

Variation in primary care diagnostic codes used to define health conditions for research: comparison of 45 Health Data Research UK Phenotype Library codelists for eight health conditions.

Supplementary Material

Contents:

Table S1a: Asthma codelists summary.....	3
Table S1b: Asthma codelists	4
Table S1c: Asthma Read codes present in codelists (335 distinct Read codes).....	26
Table S2a: Autism codelists summary	35
Table S2b: Autism codelists	36
Table S2c: Autism Read codes present in codelists (21 distinct Read codes).....	39
Table S3a: Coronary Heart Disease (CHD) codelists summary	40
Table S3b: Coronary Heart Disease (CHD) codelists	41
Table S3c: CHD Read codes present in codelists (130 distinct Read codes).....	52
Table S4a: Chronic Obstructive Pulmonary Disease (COPD) codelists summary	56
Table S4b: Chronic Obstructive Pulmonary Disease (COPD) codelists	57
Table S4c: COPD Read codes present in codelists (136 distinct Read codes).....	67
Table S5a: Depression codelists summary.....	71
Table S5b: Depression codelists.....	72
Table S5c: Depression Read codes present in codelists (187 distinct Read codes).....	98
Table S6a: Hypertension codelists summary	103
Table S6b: Hypertension codelists summary	104
Table S6c: Hypertension Read codes present in codelists (145 distinct Read codes)	120
Table S7a: Obesity codelists summary.....	124
Table S7b: Obesity codelists	125
Table S7c: Obesity Read codes present in codelists (90 distinct Read codes).....	131
Table S8a: Type 2 Diabetes codelists summary	134
Table S8b: Type 2 Diabetes codelists	135
Table S8c: Type 2 Diabetes Read codes present in codelists (646 distinct Read codes)	155
Table S9: Number of Read codes in each codelist examined, and how often codes in one codelist were also included in all codelists for each condition	171
Section 10: The process of classification of Read codes.....	173
Table S10a: Classification of all conditions for unique Read codes	176
Table S10b: Classification unique Read codes by condition	177
Table S10c: Classification unique Read codes by condition (grouped classifications)	178

Table S10d: Classification unique Read codes for each codelist in each condition.....	179
Table S11a: Kappa statistics (95% confidence intervals) for individual codelists: Asthma	181
Table S11b: Kappa statistics (95% confidence intervals) for individual codelists: Autism ¹	181
Table S11c: Kappa statistics (95% confidence intervals) for individual codelists: Coronary Heart Disease ¹	181
Table S11d: Kappa statistics (95% confidence intervals) for individual codelists: Chronic Obstructive Pulmonary Disease	182
Table S11e: Kappa statistics (95% confidence intervals) for individual codelists: Depression ²	182
Table S11f: Kappa statistics (95% confidence intervals) for individual codelists: Hypertension....	183
Table S11g: Kappa statistics (95% confidence intervals) for individual codelists: Obesity ³	183
Table S11h: Kappa statistics (95% confidence intervals) for individual codelists: Type 2 Diabetes ³	183
Table S12b: Kappa statistics for all codelists in a condition by classification of Read code (grouped)	184

Table S1a: Asthma codelists summary

Codelist	N Read codes	Link	Reference
ASTHMA1	247	https://phenotypes.healthdatagateway.org/phenotypes/PH782/version/2206/detail/	Luke Daines, Ann Morgan, Mome Mukherjee, Mohammad Al Sallakh, Eimear O'Rourke, Jennifer K Quint. PH782 / 2206 - Asthma Primary care. Phenotype Library [Online]. 04 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH782/version/2206/detail/. [Accessed 10 March 2025]
ASTHMA2	165	https://phenotypes.healthdatagateway.org/phenotypes/PH12/version/24/detail/	Eleanor L Axson, Jennifer K Quint. PH12 / 24 - Asthma. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH12/version/24/detail/. [Accessed 10 March 2025]
ASTHMA3	156	https://phenotypes.healthdatagateway.org/phenotypes/PH499/version/998/detail/	Evangelos Kontopantelis, David Reeves, Jose M Valderas, Stephen Campbell, Tim Doran. PH499 / 998 - Asthma. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH499/version/998/detail/. [Accessed 10 March 2025]
ASTHMA4	146	https://phenotypes.healthdatagateway.org/phenotypes/PH782/version/2206/detail/	Luke Daines, Ann Morgan, Mome Mukherjee, Mohammad Al Sallakh, Eimear O'Rourke, Jennifer K Quint. PH782 / 2206 - Asthma Primary care. Phenotype Library [Online]. 04 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH782/version/2206/detail/. [Accessed 10 March 2025]
ASTHMA5	42	https://phenotypes.healthdatagateway.org/phenotypes/PH109/version/218/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH109 / 218 - Asthma. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH109/version/218/detail/. [Accessed 10 March 2025]
ASTHMA6	40	https://phenotypes.healthdatagateway.org/phenotypes/PH623/version/1246/detail/	Siobhan Reilly, Ivan Olier, Claire Planner, Tim Doran, David Reeves, Darren M Ashcroft, Linda Gask, Evangelos Kontopantelis. PH623 / 1246 - Asthma. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH623/version/1246/detail/. [Accessed 10 March 2025]
ASTHMA7	40	https://phenotypes.healthdatagateway.org/phenotypes/PH500/version/1000/detail/	Evangelos Kontopantelis, Ivan Olier, Claire Planner, David Reeves, Darren M Ashcroft, Linda Gask, Tim Doran, Sioban Reilly. PH500 / 1000 - Asthma. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH500/version/1000/detail/. [Accessed 10 March 2025]
ASTHMA8	39	https://phenotypes.healthdatagateway.org/phenotypes/PH680/version/1360/detail/	S Jill Stocks, Evangelos Kontopantelis, Artur Akbarov, Sarah Rodgers, Anthony J Avery, Darren M Ashcroft. PH680 / 1360 - Asthma (P1). Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH680/version/1360/detail/. [Accessed 10 March 2025]

Table S1b: Asthma codelists

Concept ID (Concept version ID): C2421 (6242)
 Concept name Asthma Primary care - 1
 Phenotype ID (Phenotype version ID): PH782 (2206)
 Phenotype name: Asthma Primary care

condition	ref	Read code	description
Asthma	ASTHMA1	1780	Aspirin induced asthma
Asthma	ASTHMA1	1781	Asthma trigger - pollen
Asthma	ASTHMA1	1782	Asthma trigger - tobacco smoke
Asthma	ASTHMA1	1783	Asthma trigger - warm air
Asthma	ASTHMA1	1784	Asthma trigger - emotion
Asthma	ASTHMA1	1785	Asthma trigger - damp
Asthma	ASTHMA1	1786	Asthma trigger - animals
Asthma	ASTHMA1	1787	Asthma trigger – seasonal
Asthma	ASTHMA1	1788	Asthma trigger - cold air
Asthma	ASTHMA1	1789	Asthma trigger respiratory inf
Asthma	ASTHMA1	6635	Increasing exercise wheeze
Asthma	ASTHMA1	8791	Further asthma - drug prevent.
Asthma	ASTHMA1	8793	Asthma control step 0
Asthma	ASTHMA1	8794	Asthma control step 1
Asthma	ASTHMA1	8795	Asthma control step 2
Asthma	ASTHMA1	8796	Asthma control step 3
Asthma	ASTHMA1	8797	Asthma control step 4
Asthma	ASTHMA1	8798	Asthma control step 5
Asthma	ASTHMA1	2126200	Asthma resolved
Asthma	ASTHMA1	13Y4.00	Asthma society member
Asthma	ASTHMA1	14B4.00	H/O: asthma
Asthma	ASTHMA1	173A.00	Exercise induced asthma
Asthma	ASTHMA1	173c.00	Occupational asthma
Asthma	ASTHMA1	173d.00	Work aggravated asthma
Asthma	ASTHMA1	178..00	Asthma trigger
Asthma	ASTHMA1	178A.00	Asthma trigger - airborne dust
Asthma	ASTHMA1	178B.00	Asthma trigger - exercise
Asthma	ASTHMA1	1J70.00	Suspected asthma
Asthma	ASTHMA1	1O2..00	Asthma confirmed
Asthma	ASTHMA1	212G.00	Asthma resolved
Asthma	ASTHMA1	388t.00	RCP asthma assessment
Asthma	ASTHMA1	388t0	RCP asth assess 3 quest score
Asthma	ASTHMA1	38DL.00	Asthma control test
Asthma	ASTHMA1	38DT.00	Asthma control questionnaire
Asthma	ASTHMA1	38DV.00	Mini asthma QOL questionnaire
Asthma	ASTHMA1	661M1	Asthma self-manage plan agreed
Asthma	ASTHMA1	661N1	Asthma self-manage plan review
Asthma	ASTHMA1	663..00	Respiratory disease monitoring
Asthma	ASTHMA1	663d.00	Emerg asthm adm since 1st appt
Asthma	ASTHMA1	663e.00	Asthma restricts exercise
Asthma	ASTHMA1	663e0	Asthma sometime restr exercise

Asthma	ASTHMA1	663e1	Asthma severely restr exercise
Asthma	ASTHMA1	663f.00	Asthma never restrcts exercise
Asthma	ASTHMA1	663h.00	Asthma - currently dormant
Asthma	ASTHMA1	663j.00	Asthma - currently active
Asthma	ASTHMA1	663J.00	Airways obstruction reversible
Asthma	ASTHMA1	663m.00	Asth A&E attend since last vis
Asthma	ASTHMA1	663n.00	Asth treat compliance satisfac
Asthma	ASTHMA1	663N.00	Asthma disturbing sleep
Asthma	ASTHMA1	663N0	Asthma causing night waking
Asthma	ASTHMA1	663N1	Asthma disturbs sleep weekly
Asthma	ASTHMA1	663N2	Asthma disturbs sleep freqntly
Asthma	ASTHMA1	663O.00	Asthma not disturbing sleep
Asthma	ASTHMA1	663O0	Asthma never disturbs sleep
Asthma	ASTHMA1	663p.00	Asth treat compliance unsatisf
Asthma	ASTHMA1	663P.00	Asthma limiting activities
Asthma	ASTHMA1	663P0	Asthma limit act 1-2 time mth
Asthma	ASTHMA1	663P1	Asth limit activ 1 - 2 time wk
Asthma	ASTHMA1	663P2	Asthma limits activit most day
Asthma	ASTHMA1	663q.00	Asthma daytime symptoms
Asthma	ASTHMA1	663Q.00	Asthma not limiting activities
Asthma	ASTHMA1	663r.00	Asthma night symp 1-2 per mth
Asthma	ASTHMA1	663s.00	Asthma never causes day symps
Asthma	ASTHMA1	663t.00	Asthma day symp 1-2 per mth
Asthma	ASTHMA1	663u.00	Asthma day symp 1-2 per week
Asthma	ASTHMA1	663U.00	Asthma management plan given
Asthma	ASTHMA1	663v.00	Asthma daytime symps most days
Asthma	ASTHMA1	663V.00	Asthma severity
Asthma	ASTHMA1	663V0	Occasional asthma
Asthma	ASTHMA1	663V1	Mild asthma
Asthma	ASTHMA1	663V2	Moderate asthma
Asthma	ASTHMA1	663V3	Severe asthma
Asthma	ASTHMA1	663w.00	Asthm limits walk hills/stairs
Asthma	ASTHMA1	663W.00	Asthma prophylaxis used
Asthma	ASTHMA1	663x.00	Asthma limits walking on flat
Asthma	ASTHMA1	663y.00	Num asthm exacs in past year
Asthma	ASTHMA1	66Y5.00	Change in asthma managemt plan
Asthma	ASTHMA1	66Y9.00	Step up chnge asthm managmt pl
Asthma	ASTHMA1	66YA.00	Step down chnge asthm manag pl
Asthma	ASTHMA1	66Yc.00	Number of consecutive days at less than 80% peak expiratory flow rate
Asthma	ASTHMA1	66YC.00	Absent work/schl due to asthma
Asthma	ASTHMA1	66YE.00	Asthma monitoring due
Asthma	ASTHMA1	66YJ.00	Asthma annual review
Asthma	ASTHMA1	66YK.00	Asthma follow-up
Asthma	ASTHMA1	66Yp.00	Asthma review RCP 3 questions
Asthma	ASTHMA1	66YP.00	Asthma night-time symptoms
Asthma	ASTHMA1	66Yq.00	Asthma night symptom 1 to 2 wk
Asthma	ASTHMA1	66YQ.00	Asthma monitoring by nurse
Asthma	ASTHMA1	66Yr.00	Asthma cause sympt most nights

Asthma	ASTHMA1	66YR.00	Asthma monitoring by doctor
Asthma	ASTHMA1	66Ys.00	Asthma never caus night symptm
Asthma	ASTHMA1	66Yu.00	Num dy abs sch asthma pst 6 mn
Asthma	ASTHMA1	66YZ.00	Does not have asthma man plan
Asthma	ASTHMA1	679J.00	Health education - asthma
Asthma	ASTHMA1	679J0	Health educ - asthm self manag
Asthma	ASTHMA1	679J1	Heal educ - struct asthma disc
Asthma	ASTHMA1	679J2	Heal educ - struc foc ast disc
Asthma	ASTHMA1	68C3.00	Asthma screening
Asthma	ASTHMA1	8B3j.00	Asthma medication review
Asthma	ASTHMA1	8CE2.00	Asthma leaflet given
Asthma	ASTHMA1	8CMA0	Pat writt asthma pers act plan
Asthma	ASTHMA1	8CR0.00	Asthma clin management plan
Asthma	ASTHMA1	8H2P.00	Emergency admission, asthma
Asthma	ASTHMA1	8HTT.00	Referral to asthma clinic
Asthma	ASTHMA1	9hA..00	Except report: asthma qual ind
Asthma	ASTHMA1	9hA1.00	Except asthma qual ind: Pt uns
Asthma	ASTHMA1	9hA2.00	Excep asthma qual ind: Inf dis
Asthma	ASTHMA1	9N1d.00	Seen in asthma clinic
Asthma	ASTHMA1	9N4Q.00	Did not attend asthma clinic
Asthma	ASTHMA1	9NI8.00	Asthma outreach clinic
Asthma	ASTHMA1	9NNX.00	Under care asthma spclst nurse
Asthma	ASTHMA1	9OJ..00	Asthma monitoring admin.
Asthma	ASTHMA1	9OJ1.00	Attends asthma monitoring
Asthma	ASTHMA1	9OJ2.00	Refuses asthma monitoring
Asthma	ASTHMA1	9OJ3.00	Asthma monitor offer default
Asthma	ASTHMA1	9OJ4.00	Asthma monitor 1st letter
Asthma	ASTHMA1	9OJ5.00	Asthma monitor 2nd letter
Asthma	ASTHMA1	9OJ6.00	Asthma monitor 3rd letter
Asthma	ASTHMA1	9OJ7.00	Asthma monitor verbal invite
Asthma	ASTHMA1	9OJ8.00	Asthma monitor phone invite
Asthma	ASTHMA1	9OJ9.00	Asthma monitoring deleted
Asthma	ASTHMA1	9OJA.00	Asthma monitoring check done
Asthma	ASTHMA1	9OJZ.00	Asthma monitoring admin.NOS
Asthma	ASTHMA1	9Q21.00	Patient in asthma study
Asthma	ASTHMA1	G581.00	Left ventricular failure
Asthma	ASTHMA1	G581.11	Asthma - cardiac
Asthma	ASTHMA1	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA1	H312011	Chronic wheezy bronchitis
Asthma	ASTHMA1	H33..00	Asthma
Asthma	ASTHMA1	H33..11	Bronchial asthma
Asthma	ASTHMA1	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA1	H330.11	Allergic asthma
Asthma	ASTHMA1	H330.12	Childhood asthma
Asthma	ASTHMA1	H330.13	Hay fever with asthma
Asthma	ASTHMA1	H330.14	Pollen asthma
Asthma	ASTHMA1	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA1	H330011	Hay fever with asthma

Asthma	ASTHMA1	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA1	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA1	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA1	H331.00	Intrinsic asthma
Asthma	ASTHMA1	H331000	Intrinsic asthma - no status
Asthma	ASTHMA1	H331100	Intrinsic asthma + status
Asthma	ASTHMA1	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA1	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA1	H332.00	Mixed asthma
Asthma	ASTHMA1	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA1	H334.00	Brittle asthma
Asthma	ASTHMA1	H335.00	Chron asthm w fix airflw obstr
Asthma	ASTHMA1	H33z.00	Asthma unspecified
Asthma	ASTHMA1	H33z000	Status asthmaticus NOS
Asthma	ASTHMA1	H33z011	Severe asthma attack
Asthma	ASTHMA1	H33z100	Asthma attack
Asthma	ASTHMA1	H33z111	Hyperreactive airways disease
Asthma	ASTHMA1	H33z200	Late-onset asthma
Asthma	ASTHMA1	H33zz00	Asthma NOS
Asthma	ASTHMA1	H33zz11	Exercise induced asthma
Asthma	ASTHMA1	H33zz12	Allergic asthma NEC
Asthma	ASTHMA1	H33zz13	Allergic bronchitis NEC
Asthma	ASTHMA1	H35y600	Sequoiosis (red-cedar asthma)
Asthma	ASTHMA1	H35y700	Wood asthma
Asthma	ASTHMA1	H3B..00	Asthma-COPD overlap syndrome
Asthma	ASTHMA1	H47y000	Detergent asthma
Asthma	ASTHMA1	TJF7.00	AR - antiasthmatics
Asthma	ASTHMA1	TJF7300	AR - theophylline (asthma)
Asthma	ASTHMA1	TJF7z00	AR - antiasthmatic NOS
Asthma	ASTHMA1	U60F600	[X]Antiasthmatics adv eff,NEC
Asthma	ASTHMA1	U60F615	[X] Adverse reaction to theophylline - asthma
Asthma	ASTHMA1	Ua1AX00	Brittle asthma
Asthma	ASTHMA1	X101t	Childhood asthma
Asthma	ASTHMA1	X101u	Late onset asthma
Asthma	ASTHMA1	X101x	Allergic asthma
Asthma	ASTHMA1	X101y	Extrinsic asthma with asthma attack
Asthma	ASTHMA1	X101z	Allergic asthma NEC
Asthma	ASTHMA1	X1020	Hay fever with asthma
Asthma	ASTHMA1	X1021	Allergic non-atopic asthma
Asthma	ASTHMA1	X1022	Intrinsic asthma with asthma attack
Asthma	ASTHMA1	X1024	Aspirin-sensitive asthma with nasal polyps
Asthma	ASTHMA1	X1025	Occupational asthma
Asthma	ASTHMA1	X102D	Status asthmaticus
Asthma	ASTHMA1	Xa0IZ	Asthmatic bronchitis
Asthma	ASTHMA1	Xa9zf	Acute asthma
Asthma	ASTHMA1	Xaa7B	Chronic asthma with fixed airflow obstruction
Asthma	ASTHMA1	Xac33	Asthma-chronic obstructive pulmonary disease overlap syndrom
Asthma	ASTHMA1	XaDvK	Asthma currently active

Asthma	ASTHMA1	Xaleq	Asthma annual review
Asthma	ASTHMA1	XalFK	Asthma medication review
Asthma	ASTHMA1	XaIIW	Asthma accident and emergency since last visit
Asthma	ASTHMA1	XaIIX	Asthma treatment compliance satisfactory
Asthma	ASTHMA1	XaIIY	Asthma treatment compliance unsatisfactory
Asthma	ASTHMA1	XaIIZ	Asthma daytime symptoms
Asthma	ASTHMA1	XaINa	Asthma never causes daytime symptoms
Asthma	ASTHMA1	XaINb	Asthma causes daytime symptoms 1 to 2 times per month
Asthma	ASTHMA1	XaINc	Asthma causes daytime symptoms 1 to 2 times per week
Asthma	ASTHMA1	XaINd	Asthma causes daytime symptoms most days
Asthma	ASTHMA1	XaINf	Asthma limits walking up hills or stairs
Asthma	ASTHMA1	XaINg	Asthma limits walking on the flat
Asthma	ASTHMA1	XaINh	Number of asthma exacerbations in past year
Asthma	ASTHMA1	XaINZ	Asthma causes night time symptoms 1 to 2 times per month
Asthma	ASTHMA1	XaIoE	Asthma night-time symptoms
Asthma	ASTHMA1	XaIQ4	Change in asthma management plan
Asthma	ASTHMA1	XaIR3	Absent from work or school due to asthma
Asthma	ASTHMA1	XaIuG	Asthma confirmed
Asthma	ASTHMA1	XaJFG	Aspirin-induced asthma
Asthma	ASTHMA1	XaLIm	Asthma trigger - respiratory infection
Asthma	ASTHMA1	XaLI n	Asthma trigger - seasonal
Asthma	ASTHMA1	XaLIr	Asthma trigger - animals
Asthma	ASTHMA1	XaLJS	Asthma trigger - cold air
Asthma	ASTHMA1	XaLJT	Asthma trigger - damp
Asthma	ASTHMA1	XaLIU	Asthma trigger - emotional
Asthma	ASTHMA1	XaLPE	Nocturnal asthma
Asthma	ASTHMA1	XaNKw	Royal College of Physicians asthma assessment
Asthma	ASTHMA1	XaObi	Asthma trigger - airborne dust
Asthma	ASTHMA1	XaObj	Asthma trigger - exercise
Asthma	ASTHMA1	XaObk	Asthma trigger - pollen
Asthma	ASTHMA1	XaObl	Asthma trigger - tobacco smoke
Asthma	ASTHMA1	XaObm	Asthma trigger - warm air
Asthma	ASTHMA1	XaQHq	Asthma control test
Asthma	ASTHMA1	XaQig	Asthma control questionnaire
Asthma	ASTHMA1	XaQjh	Mini asthma quality of life questionnaire
Asthma	ASTHMA1	XaRFi	Patient has a written asthma personal action plan
Asthma	ASTHMA1	XaRFj	Health education - asthma self management
Asthma	ASTHMA1	XaRFk	Health education - structured asthma discussion
Asthma	ASTHMA1	XaRFI	Health education - structured patient focussed asthma discuss
Asthma	ASTHMA1	XaX3n	Asthma review using Roy Colleg of Physicians three questions
Asthma	ASTHMA1	XaXa0	Royal College Physician asthma assessment 3 question score
Asthma	ASTHMA1	XaXZm	Asthma causes night time symptoms 1 or 2 times per week
Asthma	ASTHMA1	XaXZp	Asthma causes symptoms most nights
Asthma	ASTHMA1	XaXZs	Asthma limits activities 1 to 2 times per month
Asthma	ASTHMA1	XaXZu	Asthma limits activities 1 to 2 times per week
Asthma	ASTHMA1	XaXZx	Asthma limits activities most days
Asthma	ASTHMA1	XaY2V	Asthma never causes night symptoms
Asthma	ASTHMA1	XaYb8	Asthma self-management plan agreed

Asthma	ASTHMA1	XaYZB	Asthma self-management plan review
Asthma	ASTHMA1	XaYZh	Number days absent from school due to asthma in past 6 month
Asthma	ASTHMA1	XEOYQ	Allergic atopic asthma
Asthma	ASTHMA1	XEOYR	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA1	XEOYS	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA1	XEOYT	Non-allergic asthma
Asthma	ASTHMA1	XEOYU	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA1	XEOYV	Status asthmaticus NOS
Asthma	ASTHMA1	XEOYW	Asthma attack
Asthma	ASTHMA1	XEOYX	Asthma NOS
Asthma	ASTHMA1	XEOZP	Extrinsic asthma - atopy (& pollen)
Asthma	ASTHMA1	XEOZR	Asthma: [intrinsic] or [late onset]
Asthma	ASTHMA1	XEOZT	Asthma: [NOS] or [attack]
Asthma	ASTHMA1	XM0s2	Asthma attack NOS

Concept ID (Concept version ID): C733 (2605)
 Concept name Asthma - Primary care
 Phenotype ID (Phenotype version ID): PH12 (24)
 Phenotype name: Asthma

condition	ref	Read code	description
Asthma	ASTHMA2	1780	Aspirin induced asthma
Asthma	ASTHMA2	1781	Asthma trigger - pollen
Asthma	ASTHMA2	1782	Asthma trigger - tobacco smoke
Asthma	ASTHMA2	1783	Asthma trigger - warm air
Asthma	ASTHMA2	1784	Asthma trigger - emotion
Asthma	ASTHMA2	1785	Asthma trigger - damp
Asthma	ASTHMA2	1786	Asthma trigger - animals
Asthma	ASTHMA2	1787	Asthma trigger - seasonal
Asthma	ASTHMA2	1788	Asthma trigger - cold air
Asthma	ASTHMA2	1789	Asthma trigger - respiratory infection
Asthma	ASTHMA2	8791	Further asthma - drug prevent.
Asthma	ASTHMA2	8793	Asthma control step 0
Asthma	ASTHMA2	8794	Asthma control step 1
Asthma	ASTHMA2	8795	Asthma control step 2
Asthma	ASTHMA2	8796	Asthma control step 3
Asthma	ASTHMA2	8797	Asthma control step 4
Asthma	ASTHMA2	8798	Asthma control step 5
Asthma	ASTHMA2	13Y4.00	Asthma society member
Asthma	ASTHMA2	14B4.00	H/O: asthma
Asthma	ASTHMA2	14Ok000	At risk severe asthma exacerbation
Asthma	ASTHMA2	173A.00	Exercise induced asthma
Asthma	ASTHMA2	173c.00	Occupational asthma
Asthma	ASTHMA2	173d.00	Work aggravated asthma
Asthma	ASTHMA2	178..00	Asthma trigger
Asthma	ASTHMA2	178A.00	Asthma trigger - airborne dust
Asthma	ASTHMA2	178B.00	Asthma trigger - exercise
Asthma	ASTHMA2	102..00	Asthma confirmed
Asthma	ASTHMA2	388t.00	Royal College of Physicians asthma assessment
Asthma	ASTHMA2	388t000	Royal College Physician asthma assessment 3 question score
Asthma	ASTHMA2	38B8.00	Severe asthma exacerbation risk assessment
Asthma	ASTHMA2	38DL.00	Asthma control test
Asthma	ASTHMA2	38DT.00	Asthma control questionnaire
Asthma	ASTHMA2	38DV.00	Mini asthma quality of life questionnaire
Asthma	ASTHMA2	38QM.00	Childhood Asthma Control Test
Asthma	ASTHMA2	661M100	Asthma self-management plan agreed
Asthma	ASTHMA2	661N100	Asthma self-management plan review
Asthma	ASTHMA2	663..11	Asthma monitoring
Asthma	ASTHMA2	663d.00	Emergency asthma admission since last appointment
Asthma	ASTHMA2	663e.00	Asthma restricts exercise
Asthma	ASTHMA2	663e0	Asthma sometimes restricts exercise
Asthma	ASTHMA2	663e1	Asthma severely restricts exercise
Asthma	ASTHMA2	663f.00	Asthma never restricts exercise
Asthma	ASTHMA2	663h.00	Asthma - currently dormant

