RELVAR ELLIPTA 92mcg/22mcg inh
c64I.	EASYHALER BUDESONID 200mcg inh	c6B4.	FLUTIC FUR+VILANT 92/22mcg inh
c64J.	EASYHALER BUDESONID 400mcg inh	c6A2.	FOSTAIR NEXTHALER 100/6mcg inh
c66c.	CLENIL MODULITE 50mcg inhaler	c6Ay.	BECLOM+FORMOT 100/6mcg pdr inh
c66d.	CLENIL MODULITE 100mcg inhaler	c674.	DUORESP SPIROMX 160/4.5mcg inh
c66e.	CLENIL MODULITE 200mcg inhaler	c675.	DUORESP SPIROMAX 320/9mcg inh
c66g.	BECLOMETAS 200mcg CFC-free inh	c1D7.	SIRDUPLA 25mcg/125mcg inhaler
c66f.	CLENIL MODULITE 250mcg inhaler	c1D8.	SIRDUPLA 25mcg/250mcg inhaler
c66h.	BECLOMETAS 250mcg CFC-free inh		

Oral corticosteroids (Read codes v2)

fe61.	PREDNISOLONE 1mg tablets	fe6i.	PREDNISOLONE 5mg e/c tablets
fe62.	PREDNISOLONE 5mg tablets	fe6v.	PREDNISOLONE 2.5mg tablets
fe64.	*DELTA-PHORICOL 5mg tablets	fe6w.	*PREDNISOLONE 2.5mg tablets
fe65.	DELTACORTRIL ENTERIC 2.5mg tab	fe6z.	PREDNISOLONE 25mg tablets
fe66.	DELTACORTRIL ENTERIC 5mg tabs	fe6j.	PREDNISOLONE 5mg sol tablets
fe67.	*DELTALONE 1mg tablets	fe6k.	PREDNISOLONE 50mg tablets
fe68.	*DELTALONE 5mg tablets	fe6l.	DILACORT 5mg g/r tablets
fe69.	*DELTASTAB 1mg tablets	fe6m.	DILACORT 2.5mg g/r tablets
fe6a.	*DELTASTAB 5mg tablets	fe6n.	PEVANTI 2.5mg tablets
fe6c.	*PRECORTISYL 1mg tablets	fe6p.	PEVANTI 5mg tablets
fe6d.	*PRECORTISYL 5mg tablets	fe6q.	PEVANTI 10mg tablets
fe6e.	*PRECORTISYL FORTE 25mg tabs	fe6r.	PEVANTI 20mg tablets
fe6f.	*PREDNESOL 5mg tablets	fe6s.	PREDNISOLONE 20mg tablets
fe6g.	*SINTISONE 5mg tablets	fe6t.	PREDNISOLONE 10mg tablets
fe6h.	PREDNISOLONE 2.5mg e/c tablets	fe6o.	PEVANTI 25mg tablets