

**Supplementary document 1.** Data entry codes (READ version 2 codes) used to identify individuals with chronic cough and associated comorbidities.

<b>Description</b>	<b>Read code</b>	<b>Read code description</b>
Cough	171..	Cough
Cough	1712.	Dry cough
Cough	1713.	Productive cough -clear sputum
Cough	1714.	Productive cough -green sputum
Cough	1715.	Productive cough-yellow sputum
Cough	1716.	Productive cough NOS
Cough	1717.	Night cough present
Cough	1719.	Chesty cough
Cough	171A.	Chronic cough
Cough	171B.	Persistent cough
Cough	171C.	Morning cough
Cough	171D.	Evening cough
Cough	171E.	Unexplained cough
Cough	171J.	Reflux cough
Cough	171K.	Barking cough
Cough	171L.	Cough on exercise
Cough	171Z.	Cough symptom NOS
Cough	173B.	Nocturnal cough / wheeze
Cough	E2611	Psychogenic cough
Cough	H3101	Smokers' cough
Cough	R062.	[D]Cough
Cough	R0621	[D]Episodic dry cough
Cough	R0630	[D]Cough with haemorrhage
Cough	171H.	Difficulty in coughing up sputum
Cough	Eu453	[X]Psychogenic cough
Cough	171G.	Bovine cough
asthma	1731a	Borg breathless: 10 maximal
asthma	173A.	Exercise induced asthma
asthma	H3120	Chronic asthmatic bronchitis
asthma	H33..	Asthma
asthma	H330.	Extrinsic (atopic) asthma
asthma	H3300	Extrinsic asthma - no status
asthma	H3301	Extrinsic asthma + status
asthma	H330z	Extrinsic asthma NOS
asthma	H331.	Intrinsic asthma
asthma	H3310	Intrinsic asthma - no status
asthma	H3311	Intrinsic asthma + status
asthma	H331z	Intrinsic asthma NOS
asthma	H332.	Mixed asthma
asthma	H334.	Brittle asthma

asthma	H335.	Chron asthm w fix airflw obstr
asthma	H33z.	Asthma unspecified
asthma	H33z0	Status asthmaticus NOS
asthma	H33z1	Asthma attack
asthma	H33z2	Late-onset asthma
asthma	H33zz	Asthma NOS
asthma	H3B..	Asthma-COPD overlap syndrome
asthma	H333.	Acute Asthma
COPD	H3...	Chronic obstructive pulm.dis.
COPD	H30..	Bronchitis unspecified
COPD	H300.	Tracheobronchitis NOS
COPD	H301.	Laryngotracheobronchitis
COPD	H302.	Wheezy bronchitis
COPD	H30z.	Bronchitis NOS
COPD	H31..	Chronic bronchitis
COPD	H310.	Simple chronic bronchitis
COPD	H3100	Chronic catarrhal bronchitis
COPD	H310z	Simple chronic bronchitis NOS
COPD	H311.	Mucopurulent chr.bronchitis
COPD	H3110	Purulent chronic bronchitis
COPD	H3111	Fetid chronic bronchitis
COPD	H311z	Mucopurulent chr.bronchit.NOS
COPD	H312.	Obstructive chronic bronchitis
COPD	H3120	Chronic asthmatic bronchitis
COPD	H3121	Emphysematous bronchitis
COPD	H3122	Acute exacerbation of COAD
COPD	H3123	Bronchiolitis obliterans
COPD	H312z	Obstructive chr.bronchitis NOS
COPD	H313.	Mixd simp+mucopur chron bronch
COPD	H31y.	Other chronic bronchitis
COPD	H31y1	Chronic tracheobronchitis
COPD	H31yz	Other chronic bronchitis NOS
COPD	H31z.	Chronic bronchitis NOS
COPD	H32..	Emphysema
COPD	H320.	Chronic bullous emphysema
COPD	H3200	Segmental bullous emphysema
COPD	H3201	Zonal bullous emphysema
COPD	H3202	Giant bullous emphysema
COPD	H3203	Bullous emphysema + collapse
COPD	H320z	Chronic bullous emphysema NOS
COPD	H321.	Panlobular emphysema
COPD	H322.	Centrilobular emphysema
COPD	H32y.	Other emphysema
COPD	H32y0	Acute vesicular emphysema
COPD	H32y1	Atrophic (senile) emphysema
COPD	H32y2	MacLeod's unilateral emphysema