Asthma	ASTHMA2	663j.00	Asthma - currently active
Asthma	ASTHMA2	663J.00	Airways obstruction reversible
Asthma	ASTHMA2	663m.00	Asthma accident and emergency attendance since last visit
Asthma	ASTHMA2	663n.00	Asthma treatment compliance satisfactory
Asthma	ASTHMA2	663N.00	Asthma disturbing sleep
Asthma	ASTHMA2	663N000	Asthma causing night waking
Asthma	ASTHMA2	663N100	Asthma disturbs sleep weekly
Asthma	ASTHMA2	663N200	Asthma disturbs sleep frequently
Asthma	ASTHMA2	663O.00	Asthma not disturbing sleep
Asthma	ASTHMA2	663O000	Asthma never disturbs sleep
Asthma	ASTHMA2	663p.00	Asthma treatment compliance unsatisfactory
Asthma	ASTHMA2	663P.00	Asthma limiting activities
Asthma	ASTHMA2	663P000	Asthma limits activities 1 to 2 times per month
Asthma	ASTHMA2	663P100	Asthma limits activities 1 to 2 times per week
Asthma	ASTHMA2	663P200	Asthma limits activities most days
Asthma	ASTHMA2	663q.00	Asthma daytime symptoms
Asthma	ASTHMA2	663Q.00	Asthma not limiting activities
Asthma	ASTHMA2	663r.00	Asthma causes night symptoms 1 to 2 times per month
Asthma	ASTHMA2	663s.00	Asthma never causes daytime symptoms
Asthma	ASTHMA2	663t.00	Asthma causes daytime symptoms 1 to 2 times per month
Asthma	ASTHMA2	663u.00	Asthma causes daytime symptoms 1 to 2 times per week
Asthma	ASTHMA2	663U.00	Asthma management plan given
Asthma	ASTHMA2	663v.00	Asthma causes daytime symptoms most days
Asthma	ASTHMA2	663V.00	Asthma severity
Asthma	ASTHMA2	663V000	Occasional asthma
Asthma	ASTHMA2	663V100	Mild asthma
Asthma	ASTHMA2	663V200	Moderate asthma
Asthma	ASTHMA2	663V300	Severe asthma
Asthma	ASTHMA2	663w.00	Asthma limits walking up hills or stairs
Asthma	ASTHMA2	663W.00	Asthma prophylactic medication used
Asthma	ASTHMA2	663x.00	Asthma limits walking on the flat
Asthma	ASTHMA2	663y.00	Number of asthma exacerbations in past year
Asthma	ASTHMA2	66Y5.00	Change in asthma management plan
Asthma	ASTHMA2	66Y9.00	Step up change in asthma management plan
Asthma	ASTHMA2	66YA.00	Step down change in asthma management plan
Asthma	ASTHMA2	66YC.00	Absent from work or school due to asthma
Asthma	ASTHMA2	66YE.00	Asthma monitoring due
Asthma	ASTHMA2	66YJ.00	Asthma annual review
Asthma	ASTHMA2	66YK.00	Asthma follow-up
Asthma	ASTHMA2	66Yp.00	Asthma review using Roy Colleg of Physicians three questions
Asthma	ASTHMA2	66YP.00	Asthma night-time symptoms
Asthma	ASTHMA2	66Yq.00	Asthma causes night time symptoms 1 to 2 times per week
Asthma	ASTHMA2	66YQ.00	Asthma monitoring by nurse
Asthma	ASTHMA2	66Yr.00	Asthma causes symptoms most nights
Asthma	ASTHMA2	66YR.00	Asthma monitoring by doctor
Asthma	ASTHMA2	66Ys.00	Asthma never causes night symptoms
Asthma	ASTHMA2	66Yu.00	Number days absent from school due to asthma in past 6 month
Asthma	ASTHMA2	66Yz000	Asthma management plan declined

Asthma	ASTHMA2	66Yz500	Telehealth asthma monitoring
Asthma	ASTHMA2	679J.00	Health education - asthma
Asthma	ASTHMA2	679J000	Health education - asthma self management
Asthma	ASTHMA2	679J100	Health education - structured asthma discussion
Asthma	ASTHMA2	679J200	Health education - structured patient focused asthma discuss
Asthma	ASTHMA2	8B3j.00	Asthma medication review
Asthma	ASTHMA2	8CE2.00	Asthma leaflet given
Asthma	ASTHMA2	8CMA000	Patient has a written asthma personal action plan
Asthma	ASTHMA2	8CR0.00	Asthma clinical management plan
Asthma	ASTHMA2	8H2P.00	Emergency admission, asthma
Asthma	ASTHMA2	8HTT.00	Referral to asthma clinic
Asthma	ASTHMA2	9hA..00	Exception reporting: asthma quality indicators
Asthma	ASTHMA2	9hA1.00	Excepted from asthma quality indicators: Patient unstable
Asthma	ASTHMA2	9hA2.00	Excepted from asthma quality indicators: Informed dissent
Asthma	ASTHMA2	9N1d.00	Seen in asthma clinic
Asthma	ASTHMA2	9N1d000	Seen in school asthma clinic
Asthma	ASTHMA2	9N4Q.00	DNA - Did not attend asthma clinic
Asthma	ASTHMA2	9NI8.00	Asthma outreach clinic
Asthma	ASTHMA2	9NNX.00	Under care of asthma specialist nurse
Asthma	ASTHMA2	9OJ..00	Asthma monitoring admin.
Asthma	ASTHMA2	9OJ..11	Asthma clinic administration
Asthma	ASTHMA2	9OJ1.00	Attends asthma monitoring
Asthma	ASTHMA2	9OJ2.00	Refuses asthma monitoring
Asthma	ASTHMA2	9OJ3.00	Asthma monitor offer default
Asthma	ASTHMA2	9OJ4.00	Asthma monitor 1st letter
Asthma	ASTHMA2	9OJ5.00	Asthma monitor 2nd letter
Asthma	ASTHMA2	9OJ6.00	Asthma monitor 3rd letter
Asthma	ASTHMA2	9OJ7.00	Asthma monitor verbal invite
Asthma	ASTHMA2	9OJ8.00	Asthma monitor phone invite
Asthma	ASTHMA2	9OJA.00	Asthma monitoring check done
Asthma	ASTHMA2	9OJA.11	Asthma monitored
Asthma	ASTHMA2	9OJB.00	Asthma monitoring invitation SMS (short message service) text message
Asthma	ASTHMA2	9OJB000	Asthma monitoring SMS (short message service) text message first invitation
Asthma	ASTHMA2	9OJB100	Asthma monitoring SMS (short message service) text message second invitation
Asthma	ASTHMA2	9OJB200	Asthma monitoring SMS (short message service) text message third invitation
Asthma	ASTHMA2	9OJC.00	Asthma monitoring invitation email
Asthma	ASTHMA2	9OJZ.00	Asthma monitoring admin.NOS
Asthma	ASTHMA2	9Q21.00	Patient in asthma study
Asthma	ASTHMA2	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA2	H33..00	Asthma
Asthma	ASTHMA2	H33..11	Bronchial asthma
Asthma	ASTHMA2	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA2	H330.11	Allergic asthma
Asthma	ASTHMA2	H330.12	Childhood asthma
Asthma	ASTHMA2	H330.13	Hay fever with asthma
Asthma	ASTHMA2	H330.14	Pollen asthma
Asthma	ASTHMA2	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA2	H330011	Hay fever with asthma

Asthma	ASTHMA2	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA2	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA2	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA2	H331.00	Intrinsic asthma
Asthma	ASTHMA2	H331.11	Late onset asthma
Asthma	ASTHMA2	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA2	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA2	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA2	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA2	H332.00	Mixed asthma
Asthma	ASTHMA2	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA2	H334.00	Brittle asthma
Asthma	ASTHMA2	H335.00	Chronic asthma with fixed airflow obstruction
Asthma	ASTHMA2	H33z.00	Asthma unspecified
Asthma	ASTHMA2	H33z000	Status asthmaticus NOS
Asthma	ASTHMA2	H33z011	Severe asthma attack
Asthma	ASTHMA2	H33z100	Asthma attack
Asthma	ASTHMA2	H33z111	Asthma attack NOS
Asthma	ASTHMA2	H33z200	Late-onset asthma
Asthma	ASTHMA2	H33zz00	Asthma NOS
Asthma	ASTHMA2	H33zz11	Exercise induced asthma
Asthma	ASTHMA2	H33zz12	Allergic asthma NEC
Asthma	ASTHMA2	H35y600	Sequoiosis (red-cedar asthma)
Asthma	ASTHMA2	H35y700	Wood asthma
Asthma	ASTHMA2	H3B..00	Asthma-chronic obstructive pulmonary disease overlap syndrome
Asthma	ASTHMA2	H47y000	Detergent asthma

Concept ID (Concept version ID): C1865 (4868)
 Concept name Asthma - Primary Care
 Phenotype ID (Phenotype version ID): PH499 (998)
 Phenotype name: Asthma

condition	ref	Read code	description
Asthma	ASTHMA3	1780	Aspirin induced asthma
Asthma	ASTHMA3	8791	Further asthma - drug prevent.
Asthma	ASTHMA3	8793	Asthma control step 0
Asthma	ASTHMA3	8794	Asthma control step 1
Asthma	ASTHMA3	8795	Asthma control step 2
Asthma	ASTHMA3	8796	Asthma control step 3
Asthma	ASTHMA3	8797	Asthma control step 4
Asthma	ASTHMA3	8798	Asthma control step 5
Asthma	ASTHMA3	2126200	Asthma resolved
Asthma	ASTHMA3	173A.00	Exercise induced asthma
Asthma	ASTHMA3	173c.00	Occupational asthma
Asthma	ASTHMA3	173d.00	Work aggravated asthma
Asthma	ASTHMA3	178..00	Asthma trigger
Asthma	ASTHMA3	102..00	Asthma confirmed
Asthma	ASTHMA3	212G.00	Asthma resolved
Asthma	ASTHMA3	663..11	Asthma monitoring
Asthma	ASTHMA3	663d.00	Emergency asthma admission since last appointment
Asthma	ASTHMA3	663e.00	Asthma restricts exercise
Asthma	ASTHMA3	663e0	Asthma sometimes restricts exercise
Asthma	ASTHMA3	663e1	Asthma severely restricts exercise
Asthma	ASTHMA3	663f.00	Asthma never restricts exercise
Asthma	ASTHMA3	663h.00	Asthma - currently dormant
Asthma	ASTHMA3	663j.00	Asthma - currently active
Asthma	ASTHMA3	663m.00	Asthma accident and emergency attendance since last visit
Asthma	ASTHMA3	663n.00	Asthma treatment compliance satisfactory
Asthma	ASTHMA3	663N.00	Asthma disturbing sleep
Asthma	ASTHMA3	663N000	Asthma causing night waking
Asthma	ASTHMA3	663N100	Asthma disturbs sleep weekly
Asthma	ASTHMA3	663N200	Asthma disturbs sleep frequently
Asthma	ASTHMA3	663O.00	Asthma not disturbing sleep
Asthma	ASTHMA3	663O000	Asthma never disturbs sleep
Asthma	ASTHMA3	663p.00	Asthma treatment compliance unsatisfactory
Asthma	ASTHMA3	663P.00	Asthma limiting activities
Asthma	ASTHMA3	663q.00	Asthma daytime symptoms
Asthma	ASTHMA3	663Q.00	Asthma not limiting activities
Asthma	ASTHMA3	663r.00	Asthma causes night symptoms 1 to 2 times per month
Asthma	ASTHMA3	663s.00	Asthma never causes daytime symptoms
Asthma	ASTHMA3	663t.00	Asthma causes daytime symptoms 1 to 2 times per month
Asthma	ASTHMA3	663u.00	Asthma causes daytime symptoms 1 to 2 times per week
Asthma	ASTHMA3	663U.00	Asthma management plan given
Asthma	ASTHMA3	663v.00	Asthma causes daytime symptoms most days
Asthma	ASTHMA3	663V.00	Asthma severity
Asthma	ASTHMA3	663V000	Occasional asthma

Asthma	ASTHMA3	663V100	Mild asthma
Asthma	ASTHMA3	663V200	Moderate asthma
Asthma	ASTHMA3	663V300	Severe asthma
Asthma	ASTHMA3	663w.00	Asthma limits walking up hills or stairs
Asthma	ASTHMA3	663W.00	Asthma prophylactic medication used
Asthma	ASTHMA3	663x.00	Asthma limits walking on the flat
Asthma	ASTHMA3	663y.00	Number of asthma exacerbations in past year
Asthma	ASTHMA3	66Y5.00	Change in asthma management plan
Asthma	ASTHMA3	66Y9.00	Step up change in asthma management plan
Asthma	ASTHMA3	66YA.00	Step down change in asthma management plan
Asthma	ASTHMA3	66YC.00	Absent from work or school due to asthma
Asthma	ASTHMA3	66YJ.00	Asthma annual review
Asthma	ASTHMA3	66YK.00	Asthma follow-up
Asthma	ASTHMA3	66YP.00	Asthma night-time symptoms
Asthma	ASTHMA3	66YQ.00	Asthma monitoring by nurse
Asthma	ASTHMA3	66YR.00	Asthma monitoring by doctor
Asthma	ASTHMA3	8B3j.00	Asthma medication review
Asthma	ASTHMA3	8CR0.00	Asthma clinical management plan
Asthma	ASTHMA3	8H2P.00	Emergency admission, asthma
Asthma	ASTHMA3	8HTT.00	Referral to asthma clinic
Asthma	ASTHMA3	9N1d.00	Seen in asthma clinic
Asthma	ASTHMA3	9NI8.00	Asthma outreach clinic
Asthma	ASTHMA3	9OJ1.00	Attends asthma monitoring
Asthma	ASTHMA3	9OJA.00	Asthma monitoring check done
Asthma	ASTHMA3	9OJA.11	Asthma monitored
Asthma	ASTHMA3	c109.00	Type II diabetes mellitus
Asthma	ASTHMA3	c11b.00	VENTOLIN sf syrup 2mg/5ml
Asthma	ASTHMA3	c11z.00	Other disorder of pancreatic internal secretion NOS
Asthma	ASTHMA3	c135.00	Diabetes insipidus
Asthma	ASTHMA3	c13G.00	Salbutamol 100micrograms breath-actuated aerosol inhaler
Asthma	ASTHMA3	c13I.00	AIROMIR cfc free inh 100micrograms/inhalation
Asthma	ASTHMA3	c13J.00	SALBUTAMOL cfc free inh 100micrograms/inhalation
Asthma	ASTHMA3	c13L.00	Salbutamol 200micrograms breath-actuated dry powder inhaler
Asthma	ASTHMA3	c13o.00	Salbutamol 5mg/2.5mL nebulisation unit
Asthma	ASTHMA3	c13T.00	Ventolin 100micrograms Evohaler
Asthma	ASTHMA3	c13U.00	Salbutamol 100mcg CFC-free breath-actuated aerosol inhaler
Asthma	ASTHMA3	c13v.00	SALBUTAMOL inh 100micrograms/inhalation
Asthma	ASTHMA3	c13w.00	SALBUTAMOL unit dose neb soln 2.5mg/2.5ml
Asthma	ASTHMA3	c14f.00	BRICANYL TURBOHALER 500micrograms
Asthma	ASTHMA3	c14j.00	Terbutaline sulphate 500micrograms breath-actuated dry powder inhaler
Asthma	ASTHMA3	c14w.00	Terbutaline sulphate 5mg/2mL nebulisation unit
Asthma	ASTHMA3	c191.00	Salmeterol 25micrograms inhaler
Asthma	ASTHMA3	c192.00	Serevent 25micrograms inhaler
Asthma	ASTHMA3	c198.00	SEREVENT ACCUHALER 50micrograms/actuation
Asthma	ASTHMA3	c1C4.00	Formoterol fumarate dihydrate 12micrograms breath-actuated dry powder inhaler
Asthma	ASTHMA3	c1D6.00	Seretide 250 Evohaler
Asthma	ASTHMA3	c1Du.00	Salmeterol+fluticasone propionate 25micrograms/50micrograms CFC-free inhaler
Asthma	ASTHMA3	c1Dv.00	SALMETEROL + FLUTICASONE cfc free inh 25micrograms + 125micrograms/actuation

Asthma	ASTHMA3	c1Dw.00	Salmeterol+fluticasone propionate 25micrograms/250micrograms CFC-free inhaler
Asthma	ASTHMA3	c1Dz.00	SALMETEROL + FLUTICASONE dry pdr inh 50micrograms+ 500micrograms/inhalation
Asthma	ASTHMA3	c1E1.00	Salamol Easi-Breathe 100micrograms CFC-free breath-actuated aerosol inhaler
Asthma	ASTHMA3	c1E7.00	Easyhaler Salbutamol 100micrograms breath-actuated dry powder inhaler
Asthma	ASTHMA3	c315.00	ATROVENT AUTOHALER breath act inh 20micrograms/actuation
Asthma	ASTHMA3	c31G.00	Atrovent 20micrograms CFC-free inhaler
Asthma	ASTHMA3	c31t.00	Ipratropium bromide 20micrograms CFC-free inhaler
Asthma	ASTHMA3	c31u.00	Ipratropium bromide 20micrograms breath-actuated aerosol inhaler
Asthma	ASTHMA3	c31x.00	Ipratropium bromide 20micrograms inhaler
Asthma	ASTHMA3	c332.00	Other paraproteinaemias
Asthma	ASTHMA3	c617.00	BECOTIDE 100 inh 100micrograms/actuation
Asthma	ASTHMA3	c61F.00	Beclometasone dipropionate 100micrograms breath-actuated aerosol inhaler
Asthma	ASTHMA3	c61i.00	Becotide 200 inhaler
Asthma	ASTHMA3	c61O.00	Beclazone 100 Easi-Breathe inhaler
Asthma	ASTHMA3	c61t.00	BECLOMETASONE inh 250micrograms/actuation
Asthma	ASTHMA3	c61u.00	Beclometasone dipropionate 200micrograms inhaler
Asthma	ASTHMA3	c61v.00	Beclometasone dipropionate 50micrograms inhaler
Asthma	ASTHMA3	c61x.00	Beclometasone dipropionate 200micrograms inhalation capsule
Asthma	ASTHMA3	c61z.00	BECLOMETASONE inh 100micrograms/actuation
Asthma	ASTHMA3	c648.00	Pulmicort 200micrograms Turbohaler 100dose
Asthma	ASTHMA3	c65f.00	Fluticasone propionate 50micrograms CFC-free inhaler
Asthma	ASTHMA3	c65V.00	FLIXOTIDE ACCUHALER 250micrograms/inhalation
Asthma	ASTHMA3	c663.00	BECOTIDE EASI-BREATHE breath act inh 100micrograms/actuation
Asthma	ASTHMA3	c665.00	Qvar 50 inhaler
Asthma	ASTHMA3	c66a.00	Qvar Easi-Breathe 100micrograms CFC-free breath-actuated dry powder inhaler
Asthma	ASTHMA3	c66B.00	Beclometasone dipropionate 100micrograms breath-actuated dry powder inhaler
Asthma	ASTHMA3	c672.00	Symbicort 200/6 Turbohaler
Asthma	ASTHMA3	cA11.00	Montelukast 10mg tablet
Asthma	ASTHMA3	cA15.00	Singulair Paediatric 4mg chewable tablet
Asthma	ASTHMA3	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA3	H33..00	Asthma
Asthma	ASTHMA3	H33..11	Bronchial asthma
Asthma	ASTHMA3	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA3	H330.11	Allergic asthma
Asthma	ASTHMA3	H330.12	Childhood asthma
Asthma	ASTHMA3	H330.13	Hay fever with asthma
Asthma	ASTHMA3	H330.14	Pollen asthma
Asthma	ASTHMA3	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA3	H330011	Hay fever with asthma
Asthma	ASTHMA3	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA3	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA3	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA3	H331.00	Intrinsic asthma
Asthma	ASTHMA3	H331.11	Late onset asthma
Asthma	ASTHMA3	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA3	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA3	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA3	H331z00	Intrinsic asthma NOS

Asthma	ASTHMA3	H332.00	Mixed asthma
Asthma	ASTHMA3	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA3	H334.00	Brittle asthma
Asthma	ASTHMA3	H33z.00	Asthma unspecified
Asthma	ASTHMA3	H33z.11	Hyperreactive airways disease
Asthma	ASTHMA3	H33z000	Status asthmaticus NOS
Asthma	ASTHMA3	H33z011	Severe asthma attack
Asthma	ASTHMA3	h33z100	Asthma attack
Asthma	ASTHMA3	H33z100	Asthma attack
Asthma	ASTHMA3	H33z111	Asthma attack NOS
Asthma	ASTHMA3	H33z200	Late-onset asthma
Asthma	ASTHMA3	H33zz00	Asthma NOS
Asthma	ASTHMA3	H33zz11	Exercise induced asthma
Asthma	ASTHMA3	H33zz12	Allergic asthma NEC
Asthma	ASTHMA3	H35y600	Sequoiosis (red-cedar asthma)
Asthma	ASTHMA3	H35y700	Wood asthma
Asthma	ASTHMA3	H47y000	Detergent asthma

Concept ID (Concept version ID): C2418 (6236)
 Concept name Asthma Primary care - BREATHE recommended - 1
 Phenotype ID (Phenotype version ID): PH782 (2206)
 Phenotype name: Asthma Primary care

condition	ref	Read code	description
Asthma	ASTHMA4	1780	Aspirin induced asthma
Asthma	ASTHMA4	1781	Asthma trigger - pollen
Asthma	ASTHMA4	1782	Asthma trigger - tobacco smoke
Asthma	ASTHMA4	1783	Asthma trigger - warm air
Asthma	ASTHMA4	1784	Asthma trigger - emotion
Asthma	ASTHMA4	1785	Asthma trigger - damp
Asthma	ASTHMA4	1786	Asthma trigger - animals
Asthma	ASTHMA4	1787	Asthma trigger - seasonal
Asthma	ASTHMA4	1788	Asthma trigger - cold air
Asthma	ASTHMA4	1789	Asthma trigger respiratory inf
Asthma	ASTHMA4	8793	Asthma control step 0
Asthma	ASTHMA4	8794	Asthma control step 1
Asthma	ASTHMA4	8795	Asthma control step 2
Asthma	ASTHMA4	8796	Asthma control step 3
Asthma	ASTHMA4	8797	Asthma control step 4
Asthma	ASTHMA4	8798	Asthma control step 5
Asthma	ASTHMA4	14B4.00	H/O: asthma
Asthma	ASTHMA4	173A.00	Exercise induced asthma
Asthma	ASTHMA4	173c.00	Occupational asthma
Asthma	ASTHMA4	173d.00	Work aggravated asthma
Asthma	ASTHMA4	178..00	Asthma trigger
Asthma	ASTHMA4	178A.00	Asthma trigger - airborne dust
Asthma	ASTHMA4	178B.00	Asthma trigger - exercise
Asthma	ASTHMA4	1O2..00	Asthma confirmed
Asthma	ASTHMA4	663d.00	Emerg asthm adm since 1st appt
Asthma	ASTHMA4	663e.00	Asthma restricts exercise
Asthma	ASTHMA4	663e0	Asthma sometime restr exercise
Asthma	ASTHMA4	663e1	Asthma severely restr exercise
Asthma	ASTHMA4	663f.00	Asthma never restrcts exercise
Asthma	ASTHMA4	663h.00	Asthma - currently dormant
Asthma	ASTHMA4	663j.00	Asthma - currently active
Asthma	ASTHMA4	663m.00	Asth A&E attend since last vis
Asthma	ASTHMA4	663n.00	Asth treat compliance satisfac
Asthma	ASTHMA4	663N.00	Asthma disturbing sleep
Asthma	ASTHMA4	663N000	Asthma causing night waking
Asthma	ASTHMA4	663N100	Asthma disturbs sleep weekly
Asthma	ASTHMA4	663N200	Asthma disturbs sleep freqntly
Asthma	ASTHMA4	663O.00	Asthma not disturbing sleep
Asthma	ASTHMA4	663O000	Asthma never disturbs sleep
Asthma	ASTHMA4	663p.00	Asth treat compliance unsatisf
Asthma	ASTHMA4	663P.00	Asthma limiting activities
Asthma	ASTHMA4	663P000	Asthma limit act 1-2 time mth
Asthma	ASTHMA4	663P100	Asth limit activ 1 - 2 time wk

Asthma	ASTHMA4	663P200	Asthma limits activit most day
Asthma	ASTHMA4	663q.00	Asthma daytime symptoms
Asthma	ASTHMA4	663Q.00	Asthma not limiting activities
Asthma	ASTHMA4	663r.00	Asthma night symp 1-2 per mth
Asthma	ASTHMA4	663s.00	Asthma never causes day symps
Asthma	ASTHMA4	663t.00	Asthma day symp 1-2 per mth
Asthma	ASTHMA4	663u.00	Asthma day symp 1-2 per week
Asthma	ASTHMA4	663U.00	Asthma management plan given
Asthma	ASTHMA4	663v.00	Asthma daytime symps most days
Asthma	ASTHMA4	663V.00	Asthma severity
Asthma	ASTHMA4	663V000	Occasional asthma
Asthma	ASTHMA4	663V100	Mild asthma
Asthma	ASTHMA4	663V200	Moderate asthma
Asthma	ASTHMA4	663V300	Severe asthma
Asthma	ASTHMA4	663w.00	Asthm limits walk hills/stairs
Asthma	ASTHMA4	663x.00	Asthma limits walking on flat
Asthma	ASTHMA4	663y.00	Num asthm exacs in past year
Asthma	ASTHMA4	66Y5.00	Change in asthma managemt plan
Asthma	ASTHMA4	66Y9.00	Step up chnge asthm managmt pl
Asthma	ASTHMA4	66YA.00	Step down chnge asthm manag pl
Asthma	ASTHMA4	66YC.00	Absent work/schl due to asthma
Asthma	ASTHMA4	66YJ.00	Asthma annual review
Asthma	ASTHMA4	66YK.00	Asthma follow-up
Asthma	ASTHMA4	66Yp.00	Asthma review RCP 3 questions
Asthma	ASTHMA4	66YP.00	Asthma night-time symptoms
Asthma	ASTHMA4	66Yq.00	Asthma night symptom 1 to 2 wk
Asthma	ASTHMA4	66YQ.00	Asthma monitoring by nurse
Asthma	ASTHMA4	66Yr.00	Asthma cause sympt most nights
Asthma	ASTHMA4	66YR.00	Asthma monitoring by doctor
Asthma	ASTHMA4	66Ys.00	Asthma never caus night symptm
Asthma	ASTHMA4	66Yu.00	Num dy abs sch asthma pst 6 mn
Asthma	ASTHMA4	679J000	Health educ - asthm self manag
Asthma	ASTHMA4	679J100	Heal educ - struct asthma disc
Asthma	ASTHMA4	679J200	Heal educ - struc foc ast disc
Asthma	ASTHMA4	8B3j.00	Asthma medication review
Asthma	ASTHMA4	8CMA000	Pat writt asthma pers act plan
Asthma	ASTHMA4	8CR0.00	Asthma clin management plan
Asthma	ASTHMA4	8H2P.00	Emergency admission, asthma
Asthma	ASTHMA4	9NNX.00	Under care asthma spclst nurse
Asthma	ASTHMA4	9OJ..00	Asthma monitoring admin.
Asthma	ASTHMA4	9OJ1.00	Attends asthma monitoring
Asthma	ASTHMA4	9OJA.00	Asthma monitoring check done
Asthma	ASTHMA4	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA4	H33..00	Asthma
Asthma	ASTHMA4	H33..11	Bronchial asthma
Asthma	ASTHMA4	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA4	H330.11	Allergic asthma
Asthma	ASTHMA4	H330.12	Childhood asthma

Asthma	ASTHMA4	H330.13	Hay fever with asthma
Asthma	ASTHMA4	H330.14	Pollen asthma
Asthma	ASTHMA4	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA4	H330011	Hay fever with asthma
Asthma	ASTHMA4	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA4	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA4	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA4	H331.00	Intrinsic asthma
Asthma	ASTHMA4	H331000	Intrinsic asthma - no status
Asthma	ASTHMA4	H331100	Intrinsic asthma + status
Asthma	ASTHMA4	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA4	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA4	H332.00	Mixed asthma
Asthma	ASTHMA4	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA4	H334.00	Brittle asthma
Asthma	ASTHMA4	H335.00	Chron asthm w fix airflw obstr
Asthma	ASTHMA4	H33z.00	Asthma unspecified
Asthma	ASTHMA4	H33z000	Status asthmaticus NOS
Asthma	ASTHMA4	H33z011	Severe asthma attack
Asthma	ASTHMA4	H33z100	Asthma attack
Asthma	ASTHMA4	H33z111	Asthma attack NOS
Asthma	ASTHMA4	H33z200	Late-onset asthma
Asthma	ASTHMA4	H33zz00	Asthma NOS
Asthma	ASTHMA4	H33zz11	Exercise induced asthma
Asthma	ASTHMA4	H33zz12	Allergic asthma NEC
Asthma	ASTHMA4	H35y700	Wood asthma
Asthma	ASTHMA4	H47y000	Detergent asthma
Asthma	ASTHMA4	Ua1AX00	Brittle asthma
Asthma	ASTHMA4	X101t	Childhood asthma
Asthma	ASTHMA4	X101u	Late onset asthma
Asthma	ASTHMA4	X101x	Allergic asthma
Asthma	ASTHMA4	X101y	Extrinsic asthma with asthma attack
Asthma	ASTHMA4	X101z	Allergic asthma NEC
Asthma	ASTHMA4	X1020	Hay fever with asthma
Asthma	ASTHMA4	X1021	Allergic non-atopic asthma
Asthma	ASTHMA4	X1022	Intrinsic asthma with asthma attack
Asthma	ASTHMA4	X1024	Aspirin-sensitive asthma with nasal polyps
Asthma	ASTHMA4	X102D	Status asthmaticus
Asthma	ASTHMA4	Xa0IZ	Asthmatic bronchitis
Asthma	ASTHMA4	Xa9zf	Acute asthma
Asthma	ASTHMA4	Xaa7B	Chronic asthma with fixed airflow obstruction
Asthma	ASTHMA4	Xac33	Asthma-chronic obstructive pulmonary disease overlap syndrom
Asthma	ASTHMA4	XaLPE	Nocturnal asthma
Asthma	ASTHMA4	XE0YQ	Allergic atopic asthma
Asthma	ASTHMA4	XE0YR	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA4	XE0YS	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA4	XE0YT	Non-allergic asthma
Asthma	ASTHMA4	XE0YU	Intrinsic asthma with status asthmaticus

Asthma	ASTHMA4	XE0YV	Status asthmaticus NOS
Asthma	ASTHMA4	XE0YW	Asthma attack
Asthma	ASTHMA4	XE0YX	Asthma NOS
Asthma	ASTHMA4	XE0ZP	Extrinsic asthma - atopy (& pollen)
Asthma	ASTHMA4	XE0ZR	Asthma: [intrinsic] or [late onset]
Asthma	ASTHMA4	XE0ZT	Asthma: [NOS] or [attack]
Asthma	ASTHMA4	XM0s2	Asthma attack NOS

Concept ID (Concept version ID): C992 (3123)
 Concept name Asthma - Primary care
 Phenotype ID (Phenotype version ID): PH109 (218)
 Phenotype name: Asthma

condition	ref	Read code	description
Asthma	ASTHMA5	1780	Aspirin induced asthma
Asthma	ASTHMA5	2126200	Asthma resolved
Asthma	ASTHMA5	14B4.00	H/O: asthma
Asthma	ASTHMA5	173A.00	Exercise induced asthma
Asthma	ASTHMA5	173c.00	Occupational asthma
Asthma	ASTHMA5	173d.00	Work aggravated asthma
Asthma	ASTHMA5	1O2..00	Asthma confirmed
Asthma	ASTHMA5	212G.00	Asthma resolved
Asthma	ASTHMA5	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA5	H33..00	Asthma
Asthma	ASTHMA5	H33..11	Bronchial asthma
Asthma	ASTHMA5	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA5	H330.11	Allergic asthma
Asthma	ASTHMA5	H330.12	Childhood asthma
Asthma	ASTHMA5	H330.13	Hay fever with asthma
Asthma	ASTHMA5	H330.14	Pollen asthma
Asthma	ASTHMA5	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA5	H330011	Hay fever with asthma
Asthma	ASTHMA5	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA5	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA5	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA5	H331.00	Intrinsic asthma
Asthma	ASTHMA5	H331.11	Late onset asthma
Asthma	ASTHMA5	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA5	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA5	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA5	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA5	H332.00	Mixed asthma
Asthma	ASTHMA5	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA5	H334.00	Brittle asthma
Asthma	ASTHMA5	H335.00	Chronic asthma with fixed airflow obstruction
Asthma	ASTHMA5	H33z.00	Asthma unspecified
Asthma	ASTHMA5	H33z.11	Hyperreactive airways disease
Asthma	ASTHMA5	H33z000	Status asthmaticus NOS
Asthma	ASTHMA5	H33z011	Severe asthma attack
Asthma	ASTHMA5	H33z100	Asthma attack
Asthma	ASTHMA5	H33z111	Asthma attack NOS
Asthma	ASTHMA5	H33z200	Late-onset asthma
Asthma	ASTHMA5	H33zz00	Asthma NOS
Asthma	ASTHMA5	H33zz11	Exercise induced asthma
Asthma	ASTHMA5	H33zz12	Allergic asthma NEC
Asthma	ASTHMA5	H33zz13	Allergic bronchitis NEC

Concept ID (Concept version ID): C2031 (5200)
 Concept name Asthma - Primary Care
 Phenotype ID (Phenotype version ID): PH623 (1246)
 Phenotype name: Asthma

condition	ref	Read code	description
Asthma	ASTHMA6	1780	Aspirin induced asthma
Asthma	ASTHMA6	173A.00	Exercise induced asthma
Asthma	ASTHMA6	173c.00	Occupational asthma
Asthma	ASTHMA6	173d.00	Work aggravated asthma
Asthma	ASTHMA6	102..00	Asthma confirmed
Asthma	ASTHMA6	663j.00	Asthma - currently active
Asthma	ASTHMA6	663V000	Occasional asthma
Asthma	ASTHMA6	663V100	Mild asthma
Asthma	ASTHMA6	663V200	Moderate asthma
Asthma	ASTHMA6	663V300	Severe asthma
Asthma	ASTHMA6	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA6	H33..00	Asthma
Asthma	ASTHMA6	H33..11	Bronchial asthma
Asthma	ASTHMA6	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA6	H330.11	Allergic asthma
Asthma	ASTHMA6	H330.12	Childhood asthma
Asthma	ASTHMA6	H330.13	Hay fever with asthma
Asthma	ASTHMA6	H330.14	Pollen asthma
Asthma	ASTHMA6	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA6	H330011	Hay fever with asthma
Asthma	ASTHMA6	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA6	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA6	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA6	H331.00	Intrinsic asthma
Asthma	ASTHMA6	H331.11	Late onset asthma
Asthma	ASTHMA6	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA6	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA6	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA6	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA6	H332.00	Mixed asthma
Asthma	ASTHMA6	H334.00	Brittle asthma
Asthma	ASTHMA6	H33z.00	Asthma unspecified
Asthma	ASTHMA6	H33z.11	Hyperreactive airways disease
Asthma	ASTHMA6	H33z200	Late-onset asthma
Asthma	ASTHMA6	H33zz00	Asthma NOS
Asthma	ASTHMA6	H33zz11	Exercise induced asthma
Asthma	ASTHMA6	H33zz12	Allergic asthma NEC
Asthma	ASTHMA6	H35y600	Sequoiosis (red-cedar asthma)
Asthma	ASTHMA6	H35y700	Wood asthma
Asthma	ASTHMA6	H47y000	Detergent asthma

Concept ID (Concept version ID): C1867 (4872)
 Concept name Asthma - Primary Care
 Phenotype ID (Phenotype version ID): PH500 (1000)
 Phenotype name: Asthma

condition	ref	Read code	description
Asthma	ASTHMA7	1780	Aspirin induced asthma
Asthma	ASTHMA7	173A.00	Exercise induced asthma
Asthma	ASTHMA7	173c.00	Occupational asthma
Asthma	ASTHMA7	173d.00	Work aggravated asthma
Asthma	ASTHMA7	102..00	Asthma confirmed
Asthma	ASTHMA7	663j.00	Asthma - currently active
Asthma	ASTHMA7	663V000	Occasional asthma
Asthma	ASTHMA7	663V100	Mild asthma
Asthma	ASTHMA7	663V200	Moderate asthma
Asthma	ASTHMA7	663V300	Severe asthma
Asthma	ASTHMA7	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA7	H33..00	Asthma
Asthma	ASTHMA7	H33..11	Bronchial asthma
Asthma	ASTHMA7	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA7	H330.11	Allergic asthma
Asthma	ASTHMA7	H330.12	Childhood asthma
Asthma	ASTHMA7	H330.13	Hay fever with asthma
Asthma	ASTHMA7	H330.14	Pollen asthma
Asthma	ASTHMA7	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA7	H330011	Hay fever with asthma
Asthma	ASTHMA7	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA7	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA7	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA7	H331.00	Intrinsic asthma
Asthma	ASTHMA7	H331.11	Late onset asthma
Asthma	ASTHMA7	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA7	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA7	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA7	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA7	H332.00	Mixed asthma
Asthma	ASTHMA7	H334.00	Brittle asthma
Asthma	ASTHMA7	H33z.00	Asthma unspecified
Asthma	ASTHMA7	H33z.11	Hyperreactive airways disease
Asthma	ASTHMA7	H33z200	Late-onset asthma
Asthma	ASTHMA7	H33zz00	Asthma NOS
Asthma	ASTHMA7	H33zz11	Exercise induced asthma
Asthma	ASTHMA7	H33zz12	Allergic asthma NEC
Asthma	ASTHMA7	H35y600	Sequoiosis (red-cedar asthma)
Asthma	ASTHMA7	H35y700	Wood asthma
Asthma	ASTHMA7	H47y000	Detergent asthma

Concept ID (Concept version ID): C2100 (5338)
 Concept name Asthma (P1) - Primary Care
 Phenotype ID (Phenotype version ID): PH680 (1360)
 Phenotype name: Asthma (P1)

condition	ref	Read code	description
Asthma	ASTHMA8	2126200	Asthma resolved
Asthma	ASTHMA8	14B4.00	H/O: asthma
Asthma	ASTHMA8	173d.00	Work aggravated asthma
Asthma	ASTHMA8	102..00	Asthma confirmed
Asthma	ASTHMA8	212G.00	Asthma resolved
Asthma	ASTHMA8	8H2P.00	Emergency admission, asthma
Asthma	ASTHMA8	H312000	Chronic asthmatic bronchitis
Asthma	ASTHMA8	H312011	Chronic wheezy bronchitis
Asthma	ASTHMA8	H33..00	Asthma
Asthma	ASTHMA8	H33..11	Bronchial asthma
Asthma	ASTHMA8	H330.00	Extrinsic (atopic) asthma
Asthma	ASTHMA8	H330.11	Allergic asthma
Asthma	ASTHMA8	H330.12	Childhood asthma
Asthma	ASTHMA8	H330.13	Hay fever with asthma
Asthma	ASTHMA8	H330.14	Pollen asthma
Asthma	ASTHMA8	H330000	Extrinsic asthma without status asthmaticus
Asthma	ASTHMA8	H330011	Hay fever with asthma
Asthma	ASTHMA8	H330100	Extrinsic asthma with status asthmaticus
Asthma	ASTHMA8	H330111	Extrinsic asthma with asthma attack
Asthma	ASTHMA8	H330z00	Extrinsic asthma NOS
Asthma	ASTHMA8	H331.00	Intrinsic asthma
Asthma	ASTHMA8	H331.11	Late onset asthma
Asthma	ASTHMA8	H331000	Intrinsic asthma without status asthmaticus
Asthma	ASTHMA8	H331100	Intrinsic asthma with status asthmaticus
Asthma	ASTHMA8	H331111	Intrinsic asthma with asthma attack
Asthma	ASTHMA8	H331z00	Intrinsic asthma NOS
Asthma	ASTHMA8	H332.00	Mixed asthma
Asthma	ASTHMA8	H333.00	Acute exacerbation of asthma
Asthma	ASTHMA8	H334.00	Brittle asthma
Asthma	ASTHMA8	H33z.00	Asthma unspecified
Asthma	ASTHMA8	H33z000	Status asthmaticus NOS
Asthma	ASTHMA8	H33z011	Severe asthma attack
Asthma	ASTHMA8	H33z100	Asthma attack
Asthma	ASTHMA8	H33z111	Asthma attack NOS
Asthma	ASTHMA8	H33z200	Late-onset asthma
Asthma	ASTHMA8	H33zz00	Asthma NOS
Asthma	ASTHMA8	H33zz11	Exercise induced asthma
Asthma	ASTHMA8	H33zz12	Allergic asthma NEC
Asthma	ASTHMA8	H47y000	Detergent asthma

Table S1c: Asthma Read codes present in codelists (335 distinct Read codes)

Code	Description	Present in the codelist								Total codelists present in
		ASTHMA1	ASTHMA2	ASTHMA3	ASTHMA4	ASTHMA5	ASTHMA6	ASTHMA7	ASTHMA8	
173d.00	work aggravated asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
102..00	asthma confirmed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H312000	chronic asthmatic bronchitis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33..00	asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33..11	bronchial asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330.00	extrinsic (atopic) asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330.11	allergic asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330.12	childhood asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330.13	hay fever with asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330.14	pollen asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330000	extrinsic asthma without status asthmaticus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330011	hay fever with asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330100	extrinsic asthma with status asthmaticus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330111	extrinsic asthma with asthma attack	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H330z00	extrinsic asthma nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H331.00	intrinsic asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H331000	intrinsic asthma without status asthmaticus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H331100	intrinsic asthma with status asthmaticus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H331111	intrinsic asthma with asthma attack	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H331z00	intrinsic asthma nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H332.00	mixed asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H334.00	brittle asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33z.00	asthma unspecified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33z200	late-onset asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33zz00	asthma nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33zz11	exercise induced asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
H33zz12	allergic asthma nec	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
173A.00	exercise induced asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
173c.00	occupational asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
1780	aspirin induced asthma	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
H47y000	detergent asthma	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	7
663j.00	asthma - currently active	Yes	Yes	Yes	Yes	No	Yes	Yes	No	6
H331.11	late onset asthma	No	Yes	Yes	No	Yes	Yes	Yes	Yes	6
H333.00	acute exacerbation of asthma	Yes	Yes	Yes	Yes	Yes	No	No	Yes	6
H33z000	status asthmaticus nos	Yes	Yes	Yes	Yes	Yes	No	No	Yes	6
H33z011	severe asthma attack	Yes	Yes	Yes	Yes	Yes	No	No	Yes	6
H33z100	asthma attack	Yes	Yes	Yes	Yes	Yes	No	No	Yes	6
H33z111	asthma attack nos	Yes	Yes	Yes	Yes	Yes	No	No	Yes	6

H35y700	wood asthma	Yes	Yes	Yes	Yes	No	Yes	Yes	No	6
14B4.00	h/o: asthma	Yes	Yes	No	Yes	Yes	No	No	Yes	5
663V000	occasional asthma	No	Yes	Yes	Yes	No	Yes	Yes	No	5
663V100	mild asthma	No	Yes	Yes	Yes	No	Yes	Yes	No	5
663V200	moderate asthma	No	Yes	Yes	Yes	No	Yes	Yes	No	5
663V300	severe asthma	No	Yes	Yes	Yes	No	Yes	Yes	No	5
8H2P.00	emergency admission, asthma	Yes	Yes	Yes	Yes	No	No	No	Yes	5
H35y600	sequoiosis (red-cedar asthma)	Yes	Yes	Yes	No	No	Yes	Yes	No	5
178..00	asthma trigger	Yes	Yes	Yes	Yes	No	No	No	No	4
2126200	asthma resolved	Yes	No	Yes	No	Yes	No	No	Yes	4
212G.00	asthma resolved	Yes	No	Yes	No	Yes	No	No	Yes	4
663N.00	asthma disturbing sleep	Yes	Yes	Yes	Yes	No	No	No	No	4
663O.00	asthma not disturbing sleep	Yes	Yes	Yes	Yes	No	No	No	No	4
663P.00	asthma limiting activities	Yes	Yes	Yes	Yes	No	No	No	No	4
663Q.00	asthma not limiting activities	Yes	Yes	Yes	Yes	No	No	No	No	4
663U.00	asthma management plan given	Yes	Yes	Yes	Yes	No	No	No	No	4
663V.00	asthma severity	Yes	Yes	Yes	Yes	No	No	No	No	4
663d.00	emerg asthm adm since 1st appt	Yes	Yes	Yes	Yes	No	No	No	No	4
663e.00	asthma restricts exercise	Yes	Yes	Yes	Yes	No	No	No	No	4
6.63E+02	asthma sometimes restricts exercise	Yes	Yes	Yes	Yes	No	No	No	No	4
6.63E+03	asthma severely restricts exercise	Yes	Yes	Yes	Yes	No	No	No	No	4
663f.00	asthma never restricts exercise	Yes	Yes	Yes	Yes	No	No	No	No	4
663h.00	asthma - currently dormant	Yes	Yes	Yes	Yes	No	No	No	No	4
663m.00	asthma accident and emergency attendance since last visit	Yes	Yes	Yes	Yes	No	No	No	No	4
663n.00	asth treat compliance satisfac	Yes	Yes	Yes	Yes	No	No	No	No	4
663p.00	asth treat compliance unsatisf	Yes	Yes	Yes	Yes	No	No	No	No	4
663q.00	asthma daytime symptoms	Yes	Yes	Yes	Yes	No	No	No	No	4
663r.00	asthma night symp 1-2 per mth	Yes	Yes	Yes	Yes	No	No	No	No	4
663s.00	asthma never causes daytime symptoms	Yes	Yes	Yes	Yes	No	No	No	No	4
663t.00	asthma causes daytime symptoms 1 to 2 times per month	Yes	Yes	Yes	Yes	No	No	No	No	4
663u.00	asthma causes daytime symptoms 1 to 2 times per week	Yes	Yes	Yes	Yes	No	No	No	No	4
663v.00	asthma daytime symps most days	Yes	Yes	Yes	Yes	No	No	No	No	4
663w.00	asthm limits walk hills/stairs	Yes	Yes	Yes	Yes	No	No	No	No	4
663x.00	asthma limits walking on flat	Yes	Yes	Yes	Yes	No	No	No	No	4
663y.00	num asthm exacs in past year	Yes	Yes	Yes	Yes	No	No	No	No	4
66Y5.00	change in asthma management plan	Yes	Yes	Yes	Yes	No	No	No	No	4
66Y9.00	step up change in asthma management plan	Yes	Yes	Yes	Yes	No	No	No	No	4
66YA.00	step down change in asthma management plan	Yes	Yes	Yes	Yes	No	No	No	No	4
66YC.00	absent from work or school due to asthma	Yes	Yes	Yes	Yes	No	No	No	No	4
66YJ.00	asthma annual review	Yes	Yes	Yes	Yes	No	No	No	No	4
66YK.00	asthma follow-up	Yes	Yes	Yes	Yes	No	No	No	No	4
66YP.00	asthma night-time symptoms	Yes	Yes	Yes	Yes	No	No	No	No	4

66YQ.00	asthma monitoring by nurse	Yes	Yes	Yes	Yes	No	No	No	No	4
66YR.00	asthma monitoring by doctor	Yes	Yes	Yes	Yes	No	No	No	No	4
8793	asthma control step 0	Yes	Yes	Yes	Yes	No	No	No	No	4
8794	asthma control step 1	Yes	Yes	Yes	Yes	No	No	No	No	4
8795	asthma control step 2	Yes	Yes	Yes	Yes	No	No	No	No	4
8796	asthma control step 3	Yes	Yes	Yes	Yes	No	No	No	No	4
8797	asthma control step 4	Yes	Yes	Yes	Yes	No	No	No	No	4
8798	asthma control step 5	Yes	Yes	Yes	Yes	No	No	No	No	4
8B3j.00	asthma medication review	Yes	Yes	Yes	Yes	No	No	No	No	4
8CR0.00	asthma clinical management plan	Yes	Yes	Yes	Yes	No	No	No	No	4
9OJ1.00	attends asthma monitoring	Yes	Yes	Yes	Yes	No	No	No	No	4
9OJA.00	asthma monitoring check done	Yes	Yes	Yes	Yes	No	No	No	No	4
H335.00	chronic asthma with fixed airflow obstruction	Yes	Yes	No	Yes	Yes	No	No	No	4
H33z.11	hyperreactive airways disease	No	No	Yes	No	Yes	Yes	Yes	No	4
1781	asthma trigger - pollen	Yes	Yes	No	Yes	No	No	No	No	3
1782	asthma trigger - tobacco smoke	Yes	Yes	No	Yes	No	No	No	No	3
1783	asthma trigger - warm air	Yes	Yes	No	Yes	No	No	No	No	3
1784	asthma trigger - emotion	Yes	Yes	No	Yes	No	No	No	No	3
1785	asthma trigger - damp	Yes	Yes	No	Yes	No	No	No	No	3
1786	asthma trigger - animals	Yes	Yes	No	Yes	No	No	No	No	3
1787	asthma trigger - seasonal	Yes	Yes	No	Yes	No	No	No	No	3
1788	asthma trigger - cold air	Yes	Yes	No	Yes	No	No	No	No	3
1789	asthma trigger respiratory inf	Yes	Yes	No	Yes	No	No	No	No	3
178A.00	asthma trigger - airborne dust	Yes	Yes	No	Yes	No	No	No	No	3
178B.00	asthma trigger - exercise	Yes	Yes	No	Yes	No	No	No	No	3
663N000	asthma causing night waking	No	Yes	Yes	Yes	No	No	No	No	3
663N100	asthma disturbs sleep weekly	No	Yes	Yes	Yes	No	No	No	No	3
663N200	asthma disturbs sleep freqntly	No	Yes	Yes	Yes	No	No	No	No	3
663O000	asthma never disturbs sleep	No	Yes	Yes	Yes	No	No	No	No	3
663W.00	asthma prophylaxis used	Yes	Yes	Yes	No	No	No	No	No	3
66Yp.00	asthma review rcp 3 questions	Yes	Yes	No	Yes	No	No	No	No	3
66Yq.00	asthma night symptom 1 to 2 wk	Yes	Yes	No	Yes	No	No	No	No	3
66Yr.00	asthma cause sympt most nights	Yes	Yes	No	Yes	No	No	No	No	3
66Ys.00	asthma never caus night symptm	Yes	Yes	No	Yes	No	No	No	No	3
66Yu.00	number days absent from school due to asthma in past 6 month	Yes	Yes	No	Yes	No	No	No	No	3
8791	further asthma - drug prevent.	Yes	Yes	Yes	No	No	No	No	No	3
8HTT.00	referral to asthma clinic	Yes	Yes	Yes	No	No	No	No	No	3
9N1d.00	seen in asthma clinic	Yes	Yes	Yes	No	No	No	No	No	3
9NI8.00	asthma outreach clinic	Yes	Yes	Yes	No	No	No	No	No	3
9NNX.00	under care asthma splst nurse	Yes	Yes	No	Yes	No	No	No	No	3
9OJ..00	asthma monitoring admin.	Yes	Yes	No	Yes	No	No	No	No	3
13Y4.00	asthma society member	Yes	Yes	No	No	No	No	No	No	2

388t.00	royal college of physicians asthma assessment	Yes	Yes	No	No	No	No	No	No	2
38DL.00	asthma control test	Yes	Yes	No	No	No	No	No	No	2
38DT.00	asthma control questionnaire	Yes	Yes	No	No	No	No	No	No	2
38DV.00	mini asthma qol questionnaire	Yes	Yes	No	No	No	No	No	No	2
663..11	asthma monitoring	No	Yes	Yes	No	No	No	No	No	2
663J.00	airways obstruction reversible	Yes	Yes	No	No	No	No	No	No	2
663P000	asthma limit act 1-2 time mth	No	Yes	No	Yes	No	No	No	No	2
663P100	asthma limits activities 1 to 2 times per week	No	Yes	No	Yes	No	No	No	No	2
663P200	asthma limits activities most days	No	Yes	No	Yes	No	No	No	No	2
66YE.00	asthma monitoring due	Yes	Yes	No	No	No	No	No	No	2
679J.00	health education - asthma	Yes	Yes	No	No	No	No	No	No	2
679J000	health education - asthma self management	No	Yes	No	Yes	No	No	No	No	2
679J100	health education - structured asthma discussion	No	Yes	No	Yes	No	No	No	No	2
679J200	heal educ - struc foc ast disc	No	Yes	No	Yes	No	No	No	No	2
8CE2.00	asthma leaflet given	Yes	Yes	No	No	No	No	No	No	2
8CMA000	patient has a written asthma personal action plan	No	Yes	No	Yes	No	No	No	No	2
9N4Q.00	did not attend asthma clinic	Yes	Yes	No	No	No	No	No	No	2
9OJ2.00	refuses asthma monitoring	Yes	Yes	No	No	No	No	No	No	2
9OJ3.00	asthma monitor offer default	Yes	Yes	No	No	No	No	No	No	2
9OJ4.00	asthma monitor 1st letter	Yes	Yes	No	No	No	No	No	No	2
9OJ5.00	asthma monitor 2nd letter	Yes	Yes	No	No	No	No	No	No	2
9OJ6.00	asthma monitor 3rd letter	Yes	Yes	No	No	No	No	No	No	2
9OJ7.00	asthma monitor verbal invite	Yes	Yes	No	No	No	No	No	No	2
9OJ8.00	asthma monitor phone invite	Yes	Yes	No	No	No	No	No	No	2
9OJA.11	asthma monitored	No	Yes	Yes	No	No	No	No	No	2
9OJZ.00	asthma monitoring admin.nos	Yes	Yes	No	No	No	No	No	No	2
9Q21.00	patient in asthma study	Yes	Yes	No	No	No	No	No	No	2
9hA..00	exception reporting: asthma quality indicators	Yes	Yes	No	No	No	No	No	No	2
9hA1.00	excepted from asthma quality indicators: patient unstable	Yes	Yes	No	No	No	No	No	No	2
9hA2.00	excepted from asthma quality indicators: informed dissent	Yes	Yes	No	No	No	No	No	No	2
H312011	chronic wheezy bronchitis	Yes	No	No	No	No	No	No	Yes	2
H33zz13	allergic bronchitis nec	Yes	No	No	No	Yes	No	No	No	2
H3B..00	asthma-copd overlap syndrome	Yes	Yes	No	No	No	No	No	No	2
Ua1AX00	brittle asthma	Yes	No	No	Yes	No	No	No	No	2
X101t	childhood asthma	Yes	No	No	Yes	No	No	No	No	2
X101u	late onset asthma	Yes	No	No	Yes	No	No	No	No	2
X101x	allergic asthma	Yes	No	No	Yes	No	No	No	No	2
X101y	extrinsic asthma with asthma attack	Yes	No	No	Yes	No	No	No	No	2
X101z	allergic asthma nec	Yes	No	No	Yes	No	No	No	No	2
X1020	hay fever with asthma	Yes	No	No	Yes	No	No	No	No	2
X1021	allergic non-atopic asthma	Yes	No	No	Yes	No	No	No	No	2
X1022	intrinsic asthma with asthma attack	Yes	No	No	Yes	No	No	No	No	2