COPD	H32yz	Other emphysema NOS
COPD	H32z.	Emphysema NOS
COPD	H36..	Mild chron obstr pulm disease
COPD	H37..	Mod chron obstr pulm disease
COPD	H38..	Sev chron obstr pulm disease
COPD	H39..	Very severe COPD
COPD	H3A..	End stag chron obst airway dis
COPD	H3y..	Chronic obstr.airway dis.OS
COPD	H3y0.	Chr obs pulm dis+ac l resp inf
COPD	H3z..	Chronic obstr.airway dis.NOS
COPD	H4640	Chronic chemical emphysema
COPD	H4641	Chemical oblitter.bronchiolitis
COPD	H5832	Eosinophilic bronchitis
COPD	Hyu30	[X]Other emphysema
COPD	Hyu31	[X]O spcf chron obs pulmon dis
Rhinitis	H120.	Chronic rhinitis
Rhinitis	H1200	Chronic simple rhinitis
Rhinitis	H1201	Chronic catarrhal rhinitis
Rhinitis	H1202	Chronic hypertrophic rhinitis
Rhinitis	H1203	Chronic atrophic rhinitis
Rhinitis	H1204	Chronic infective rhinitis
Rhinitis	H1205	Chronic ulcerative rhinitis
Rhinitis	H1206	Chronic membranous rhinitis
Rhinitis	H1207	Chronic fibrinous rhinitis
Rhinitis	H120z	Chronic rhinitis NOS
Rhinitis	H17..	Allergic rhinitis
Rhinitis	H170.	Allergic rhinitis - pollens
Rhinitis	H171.	Allerg.rhinit.-other allergens
Rhinitis	H172.	Allergic rhinitis-unsp allerg
Rhinitis	H17z.	Allergic rhinitis NOS
Rhinitis	H18..	Vasomotor rhinitis
Rhinitis	Hyu20	[X]Oth seasonl allergc rhinitis
Rhinitis	Hyu21	[X]Other allergic rhinitis
Rhinitis	H014.	Acute rhinosinusitis
Rhinitis	H13..	Chronic sinusitis
Rhinitis	H17..	Allergic rhinitis
Reflux	J1011	Reflux oesophagitis
Reflux	J10y4	Oesoph reflux no oesophagitis
stress incontinence	1593	H/O: stress incontinence
stress incontinence	1A24.	Stress incontinence
stress incontinence	1A24.	Stress incontinence - symptom
stress incontinence	7B338	Insertion retropubic device stress urinary incontinence
stress incontinence	7B338	NEC
stress incontinence	7B33C	Insertion retropubic dev fem stress urinary incontinence
stress incontinence	7B33C	NEC
stress incontinence	K198.	Stress incontinence

stress incontinence	K586.	Stress incontinence - female
Smoking	137..	Tobacco consumption
Smoking	1372	Trivial smoker - < 1 cig/day
Smoking	1373	Light smoker - 1-9 cigs/day
Smoking	1374	Moderate smoker - 10-19 cigs/d
Smoking	1375	Heavy smoker - 20-39 cigs/day
Smoking	1376	Very heavy smoker - 40+cigs/d
Smoking	1377	Ex-trivial smoker (<1/day)
Smoking	1378	Ex-light smoker (1-9/day)
Smoking	1379	Ex-moderate smoker (10-19/day)
Smoking	137a.	Ex-heavy smoker (20-39/day)
Smoking	137a.	Pipe tobacco consumption
Smoking	137b.	Ex-very heavy smoker (40+/day)
Smoking	137b.	Ready to stop smoking
Smoking	137c.	Keeps trying to stop smoking
Smoking	137c.	Thinking about stop smoking
Smoking	137d.	Not interested in stop smoking
Smoking	137e.	Smoking restarted
Smoking	137e.	Tobacco consumption unknown
Smoking	137f.	Ex-smoker - amount unknown
Smoking	137f.	Reason for restarting smoking
Smoking	137G.	Trying to give up smoking
Smoking	137h.	Pipe smoker
Smoking	137j.	Cigar smoker
Smoking	137j.	Ex-cigarette smoker
Smoking	137K.	Stopped smoking
Smoking	137L.	Current non-smoker
Smoking	137M.	Failed attempt to stop smoking
Smoking	137M.	Rolls own cigarettes
Smoking	137N.	Ex pipe smoker
Smoking	137N.	Total time smoked
Smoking	137O.	Ex cigar smoker
Smoking	137O.	Waterpipe tobacco consumption
Smoking	137P.	Cigarette smoker
Smoking	137Q.	Smoking started
Smoking	137R.	Current smoker
Smoking	137S.	Ex smoker
Smoking	137T.	smoking
Smoking	137V.	Smoking reduced
Smoking	137X.	Cigarette consumption
Smoking	137Y.	Cigar consumption
Smoking	137Z.	Tobacco consumption NOS
BMI	22k..	Body mass index
Electronic frailty index	2Jd0.	Mild frailty
Electronic frailty index	2Jd1.	Moderate frailty
Electronic frailty index	2Jd2.	Severe frailty

Sickness	13O..	Sickness/invalidity benefit
Sickness	13O1.	Sickness benefit
Sickness	13OZ.	Sickness/invalid benefit NOS
Sickness	9D5..	Private sickness certificate
Sickness	9K8..	Sickness certificate
Sickness	1zzOA	Sickness
Sickness	9C8..	LOC1/2/3 - notic Sickness
Sickness	9C82.	LOC2 sickness notification
Sickness	9C83.	LOC3 sickness payment record
Sickness	9DC..	SC1 self certificate admin
Sickness	9DC2.	SC1 self certificate given
Sickness	9DL1.	SC2 self certificate given
PAM	38Qo.	Patient Activation Measure
PAM	38Qo4	Patient Activation Measure Level