X1024	aspirin-sensitive asthma with nasal polyps	Yes	No	No	Yes	No	No	No	No	2
X102D	status asthmaticus	Yes	No	No	Yes	No	No	No	No	2
XE0YQ	allergic atopic asthma	Yes	No	No	Yes	No	No	No	No	2
XE0YR	extrinsic asthma without status asthmaticus	Yes	No	No	Yes	No	No	No	No	2
XE0YS	extrinsic asthma with status asthmaticus	Yes	No	No	Yes	No	No	No	No	2
XE0YT	non-allergic asthma	Yes	No	No	Yes	No	No	No	No	2
XE0YU	intrinsic asthma with status asthmaticus	Yes	No	No	Yes	No	No	No	No	2
XE0YV	status asthmaticus nos	Yes	No	No	Yes	No	No	No	No	2
XE0YW	asthma attack	Yes	No	No	Yes	No	No	No	No	2
XE0YX	asthma nos	Yes	No	No	Yes	No	No	No	No	2
XE0ZP	extrinsic asthma - atopy (& pollen)	Yes	No	No	Yes	No	No	No	No	2
XE0ZR	asthma: [intrinsic] or [late onset]	Yes	No	No	Yes	No	No	No	No	2
XE0ZT	asthma: [nos] or [attack]	Yes	No	No	Yes	No	No	No	No	2
XM0s2	asthma attack nos	Yes	No	No	Yes	No	No	No	No	2
Xa0IZ	asthmatic bronchitis	Yes	No	No	Yes	No	No	No	No	2
Xa9zf	acute asthma	Yes	No	No	Yes	No	No	No	No	2
XaLPE	nocturnal asthma	Yes	No	No	Yes	No	No	No	No	2
Xaa7B	chronic asthma with fixed airflow obstruction	Yes	No	No	Yes	No	No	No	No	2
Xac33	asthma-chronic obstructive pulmonary disease overlap syndrom	Yes	No	No	Yes	No	No	No	No	2
14Ok000	at risk severe asthma exacerbation	No	Yes	No	No	No	No	No	No	1
1J70.00	suspected asthma	Yes	No	No	No	No	No	No	No	1
388t0	rcp asth assess 3 quest score	Yes	No	No	No	No	No	No	No	1
388t000	royal college physician asthma assessment 3 question score	No	Yes	No	No	No	No	No	No	1
38B8.00	severe asthma exacerbation risk assessment	No	Yes	No	No	No	No	No	No	1
38QM.00	childhood asthma control test	No	Yes	No	No	No	No	No	No	1
661M1	asthma self-manage plan agreed	Yes	No	No	No	No	No	No	No	1
661M100	asthma self-management plan agreed	No	Yes	No	No	No	No	No	No	1
661N1	asthma self-manage plan review	Yes	No	No	No	No	No	No	No	1
661N100	asthma self-management plan review	No	Yes	No	No	No	No	No	No	1
663..00	respiratory disease monitoring	Yes	No	No	No	No	No	No	No	1
6635	increasing exercise wheeze	Yes	No	No	No	No	No	No	No	1
663N0	asthma causing night waking	Yes	No	No	No	No	No	No	No	1
663N1	asthma disturbs sleep weekly	Yes	No	No	No	No	No	No	No	1
663N2	asthma disturbs sleep freqntly	Yes	No	No	No	No	No	No	No	1
663O0	asthma never disturbs sleep	Yes	No	No	No	No	No	No	No	1
663P0	asthma limit act 1-2 time mth	Yes	No	No	No	No	No	No	No	1
663P1	asth limit activ 1 - 2 time wk	Yes	No	No	No	No	No	No	No	1
663P2	asthma limits activit most day	Yes	No	No	No	No	No	No	No	1
663V0	occasional asthma	Yes	No	No	No	No	No	No	No	1
663V1	mild asthma	Yes	No	No	No	No	No	No	No	1
663V2	moderate asthma	Yes	No	No	No	No	No	No	No	1
663V3	severe asthma	Yes	No	No	No	No	No	No	No	1

66YZ.00	does not have asthma man plan	Yes	No	No	No	No	No	No	No	1
	number of consecutive days at less than 80% peak									
66Yc.00	expiratory flow rate	Yes	No	No	No	No	No	No	No	1
66Yz000	asthma management plan declined	No	Yes	No	No	No	No	No	No	1
66Yz500	telehealth asthma monitoring	No	Yes	No	No	No	No	No	No	1
679J0	health educ - asthm self manag	Yes	No	No	No	No	No	No	No	1
679J1	heal educ - struct asthma disc	Yes	No	No	No	No	No	No	No	1
679J2	heal educ - struc foc ast disc	Yes	No	No	No	No	No	No	No	1
68C3.00	asthma screening	Yes	No	No	No	No	No	No	No	1
8CMA0	pat writt asthma pers act plan	Yes	No	No	No	No	No	No	No	1
9N1d000	seen in school asthma clinic	No	Yes	No	No	No	No	No	No	1
9OJ..11	asthma clinic administration	No	Yes	No	No	No	No	No	No	1
9OJ9.00	asthma monitoring deleted	Yes	No	No	No	No	No	No	No	1
	asthma monitoring invitation sms (short message service)									
9OJB.00	text message	No	Yes	No	No	No	No	No	No	1
	asthma monitoring sms (short message service) text									
9OJB000	message first invitation	No	Yes	No	No	No	No	No	No	1
	asthma monitoring sms (short message service) text									
9OJB100	message second invitation	No	Yes	No	No	No	No	No	No	1
	asthma monitoring sms (short message service) text									
9OJB200	message third invitation	No	Yes	No	No	No	No	No	No	1
9OJC.00	asthma monitoring invitation email	No	Yes	No	No	No	No	No	No	1
G581.00	left ventricular failure	Yes	No	No	No	No	No	No	No	1
G581.11	asthma - cardiac	Yes	No	No	No	No	No	No	No	1
TJF7.00	ar - antiasthmatics	Yes	No	No	No	No	No	No	No	1
TJF7300	ar - theophylline (asthma)	Yes	No	No	No	No	No	No	No	1
TJF7z00	ar - antiasthmatic nos	Yes	No	No	No	No	No	No	No	1
U60F600	[x]antiasthmatics adv eff,nec	Yes	No	No	No	No	No	No	No	1
U60F615	[x] adverse reaction to theophylline - asthma	Yes	No	No	No	No	No	No	No	1
X1025	occupational asthma	Yes	No	No	No	No	No	No	No	1
XaDvK	asthma currently active	Yes	No	No	No	No	No	No	No	1
XaIIW	asthma accident and emergency since last visit	Yes	No	No	No	No	No	No	No	1
XaIIX	asthma treatment compliance satisfactory	Yes	No	No	No	No	No	No	No	1
XaIIY	asthma treatment compliance unsatisfactory	Yes	No	No	No	No	No	No	No	1
XaIIZ	asthma daytime symptoms	Yes	No	No	No	No	No	No	No	1
	asthma causes night time symptoms 1 to 2 times per									
XaINZ	month	Yes	No	No	No	No	No	No	No	1
XaINa	asthma never causes daytime symptoms	Yes	No	No	No	No	No	No	No	1
XaINb	asthma causes daytime symptoms 1 to 2 times per month	Yes	No	No	No	No	No	No	No	1
XaINc	asthma causes daytime symptoms 1 to 2 times per week	Yes	No	No	No	No	No	No	No	1
XaINd	asthma causes daytime symptoms most days	Yes	No	No	No	No	No	No	No	1
XaINf	asthma limits walking up hills or stairs	Yes	No	No	No	No	No	No	No	1
XaINg	asthma limits walking on the flat	Yes	No	No	No	No	No	No	No	1

XaINh	number of asthma exacerbations in past year	Yes	No	No	No	No	No	No	No	1
XaIQ4	change in asthma management plan	Yes	No	No	No	No	No	No	No	1
XaIR3	absent from work or school due to asthma	Yes	No	No	No	No	No	No	No	1
Xaleq	asthma annual review	Yes	No	No	No	No	No	No	No	1
XaIfK	asthma medication review	Yes	No	No	No	No	No	No	No	1
XaIoE	asthma night-time symptoms	Yes	No	No	No	No	No	No	No	1
XaluG	asthma confirmed	Yes	No	No	No	No	No	No	No	1
XaJFG	aspirin-induced asthma	Yes	No	No	No	No	No	No	No	1
XaLIIm	asthma trigger - respiratory infection	Yes	No	No	No	No	No	No	No	1
XaLIIn	asthma trigger - seasonal	Yes	No	No	No	No	No	No	No	1
XaLIr	asthma trigger - animals	Yes	No	No	No	No	No	No	No	1
XaLJS	asthma trigger - cold air	Yes	No	No	No	No	No	No	No	1
XaLJT	asthma trigger - damp	Yes	No	No	No	No	No	No	No	1
XaLIU	asthma trigger - emotional	Yes	No	No	No	No	No	No	No	1
XaNKw	royal college of physicians asthma assessment	Yes	No	No	No	No	No	No	No	1
XaObi	asthma trigger - airborne dust	Yes	No	No	No	No	No	No	No	1
XaObj	asthma trigger - exercise	Yes	No	No	No	No	No	No	No	1
XaObk	asthma trigger - pollen	Yes	No	No	No	No	No	No	No	1
XaObl	asthma trigger - tobacco smoke	Yes	No	No	No	No	No	No	No	1
XaObm	asthma trigger - warm air	Yes	No	No	No	No	No	No	No	1
XaQHq	asthma control test	Yes	No	No	No	No	No	No	No	1
XaQig	asthma control questionnaire	Yes	No	No	No	No	No	No	No	1
XaQih	mini asthma quality of life questionnaire	Yes	No	No	No	No	No	No	No	1
XaRFi	patient has a written asthma personal action plan	Yes	No	No	No	No	No	No	No	1
XaRFj	health education - asthma self management	Yes	No	No	No	No	No	No	No	1
XaRFk	health education - structured asthma discussion	Yes	No	No	No	No	No	No	No	1
XaRFI	health education - structured patient focussed asthma discuss	Yes	No	No	No	No	No	No	No	1
XaX3n	asthma review using roy colleg of physicians three questions	Yes	No	No	No	No	No	No	No	1
XaXZm	asthma causes night time symptoms 1 or 2 times per week	Yes	No	No	No	No	No	No	No	1
XaXZp	asthma causes symptoms most nights	Yes	No	No	No	No	No	No	No	1
XaXZs	asthma limits activities 1 to 2 times per month	Yes	No	No	No	No	No	No	No	1
XaXZu	asthma limits activities 1 to 2 times per week	Yes	No	No	No	No	No	No	No	1
XaXZx	asthma limits activities most days	Yes	No	No	No	No	No	No	No	1
XaXa0	royal college physician asthma assessment 3 question score	Yes	No	No	No	No	No	No	No	1
XaY2V	asthma never causes night symptoms	Yes	No	No	No	No	No	No	No	1
XaYZB	asthma self-management plan review	Yes	No	No	No	No	No	No	No	1
XaYZh	number days absent from school due to asthma in past 6 month	Yes	No	No	No	No	No	No	No	1
XaYb8	asthma self-management plan agreed	Yes	No	No	No	No	No	No	No	1
c109.00	type ii diabetes mellitus	No	No	Yes	No	No	No	No	No	1
c11b.00	ventolin sf syrup 2mg/5ml	No	No	Yes	No	No	No	No	No	1

c11z.00	other disorder of pancreatic internal secretion nos	No	No	Yes	No	No	No	No	No	1
c135.00	diabetes insipidus	No	No	Yes	No	No	No	No	No	1
c13G.00	salbutamol 100micrograms breath-actuated aerosol inhaler	No	No	Yes	No	No	No	No	No	1
c13I.00	airomir cfc free inh 100micrograms/inhalation	No	No	Yes	No	No	No	No	No	1
c13J.00	salbutamol cfc free inh 100micrograms/inhalation	No	No	Yes	No	No	No	No	No	1
	salbutamol 200micrograms breath-actuated dry powder									
c13L.00	inhaler	No	No	Yes	No	No	No	No	No	1
c13T.00	ventolin 100micrograms evohaler	No	No	Yes	No	No	No	No	No	1
	salbutamol 100mcg cfc-free breath-actuated aerosol									
c13U.00	inhaler	No	No	Yes	No	No	No	No	No	1
c13o.00	salbutamol 5mg/2.5ml nebulisation unit	No	No	Yes	No	No	No	No	No	1
c13v.00	salbutamol inh 100micrograms/inhalation	No	No	Yes	No	No	No	No	No	1
c13w.00	salbutamol unit dose neb soln 2.5mg/2.5ml	No	No	Yes	No	No	No	No	No	1
c14f.00	bricanyl turbohaler 500micrograms	No	No	Yes	No	No	No	No	No	1
	terbutaline sulphate 500micrograms breath-actuated dry									
c14j.00	powder inhaler	No	No	Yes	No	No	No	No	No	1
c14w.00	terbutaline sulphate 5mg/2ml nebulisation unit	No	No	Yes	No	No	No	No	No	1
c191.00	salmeterol 25micrograms inhaler	No	No	Yes	No	No	No	No	No	1
c192.00	serevent 25micrograms inhaler	No	No	Yes	No	No	No	No	No	1
c198.00	serevent accuhaler 50micrograms/actuation	No	No	Yes	No	No	No	No	No	1
	formoterol fumarate dihydrate 12micrograms breath-									
c1C4.00	actuated dry powder inhaler	No	No	Yes	No	No	No	No	No	1
c1D6.00	seretide 250 evohaler	No	No	Yes	No	No	No	No	No	1
	salmeterol+fluticasone propionate									
c1Du.00	25micrograms/50micrograms cfc-free inhaler	No	No	Yes	No	No	No	No	No	1
	salmeterol + fluticasone cfc free inh 25micrograms +									
c1Dv.00	125micrograms/actuation	No	No	Yes	No	No	No	No	No	1
	salmeterol+fluticasone propionate									
c1Dw.00	25micrograms/250micrograms cfc-free inhaler	No	No	Yes	No	No	No	No	No	1
	salmeterol + fluticasone dry pdr inh 50micrograms+									
c1Dz.00	500micrograms/inhalation	No	No	Yes	No	No	No	No	No	1
	salamol easi-breathe 100micrograms cfc-free breath-									
c1E1.00	actuated aerosol inhaler	No	No	Yes	No	No	No	No	No	1
	easyhaler salbutamol 100micrograms breath-actuated dry									
c1E7.00	powder inhaler	No	No	Yes	No	No	No	No	No	1
c315.00	atrovent autohaler breath act inh 20micrograms/actuation	No	No	Yes	No	No	No	No	No	1
c31G.00	atrovent 20micrograms cfc-free inhaler	No	No	Yes	No	No	No	No	No	1
c31t.00	ipratropium bromide 20micrograms cfc-free inhaler	No	No	Yes	No	No	No	No	No	1
	ipratropium bromide 20micrograms breath-actuated									
c31u.00	aerosol inhaler	No	No	Yes	No	No	No	No	No	1
c31x.00	ipratropium bromide 20micrograms inhaler	No	No	Yes	No	No	No	No	No	1
c332.00	other paraproteinaemias	No	No	Yes	No	No	No	No	No	1
c617.00	becotide 100 inh 100micrograms/actuation	No	No	Yes	No	No	No	No	No	1

c61F.00	beclometasone dipropionate 100micrograms breath-actuated aerosol inhaler	No	No	Yes	No	No	No	No	No	1
c61O.00	beclazone 100 easi-breathe inhaler	No	No	Yes	No	No	No	No	No	1
c61i.00	becotide 200 inhaler	No	No	Yes	No	No	No	No	No	1
c61t.00	beclometasone inh 250micrograms/actuation	No	No	Yes	No	No	No	No	No	1
c61u.00	beclometasone dipropionate 200micrograms inhaler	No	No	Yes	No	No	No	No	No	1
c61v.00	beclometasone dipropionate 50micrograms inhaler	No	No	Yes	No	No	No	No	No	1
c61x.00	beclometasone dipropionate 200micrograms inhalation capsule	No	No	Yes	No	No	No	No	No	1
c61z.00	beclometasone inh 100micrograms/actuation	No	No	Yes	No	No	No	No	No	1
c648.00	pulmicort 200micrograms turbohaler 100dose	No	No	Yes	No	No	No	No	No	1
c65V.00	flixotide accuhaler 250micrograms/inhalation	No	No	Yes	No	No	No	No	No	1
c65f.00	fluticasone propionate 50micrograms cfc-free inhaler	No	No	Yes	No	No	No	No	No	1
c663.00	becotide easi-breathe breath act inh 100micrograms/actuation	No	No	Yes	No	No	No	No	No	1
c665.00	qvar 50 inhaler	No	No	Yes	No	No	No	No	No	1
c66B.00	beclometasone dipropionate 100micrograms breath-actuated dry powder inhaler	No	No	Yes	No	No	No	No	No	1
c66a.00	qvar easi-breathe 100micrograms cfc-free breath-actuated dry powder inhaler	No	No	Yes	No	No	No	No	No	1
c672.00	ymbicort 200/6 turbohaler	No	No	Yes	No	No	No	No	No	1
cA11.00	montelukast 10mg tablet	No	No	Yes	No	No	No	No	No	1
cA15.00	singulair paediatric 4mg chewable tablet	No	No	Yes	No	No	No	No	No	1
h33z100	asthma attack	No	No	Yes	No	No	No	No	No	1

Table S2a: Autism codelists summary

Codelist	N Read codes	Link	Reference
AUTISM1	19	https://phenotypes.healthdatagateway.org/phenotypes/PH583/version/1166/detail/	Catherine Morgan, Roger T Webb, Mathew J Carr, Evangelos Kontopantelis, Jonathan Green, Carolyn A Chew-Graham, Nav Kapur, Darren M Aschcroft. PH583 / 1166 - Autism Spectrum. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH583/version/1166/detail/ . [Accessed 10 March 2025]
AUTISM2	16	https://phenotypes.healthdatagateway.org/phenotypes/PH110/version/220/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH110 / 220 - Autism and Asperger's syndrome. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH110/version/220/detail/ . [Accessed 10 March 2025]
AUTISM3	8	https://phenotypes.healthdatagateway.org/phenotypes/PH933/version/3523/detail/	Underwood, J. F., DelPozo-Banos, M., Frizzati, A., John, A., & Hall, J. (2022). Evidence of increasing recorded diagnosis of autism spectrum disorders in Wales, UK: An e-cohort study. <i>Autism</i> , 26(6), 1499–1508.

Table S2b: Autism codelists

Concept ID (Concept version ID): C1988 (5114)
 Concept name Autism Spectrum - Primary Care
 Phenotype ID (Phenotype version ID): PH583 (1166)
 Phenotype name: Autism Spectrum

condition	ref	Read code	description
Autism	AUTISM1	E140.00	infantile autism
Autism	AUTISM1	E140.11	kanner's syndrome
Autism	AUTISM1	E140.12	autism
Autism	AUTISM1	E140.13	childhood autism
Autism	AUTISM1	E140000	active infantile autism
Autism	AUTISM1	E140100	residual infantile autism
Autism	AUTISM1	E140z00	infantile autism nos
Autism	AUTISM1	E141.11	Heller's syndrome
Autism	AUTISM1	Eu84000	[x]childhood autism
Autism	AUTISM1	Eu84011	[x]autistic disorder
Autism	AUTISM1	Eu84012	[x]infantile autism
Autism	AUTISM1	Eu84013	[x]infantile psychosis
Autism	AUTISM1	Eu84100	[x]atypical autism
Autism	AUTISM1	Eu84111	[x]atypical childhood psychosis
Autism	AUTISM1	Eu84112	[x]mental retardation with autistic features
Autism	AUTISM1	Eu84312	[X]Disintegrative psychosis
Autism	AUTISM1	Eu84500	[x]asperger's syndrome
Autism	AUTISM1	Eu84511	[x]autistic psychopathy
Autism	AUTISM1	Eu84z11	[x]autistic spectrum disorder

Concept ID (Concept version ID): C995 (3129)
 Concept name Autism and Asperger's syndrome - Primary care
 Phenotype ID (Phenotype version ID): PH110 (220)
 Phenotype name: Autism and Asperger's syndrome

Condition	ref	Read code	description
Autism	AUTISM2	E140.00	Infantile autism
Autism	AUTISM2	E140.11	Kanner's syndrome
Autism	AUTISM2	E140.12	Autism
Autism	AUTISM2	E140.13	Childhood autism
Autism	AUTISM2	E140000	Active infantile autism
Autism	AUTISM2	E140100	Residual infantile autism
Autism	AUTISM2	E140z00	Infantile autism NOS
Autism	AUTISM2	Eu84000	[X]Childhood autism
Autism	AUTISM2	Eu84011	[X]Autistic disorder
Autism	AUTISM2	Eu84012	[X]Infantile autism
Autism	AUTISM2	Eu84014	[X]Kanner's syndrome
Autism	AUTISM2	Eu84100	[X]Atypical autism
Autism	AUTISM2	Eu84112	[X]Mental retardation with autistic features
Autism	AUTISM2	Eu84500	[X]Asperger's syndrome
Autism	AUTISM2	Eu84511	[X]Autistic psychopathy
Autism	AUTISM2	Eu84z11	[X]Autistic spectrum disorder

Concept ID (Concept version ID): C2709 (11029)
 Concept name Autism Spectrum Disorder (ASD)
 Phenotype ID (Phenotype version ID): PH933 (3523)
 Phenotype name: Autism Spectrum Disorder (ASD)

Condition	ref	Read code	description
Autism	AUTISM3	1J9..00	suspected autism
Autism	AUTISM3	E140.00	infantile autism
Autism	AUTISM3	E140000	infantile autism - active active infantile autism
Autism	AUTISM3	E140100	infantile autism - residual residual infantile autism
Autism	AUTISM3	E140z00	infantile autism nos
Autism	AUTISM3	Eu84000	[x]childhood autism
Autism	AUTISM3	Eu84100	[x]atypical autism
Autism	AUTISM3	Eu84500	[x]asperger's syndrome

Table S2c: Autism Read codes present in codelists (21 distinct Read codes)

Code	Description	Present in the codelist			Total codelists present in
		AUTISM1	AUTISM2	AUTISM3	
E140.00	infantile autism	Yes	Yes	Yes	3
E140000	infantile autism - active active infantile autism	Yes	Yes	Yes	3
E140100	residual infantile autism	Yes	Yes	Yes	3
E140z00	infantile autism nos	Yes	Yes	Yes	3
Eu84000	[x]childhood autism	Yes	Yes	Yes	3
Eu84100	[x]atypical autism	Yes	Yes	Yes	3
Eu84500	[X]Asperger's syndrome	Yes	Yes	Yes	3
E140.11	kanner's syndrome	Yes	Yes	No	2
E140.12	Autism	Yes	Yes	No	2
E140.13	childhood autism	Yes	Yes	No	2
Eu84011	[X]Autistic disorder	Yes	Yes	No	2
Eu84012	[x]infantile autism	Yes	Yes	No	2
Eu84112	[X]Mental retardation with autistic features	Yes	Yes	No	2
Eu84511	[x]autistic psychopathy	Yes	Yes	No	2
Eu84z11	[x]autistic spectrum disorder	Yes	Yes	No	2
1J9..00	suspected autism	No	No	Yes	1
E141.11	Heller's syndrome	Yes	No	No	1
Eu84013	[x]infantile psychosis	Yes	No	No	1
Eu84014	[X]Kanner's syndrome	No	Yes	No	1
Eu84111	[x]atypical childhood psychosis	Yes	No	No	1
Eu84312	[X]Disintegrative psychosis	Yes	No	No	1

Table S3a: Coronary Heart Disease (CHD) codelists summary

Codelist	N Read codes	Link	Reference
CHD1	147	https://phenotypes.healthdatagateway.org/phenotypes/PH415/detail/	Tim Doran, Evangelos Kontopantelis, Jose M Valderas, Stephen Campbell, Martin Roland, Chris Salisbury, David Reeves. PH415 / 830 - Coronary Heart Disease. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH415/version/830/detail/ . [Accessed 20 January 2025]
CHD2	129	https://phenotypes.healthdatagateway.org/phenotypes/PH506/detail/	Evangelos Kontopantelis, David Reeves, Jose M Valderas, Stephen Campbell, Tim Doran. PH506 / 1012 - Coronary Heart Disease (CHD). Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH506/version/1012/detail/ . [Accessed 20 January 2025]
CHD3	62	https://phenotypes.healthdatagateway.org/phenotypes/PH507/version/1014/detail/	Evangelos Kontopantelis, Ivan Olier, Claire Planner, David Reeves, Darren M Ashcroft, Linda Gask, Tim Doran, Sioban Reilly. PH507 / 1014 - Coronary Heart Disease. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH507/version/1014/detail/ . [Accessed 20 January 2025]
CHD4	62	https://phenotypes.healthdatagateway.org/phenotypes/PH625/version/1250/detail/	Siobhan Reilly, Ivan Olier, Claire Planner, Tim Doran, David Reeves, Darren M Ashcroft, Linda Gask, Evangelos Kontopantelis. PH625 / 1250 - Coronary Heart Disease. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH625/version/1250/detail/ . [Accessed 20 January 2025]
CHD5	30	https://phenotypes.healthdatagateway.org/phenotypes/PH1027/version/2263/detail/	Julie George, Emily Herrett, Liam Smeeth, Harry Hemingway, Anoop Shah, Spiros Denaxas. PH1027 / 2263 - Coronary Heart Disease (CHD). Phenotype Library [Online]. 23 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH1027/version/2263/detail/ . [Accessed 20 January 2025]

Table S3b: Coronary Heart Disease (CHD) codelists

Concept ID (Concept version ID): C1757 (4652)
 Concept name: Coronary Heart Disease - Primary Care
 Phenotype ID (Phenotype version ID): PH415 (830)
 Phenotype name: Coronary Heart Disease

condition	ref	Read code	Description
CHD	CHD1	14AJ.00	H/O: Angina in last year
CHD	CHD1	662K.00	Angina control
CHD	CHD1	662K000	Angina control - good
CHD	CHD1	662K100	Angina control - poor
CHD	CHD1	662K200	Angina control - improving
CHD	CHD1	662K300	Angina control - worsening
CHD	CHD1	662Kz00	Angina control NOS
CHD	CHD1	662N.00	CHD monitoring
CHD	CHD1	6A2..00	Coronary heart disease annual review
CHD	CHD1	6A4..00	Coronary heart disease review
CHD	CHD1	8B27.00	Antianginal therapy
CHD	CHD1	8B3k.00	Coronary heart disease medication review
CHD	CHD1	8B63.11	Aspirin prophylaxis - IHD
CHD	CHD1	8CR6.00	Coronary heart disease risk clinical management plan
CHD	CHD1	9Ob0.00	Attends coronary heart disease monitoring
CHD	CHD1	9Ob8.00	Coronary heart disease monitoring check done
CHD	CHD1	G3...00	Ischaemic heart disease
CHD	CHD1	G3...11	Arteriosclerotic heart disease
CHD	CHD1	G3...12	Atherosclerotic heart disease
CHD	CHD1	G3...13	IHD - Ischaemic heart disease
CHD	CHD1	G30..00	Acute myocardial infarction
CHD	CHD1	G30..11	Attack - heart
CHD	CHD1	G30..12	Coronary thrombosis
CHD	CHD1	G30..13	Cardiac rupture following myocardial infarction (MI)
CHD	CHD1	G30..14	Heart attack
CHD	CHD1	G30..15	MI - acute myocardial infarction
CHD	CHD1	G30..16	Thrombosis - coronary
CHD	CHD1	G30..17	Silent myocardial infarction
CHD	CHD1	G300.00	Acute anterolateral infarction
CHD	CHD1	G301.00	Other specified anterior myocardial infarction
CHD	CHD1	G301000	Acute anteroapical infarction
CHD	CHD1	G301100	Acute anteroseptal infarction
CHD	CHD1	G301z00	Anterior myocardial infarction NOS
CHD	CHD1	G302.00	Acute inferolateral infarction
CHD	CHD1	G303.00	Acute inferoposterior infarction
CHD	CHD1	G304.00	Posterior myocardial infarction NOS
CHD	CHD1	G305.00	Lateral myocardial infarction NOS
CHD	CHD1	G306.00	True posterior myocardial infarction
CHD	CHD1	G307.00	Acute subendocardial infarction
CHD	CHD1	G307000	Acute non-Q wave infarction
CHD	CHD1	G307100	Acute non-ST segment elevation myocardial infarction

CHD	CHD1	G308.00	Inferior myocardial infarction NOS
CHD	CHD1	G309.00	Acute Q-wave infarct
CHD	CHD1	G30A.00	Mural thrombosis
CHD	CHD1	G30B.00	Acute posterolateral myocardial infarction
CHD	CHD1	G30X.00	Acute transmural myocardial infarction of unspecif site
CHD	CHD1	G30X000	Acute ST segment elevation myocardial infarction
CHD	CHD1	G30y.00	Other acute myocardial infarction
CHD	CHD1	G30y000	Acute atrial infarction
CHD	CHD1	G30y100	Acute papillary muscle infarction
CHD	CHD1	G30y200	Acute septal infarction
CHD	CHD1	G30yz00	Other acute myocardial infarction NOS
CHD	CHD1	G30z.00	Acute myocardial infarction NOS
CHD	CHD1	G31..00	Other acute and subacute ischaemic heart disease
CHD	CHD1	G310.00	Postmyocardial infarction syndrome
CHD	CHD1	G310.11	Dressler's syndrome
CHD	CHD1	G311.00	Preinfarction syndrome
CHD	CHD1	G311.11	Crescendo angina
CHD	CHD1	G311.12	Impending infarction
CHD	CHD1	G311.13	Unstable angina
CHD	CHD1	G311.14	Angina at rest
CHD	CHD1	G311000	Myocardial infarction aborted
CHD	CHD1	G311011	MI - myocardial infarction aborted
CHD	CHD1	G311100	Unstable angina
CHD	CHD1	G311200	Angina at rest
CHD	CHD1	G311300	Refractory angina
CHD	CHD1	G311400	Worsening angina
CHD	CHD1	G311500	Acute coronary syndrome
CHD	CHD1	G311z00	Preinfarction syndrome NOS
CHD	CHD1	G312.00	Coronary thrombosis not resulting in myocardial infarction
CHD	CHD1	G31y.00	Other acute and subacute ischaemic heart disease
CHD	CHD1	G31y000	Acute coronary insufficiency
CHD	CHD1	G31y100	Microinfarction of heart
CHD	CHD1	G31y200	Subendocardial ischaemia
CHD	CHD1	G31y300	Transient myocardial ischaemia
CHD	CHD1	G31yz00	Other acute and subacute ischaemic heart disease NOS
CHD	CHD1	G32..00	Old myocardial infarction
CHD	CHD1	G32..11	Healed myocardial infarction
CHD	CHD1	G32..12	Personal history of myocardial infarction
CHD	CHD1	G33..00	Angina pectoris
CHD	CHD1	G330.00	Angina decubitus
CHD	CHD1	G330000	Nocturnal angina
CHD	CHD1	G330z00	Angina decubitus NOS
CHD	CHD1	G331.00	Prinzmetal's angina
CHD	CHD1	G331.11	Variant angina pectoris
CHD	CHD1	G332.00	Coronary artery spasm
CHD	CHD1	G33z.00	Angina pectoris NOS
CHD	CHD1	G33z000	Status anginosus
CHD	CHD1	G33z100	Stenocardia

CHD	CHD1	G33z200	Syncope anginosa
CHD	CHD1	G33z300	Angina on effort
CHD	CHD1	G33z400	Ischaemic chest pain
CHD	CHD1	G33z500	Post infarct angina
CHD	CHD1	G33z600	New onset angina
CHD	CHD1	G33z700	Stable angina
CHD	CHD1	G33zz00	Angina pectoris NOS
CHD	CHD1	G34..00	Other chronic ischaemic heart disease
CHD	CHD1	G340.00	Coronary atherosclerosis
CHD	CHD1	G340.11	Triple vessel disease of the heart
CHD	CHD1	G340.12	Coronary artery disease
CHD	CHD1	G340000	Single coronary vessel disease
CHD	CHD1	G340100	Double coronary vessel disease
CHD	CHD1	G342.00	Atherosclerotic cardiovascular disease
CHD	CHD1	G343.00	Ischaemic cardiomyopathy
CHD	CHD1	G344.00	Silent myocardial ischaemia
CHD	CHD1	G34y.00	Other specified chronic ischaemic heart disease
CHD	CHD1	G34y000	Chronic coronary insufficiency
CHD	CHD1	G34y100	Chronic myocardial ischaemia
CHD	CHD1	G34yz00	Other specified chronic ischaemic heart disease NOS
CHD	CHD1	G34z.00	Other chronic ischaemic heart disease NOS
CHD	CHD1	G34z000	Asymptomatic coronary heart disease
CHD	CHD1	G35..00	Subsequent myocardial infarction
CHD	CHD1	G350.00	Subsequent myocardial infarction of anterior wall
CHD	CHD1	G351.00	Subsequent myocardial infarction of inferior wall
CHD	CHD1	G353.00	Subsequent myocardial infarction of other sites
CHD	CHD1	G35X.00	Subsequent myocardial infarction of unspecified site
CHD	CHD1	G36..00	Certain current complication follow acute myocardial infarct
CHD	CHD1	G360.00	Haemopericardium/current comp folow acut myocard infarct
CHD	CHD1	G361.00	Atrial septal defect/curr comp folow acut myocard infarct
CHD	CHD1	G362.00	Ventric septal defect/curr comp fol acut myocard infarctn
CHD	CHD1	G363.00	Ruptur cardiac wall w'out haemopericard/cur comp fol ac MI
CHD	CHD1	G364.00	Ruptur chordae tendinae/curr comp fol acute myocard infarct
CHD	CHD1	G365.00	Rupture papillary muscle/curr comp fol acute myocard infarct
CHD	CHD1	G366.00	Thrombosis atrium;auric append&vent/curr comp foll acute MI
CHD	CHD1	G3y..00	Other specified ischaemic heart disease
CHD	CHD1	G3z..00	Ischaemic heart disease NOS
CHD	CHD1	Gyu3.00	[X]Ischaemic heart diseases
CHD	CHD1	Gyu3200	[X]Other forms of acute ischaemic heart disease
CHD	CHD1	Gyu3300	[X]Other forms of chronic ischaemic heart disease

Concept ID (Concept version ID): C1875 (4888)
 Concept name Coronary Heart Disease (CHD) - Primary Care
 Phenotype ID (Phenotype version ID): PH506 (1012)
 Phenotype name: Coronary Heart Disease (CHD)

condition	ref	Read code	description
CHD	CHD2	14AJ.00	H/O: Angina in last year
CHD	CHD2	662K.00	Angina control
CHD	CHD2	662K000	Angina control - good
CHD	CHD2	662K100	Angina control - poor
CHD	CHD2	662K200	Angina control - improving
CHD	CHD2	662K300	Angina control - worsening
CHD	CHD2	662Kz00	Angina control NOS
CHD	CHD2	662N.00	CHD monitoring
CHD	CHD2	6A2..00	Coronary heart disease annual review
CHD	CHD2	6A4..00	Coronary heart disease review
CHD	CHD2	8B27.00	Antianginal therapy
CHD	CHD2	8B3k.00	Coronary heart disease medication review
CHD	CHD2	8B63.11	Aspirin prophylaxis - IHD
CHD	CHD2	8CR6.00	Coronary heart disease risk clinical management plan
CHD	CHD2	9Ob0.00	Attends coronary heart disease monitoring
CHD	CHD2	9Ob8.00	Coronary heart disease monitoring check done
CHD	CHD2	G3...00	Ischaemic heart disease
CHD	CHD2	G3...11	Arteriosclerotic heart disease
CHD	CHD2	G3...12	Atherosclerotic heart disease
CHD	CHD2	G3...13	IHD - Ischaemic heart disease
CHD	CHD2	G30..00	Acute myocardial infarction
CHD	CHD2	G30..11	Attack - heart
CHD	CHD2	G30..12	Coronary thrombosis
CHD	CHD2	G30..13	Cardiac rupture following myocardial infarction (MI)
CHD	CHD2	G30..14	Heart attack
CHD	CHD2	G30..15	MI - acute myocardial infarction
CHD	CHD2	G30..16	Thrombosis - coronary
CHD	CHD2	G30..17	Silent myocardial infarction
CHD	CHD2	G300.00	Acute anterolateral infarction
CHD	CHD2	G301.00	Other specified anterior myocardial infarction
CHD	CHD2	G301000	Acute anteroapical infarction
CHD	CHD2	G301100	Acute anteroseptal infarction
CHD	CHD2	G301z00	Anterior myocardial infarction NOS
CHD	CHD2	G302.00	Acute inferolateral infarction
CHD	CHD2	G303.00	Acute inferoposterior infarction
CHD	CHD2	G304.00	Posterior myocardial infarction NOS
CHD	CHD2	G305.00	Lateral myocardial infarction NOS
CHD	CHD2	G306.00	True posterior myocardial infarction
CHD	CHD2	G307.00	Acute subendocardial infarction
CHD	CHD2	G307000	Acute non-Q wave infarction
CHD	CHD2	G307100	Acute non-ST segment elevation myocardial infarction
CHD	CHD2	G308.00	Inferior myocardial infarction NOS
CHD	CHD2	G309.00	Acute Q-wave infarct

CHD	CHD2	G30A.00	Mural thrombosis
CHD	CHD2	G30B.00	Acute posterolateral myocardial infarction
CHD	CHD2	G30X.00	Acute transmural myocardial infarction of unspecif site
CHD	CHD2	G30X000	Acute ST segment elevation myocardial infarction
CHD	CHD2	G30y.00	Other acute myocardial infarction
CHD	CHD2	G30y000	Acute atrial infarction
CHD	CHD2	G30y100	Acute papillary muscle infarction
CHD	CHD2	G30y200	Acute septal infarction
CHD	CHD2	G30yz00	Other acute myocardial infarction NOS
CHD	CHD2	G30z.00	Acute myocardial infarction NOS
CHD	CHD2	G31..00	Other acute and subacute ischaemic heart disease
CHD	CHD2	G310.00	Postmyocardial infarction syndrome
CHD	CHD2	G310.11	Dressler's syndrome
CHD	CHD2	G311.00	Preinfarction syndrome
CHD	CHD2	G311.11	Crescendo angina
CHD	CHD2	G311.12	Impending infarction
CHD	CHD2	G311.13	Unstable angina
CHD	CHD2	G311.14	Angina at rest
CHD	CHD2	G311000	Myocardial infarction aborted
CHD	CHD2	G311011	MI - myocardial infarction aborted
CHD	CHD2	G311100	Unstable angina
CHD	CHD2	G311200	Angina at rest
CHD	CHD2	G311300	Refractory angina
CHD	CHD2	G311400	Worsening angina
CHD	CHD2	G311500	Acute coronary syndrome
CHD	CHD2	G311z00	Preinfarction syndrome NOS
CHD	CHD2	G312.00	Coronary thrombosis not resulting in myocardial infarction
CHD	CHD2	G31y.00	Other acute and subacute ischaemic heart disease
CHD	CHD2	G31y000	Acute coronary insufficiency
CHD	CHD2	G31y100	Microinfarction of heart
CHD	CHD2	G31y200	Subendocardial ischaemia
CHD	CHD2	G31y300	Transient myocardial ischaemia
CHD	CHD2	G31yz00	Other acute and subacute ischaemic heart disease NOS
CHD	CHD2	G32..00	Old myocardial infarction
CHD	CHD2	G32..11	Healed myocardial infarction
CHD	CHD2	G32..12	Personal history of myocardial infarction
CHD	CHD2	G33..00	Angina pectoris
CHD	CHD2	G330.00	Angina decubitus
CHD	CHD2	G330000	Nocturnal angina
CHD	CHD2	G330z00	Angina decubitus NOS
CHD	CHD2	G331.00	Prinzmetal's angina
CHD	CHD2	G331.11	Variant angina pectoris
CHD	CHD2	G332.00	Coronary artery spasm
CHD	CHD2	G33z.00	Angina pectoris NOS
CHD	CHD2	G33z000	Status anginosus
CHD	CHD2	G33z100	Stenocardia
CHD	CHD2	G33z200	Syncope anginosa
CHD	CHD2	G33z300	Angina on effort

CHD	CHD2	G33z400	Ischaemic chest pain
CHD	CHD2	G33z500	Post infarct angina
CHD	CHD2	G33z600	New onset angina
CHD	CHD2	G33z700	Stable angina
CHD	CHD2	G33zz00	Angina pectoris NOS
CHD	CHD2	G34..00	Other chronic ischaemic heart disease
CHD	CHD2	G340.00	Coronary atherosclerosis
CHD	CHD2	G340.11	Triple vessel disease of the heart
CHD	CHD2	G340.12	Coronary artery disease
CHD	CHD2	G340000	Single coronary vessel disease
CHD	CHD2	G340100	Double coronary vessel disease
CHD	CHD2	G342.00	Atherosclerotic cardiovascular disease
CHD	CHD2	G343.00	Ischaemic cardiomyopathy
CHD	CHD2	G344.00	Silent myocardial ischaemia
CHD	CHD2	G34y.00	Other specified chronic ischaemic heart disease
CHD	CHD2	G34y000	Chronic coronary insufficiency
CHD	CHD2	G34y100	Chronic myocardial ischaemia
CHD	CHD2	G34yz00	Other specified chronic ischaemic heart disease NOS
CHD	CHD2	G34z.00	Other chronic ischaemic heart disease NOS
CHD	CHD2	G34z000	Asymptomatic coronary heart disease
CHD	CHD2	G35..00	Subsequent myocardial infarction
CHD	CHD2	G350.00	Subsequent myocardial infarction of anterior wall
CHD	CHD2	G351.00	Subsequent myocardial infarction of inferior wall
CHD	CHD2	G353.00	Subsequent myocardial infarction of other sites
CHD	CHD2	G35X.00	Subsequent myocardial infarction of unspecified site
CHD	CHD2	G36..00	Certain current complication follow acute myocardial infarct
CHD	CHD2	G360.00	Haemopericardium/current comp folow acut myocard infarct
CHD	CHD2	G361.00	Atrial septal defect/curr comp folow acut myocard infarct
CHD	CHD2	G362.00	Ventric septal defect/curr comp fol acut myocard infarctn
CHD	CHD2	G363.00	Ruptur cardiac wall w/out haemopericard/cur comp fol ac MI
CHD	CHD2	G364.00	Ruptur chordae tendinae/curr comp fol acute myocard infarct
CHD	CHD2	G365.00	Rupture papillary muscle/curr comp fol acute myocard infarct
CHD	CHD2	G366.00	Thrombosis atrium,auric append&vent/curr comp foll acute MI
CHD	CHD2	G3y..00	Other specified ischaemic heart disease
CHD	CHD2	G3z..00	Ischaemic heart disease NOS
CHD	CHD2	Gyu3.00	[X]Ischaemic heart diseases
CHD	CHD2	Gyu3200	[X]Other forms of acute ischaemic heart disease
CHD	CHD2	Gyu3300	[X]Other forms of chronic ischaemic heart disease

Concept ID (Concept version ID): C1877 (4892)
 Concept name Coronary Heart Disease - Primary Care
 Phenotype ID (Phenotype version ID): PH507 (1014)
 Phenotype name: Coronary Heart Disease

condition	ref	Read code	description
CHD	CHD3	G3...00	Ischaemic heart disease
CHD	CHD3	G3...11	Arteriosclerotic heart disease
CHD	CHD3	G3...12	Atherosclerotic heart disease
CHD	CHD3	G3...13	IHD - Ischaemic heart disease
CHD	CHD3	G31..00	Other acute and subacute ischaemic heart disease
CHD	CHD3	G310.00	Postmyocardial infarction syndrome
CHD	CHD3	G310.11	Dressler's syndrome
CHD	CHD3	G311.00	Preinfarction syndrome
CHD	CHD3	G311.11	Crescendo angina
CHD	CHD3	G311.12	Impending infarction
CHD	CHD3	G311.13	Unstable angina
CHD	CHD3	G311.14	Angina at rest
CHD	CHD3	G311100	Unstable angina
CHD	CHD3	G311200	Angina at rest
CHD	CHD3	G311300	Refractory angina
CHD	CHD3	G311500	Acute coronary syndrome
CHD	CHD3	G311z00	Preinfarction syndrome NOS
CHD	CHD3	G31y.00	Other acute and subacute ischaemic heart disease
CHD	CHD3	G31y000	Acute coronary insufficiency
CHD	CHD3	G31y200	Subendocardial ischaemia
CHD	CHD3	G31y300	Transient myocardial ischaemia
CHD	CHD3	G31yz00	Other acute and subacute ischaemic heart disease NOS
CHD	CHD3	G32..00	Old myocardial infarction
CHD	CHD3	G32..11	Healed myocardial infarction
CHD	CHD3	G32..12	Personal history of myocardial infarction
CHD	CHD3	G33..00	Angina pectoris
CHD	CHD3	G330.00	Angina decubitus
CHD	CHD3	G330000	Nocturnal angina
CHD	CHD3	G330z00	Angina decubitus NOS
CHD	CHD3	G331.00	Prinzmetal's angina
CHD	CHD3	G331.11	Variant angina pectoris
CHD	CHD3	G332.00	Coronary artery spasm
CHD	CHD3	G33z.00	Angina pectoris NOS
CHD	CHD3	G33z000	Status anginosus
CHD	CHD3	G33z100	Stenocardia
CHD	CHD3	G33z200	Syncope anginosa
CHD	CHD3	G33z300	Angina on effort
CHD	CHD3	G33z400	Ischaemic chest pain
CHD	CHD3	G33z500	Post infarct angina
CHD	CHD3	G33z600	New onset angina
CHD	CHD3	G33z700	Stable angina
CHD	CHD3	G33zz00	Angina pectoris NOS
CHD	CHD3	G34..00	Other chronic ischaemic heart disease

CHD	CHD3	G340.00	Coronary atherosclerosis
CHD	CHD3	G340.11	Triple vessel disease of the heart
CHD	CHD3	G340.12	Coronary artery disease
CHD	CHD3	G340000	Single coronary vessel disease
CHD	CHD3	G340100	Double coronary vessel disease
CHD	CHD3	G342.00	Atherosclerotic cardiovascular disease
CHD	CHD3	G343.00	Ischaemic cardiomyopathy
CHD	CHD3	G344.00	Silent myocardial ischaemia
CHD	CHD3	G34y.00	Other specified chronic ischaemic heart disease
CHD	CHD3	G34y000	Chronic coronary insufficiency
CHD	CHD3	G34y100	Chronic myocardial ischaemia
CHD	CHD3	G34yz00	Other specified chronic ischaemic heart disease NOS
CHD	CHD3	G34z.00	Other chronic ischaemic heart disease NOS
CHD	CHD3	G34z000	Asymptomatic coronary heart disease
CHD	CHD3	G3y..00	Other specified ischaemic heart disease
CHD	CHD3	G3z..00	Ischaemic heart disease NOS
CHD	CHD3	Gyu3.00	[X]Ischaemic heart diseases
CHD	CHD3	Gyu3200	[X]Other forms of acute ischaemic heart disease
CHD	CHD3	Gyu3300	[X]Other forms of chronic ischaemic heart disease

Concept ID (Concept version ID): C2034 (5206)
 Concept name Coronary Heart Disease - Primary Care
 Phenotype ID (Phenotype version ID): PH625 (1250)
 Phenotype name: Coronary Heart Disease

condition	ref	Read code	description
CHD	CHD4	G3...00	Ischaemic heart disease
CHD	CHD4	G3...11	Arteriosclerotic heart disease
CHD	CHD4	G3...12	Atherosclerotic heart disease
CHD	CHD4	G3...13	IHD - Ischaemic heart disease
CHD	CHD4	G31..00	Other acute and subacute ischaemic heart disease
CHD	CHD4	G310.00	Postmyocardial infarction syndrome
CHD	CHD4	G310.11	Dressler's syndrome
CHD	CHD4	G311.00	Preinfarction syndrome
CHD	CHD4	G311.11	Crescendo angina
CHD	CHD4	G311.12	Impending infarction
CHD	CHD4	G311.13	Unstable angina
CHD	CHD4	G311.14	Angina at rest
CHD	CHD4	G311100	Unstable angina
CHD	CHD4	G311200	Angina at rest
CHD	CHD4	G311300	Refractory angina
CHD	CHD4	G311500	Acute coronary syndrome
CHD	CHD4	G311z00	Preinfarction syndrome NOS
CHD	CHD4	G31y.00	Other acute and subacute ischaemic heart disease
CHD	CHD4	G31y000	Acute coronary insufficiency
CHD	CHD4	G31y200	Subendocardial ischaemia
CHD	CHD4	G31y300	Transient myocardial ischaemia
CHD	CHD4	G31yz00	Other acute and subacute ischaemic heart disease NOS
CHD	CHD4	G32..00	Old myocardial infarction
CHD	CHD4	G32..11	Healed myocardial infarction
CHD	CHD4	G32..12	Personal history of myocardial infarction
CHD	CHD4	G33..00	Angina pectoris
CHD	CHD4	G330.00	Angina decubitus
CHD	CHD4	G330000	Nocturnal angina
CHD	CHD4	G330z00	Angina decubitus NOS
CHD	CHD4	G331.00	Prinzmetal's angina
CHD	CHD4	G331.11	Variant angina pectoris
CHD	CHD4	G332.00	Coronary artery spasm
CHD	CHD4	G33z.00	Angina pectoris NOS
CHD	CHD4	G33z000	Status anginosus
CHD	CHD4	G33z100	Stenocardia
CHD	CHD4	G33z200	Syncope anginosa
CHD	CHD4	G33z300	Angina on effort
CHD	CHD4	G33z400	Ischaemic chest pain
CHD	CHD4	G33z500	Post infarct angina
CHD	CHD4	G33z600	New onset angina
CHD	CHD4	G33z700	Stable angina
CHD	CHD4	G33zz00	Angina pectoris NOS
CHD	CHD4	G34..00	Other chronic ischaemic heart disease

CHD	CHD4	G340.00	Coronary atherosclerosis
CHD	CHD4	G340.11	Triple vessel disease of the heart
CHD	CHD4	G340.12	Coronary artery disease
CHD	CHD4	G340000	Single coronary vessel disease
CHD	CHD4	G340100	Double coronary vessel disease
CHD	CHD4	G342.00	Atherosclerotic cardiovascular disease
CHD	CHD4	G343.00	Ischaemic cardiomyopathy
CHD	CHD4	G344.00	Silent myocardial ischaemia
CHD	CHD4	G34y.00	Other specified chronic ischaemic heart disease
CHD	CHD4	G34y000	Chronic coronary insufficiency
CHD	CHD4	G34y100	Chronic myocardial ischaemia
CHD	CHD4	G34yz00	Other specified chronic ischaemic heart disease NOS
CHD	CHD4	G34z.00	Other chronic ischaemic heart disease NOS
CHD	CHD4	G34z000	Asymptomatic coronary heart disease
CHD	CHD4	G3y..00	Other specified ischaemic heart disease
CHD	CHD4	G3z..00	Ischaemic heart disease NOS
CHD	CHD4	Gyu3.00	[X]Ischaemic heart diseases
CHD	CHD4	Gyu3200	[X]Other forms of acute ischaemic heart disease
CHD	CHD4	Gyu3300	[X]Other forms of chronic ischaemic heart disease

Concept ID (Concept version ID): C3193 (8545)
 Concept name File - Coronary Heart Disease - Primary Care - Incident
 Phenotype ID (Phenotype version ID): PH1027 (2263)
 Phenotype name: Coronary Heart Disease (CHD)

condition	ref	Read code	description
CHD	CHD5	6A2..00	Coronary heart disease annual review
CHD	CHD5	6A4..00	Coronary heart disease review
CHD	CHD5	8B3k.00	Coronary heart disease medication review
CHD	CHD5	8H2V.00	Admit ischaemic heart disease emergency
CHD	CHD5	G3...00	Ischaemic heart disease
CHD	CHD5	G3...11	Arteriosclerotic heart disease
CHD	CHD5	G3...12	Atherosclerotic heart disease
CHD	CHD5	G3...13	IHD - Ischaemic heart disease
CHD	CHD5	G31..00	Other acute and subacute ischaemic heart disease
CHD	CHD5	G311000	Myocardial infarction aborted
CHD	CHD5	G311011	MI - myocardial infarction aborted
CHD	CHD5	G31y.00	Other acute and subacute ischaemic heart disease
CHD	CHD5	G31y200	Subendocardial ischaemia
CHD	CHD5	G31y300	Transient myocardial ischaemia
CHD	CHD5	G31yz00	Other acute and subacute ischaemic heart disease NOS
CHD	CHD5	G34..00	Other chronic ischaemic heart disease
CHD	CHD5	G340.00	Coronary atherosclerosis
CHD	CHD5	G340.12	Coronary artery disease
CHD	CHD5	G343.00	Ischaemic cardiomyopathy
CHD	CHD5	G344.00	Silent myocardial ischaemia
CHD	CHD5	G34y.00	Other specified chronic ischaemic heart disease
CHD	CHD5	G34y100	Chronic myocardial ischaemia
CHD	CHD5	G34yz00	Other specified chronic ischaemic heart disease NOS
CHD	CHD5	G34z.00	Other chronic ischaemic heart disease NOS
CHD	CHD5	G34z000	Asymptomatic coronary heart disease
CHD	CHD5	G3y..00	Other specified ischaemic heart disease
CHD	CHD5	G3z..00	Ischaemic heart disease NOS
CHD	CHD5	Gyu3.00	[X]Ischaemic heart diseases
CHD	CHD5	Gyu3200	[X]Other forms of acute ischaemic heart disease
CHD	CHD5	Gyu3300	[X]Other forms of chronic ischaemic heart disease

Table S3c: CHD Read codes present in codelists (130 distinct Read codes)

Code	Description	Present in the codelist					Total codelists present in
		CHD1	CHD2	CHD3	CHD4	CHD5	
G3...00	ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G3...11	arteriosclerotic heart disease	Yes	Yes	Yes	Yes	Yes	5
G3...12	atherosclerotic heart disease	Yes	Yes	Yes	Yes	Yes	5
G3...13	ihd - ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G31..00	other acute and subacute ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G31y.00	other acute and subacute ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G31y200	subendocardial ischaemia	Yes	Yes	Yes	Yes	Yes	5
G31y300	transient myocardial ischaemia	Yes	Yes	Yes	Yes	Yes	5
G31yz00	other acute and subacute ischaemic heart disease nos	Yes	Yes	Yes	Yes	Yes	5
G34..00	other chronic ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G340.00	coronary atherosclerosis	Yes	Yes	Yes	Yes	Yes	5
G340.12	coronary artery disease	Yes	Yes	Yes	Yes	Yes	5
G343.00	ischaemic cardiomyopathy	Yes	Yes	Yes	Yes	Yes	5
G344.00	silent myocardial ischaemia	Yes	Yes	Yes	Yes	Yes	5
G34y.00	other specified chronic ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G34y100	chronic myocardial ischaemia	Yes	Yes	Yes	Yes	Yes	5
G34yz00	other specified chronic ischaemic heart disease nos	Yes	Yes	Yes	Yes	Yes	5
G34z.00	other chronic ischaemic heart disease nos	Yes	Yes	Yes	Yes	Yes	5
G34z000	asymptomatic coronary heart disease	Yes	Yes	Yes	Yes	Yes	5
G3y..00	other specified ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G3z..00	ischaemic heart disease nos	Yes	Yes	Yes	Yes	Yes	5
Gyu3.00	[x]ischaemic heart diseases	Yes	Yes	Yes	Yes	Yes	5
Gyu3200	[x]other forms of acute ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
Gyu3300	[x]other forms of chronic ischaemic heart disease	Yes	Yes	Yes	Yes	Yes	5
G310.00	postmyocardial infarction syndrome	Yes	Yes	Yes	Yes	No	4
G310.11	dressler's syndrome	Yes	Yes	Yes	Yes	No	4
G311.00	preinfarction syndrome	Yes	Yes	Yes	Yes	No	4
G311.11	crescendo angina	Yes	Yes	Yes	Yes	No	4
G311.12	impending infarction	Yes	Yes	Yes	Yes	No	4
G311.13	unstable angina	Yes	Yes	Yes	Yes	No	4
G311.14	angina at rest	Yes	Yes	Yes	Yes	No	4
G311100	unstable angina	Yes	Yes	Yes	Yes	No	4
G311200	angina at rest	Yes	Yes	Yes	Yes	No	4
G311300	refractory angina	Yes	Yes	Yes	Yes	No	4
G311500	acute coronary syndrome	Yes	Yes	Yes	Yes	No	4
G311z00	preinfarction syndrome nos	Yes	Yes	Yes	Yes	No	4
G31y000	acute coronary insufficiency	Yes	Yes	Yes	Yes	No	4
G32..00	old myocardial infarction	Yes	Yes	Yes	Yes	No	4

G32..11	healed myocardial infarction	Yes	Yes	Yes	Yes	No	4
G32..12	personal history of myocardial infarction	Yes	Yes	Yes	Yes	No	4
G33..00	angina pectoris	Yes	Yes	Yes	Yes	No	4
G330.00	angina decubitus	Yes	Yes	Yes	Yes	No	4
G330000	nocturnal angina	Yes	Yes	Yes	Yes	No	4
G330z00	angina decubitus nos	Yes	Yes	Yes	Yes	No	4
G331.00	prinzmetal's angina	Yes	Yes	Yes	Yes	No	4
G331.11	variant angina pectoris	Yes	Yes	Yes	Yes	No	4
G332.00	coronary artery spasm	Yes	Yes	Yes	Yes	No	4
G33z.00	angina pectoris nos	Yes	Yes	Yes	Yes	No	4
G33z000	status anginosus	Yes	Yes	Yes	Yes	No	4
G33z100	stenocardia	Yes	Yes	Yes	Yes	No	4
G33z200	syncope anginosa	Yes	Yes	Yes	Yes	No	4
G33z300	angina on effort	Yes	Yes	Yes	Yes	No	4
G33z400	ischaemic chest pain	Yes	Yes	Yes	Yes	No	4
G33z500	post infarct angina	Yes	Yes	Yes	Yes	No	4
G33z600	new onset angina	Yes	Yes	Yes	Yes	No	4
G33z700	stable angina	Yes	Yes	Yes	Yes	No	4
G33zz00	angina pectoris nos	Yes	Yes	Yes	Yes	No	4
G340.11	triple vessel disease of the heart	Yes	Yes	Yes	Yes	No	4
G340000	single coronary vessel disease	Yes	Yes	Yes	Yes	No	4
G340100	double coronary vessel disease	Yes	Yes	Yes	Yes	No	4
G342.00	atherosclerotic cardiovascular disease	Yes	Yes	Yes	Yes	No	4
G34y000	chronic coronary insufficiency	Yes	Yes	Yes	Yes	No	4
6A2..00	coronary heart disease annual review	Yes	Yes	No	No	Yes	3
6A4..00	coronary heart disease review	Yes	Yes	No	No	Yes	3
8B3k.00	coronary heart disease medication review	Yes	Yes	No	No	Yes	3
G311000	myocardial infarction aborted	Yes	Yes	No	No	Yes	3
G311011	mi - myocardial infarction aborted	Yes	Yes	No	No	Yes	3
14AJ.00	h/o: angina in last year	Yes	Yes	No	No	No	2
662K.00	angina control	Yes	Yes	No	No	No	2
662K000	angina control - good	Yes	Yes	No	No	No	2
662K100	angina control - poor	Yes	Yes	No	No	No	2
662K200	angina control - improving	Yes	Yes	No	No	No	2
662K300	angina control - worsening	Yes	Yes	No	No	No	2
662Kz00	angina control nos	Yes	Yes	No	No	No	2
662N.00	chd monitoring	Yes	Yes	No	No	No	2
8B27.00	antianginal therapy	Yes	Yes	No	No	No	2
8B63.11	aspirin prophylaxis - ihd	Yes	Yes	No	No	No	2
8CR6.00	coronary heart disease risk clinical management plan	Yes	Yes	No	No	No	2
9Ob0.00	attends coronary heart disease monitoring	Yes	Yes	No	No	No	2
9Ob8.00	coronary heart disease monitoring check done	Yes	Yes	No	No	No	2

G30..00	acute myocardial infarction	Yes	Yes	No	No	No	2
G30..11	attack - heart	Yes	Yes	No	No	No	2
G30..12	coronary thrombosis	Yes	Yes	No	No	No	2
G30..13	cardiac rupture following myocardial infarction (mi)	Yes	Yes	No	No	No	2
G30..14	heart attack	Yes	Yes	No	No	No	2
G30..15	mi - acute myocardial infarction	Yes	Yes	No	No	No	2
G30..16	thrombosis - coronary	Yes	Yes	No	No	No	2
G30..17	silent myocardial infarction	Yes	Yes	No	No	No	2
G300.00	acute anterolateral infarction	Yes	Yes	No	No	No	2
G301.00	other specified anterior myocardial infarction	Yes	Yes	No	No	No	2
G301000	acute anteroapical infarction	Yes	Yes	No	No	No	2
G301100	acute anteroseptal infarction	Yes	Yes	No	No	No	2
G301200	anterior myocardial infarction nos	Yes	Yes	No	No	No	2
G302.00	acute inferolateral infarction	Yes	Yes	No	No	No	2
G303.00	acute inferoposterior infarction	Yes	Yes	No	No	No	2
G304.00	posterior myocardial infarction nos	Yes	Yes	No	No	No	2
G305.00	lateral myocardial infarction nos	Yes	Yes	No	No	No	2
G306.00	true posterior myocardial infarction	Yes	Yes	No	No	No	2
G307.00	acute subendocardial infarction	Yes	Yes	No	No	No	2
G307000	acute non-q wave infarction	Yes	Yes	No	No	No	2
G307100	acute non-st segment elevation myocardial infarction	Yes	Yes	No	No	No	2
G308.00	inferior myocardial infarction nos	Yes	Yes	No	No	No	2
G309.00	acute q-wave infarct	Yes	Yes	No	No	No	2
G30A.00	mural thrombosis	Yes	Yes	No	No	No	2
G30B.00	acute posterolateral myocardial infarction	Yes	Yes	No	No	No	2
G30X.00	acute transmural myocardial infarction of unspecif site	Yes	Yes	No	No	No	2
G30X000	acute st segment elevation myocardial infarction	Yes	Yes	No	No	No	2
G30y.00	other acute myocardial infarction	Yes	Yes	No	No	No	2
G30y000	acute atrial infarction	Yes	Yes	No	No	No	2
G30y100	acute papillary muscle infarction	Yes	Yes	No	No	No	2
G30y200	acute septal infarction	Yes	Yes	No	No	No	2
G30yz00	other acute myocardial infarction nos	Yes	Yes	No	No	No	2
G30z.00	acute myocardial infarction nos	Yes	Yes	No	No	No	2
G311400	worsening angina	Yes	Yes	No	No	No	2
G312.00	coronary thrombosis not resulting in myocardial infarction	Yes	Yes	No	No	No	2
G31y100	microinfarction of heart	Yes	Yes	No	No	No	2
G35..00	subsequent myocardial infarction	Yes	Yes	No	No	No	2
G350.00	subsequent myocardial infarction of anterior wall	Yes	Yes	No	No	No	2
G351.00	subsequent myocardial infarction of inferior wall	Yes	Yes	No	No	No	2
G353.00	subsequent myocardial infarction of other sites	Yes	Yes	No	No	No	2
G35X.00	subsequent myocardial infarction of unspecified site	Yes	Yes	No	No	No	2
G36..00	certain current complication follow acute myocardial infarct	Yes	Yes	No	No	No	2

G360.00	haemopericardium/current comp folow acut myocard infarct	Yes	Yes	No	No	No	2
G361.00	atrial septal defect/curr comp folow acut myocardal infarct	Yes	Yes	No	No	No	2
G362.00	ventric septal defect/curr comp fol acut myocardal infarctn	Yes	Yes	No	No	No	2
G363.00	ruptur cardiac wall w/out haemopericard/cur comp fol ac mi	Yes	Yes	No	No	No	2
G364.00	ruptur chordae tendinae/curr comp fol acute myocard infarct	Yes	Yes	No	No	No	2
G365.00	rupture papillary muscle/curr comp fol acute myocard infarct	Yes	Yes	No	No	No	2
G366.00	thrombosis atrium;auric append&vent/curr comp foll acute mi	Yes	Yes	No	No	No	2
8H2V.00	admit ischaemic heart disease emergency	No	No	No	No	Yes	1

Table S4a: Chronic Obstructive Pulmonary Disease (COPD) codelists summary

Codelist	N Read codes	Link	Reference
COPD1	136	https://phenotypes.healthdatagateway.org/phenotypes/PH797/version/2221/detail/	Eleanor L Axson, Jennifer K Quint, Mome Mukherjee, Hannah R Whittaker, Philip W Stone, Kate McLaren. PH797 / 2221 - Chronic obstructive pulmonary disease (COPD) Primary care. Phenotype Library [Online]. 04 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH797/version/2221/detail/ . [Accessed 22 January 2025]
COPD2	67	https://phenotypes.healthdatagateway.org/phenotypes/PH797/version/2221/detail/	Eleanor L Axson, Jennifer K Quint, Mome Mukherjee, Hannah R Whittaker, Philip W Stone, Kate McLaren. PH797 / 2221 - Chronic obstructive pulmonary disease (COPD) Primary care. Phenotype Library [Online]. 04 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH797/version/2221/detail/ . [Accessed 22 January 2025]
COPD3	58	https://phenotypes.healthdatagateway.org/phenotypes/PH512/version/1024/detail/	Evangelos Kontopantelis, David Reeves, Jose M Valderas, Stephen Campbell, Tim Doran. PH512 / 1024 - Chronic Obstructive Pulmonary Disease (COPD). Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH512/version/1024/detail/ . [Accessed 22 January 2025]
COPD4	55	https://phenotypes.healthdatagateway.org/phenotypes/PH43/version/86/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH43 / 86 - Chronic Obstructive Pulmonary Disease (COPD). Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH43/version/86/detail/ . [Accessed 22 January 2025]
COPD5	41	https://phenotypes.healthdatagateway.org/phenotypes/PH627/version/1254/detail/	Siobhan Reilly, Ivan Olier, Claire Planner, Tim Doran, David Reeves, Darren M Ashcroft, Linda Gask, Evangelos Kontopantelis. PH627 / 1254 - Chronic Obstructive Pulmonary Disease (COPD). Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH627/version/1254/detail/ . [Accessed 22 January 2025]

Table S4b: Chronic Obstructive Pulmonary Disease (COPD) codelists

Concept ID (Concept version ID): C2480 (6360)
 Concept name Chronic obstructive pulmonary disease (COPD) Primary care - 1
 Phenotype ID (Phenotype version ID): PH797 (2221)
 Phenotype name: Chronic obstructive pulmonary disease (COPD) Primary care

Condition	ref	Read code	description
COPD	COPD1	6639	Home oxygen supply
COPD	COPD1	6639.11	Home oxygen supply started
COPD	COPD1	6639.12	Oxygen at home
COPD	COPD1	14B3.11	H/O: bronchitis
COPD	COPD1	14B3.12	History of chronic obstructive pulmonary disease
COPD	COPD1	14OX.00	At risk of chronic obstructive pulmonary disease exacerbation
COPD	COPD1	1J71.00	Suspected chronic obstructive pulmonary disease
COPD	COPD1	2126F00	Chronic obstructive pulmonary disease resolved
COPD	COPD1	38Dd.00	Clinical chronic obstructive pulmonary disease questionnaire
COPD	COPD1	38Dg.00	Chronic obstructive pulmonary disease assessment test
COPD	COPD1	661M300	COPD self-management plan agreed
COPD	COPD1	661N300	COPD self-management plan review
COPD	COPD1	663E.00	Home oxygen supply stopped
COPD	COPD1	663K.00	Airways obstructn irreversible
COPD	COPD1	66YB.00	Chronic obstructive pulmonary disease monitoring
COPD	COPD1	66YB000	Chronic obstructive pulmonary disease 3 monthly review
COPD	COPD1	66YB100	Chronic obstructive pulmonary disease 6 monthly review
COPD	COPD1	66YB200	Telehealth chronic obstructive pulmonary disease monitoring
COPD	COPD1	66YD.00	Chronic obstructive pulmonary disease monitoring due
COPD	COPD1	66Yd.00	COPD accident and emergency attendance since last visit
COPD	COPD1	66Ye.00	Emergency COPD admission since last appointment
COPD	COPD1	66Yf.00	Number of COPD exacerbations in past year
COPD	COPD1	66Yg.00	Chronic obstructive pulmonary disease disturbs sleep
COPD	COPD1	66Yh.00	Chronic obstructive pulmonary disease does not disturb sleep
COPD	COPD1	66Yi.00	Multiple COPD emergency hospital admissions
COPD	COPD1	66Yl.00	COPD self-management plan given
COPD	COPD1	66Yj.00	Home oxygen supply - cylinder
COPD	COPD1	66Yk.00	Home oxygen supply - concentrator
COPD	COPD1	66YL.00	Chronic obstructive pulmonary disease follow-up
COPD	COPD1	66Yl.00	Home oxygen supply - liquid oxygen
COPD	COPD1	66YL.11	COPD follow-up
COPD	COPD1	66YL.12	COAD follow-up
COPD	COPD1	66YM.00	Chronic obstructive pulmonary disease annual review
COPD	COPD1	66Yn.00	Oxygen therapy initial assessment
COPD	COPD1	66YS.00	Chronic obstructive pulmonary disease monitoring by nurse
COPD	COPD1	66YT.00	Chronic obstructive pulmonary disease monitoring by doctor
COPD	COPD1	679V.00	Health education - chronic obstructive pulmonary disease
COPD	COPD1	8BMa000	Chronic obstructiv pulmonary disease medication optimisation
COPD	COPD1	8BMW.00	Issue of chronic obstructive pulmonary disease rescue pack
COPD	COPD1	8CE6.00	Chronic obstructive pulmonary disease leaflet given
COPD	COPD1	8CeD.00	Preferred place of care for next exacerbation of COPD

COPD	COPD1	8CMV.00	Has chronic obstructive pulmonary disease care plan
COPD	COPD1	8CMW500	Chronic obstructive pulmonary disease care pathway
COPD	COPD1	8CR1.00	Chronic obstructive pulmonary disease clini management plan
COPD	COPD1	8H2R.00	Admit COPD emergency
COPD	COPD1	8Hkw.00	Referral to COPD community nursing team
COPD	COPD1	8IEy.00	Chronic obstructive pulmon dis wr self managem plan declined
COPD	COPD1	8IEZ.00	Chronic obstructive pulmonary disease rescue pack declined
COPD	COPD1	9e03.00	GP OOH service notified of COPD care plan
COPD	COPD1	9kf0.00	COPD patient unsuitable for pulmonary rehab - enh serv admin
COPD	COPD1	9kf0.11	COPD patient unsuitable for pulmonary rehabilitation
COPD	COPD1	9kf1.00	Refer COPD structured smoking assessment - enhanc serv admin
COPD	COPD1	9kf1.11	Referred for COPD structured smoking assessment
COPD	COPD1	9kf2.00	COPD structured smoking assessment declined - enh serv admin
COPD	COPD1	9kf2.11	COPD structured smoking assessment declined
COPD	COPD1	9N4W.00	DNA - Did not attend COPD clinic
COPD	COPD1	9NgP.00	On chronic obstructive pulmonary disease supprtv cre pathway
COPD	COPD1	9NgP.11	On COPD (chr obstruc pulmonary disease) supportv cre pathway
COPD	COPD1	9Nk7000	Seen in chronic obstructive pulmonary disease clinic
COPD	COPD1	9Oi..00	Chronic obstructive pulmonary disease monitoring admin
COPD	COPD1	9Oi0.00	Chronic obstructive pulmonary disease monitoring 1st letter
COPD	COPD1	9Oi1.00	Chronic obstructive pulmonary disease monitoring 2nd letter
COPD	COPD1	9Oi2.00	Chronic obstructive pulmonary disease monitoring 3rd letter
COPD	COPD1	9Oi3.00	Chronic obstructive pulmonary disease monitoring verb invite
COPD	COPD1	9Oi4.00	Chronic obstructive pulmonary disease monitor phone invite
COPD	COPD1	H3...00	Chronic obstructive pulmonary disease
COPD	COPD1	H3...11	Chronic obstructive airways disease
COPD	COPD1	H30..00	Bronchitis unspecified
COPD	COPD1	H30..11	Chest infection - unspecified bronchitis
COPD	COPD1	H30..12	Recurrent wheezy bronchitis
COPD	COPD1	H300.00	Tracheobronchitis NOS
COPD	COPD1	H301.00	Laryngotracheobronchitis
COPD	COPD1	H302.00	Wheezy bronchitis
COPD	COPD1	H30z.00	Bronchitis NOS
COPD	COPD1	H31..00	Chronic bronchitis
COPD	COPD1	H310.00	Simple chronic bronchitis
COPD	COPD1	H310000	Chronic catarrhal bronchitis
COPD	COPD1	H310100	Smokers' cough
COPD	COPD1	H310z00	Simple chronic bronchitis NOS
COPD	COPD1	H311.00	Mucopurulent chronic bronchitis
COPD	COPD1	H311000	Purulent chronic bronchitis
COPD	COPD1	H311100	Fetid chronic bronchitis
COPD	COPD1	H311z00	Mucopurulent chronic bronchitis NOS
COPD	COPD1	H312.00	Obstructive chronic bronchitis
COPD	COPD1	H312000	Chronic asthmatic bronchitis
COPD	COPD1	H312011	Chronic wheezy bronchitis
COPD	COPD1	H312100	Emphysematous bronchitis
COPD	COPD1	H312200	Acute exacerbation of chronic obstructive airways disease
COPD	COPD1	H312300	Bronchiolitis obliterans

COPD	COPD1	H312z00	Obstructive chronic bronchitis NOS
COPD	COPD1	H313.00	Mixed simple and mucopurulent chronic bronchitis
COPD	COPD1	H31y.00	Other chronic bronchitis
COPD	COPD1	H31y000	Chronic tracheitis
COPD	COPD1	H31y100	Chronic tracheobronchitis
COPD	COPD1	H31yz00	Other chronic bronchitis NOS
COPD	COPD1	H31z.00	Chronic bronchitis NOS
COPD	COPD1	H32..00	Emphysema
COPD	COPD1	H320.00	Chronic bullous emphysema
COPD	COPD1	H320000	Segmental bullous emphysema
COPD	COPD1	H320100	Zonal bullous emphysema
COPD	COPD1	H320200	Giant bullous emphysema
COPD	COPD1	H320300	Bullous emphysema with collapse
COPD	COPD1	H320311	Tension pneumatocele
COPD	COPD1	H320z00	Chronic bullous emphysema NOS
COPD	COPD1	H321.00	Panlobular emphysema
COPD	COPD1	H322.00	Centrilobular emphysema
COPD	COPD1	H32y.00	Other emphysema
COPD	COPD1	H32y000	Acute vesicular emphysema
COPD	COPD1	H32y100	Atrophic (senile) emphysema
COPD	COPD1	H32y111	Acute interstitial emphysema
COPD	COPD1	H32y200	MacLeod's unilateral emphysema
COPD	COPD1	H32yz00	Other emphysema NOS
COPD	COPD1	H32yz11	Sawyer - Jones syndrome
COPD	COPD1	H32z.00	Emphysema NOS
COPD	COPD1	H34..00	Bronchiectasis
COPD	COPD1	H340.00	Recurrent bronchiectasis
COPD	COPD1	H341.00	Post-infective bronchiectasis
COPD	COPD1	H34z.00	Bronchiectasis NOS
COPD	COPD1	H36..00	Mild chronic obstructive pulmonary disease
COPD	COPD1	H37..00	Moderate chronic obstructive pulmonary disease
COPD	COPD1	H38..00	Severe chronic obstructive pulmonary disease
COPD	COPD1	H39..00	Very severe chronic obstructive pulmonary disease
COPD	COPD1	H3A..00	End stage chronic obstructive airways disease
COPD	COPD1	H3B..00	Asthma-chronic obstructive pulmonary disease overlap syndrom
COPD	COPD1	H3y..00	Other specified chronic obstructive airways disease
COPD	COPD1	H3y..11	Other specified chronic obstructive pulmonary disease
COPD	COPD1	H3y0.00	Chronic obstruct pulmonary dis with acute lower resp infectn
COPD	COPD1	H3y1.00	Chron obstruct pulmonary dis wth acute exacerbation, unspec
COPD	COPD1	H3z..00	Chronic obstructive airways disease NOS
COPD	COPD1	H3z..11	Chronic obstructive pulmonary disease NOS
COPD	COPD1	H464000	Chronic emphysema due to chemical fumes
COPD	COPD1	H464100	Obliterative bronchiolitis due to chemical fumes
COPD	COPD1	H581.00	Interstitial emphysema
COPD	COPD1	H583200	Eosinophilic bronchitis
COPD	COPD1	Hyu3000	[X]Other emphysema
COPD	COPD1	Hyu3100	[X]Other specified chronic obstructive pulmonary disease

Concept ID (Concept version ID): C2478 (6356)
 Concept name: Chronic obstructive pulmonary disease (COPD) Primary care - BREATHE recommended - 1
 Phenotype ID (Phenotype version ID): PH797 (2221)
 Phenotype name: Chronic obstructive pulmonary disease (COPD) Primary care

condition	ref	Read code	description
COPD	COPD2	661M300	COPD self-management plan agreed
COPD	COPD2	661N300	COPD self-management plan review
COPD	COPD2	663K.00	Airways obstructn irreversible
COPD	COPD2	66YB.00	Chronic obstructive pulmonary disease monitoring
COPD	COPD2	66YB000	Chronic obstructive pulmonary disease 3 monthly review
COPD	COPD2	66YB100	Chronic obstructive pulmonary disease 6 monthly review
COPD	COPD2	66YB200	Telehealth chronic obstructive pulmonary disease monitoring
COPD	COPD2	66YD.00	Chronic obstructive pulmonary disease monitoring due
COPD	COPD2	66Yd.00	COPD accident and emergency attendance since last visit
COPD	COPD2	66Ye.00	Emergency COPD admission since last appointment
COPD	COPD2	66Yf.00	Number of COPD exacerbations in past year
COPD	COPD2	66Yg.00	Chronic obstructive pulmonary disease disturbs sleep
COPD	COPD2	66Yh.00	Chronic obstructive pulmonary disease does not disturb sleep
COPD	COPD2	66Yi.00	Multiple COPD emergency hospital admissions
COPD	COPD2	66Yl.00	COPD self-management plan given
COPD	COPD2	66YL.00	Chronic obstructive pulmonary disease follow-up
COPD	COPD2	66YL.11	COPD follow-up
COPD	COPD2	66YL.12	COAD follow-up
COPD	COPD2	66YM.00	Chronic obstructive pulmonary disease annual review
COPD	COPD2	66YS.00	Chronic obstructive pulmonary disease monitoring by nurse
COPD	COPD2	66YT.00	Chronic obstructive pulmonary disease monitoring by doctor
COPD	COPD2	679V.00	Health education - chronic obstructive pulmonary disease
COPD	COPD2	8CMW500	Chronic obstructive pulmonary disease care pathway
COPD	COPD2	8CR1.00	Chronic obstructive pulmonary disease clini management plan
COPD	COPD2	8H2R.00	Admit COPD emergency
COPD	COPD2	90i..00	Chronic obstructive pulmonary disease monitoring admin
COPD	COPD2	90i0.00	Chronic obstructive pulmonary disease monitoring 1st letter
COPD	COPD2	90i1.00	Chronic obstructive pulmonary disease monitoring 2nd letter
COPD	COPD2	90i2.00	Chronic obstructive pulmonary disease monitoring 3rd letter
COPD	COPD2	90i3.00	Chronic obstructive pulmonary disease monitoring verb invite
COPD	COPD2	90i4.00	Chronic obstructive pulmonary disease monitor phone invite
COPD	COPD2	H3...00	Chronic obstructive pulmonary disease
COPD	COPD2	H3...11	Chronic obstructive airways disease
COPD	COPD2	H30z.00	Bronchitis NOS
COPD	COPD2	H31..00	Chronic bronchitis
COPD	COPD2	H310.00	Simple chronic bronchitis
COPD	COPD2	H310z00	Simple chronic bronchitis NOS
COPD	COPD2	H311.00	Mucopurulent chronic bronchitis
COPD	COPD2	H311z00	Mucopurulent chronic bronchitis NOS
COPD	COPD2	H312.00	Obstructive chronic bronchitis
COPD	COPD2	H312100	Emphysematous bronchitis
COPD	COPD2	H312200	Acute exacerbation of chronic obstructive airways disease

COPD	COPD2	H312z00	Obstructive chronic bronchitis NOS
COPD	COPD2	H31z.00	Chronic bronchitis NOS
COPD	COPD2	H32..00	Emphysema
COPD	COPD2	H320.00	Chronic bullous emphysema
COPD	COPD2	H320000	Segmental bullous emphysema
COPD	COPD2	H320100	Zonal bullous emphysema
COPD	COPD2	H320300	Bullous emphysema with collapse
COPD	COPD2	H320z00	Chronic bullous emphysema NOS
COPD	COPD2	H321.00	Panlobular emphysema
COPD	COPD2	H322.00	Centrilobular emphysema
COPD	COPD2	H32y.00	Other emphysema
COPD	COPD2	H32z.00	Emphysema NOS
COPD	COPD2	H36..00	Mild chronic obstructive pulmonary disease
COPD	COPD2	H37..00	Moderate chronic obstructive pulmonary disease
COPD	COPD2	H38..00	Severe chronic obstructive pulmonary disease
COPD	COPD2	H39..00	Very severe chronic obstructive pulmonary disease
COPD	COPD2	H3A..00	End stage chronic obstructive airways disease
COPD	COPD2	H3B..00	Asthma-chronic obstructive pulmonary disease overlap syndrom
COPD	COPD2	H3y..00	Other specified chronic obstructive airways disease
COPD	COPD2	H3y..11	Other specified chronic obstructive pulmonary disease
COPD	COPD2	H3y0.00	Chronic obstruct pulmonary dis with acute lower resp infectn
COPD	COPD2	H3y1.00	Chron obstruct pulmonary dis wth acute exacerbation, unspec
COPD	COPD2	H3z..00	Chronic obstructive airways disease NOS
COPD	COPD2	H3z..11	Chronic obstructive pulmonary disease NOS
COPD	COPD2	H3y3100	[X]Other specified chronic obstructive pulmonary disease

Concept ID (Concept version ID): C1884 (4906)
 Concept name Chronic Obstructive Pulmonary Disease (COPD) - Primary Care
 Phenotype ID (Phenotype version ID): PH512 (1024)
 Phenotype name: Chronic Obstructive Pulmonary Disease (COPD)

condition	ref	Read code	description
COPD	COPD3	66YB.00	Chronic obstructive pulmonary disease monitoring
COPD	COPD3	66Yd.00	COPD accident and emergency attendance since last visit
COPD	COPD3	66YD.00	Chronic obstructive pulmonary disease monitoring due
COPD	COPD3	66Ye.00	Emergency COPD admission since last appointment
COPD	COPD3	66Yf.00	Number of COPD exacerbations in past year
COPD	COPD3	66Yg.00	Chronic obstructive pulmonary disease disturbs sleep
COPD	COPD3	66Yh.00	Chronic obstructive pulmonary disease does not disturb sleep
COPD	COPD3	66Yl.00	COPD self-management plan given
COPD	COPD3	66Yi.00	Multiple COPD emergency hospital admissions
COPD	COPD3	66YL.00	Chronic obstructive pulmonary disease follow-up
COPD	COPD3	66YL.11	COPD follow-up
COPD	COPD3	66YL.12	COAD follow-up
COPD	COPD3	66YM.00	Chronic obstructive pulmonary disease annual review
COPD	COPD3	66YS.00	Chronic obstructive pulmonary disease monitoring by nurse
COPD	COPD3	66YT.00	Chronic obstructive pulmonary disease monitoring by doctor
COPD	COPD3	8H2R.00	Admit COPD emergency
COPD	COPD3	H3...00	Chronic obstructive pulmonary disease
COPD	COPD3	H31..00	Chronic bronchitis
COPD	COPD3	H310.00	Simple chronic bronchitis
COPD	COPD3	H310000	Chronic catarrhal bronchitis
COPD	COPD3	H310z00	Simple chronic bronchitis NOS
COPD	COPD3	H311.00	Mucopurulent chronic bronchitis
COPD	COPD3	H311000	Purulent chronic bronchitis
COPD	COPD3	H311100	Fetid chronic bronchitis
COPD	COPD3	H311z00	Mucopurulent chronic bronchitis NOS
COPD	COPD3	H312.00	Obstructive chronic bronchitis
COPD	COPD3	H312000	Chronic asthmatic bronchitis
COPD	COPD3	H312011	Chronic wheezy bronchitis
COPD	COPD3	H312100	Emphysematous bronchitis
COPD	COPD3	H312200	Acute exacerbation of chronic obstructive airways disease
COPD	COPD3	H312300	Bronchiolitis obliterans
COPD	COPD3	H312z00	Obstructive chronic bronchitis NOS
COPD	COPD3	H313.00	Mixed simple and mucopurulent chronic bronchitis
COPD	COPD3	H31y.00	Other chronic bronchitis
COPD	COPD3	H31y100	Chronic tracheobronchitis
COPD	COPD3	H31yz00	Other chronic bronchitis NOS
COPD	COPD3	H31z.00	Chronic bronchitis NOS
COPD	COPD3	H32..00	Emphysema
COPD	COPD3	H320.00	Chronic bullous emphysema
COPD	COPD3	H320000	Segmental bullous emphysema
COPD	COPD3	H320100	Zonal bullous emphysema
COPD	COPD3	H320200	Giant bullous emphysema
COPD	COPD3	H320300	Bullous emphysema with collapse

COPD	COPD3	H320z00	Chronic bullous emphysema NOS
COPD	COPD3	H321.00	Panlobular emphysema
COPD	COPD3	H322.00	Centrilobular emphysema
COPD	COPD3	H32y.00	Other emphysema
COPD	COPD3	H32y000	Acute vesicular emphysema
COPD	COPD3	H32y100	Atrophic (senile) emphysema
COPD	COPD3	H32y111	Acute interstitial emphysema
COPD	COPD3	H32y200	MacLeod's unilateral emphysema
COPD	COPD3	H32yz00	Other emphysema NOS
COPD	COPD3	H32z.00	Emphysema NOS
COPD	COPD3	H36..00	Mild chronic obstructive pulmonary disease
COPD	COPD3	H37..00	Moderate chronic obstructive pulmonary disease
COPD	COPD3	H38..00	Severe chronic obstructive pulmonary disease
COPD	COPD3	H3y..11	Other specified chronic obstructive pulmonary disease
COPD	COPD3	H3z..11	Chronic obstructive pulmonary disease NOS

Concept ID (Concept version ID): C805 (2749)
 Concept name Chronic Obstructive Pulmonary Disease (COPD) - Primary care
 Phenotype ID (Phenotype version ID): PH43 (86)
 Phenotype name: Chronic Obstructive Pulmonary Disease (COPD)

condition	ref	Read code	description
COPD	COPD4	14B3.12	History of chronic obstructive pulmonary disease
COPD	COPD4	H3...00	Chronic obstructive pulmonary disease
COPD	COPD4	H3...11	Chronic obstructive airways disease
COPD	COPD4	H31..00	Chronic bronchitis
COPD	COPD4	H310.00	Simple chronic bronchitis
COPD	COPD4	H310000	Chronic catarrhal bronchitis
COPD	COPD4	H310z00	Simple chronic bronchitis NOS
COPD	COPD4	H311.00	Mucopurulent chronic bronchitis
COPD	COPD4	H311000	Purulent chronic bronchitis
COPD	COPD4	H311100	Fetid chronic bronchitis
COPD	COPD4	H311z00	Mucopurulent chronic bronchitis NOS
COPD	COPD4	H312.00	Obstructive chronic bronchitis
COPD	COPD4	H312000	Chronic asthmatic bronchitis
COPD	COPD4	H312011	Chronic wheezy bronchitis
COPD	COPD4	H312100	Emphysematous bronchitis
COPD	COPD4	H312200	Acute exacerbation of chronic obstructive airways disease
COPD	COPD4	H312300	Bronchiolitis obliterans
COPD	COPD4	H312z00	Obstructive chronic bronchitis NOS
COPD	COPD4	H313.00	Mixed simple and mucopurulent chronic bronchitis
COPD	COPD4	H31y.00	Other chronic bronchitis
COPD	COPD4	H31y100	Chronic tracheobronchitis
COPD	COPD4	H31yz00	Other chronic bronchitis NOS
COPD	COPD4	H31z.00	Chronic bronchitis NOS
COPD	COPD4	H32..00	Emphysema
COPD	COPD4	H320.00	Chronic bullous emphysema
COPD	COPD4	H320000	Segmental bullous emphysema
COPD	COPD4	H320100	Zonal bullous emphysema
COPD	COPD4	H320200	Giant bullous emphysema
COPD	COPD4	H320300	Bullous emphysema with collapse
COPD	COPD4	H320z00	Chronic bullous emphysema NOS
COPD	COPD4	H321.00	Panlobular emphysema
COPD	COPD4	H322.00	Centrilobular emphysema
COPD	COPD4	H32y.00	Other emphysema
COPD	COPD4	H32y000	Acute vesicular emphysema
COPD	COPD4	H32y100	Atrophic (senile) emphysema
COPD	COPD4	H32y111	Acute interstitial emphysema
COPD	COPD4	H32y200	MacLeod's unilateral emphysema
COPD	COPD4	H32yz00	Other emphysema NOS
COPD	COPD4	H32z.00	Emphysema NOS
COPD	COPD4	H36..00	Mild chronic obstructive pulmonary disease
COPD	COPD4	H37..00	Moderate chronic obstructive pulmonary disease
COPD	COPD4	H38..00	Severe chronic obstructive pulmonary disease
COPD	COPD4	H39..00	Very severe chronic obstructive pulmonary disease

COPD	COPD4	H3A..00	End stage chronic obstructive airways disease
COPD	COPD4	H3y..00	Other specified chronic obstructive airways disease
COPD	COPD4	H3y..11	Other specified chronic obstructive pulmonary disease
COPD	COPD4	H3y0.00	Chronic obstruct pulmonary dis with acute lower resp infectn
COPD	COPD4	H3y1.00	Chron obstruct pulmonary dis wth acute exacerbation, unspec
COPD	COPD4	H3z..00	Chronic obstructive airways disease NOS
COPD	COPD4	H3z..11	Chronic obstructive pulmonary disease NOS
COPD	COPD4	H464000	Chronic emphysema due to chemical fumes
COPD	COPD4	H464100	Obliterative bronchiolitis due to chemical fumes
COPD	COPD4	H583200	Eosinophilic bronchitis
COPD	COPD4	Hyu3000	[X]Other emphysema
COPD	COPD4	Hyu3100	[X]Other specified chronic obstructive pulmonary disease

Concept ID (Concept version ID): C2036 (5210)
 Concept name Chronic Obstructive Pulmonary Disease (COPD) - Primary Care
 Phenotype ID (Phenotype version ID): PH627 (1254)
 Phenotype name: Chronic Obstructive Pulmonary Disease (COPD)

condition	ref	Read code	description
COPD	COPD5	H3...00	Chronic obstructive pulmonary disease
COPD	COPD5	H31..00	Chronic bronchitis
COPD	COPD5	H310.00	Simple chronic bronchitis
COPD	COPD5	H310000	Chronic catarrhal bronchitis
COPD	COPD5	H310z00	Simple chronic bronchitis NOS
COPD	COPD5	H311.00	Mucopurulent chronic bronchitis
COPD	COPD5	H311000	Purulent chronic bronchitis
COPD	COPD5	H311100	Fetid chronic bronchitis
COPD	COPD5	H311z00	Mucopurulent chronic bronchitis NOS
COPD	COPD5	H312.00	Obstructive chronic bronchitis
COPD	COPD5	H312000	Chronic asthmatic bronchitis
COPD	COPD5	H312011	Chronic wheezy bronchitis
COPD	COPD5	H312100	Emphysematous bronchitis
COPD	COPD5	H312300	Bronchiolitis obliterans
COPD	COPD5	H312z00	Obstructive chronic bronchitis NOS
COPD	COPD5	H313.00	Mixed simple and mucopurulent chronic bronchitis
COPD	COPD5	H31y.00	Other chronic bronchitis
COPD	COPD5	H31y100	Chronic tracheobronchitis
COPD	COPD5	H31yz00	Other chronic bronchitis NOS
COPD	COPD5	H31z.00	Chronic bronchitis NOS
COPD	COPD5	H32..00	Emphysema
COPD	COPD5	H320.00	Chronic bullous emphysema
COPD	COPD5	H320000	Segmental bullous emphysema
COPD	COPD5	H320100	Zonal bullous emphysema
COPD	COPD5	H320200	Giant bullous emphysema
COPD	COPD5	H320300	Bullous emphysema with collapse
COPD	COPD5	H320z00	Chronic bullous emphysema NOS
COPD	COPD5	H321.00	Panlobular emphysema
COPD	COPD5	H322.00	Centrilobular emphysema
COPD	COPD5	H32y.00	Other emphysema
COPD	COPD5	H32y000	Acute vesicular emphysema
COPD	COPD5	H32y100	Atrophic (senile) emphysema
COPD	COPD5	H32y111	Acute interstitial emphysema
COPD	COPD5	H32y200	MacLeod's unilateral emphysema
COPD	COPD5	H32yz00	Other emphysema NOS
COPD	COPD5	H32z.00	Emphysema NOS
COPD	COPD5	H36..00	Mild chronic obstructive pulmonary disease
COPD	COPD5	H37..00	Moderate chronic obstructive pulmonary disease
COPD	COPD5	H38..00	Severe chronic obstructive pulmonary disease
COPD	COPD5	H3y..11	Other specified chronic obstructive pulmonary disease
COPD	COPD5	H3z..11	Chronic obstructive pulmonary disease NOS

Table S4c: COPD Read codes present in codelists (136 distinct Read codes)

Code	Description	Present in the codelist					Total codelist present in
		COPD1	COPD2	COPD3	COPD4	COPD5	
H3...00	chronic obstructive pulmonary disease	Yes	Yes	Yes	Yes	Yes	5
H31..00	chronic bronchitis	Yes	Yes	Yes	Yes	Yes	5
H310.00	simple chronic bronchitis	Yes	Yes	Yes	Yes	Yes	5
H310z00	simple chronic bronchitis nos	Yes	Yes	Yes	Yes	Yes	5
H311.00	mucopurulent chronic bronchitis	Yes	Yes	Yes	Yes	Yes	5
H311z00	mucopurulent chronic bronchitis nos	Yes	Yes	Yes	Yes	Yes	5
H312.00	obstructive chronic bronchitis	Yes	Yes	Yes	Yes	Yes	5
H312100	emphysematous bronchitis	Yes	Yes	Yes	Yes	Yes	5
H312z00	obstructive chronic bronchitis nos	Yes	Yes	Yes	Yes	Yes	5
H31z.00	chronic bronchitis nos	Yes	Yes	Yes	Yes	Yes	5
H32..00	emphysema	Yes	Yes	Yes	Yes	Yes	5
H320.00	chronic bullous emphysema	Yes	Yes	Yes	Yes	Yes	5
H320000	segmental bullous emphysema	Yes	Yes	Yes	Yes	Yes	5
H320100	zonal bullous emphysema	Yes	Yes	Yes	Yes	Yes	5
H320300	bullous emphysema with collapse	Yes	Yes	Yes	Yes	Yes	5
H320z00	chronic bullous emphysema nos	Yes	Yes	Yes	Yes	Yes	5
H321.00	panlobular emphysema	Yes	Yes	Yes	Yes	Yes	5
H322.00	centrilobular emphysema	Yes	Yes	Yes	Yes	Yes	5
H32y.00	other emphysema	Yes	Yes	Yes	Yes	Yes	5
H32z.00	emphysema nos	Yes	Yes	Yes	Yes	Yes	5
H36..00	mild chronic obstructive pulmonary disease	Yes	Yes	Yes	Yes	Yes	5
H37..00	moderate chronic obstructive pulmonary disease	Yes	Yes	Yes	Yes	Yes	5
H38..00	severe chronic obstructive pulmonary disease	Yes	Yes	Yes	Yes	Yes	5
H3y..11	other specified chronic obstructive pulmonary disease	Yes	Yes	Yes	Yes	Yes	5
H3z..11	chronic obstructive pulmonary disease nos	Yes	Yes	Yes	Yes	Yes	5
H310000	chronic catarrhal bronchitis	Yes	No	Yes	Yes	Yes	4
H311000	purulent chronic bronchitis	Yes	No	Yes	Yes	Yes	4
H311100	fetid chronic bronchitis	Yes	No	Yes	Yes	Yes	4
H312000	chronic asthmatic bronchitis	Yes	No	Yes	Yes	Yes	4
H312011	chronic wheezy bronchitis	Yes	No	Yes	Yes	Yes	4
H312200	acute exacerbation of chronic obstructive airways disease	Yes	Yes	Yes	Yes	No	4
H312300	bronchiolitis obliterans	Yes	No	Yes	Yes	Yes	4
H313.00	mixed simple and mucopurulent chronic bronchitis	Yes	No	Yes	Yes	Yes	4
H31y.00	other chronic bronchitis	Yes	No	Yes	Yes	Yes	4
H31y100	chronic tracheobronchitis	Yes	No	Yes	Yes	Yes	4
H31yz00	other chronic bronchitis nos	Yes	No	Yes	Yes	Yes	4
H320200	giant bullous emphysema	Yes	No	Yes	Yes	Yes	4
H32y000	acute vesicular emphysema	Yes	No	Yes	Yes	Yes	4

H32y100	atrophic (senile) emphysema	Yes	No	Yes	Yes	Yes	4
H32y111	acute interstitial emphysema	Yes	No	Yes	Yes	Yes	4
H32y200	macLeod's unilateral emphysema	Yes	No	Yes	Yes	Yes	4
H32yz00	other emphysema nos	Yes	No	Yes	Yes	Yes	4
66YB.00	chronic obstructive pulmonary disease monitoring	Yes	Yes	Yes	No	No	3
66YD.00	chronic obstructive pulmonary disease monitoring due	Yes	Yes	Yes	No	No	3
66YI.00	copd self-management plan given	Yes	Yes	Yes	No	No	3
66YL.00	chronic obstructive pulmonary disease follow-up	Yes	Yes	Yes	No	No	3
66YL.11	copd follow-up	Yes	Yes	Yes	No	No	3
66YL.12	coad follow-up	Yes	Yes	Yes	No	No	3
66YM.00	chronic obstructive pulmonary disease annual review	Yes	Yes	Yes	No	No	3
66YS.00	chronic obstructive pulmonary disease monitoring by nurse	Yes	Yes	Yes	No	No	3
66YT.00	chronic obstructive pulmonary disease monitoring by doctor	Yes	Yes	Yes	No	No	3
66Yd.00	copd accident and emergency attendance since last visit	Yes	Yes	Yes	No	No	3
66Ye.00	emergency copd admission since last appointment	Yes	Yes	Yes	No	No	3
66Yf.00	number of copd exacerbations in past year	Yes	Yes	Yes	No	No	3
66Yg.00	chronic obstructive pulmonary disease disturbs sleep	Yes	Yes	Yes	No	No	3
66Yh.00	chronic obstructive pulmonary disease does not disturb sleep	Yes	Yes	Yes	No	No	3
66Yi.00	multiple copd emergency hospital admissions	Yes	Yes	Yes	No	No	3
8H2R.00	admit copd emergency	Yes	Yes	Yes	No	No	3
H3...11	chronic obstructive airways disease	Yes	Yes	No	Yes	No	3
H39..00	very severe chronic obstructive pulmonary disease	Yes	Yes	No	Yes	No	3
H3A..00	end stage chronic obstructive airways disease	Yes	Yes	No	Yes	No	3
H3y..00	other specified chronic obstructive airways disease	Yes	Yes	No	Yes	No	3
H3y0.00	chronic obstruct pulmonary dis with acute lower resp infectn	Yes	Yes	No	Yes	No	3
H3y1.00	chron obstruct pulmonary dis wth acute exacerbation, unspec	Yes	Yes	No	Yes	No	3
H3z..00	chronic obstructive airways disease nos	Yes	Yes	No	Yes	No	3
Hyu3100	[x]other specified chronic obstructive pulmonary disease	Yes	Yes	No	Yes	No	3
14B3.12	history of chronic obstructive pulmonary disease	Yes	No	No	Yes	No	2
661M300	copd self-management plan agreed	Yes	Yes	No	No	No	2
661N300	copd self-management plan review	Yes	Yes	No	No	No	2
663K.00	airways obstructn irreversible	Yes	Yes	No	No	No	2
66YB000	chronic obstructive pulmonary disease 3 monthly review	Yes	Yes	No	No	No	2
66YB100	chronic obstructive pulmonary disease 6 monthly review	Yes	Yes	No	No	No	2
66YB200	telehealth chronic obstructive pulmonary disease monitoring	Yes	Yes	No	No	No	2
679V.00	health education - chronic obstructive pulmonary disease	Yes	Yes	No	No	No	2
8CMW500	chronic obstructive pulmonary disease care pathway	Yes	Yes	No	No	No	2
8CR1.00	chronic obstructive pulmonary disease clini management plan	Yes	Yes	No	No	No	2
90i..00	chronic obstructive pulmonary disease monitoring admin	Yes	Yes	No	No	No	2
90i0.00	chronic obstructive pulmonary disease monitoring 1st letter	Yes	Yes	No	No	No	2
90i1.00	chronic obstructive pulmonary disease monitoring 2nd letter	Yes	Yes	No	No	No	2
90i2.00	chronic obstructive pulmonary disease monitoring 3rd letter	Yes	Yes	No	No	No	2

90i3.00	chronic obstructive pulmonary disease monitoring verb invite	Yes	Yes	No	No	No	2
90i4.00	chronic obstructive pulmonary disease monitor phone invite	Yes	Yes	No	No	No	2
H30z.00	bronchitis nos	Yes	Yes	No	No	No	2
H3B..00	asthma-chronic obstructive pulmonary disease overlap syndrom	Yes	Yes	No	No	No	2
H464000	chronic emphysema due to chemical fumes	Yes	No	No	Yes	No	2
H464100	obliterative bronchiolitis due to chemical fumes	Yes	No	No	Yes	No	2
H583200	eosinophilic bronchitis	Yes	No	No	Yes	No	2
Hyu3000	[x]other emphysema	Yes	No	No	Yes	No	2
14B3.11	h/o: bronchitis	Yes	No	No	No	No	1
14OX.00	at risk of chronic obstructive pulmonary diseas exacerbation	Yes	No	No	No	No	1
1J71.00	suspected chronic obstructive pulmonary disease	Yes	No	No	No	No	1
2126F00	chronic obstructive pulmonary disease resolved	Yes	No	No	No	No	1
38Dd.00	clinical chronic obstructive pulmonary disease questionnaire	Yes	No	No	No	No	1
38Dg.00	chronic obstructive pulmonary disease assessment test	Yes	No	No	No	No	1
6639	home oxygen supply	Yes	No	No	No	No	1
6639.11	home oxygen supply started	Yes	No	No	No	No	1
6639.12	oxygen at home	Yes	No	No	No	No	1
663E.00	home oxygen supply stopped	Yes	No	No	No	No	1
66Yj.00	home oxygen supply - cylinder	Yes	No	No	No	No	1
66Yk.00	home oxygen supply - concentrator	Yes	No	No	No	No	1
66Yl.00	home oxygen supply - liquid oxygen	Yes	No	No	No	No	1
66Yn.00	oxygen therapy initial assessment	Yes	No	No	No	No	1
8BMW.00	issue of chronic obstructive pulmonary disease rescue pack	Yes	No	No	No	No	1
8BMa000	chronic obstructiv pulmonary disease medication optimisation	Yes	No	No	No	No	1
8CE6.00	chronic obstructive pulmonary disease leaflet given	Yes	No	No	No	No	1
8CMV.00	has chronic obstructive pulmonary disease care plan	Yes	No	No	No	No	1
8CeD.00	preferred place of care for next exacerbation of copd	Yes	No	No	No	No	1
8Hkw.00	referral to copd community nursing team	Yes	No	No	No	No	1
8IEZ.00	chronic obstructive pulmonary disease rescue pack declined	Yes	No	No	No	No	1
8IEy.00	chronic obstructive pulmon dis wr self managem plan declined	Yes	No	No	No	No	1
9N4W.00	dna - did not attend copd clinic	Yes	No	No	No	No	1
9NgP.00	on chronic obstructive pulmonary disease supprtvr cre pathway	Yes	No	No	No	No	1
9NgP.11	on copd (chr obstruc pulmonary disease) supportvr cre pathway	Yes	No	No	No	No	1
9Nk7000	seen in chronic obstructive pulmonary disease clinic	Yes	No	No	No	No	1
9e03.00	gp ooh service notified of copd care plan	Yes	No	No	No	No	1
9kf0.00	copd patient unsuitable for pulmonary rehab - enh serv admin	Yes	No	No	No	No	1
9kf0.11	copd patient unsuitable for pulmonary rehabilitation	Yes	No	No	No	No	1
9kf1.00	refer copd structured smoking assessment - enhanc serv admin	Yes	No	No	No	No	1
9kf1.11	referred for copd structured smoking assessment	Yes	No	No	No	No	1
9kf2.00	copd structured smoking assessment declined - enh serv admin	Yes	No	No	No	No	1
9kf2.11	copd structured smoking assessment declined	Yes	No	No	No	No	1
H30..00	bronchitis unspecified	Yes	No	No	No	No	1

H30..11	chest infection - unspecified bronchitis	Yes	No	No	No	No	1
H30..12	recurrent wheezy bronchitis	Yes	No	No	No	No	1
H300.00	tracheobronchitis nos	Yes	No	No	No	No	1
H301.00	laryngotracheobronchitis	Yes	No	No	No	No	1
H302.00	wheezy bronchitis	Yes	No	No	No	No	1
H310100	smokers' cough	Yes	No	No	No	No	1
H31y000	chronic tracheitis	Yes	No	No	No	No	1
H320311	tension pneumatocele	Yes	No	No	No	No	1
H32yz11	sawyer - jones syndrome	Yes	No	No	No	No	1
H34..00	bronchiectasis	Yes	No	No	No	No	1
H340.00	recurrent bronchiectasis	Yes	No	No	No	No	1
H341.00	post-infective bronchiectasis	Yes	No	No	No	No	1
H34z.00	bronchiectasis nos	Yes	No	No	No	No	1
H581.00	interstitial emphysema	Yes	No	No	No	No	1

Table S5a: Depression codelists summary

Codelist	N Read codes	Link	Reference
DEP1	135	https://phenotypes.healthdatagateway.org/phenotypes/PH3/version/6/detail/	Matthew J Carr, Sarah Steeg, Roger T Webb, Nav Kapur, Carolyn A Chew-Graham, Kathrym M Abel, Holly Hope, Matthias Pierce, Darren M. Ashcroft. PH3 / 6 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH3/version/6/detail/ . [Accessed 10 March 2025]
DEP2	131	https://phenotypes.healthdatagateway.org/phenotypes/PH823/version/1725/detail/	Kathryn M Abel, Holly Hope, Eleanor Swift, Rosa Parisi, Darren M Ashcroft, Kyriaki Kosidov, Semre Su Osam, Christian Dolman, Mathias Pierce. PH823 / 1725 - Depression. Phenotype Library [Online]. 04 April 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH823/version/1725/detail/ . [Accessed 10 March 2025]
DEP3	121	https://phenotypes.healthdatagateway.org/phenotypes/PH149/version/298/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH149 / 298 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH149/version/298/detail/ . [Accessed 10 March 2025]
DEP4	107	https://phenotypes.healthdatagateway.org/phenotypes/PH586/version/1172/detail/	Catherine Morgan, Roger T Webb, Mathew J Carr, Evangelos Kontopantelis, Jonathan Green, Carolyn A Chew-Graham, Nav Kapur, Darren M Ashcroft. PH586 / 1172 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH586/version/1172/detail/ . [Accessed 10 March 2025]
DEP5	105	https://phenotypes.healthdatagateway.org/phenotypes/PH372/version/744/detail/	Matthew J Carr, Darren M Ashcroft, Evangelos Kontopantelis, David While, Yvonne Awenant, Jayne Cooper, Carolyn Chew-Graham, Nav Kapur, Roger T Webb. PH372 / 744 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH372/version/744/detail/ . [Accessed 10 March 2025]
DEP6	105	https://phenotypes.healthdatagateway.org/phenotypes/PH700/version/1400/detail/	K Windfuhr, D While, N Kapur, D M Ashcroft, E Kontopantelis, M J Carr, J Shaw, L Applyby, R T Webb. PH700 / 1400 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH700/version/1400/detail/ . [Accessed 10 March 2025]
DEP7	100	https://phenotypes.healthdatagateway.org/phenotypes/PH418/version/836/detail/	Tim Doran, Evangelos Kontopantelis, Jose M Valderas, Stephen Campbell, Martin Roland, Chris Salisbury, David Reeves. PH418 / 836 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH418/version/836/detail/ . [Accessed 10 March 2025]
DEP8	100	https://phenotypes.healthdatagateway.org/phenotypes/PH517/version/1034/detail/	Evangelos Kontopantelis, David Reeves, Jose M Valderas, Stephen Campbell, Tim Doran. PH517 / 1034 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH517/version/1034/detail/ . [Accessed 10 March 2025]
DEP9	88	https://phenotypes.healthdatagateway.org/phenotypes/PH516/version/1032/detail/	Evangelos Kontopantelis, David A Springate, David Reeves, Darren M. Ashcroft, Martin Rutter, Iain Buchan, Tim Doran, Matthias Pierce, Darren M. Ashcroft. PH516 / 1032 - Depression. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH516/version/1032/detail/ . [Accessed 10 March 2025]

Table S5b: Depression codelists

Concept ID (Concept version ID): C717 (2573)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH3 (6)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP1	2257	O/E - depressed
Depression	DEP1	6659000	Antidepressant drug treatment started
Depression	DEP1	1B17.00	Depressed
Depression	DEP1	212S.00	Depression resolved
Depression	DEP1	62T1.00	Puerperal depression
Depression	DEP1	6G00.00	Postnatal depression counselling
Depression	DEP1	8BK0.00	Depression management programme
Depression	DEP1	8CAa.00	Patient given advice about management of depression
Depression	DEP1	8HHq.00	Referral for guided self-help for depression
Depression	DEP1	8HHq000	Referral for depression self-help video
Depression	DEP1	8IH5200	Referral for guided self-help for depression declined
Depression	DEP1	9H90.00	Depression annual review
Depression	DEP1	9H91.00	Depression medication review
Depression	DEP1	9H92.00	Depression interim review
Depression	DEP1	9HA0.00	On depression register
Depression	DEP1	9hC..00	Exception reporting: depression quality indicators
Depression	DEP1	9hC0.00	Excepted from depression quality indicators: Patient unsuita
Depression	DEP1	9hC1.00	Excepted from depression quality indicators: Informed dissen
Depression	DEP1	9k4..00	Depression - enhanced services administration
Depression	DEP1	9k40.00	Depression - enhanced service completed
Depression	DEP1	9kQ..00	On full dose long term treatment depression - enh serv admin
Depression	DEP1	9kQ..11	On full dose long term treatment for depression
Depression	DEP1	9Ov..00	Depression monitoring administration
Depression	DEP1	9Ov0.00	Depression monitoring first letter
Depression	DEP1	9Ov1.00	Depression monitoring second letter
Depression	DEP1	9Ov2.00	Depression monitoring third letter
Depression	DEP1	9Ov3.00	Depression monitoring verbal invite
Depression	DEP1	9Ov4.00	Depression monitoring telephone invite
Depression	DEP1	E11..12	Depressive psychoses
Depression	DEP1	E112.00	Single major depressive episode
Depression	DEP1	E112.11	Agitated depression
Depression	DEP1	E112.12	Endogenous depression first episode
Depression	DEP1	E112.13	Endogenous depression first episode
Depression	DEP1	E112.14	Endogenous depression
Depression	DEP1	E112000	Single major depressive episode; unspecified
Depression	DEP1	E112100	Single major depressive episode; mild
Depression	DEP1	E112200	Single major depressive episode; moderate
Depression	DEP1	E112300	Single major depressive episode; severe; without psychosis
Depression	DEP1	E112400	Single major depressive episode; severe; with psychosis
Depression	DEP1	E112500	Single major depressive episode; partial or unspec remission
Depression	DEP1	E112600	Single major depressive episode; in full remission

Depression	DEP1	E112z00	Single major depressive episode NOS
Depression	DEP1	E113.00	Recurrent major depressive episode
Depression	DEP1	E113.11	Endogenous depression - recurrent
Depression	DEP1	E113000	Recurrent major depressive episodes; unspecified
Depression	DEP1	E113100	Recurrent major depressive episodes; mild
Depression	DEP1	E113200	Recurrent major depressive episodes; moderate
Depression	DEP1	E113300	Recurrent major depressive episodes; severe; no psychosis
Depression	DEP1	E113400	Recurrent major depressive episodes; severe; with psychosis
Depression	DEP1	E113500	Recurrent major depressive episodes;partial/unspec remission
Depression	DEP1	E113600	Recurrent major depressive episodes; in full remission
Depression	DEP1	E113700	Recurrent depression
Depression	DEP1	E113z00	Recurrent major depressive episode NOS
Depression	DEP1	E118.00	Seasonal affective disorder
Depression	DEP1	E11y200	Atypical depressive disorder
Depression	DEP1	E11z200	Masked depression
Depression	DEP1	E130.00	Reactive depressive psychosis
Depression	DEP1	E130.11	Psychotic reactive depression
Depression	DEP1	E135.00	Agitated depression
Depression	DEP1	E200300	Anxiety with depression
Depression	DEP1	E204.00	Neurotic depression reactive type
Depression	DEP1	E204.11	Postnatal depression
Depression	DEP1	E204.99	Reactive (neurotic) depression
Depression	DEP1	E290z00	Brief depressive reaction NOS
Depression	DEP1	E2B..00	Depressive disorder NEC
Depression	DEP1	E2B..98	Depression
Depression	DEP1	E2B..99	Depression NOS
Depression	DEP1	E2B1.00	Chronic depression
Depression	DEP1	Eu05300	[X]Organic mood [affective] disorders
Depression	DEP1	Eu20400	[X]Post-schizophrenic depression
Depression	DEP1	Eu3..00	[X]Mood - affective disorders
Depression	DEP1	Eu32.00	[X]Depressive episode
Depression	DEP1	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP1	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP1	Eu32.13	[X]Single episode of reactive depression
Depression	DEP1	Eu32000	[X]Mild depressive episode
Depression	DEP1	Eu32099	Mild depression
Depression	DEP1	Eu32100	[X]Moderate depressive episode
Depression	DEP1	Eu32199	Moderate depression
Depression	DEP1	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP1	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP1	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP1	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP1	Eu32299	Severe depression
Depression	DEP1	Eu32300	[X]Severe depressive episode with psychotic symptoms
Depression	DEP1	Eu32311	[X]Single episode of major depression and psychotic symptoms
Depression	DEP1	Eu32312	[X]Single episode of psychogenic depressive psychosis
Depression	DEP1	Eu32313	[X]Single episode of psychotic depression
Depression	DEP1	Eu32314	[X]Single episode of reactive depressive psychosis

Depression	DEP1	Eu32400	[X]Mild depression
Depression	DEP1	Eu32500	[X]Major depression; mild
Depression	DEP1	Eu32600	[X]Major depression; moderately severe
Depression	DEP1	Eu32700	[X]Major depression; severe without psychotic symptoms
Depression	DEP1	Eu32800	[X]Major depression; severe with psychotic symptoms
Depression	DEP1	Eu32900	Single major depressive episode; severe; with psychosis; psychosis in remission
Depression	DEP1	Eu32A00	Recurrent major depressive episodes; severe; with psychosis; psychosis in remission
Depression	DEP1	Eu32B00	[X]Antenatal depression
Depression	DEP1	Eu32y00	[X]Other depressive episodes
Depression	DEP1	Eu32y11	[X]Atypical depression
Depression	DEP1	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP1	Eu32z00	[X]Depressive episode; unspecified
Depression	DEP1	Eu32z11	[X]Depression NOS
Depression	DEP1	Eu32z12	[X]Depressive disorder NOS
Depression	DEP1	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP1	Eu32z14	[X] Reactive depression NOS
Depression	DEP1	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP1	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP1	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP1	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP1	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP1	Eu33000	[X]Recurrent depressive disorder; current episode mild
Depression	DEP1	Eu33100	[X]Recurrent depressive disorder; current episode moderate
Depression	DEP1	Eu33200	[X]Recurr depress disorder cur epi severe without psyc symp
Depression	DEP1	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP1	Eu33212	[X]Major depression; recurrent without psychotic symptoms
Depression	DEP1	Eu33214	[X]Vital depression; recurrent without psychotic symptoms
Depression	DEP1	Eu33300	[X]Recurrent depress disorder cur epi severe with psyc symp
Depression	DEP1	Eu33311	[X]Endogenous depression with psychotic symptoms
Depression	DEP1	Eu33313	[X]Recurr severe episodes/major depression+psychotic symptom
Depression	DEP1	Eu33314	[X]Recurr severe episodes/psychogenic depressive psychosis
Depression	DEP1	Eu33315	[X]Recurrent severe episodes of psychotic depression
Depression	DEP1	Eu33316	[X]Recurrent severe episodes/reactive depressive psychosis
Depression	DEP1	Eu33400	[X]Recurrent depressive disorder; currently in remission
Depression	DEP1	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP1	Eu33z00	[X]Recurrent depressive disorder; unspecified
Depression	DEP1	Eu33z11	[X]Monopolar depression NOS
Depression	DEP1	Eu34111	[X]Depressive neurosis
Depression	DEP1	Eu34113	[X]Neurotic depression
Depression	DEP1	Eu34114	[X]Persistant anxiety depression
Depression	DEP1	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP1	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP1	Eu41211	[X]Mild anxiety depression
Depression	DEP1	Eu53011	[X]Postnatal depression NOS
Depression	DEP1	Eu53012	[X]Postpartum depression NOS
Depression	DEP1	R007z13	[D]Postoperative depression

Concept ID (Concept version ID): C2578 (6569)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH823 (1725)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP2	1465	H/O: depression
Depression	DEP2	2257	O/E - depressed
Depression	DEP2	1B17.00	Depressed
Depression	DEP2	1B17.11	C/O - feeling depressed
Depression	DEP2	1B17.12	C/O - feeling unhappy
Depression	DEP2	1B1I111	C/O weepiness
Depression	DEP2	1B1U.00	Symptoms of depression
Depression	DEP2	1B1U.11	Depressive symptoms
Depression	DEP2	1BO..00	Mood swings
Depression	DEP2	1BQ..00	Loss of capacity for enjoyment
Depression	DEP2	1BT..00	Depressed mood
Depression	DEP2	1BT..11	Low mood
Depression	DEP2	1BU..00	Loss of hope for the future
Depression	DEP2	1JJ..00	Suspected depression
Depression	DEP2	212S.00	Depression resolved
Depression	DEP2	62T1.00	Puerperal depression
Depression	DEP2	8BK0.00	Depression management programme
Depression	DEP2	8HHq.00	Referral for guided self-help for depression
Depression	DEP2	9H90.00	Depression annual review
Depression	DEP2	9H91.00	Depression medication review
Depression	DEP2	9H92.00	Depression interim review
Depression	DEP2	9HA0.00	On depression register
Depression	DEP2	9HA1.00	Removed from depression register
Depression	DEP2	9kQ..00	On full dose long term treatment depression - enh serv admin
Depression	DEP2	E03y300	Unspecified puerperal psychosis
Depression	DEP2	E11..12	Depressive psychoses
Depression	DEP2	E112.00	Single major depressive episode
Depression	DEP2	E112.11	Agitated depression
Depression	DEP2	E112.12	Endogenous depression first episode
Depression	DEP2	E112.13	Endogenous depression first episode
Depression	DEP2	E112.14	Endogenous depression
Depression	DEP2	E112000	Single major depressive episode, unspecified
Depression	DEP2	E112100	Single major depressive episode, mild
Depression	DEP2	E112200	Single major depressive episode, moderate
Depression	DEP2	E112300	Single major depressive episode, severe, without psychosis
Depression	DEP2	E112500	Single major depressive episode, partial or unspec remission
Depression	DEP2	E112600	Single major depressive episode, in full remission
Depression	DEP2	E112z00	Single major depressive episode NOS
Depression	DEP2	E113.00	Recurrent major depressive episode
Depression	DEP2	E113.11	Endogenous depression - recurrent
Depression	DEP2	E113000	Recurrent major depressive episodes, unspecified
Depression	DEP2	E113100	Recurrent major depressive episodes, mild
Depression	DEP2	E113200	Recurrent major depressive episodes, moderate

Depression	DEP2	E113300	Recurrent major depressive episodes, severe, no psychosis
Depression	DEP2	E113500	Recurrent major depressive episodes, partial/unspec remission
Depression	DEP2	E113600	Recurrent major depressive episodes, in full remission
Depression	DEP2	E113700	Recurrent depression
Depression	DEP2	E113z00	Recurrent major depressive episode NOS
Depression	DEP2	E118.00	Seasonal affective disorder
Depression	DEP2	E11y200	Atypical depressive disorder
Depression	DEP2	E11z100	Rebound mood swings
Depression	DEP2	E11z200	Masked depression
Depression	DEP2	E135.00	Agitated depression
Depression	DEP2	E204.00	Neurotic depression reactive type
Depression	DEP2	E204.11	Postnatal depression
Depression	DEP2	E211200	Depressive personality disorder
Depression	DEP2	E290.00	Brief depressive reaction
Depression	DEP2	E290z00	Brief depressive reaction NOS
Depression	DEP2	E291.00	Prolonged depressive reaction
Depression	DEP2	E2B..00	Depressive disorder NEC
Depression	DEP2	E2B0.00	Postviral depression
Depression	DEP2	E2B1.00	Chronic depression
Depression	DEP2	Eu15500	[X]Mental/behav dis oth stims inc caffeine: psychotic dis
Depression	DEP2	Eu3..00	[X]Mood - affective disorders
Depression	DEP2	Eu32.00	[X]Depressive episode
Depression	DEP2	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP2	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP2	Eu32.13	[X]Single episode of reactive depression
Depression	DEP2	Eu32000	[X]Mild depressive episode
Depression	DEP2	Eu32100	[X]Moderate depressive episode
Depression	DEP2	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP2	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP2	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP2	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP2	Eu32400	[X]Mild depression
Depression	DEP2	Eu32500	[X]Major depression, mild
Depression	DEP2	Eu32600	[X]Major depression, moderately severe
Depression	DEP2	Eu32700	[X]Major depression, severe without psychotic symptoms
Depression	DEP2	Eu32B00	[X]Antenatal depression
Depression	DEP2	Eu32y00	[X]Other depressive episodes
Depression	DEP2	Eu32y11	[X]Atypical depression
Depression	DEP2	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP2	Eu32z00	[X]Depressive episode, unspecified
Depression	DEP2	Eu32z11	[X]Depression NOS
Depression	DEP2	Eu32z12	[X]Depressive disorder NOS
Depression	DEP2	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP2	Eu32z14	[X] Reactive depression NOS
Depression	DEP2	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP2	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP2	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP2	Eu33.13	[X]Recurrent episodes of reactive depression

Depression	DEP2	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP2	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP2	Eu33000	[X]Recurrent depressive disorder, current episode mild
Depression	DEP2	Eu33100	[X]Recurrent depressive disorder, current episode moderate
Depression	DEP2	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP2	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP2	Eu33212	[X]Major depression, recurrent without psychotic symptoms
Depression	DEP2	Eu33214	[X]Vital depression, recurrent without psychotic symptoms
Depression	DEP2	Eu33400	[X]Recurrent depressive disorder, currently in remission
Depression	DEP2	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP2	Eu33z00	[X]Recurrent depressive disorder, unspecified
Depression	DEP2	Eu33z11	[X]Monopolar depression NOS
Depression	DEP2	Eu34.00	[X]Persistent mood affective disorders
Depression	DEP2	Eu34000	[X]Cyclothymia
Depression	DEP2	Eu34012	[X]Cycloid personality
Depression	DEP2	Eu34100	[X]Dysthymia
Depression	DEP2	Eu34111	[X]Depressive neurosis
Depression	DEP2	Eu34113	[X]Neurotic depression
Depression	DEP2	Eu34114	[X]Persistant anxiety depression
Depression	DEP2	Eu34y00	[X]Other persistent mood affective disorders
Depression	DEP2	Eu34z00	[X]Persistent mood affective disorder, unspecified
Depression	DEP2	Eu3y.00	[X]Other mood affective disorders
Depression	DEP2	Eu3y000	[X]Other single mood affective disorders
Depression	DEP2	Eu3y011	[X]Mixed affective episode
Depression	DEP2	Eu3y100	[X]Other recurrent mood affective disorders
Depression	DEP2	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP2	Eu3yy00	[X]Other specified mood affective disorders
Depression	DEP2	Eu3z.00	[X]Unspecified mood affective disorder
Depression	DEP2	Eu53.00	[X]Mental and behav disorders assoc with the puerperium NEC
Depression	DEP2	Eu53000	[X]Mild mental/behav disorder assoc with the puerperium NEC
Depression	DEP2	Eu53011	[X]Postnatal depression NOS
Depression	DEP2	Eu53012	[X]Postpartum depression NOS
Depression	DEP2	Eu53100	[X]Severe mental and behav disorder assoc wth puerperium NEC
Depression	DEP2	Eu53111	[X]Puerperal psychosis NOS
Depression	DEP2	Eu53z00	[X]Puerperal mental disorder, unspecified
Depression	DEP2	Eu92000	[X]Depressive conduct disorder
Depression	DEP2	L184.00	Mental disorders in pregnancy, childbirth and the puerperium
Depression	DEP2	L184200	Mental disorder in the puerperium - baby delivered
Depression	DEP2	L184300	Mental disorder during pregnancy - baby not yet delivered
Depression	DEP2	L184400	Mental disorder in puerperium - baby previously delivered

Concept ID (Concept version ID): C1111 (3361)
 Concept name Depression - Primary care
 Phenotype ID (Phenotype version ID): PH149 (298)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP3	1465	H/O: depression
Depression	DEP3	212S.00	Depression resolved
Depression	DEP3	8BK0.00	Depression management programme
Depression	DEP3	8CAa.00	Patient given advice about management of depression
Depression	DEP3	8HHq.00	Referral for guided self-help for depression
Depression	DEP3	9H90.00	Depression annual review
Depression	DEP3	9H91.00	Depression medication review
Depression	DEP3	9H92.00	Depression interim review
Depression	DEP3	9HA0.00	On depression register
Depression	DEP3	9k4..00	Depression - enhanced services administration
Depression	DEP3	9k40.00	Depression - enhanced service completed
Depression	DEP3	9kQ..00	On full dose long term treatment depression - enh serv admin
Depression	DEP3	9Ov..00	Depression monitoring administration
Depression	DEP3	9Ov0.00	Depression monitoring first letter
Depression	DEP3	9Ov1.00	Depression monitoring second letter
Depression	DEP3	9Ov2.00	Depression monitoring third letter
Depression	DEP3	9Ov3.00	Depression monitoring verbal invite
Depression	DEP3	9Ov4.00	Depression monitoring telephone invite
Depression	DEP3	E001300	Presenile dementia with depression
Depression	DEP3	E002100	Senile dementia with depression
Depression	DEP3	E004300	Arteriosclerotic dementia with depression
Depression	DEP3	E11..12	Depressive psychoses
Depression	DEP3	E112.00	Single major depressive episode
Depression	DEP3	E112.11	Agitated depression
Depression	DEP3	E112.12	Endogenous depression first episode
Depression	DEP3	E112.13	Endogenous depression first episode
Depression	DEP3	E112.14	Endogenous depression
Depression	DEP3	E112000	Single major depressive episode, unspecified
Depression	DEP3	E112100	Single major depressive episode, mild
Depression	DEP3	E112200	Single major depressive episode, moderate
Depression	DEP3	E112300	Single major depressive episode, severe, without psychosis
Depression	DEP3	E112400	Single major depressive episode, severe, with psychosis
Depression	DEP3	E112500	Single major depressive episode, partial or unspec remission
Depression	DEP3	E112600	Single major depressive episode, in full remission
Depression	DEP3	E112z00	Single major depressive episode NOS
Depression	DEP3	E113.00	Recurrent major depressive episode
Depression	DEP3	E113.11	Endogenous depression - recurrent
Depression	DEP3	E113000	Recurrent major depressive episodes, unspecified
Depression	DEP3	E113100	Recurrent major depressive episodes, mild
Depression	DEP3	E113200	Recurrent major depressive episodes, moderate
Depression	DEP3	E113300	Recurrent major depressive episodes, severe, no psychosis
Depression	DEP3	E113400	Recurrent major depressive episodes, severe, with psychosis
Depression	DEP3	E113500	Recurrent major depressive episodes,partial/unspec remission

Depression	DEP3	E113600	Recurrent major depressive episodes, in full remission
Depression	DEP3	E113700	Recurrent depression
Depression	DEP3	E113z00	Recurrent major depressive episode NOS
Depression	DEP3	E118.00	Seasonal affective disorder
Depression	DEP3	E11y200	Atypical depressive disorder
Depression	DEP3	E11z200	Masked depression
Depression	DEP3	E130.00	Reactive depressive psychosis
Depression	DEP3	E130.11	Psychotic reactive depression
Depression	DEP3	E135.00	Agitated depression
Depression	DEP3	E200300	Anxiety with depression
Depression	DEP3	E291.00	Prolonged depressive reaction
Depression	DEP3	E2B..00	Depressive disorder NEC
Depression	DEP3	E2B1.00	Chronic depression
Depression	DEP3	Eu20400	[X]Post-schizophrenic depression
Depression	DEP3	Eu25100	[X]Schizoaffective disorder, depressive type
Depression	DEP3	Eu25111	[X]Schizoaffective psychosis, depressive type
Depression	DEP3	Eu25112	[X]Schizophreniform psychosis, depressive type
Depression	DEP3	Eu32.00	[X]Depressive episode
Depression	DEP3	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP3	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP3	Eu32.13	[X]Single episode of reactive depression
Depression	DEP3	Eu32000	[X]Mild depressive episode
Depression	DEP3	Eu32100	[X]Moderate depressive episode
Depression	DEP3	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP3	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP3	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP3	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP3	Eu32300	[X]Severe depressive episode with psychotic symptoms
Depression	DEP3	Eu32311	[X]Single episode of major depression and psychotic symptoms
Depression	DEP3	Eu32312	[X]Single episode of psychogenic depressive psychosis
Depression	DEP3	Eu32313	[X]Single episode of psychotic depression
Depression	DEP3	Eu32314	[X]Single episode of reactive depressive psychosis
Depression	DEP3	Eu32400	[X]Mild depression
Depression	DEP3	Eu32500	[X]Major depression, mild
Depression	DEP3	Eu32600	[X]Major depression, moderately severe
Depression	DEP3	Eu32700	[X]Major depression, severe without psychotic symptoms
Depression	DEP3	Eu32800	[X]Major depression, severe with psychotic symptoms
Depression	DEP3	Eu32900	[X]Single major depr ep, severe with psych, psych in remiss
Depression	DEP3	Eu32A00	[X]Recurr major depr ep, severe with psych, psych in remiss
Depression	DEP3	Eu32y00	[X]Other depressive episodes
Depression	DEP3	Eu32y11	[X]Atypical depression
Depression	DEP3	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP3	Eu32z00	[X]Depressive episode, unspecified
Depression	DEP3	Eu32z11	[X]Depression NOS
Depression	DEP3	Eu32z12	[X]Depressive disorder NOS
Depression	DEP3	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP3	Eu32z14	[X] Reactive depression NOS
Depression	DEP3	Eu33.00	[X]Recurrent depressive disorder

Depression	DEP3	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP3	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP3	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP3	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP3	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP3	Eu33000	[X]Recurrent depressive disorder, current episode mild
Depression	DEP3	Eu33100	[X]Recurrent depressive disorder, current episode moderate
Depression	DEP3	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP3	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP3	Eu33212	[X]Major depression, recurrent without psychotic symptoms
Depression	DEP3	Eu33213	[X]Manic-depress psychosis,depressd,no psychotic symptoms
Depression	DEP3	Eu33214	[X]Vital depression, recurrent without psychotic symptoms
Depression	DEP3	Eu33300	[X]Recurrent depress disorder cur epi severe with psyc symp
Depression	DEP3	Eu33311	[X]Endogenous depression with psychotic symptoms
Depression	DEP3	Eu33312	[X]Manic-depress psychosis,depressed type+psychotic symptoms
Depression	DEP3	Eu33313	[X]Recurr severe episodes/major depression+psychotic symptom
Depression	DEP3	Eu33314	[X]Recurr severe episodes/psychogenic depressive psychosis
Depression	DEP3	Eu33315	[X]Recurrent severe episodes of psychotic depression
Depression	DEP3	Eu33316	[X]Recurrent severe episodes/reactive depressive psychosis
Depression	DEP3	Eu33400	[X]Recurrent depressive disorder, currently in remission
Depression	DEP3	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP3	Eu33z00	[X]Recurrent depressive disorder, unspecified
Depression	DEP3	Eu33z11	[X]Monopolar depression NOS
Depression	DEP3	Eu34100	[X]Dysthymia
Depression	DEP3	Eu34111	[X]Depressive neurosis
Depression	DEP3	Eu34112	[X]Depressive personality disorder
Depression	DEP3	Eu34113	[X]Neurotic depression
Depression	DEP3	Eu34114	[X]Persistant anxiety depression
Depression	DEP3	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP3	Eu41211	[X]Mild anxiety depression

Concept ID (Concept version ID): C1991 (5120)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH586 (1172)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP4	2257	o/e - depressed
Depression	DEP4	1B17.00	depressed
Depression	DEP4	62T1.00	puerperal depression
Depression	DEP4	9kQ..00	on full dose long term treatment depression - enh serv admin
Depression	DEP4	E001300	presenile dementia with depression
Depression	DEP4	E002100	Senile dementia with depression
Depression	DEP4	E004300	Arteriosclerotic dementia with depression
Depression	DEP4	E11...12	depressive psychoses
Depression	DEP4	E112.00	single major depressive episode
Depression	DEP4	E112.11	agitated depression
Depression	DEP4	E112.12	endogenous depression first episode
Depression	DEP4	E112.13	endogenous depression first episode
Depression	DEP4	E112.14	endogenous depression
Depression	DEP4	E112000	single major depressive episode, unspecified
Depression	DEP4	E112100	single major depressive episode, mild
Depression	DEP4	E112200	single major depressive episode, moderate
Depression	DEP4	E112300	single major depressive episode, severe, without psychosis
Depression	DEP4	E112400	single major depressive episode, severe, with psychosis
Depression	DEP4	E112z00	single major depressive episode nos
Depression	DEP4	E113.00	recurrent major depressive episode
Depression	DEP4	E113.11	endogenous depression - recurrent
Depression	DEP4	E113000	recurrent major depressive episodes, unspecified
Depression	DEP4	E113100	recurrent major depressive episodes, mild
Depression	DEP4	E113200	recurrent major depressive episodes, moderate
Depression	DEP4	E113300	recurrent major depressive episodes, severe, no psychosis
Depression	DEP4	E113400	recurrent major depressive episodes, severe, with psychosis
Depression	DEP4	E113700	recurrent depression
Depression	DEP4	E113z00	recurrent major depressive episode nos
Depression	DEP4	E118.00	Seasonal affective disorder
Depression	DEP4	E11y200	atypical depressive disorder
Depression	DEP4	E11z200	masked depression
Depression	DEP4	E130.00	reactive depressive psychosis
Depression	DEP4	E130.11	psychotic reactive depression
Depression	DEP4	E135.00	agitated depression
Depression	DEP4	E200300	anxiety with depression
Depression	DEP4	E204.00	neurotic depression reactive type
Depression	DEP4	E204.11	Postnatal depression
Depression	DEP4	E290.00	brief depressive reaction
Depression	DEP4	E290z00	brief depressive reaction nos
Depression	DEP4	E291.00	prolonged depressive reaction
Depression	DEP4	E2B..00	depressive disorder nec
Depression	DEP4	E2B0.00	postviral depression
Depression	DEP4	E2B1.00	chronic depression

Depression	DEP4	Eu20400	[x]post-schizophrenic depression
Depression	DEP4	Eu32.00	[x]depressive episode
Depression	DEP4	Eu32.11	[x]single episode of depressive reaction
Depression	DEP4	Eu32.12	[x]single episode of psychogenic depression
Depression	DEP4	Eu32.13	[x]single episode of reactive depression
Depression	DEP4	Eu32000	[x]mild depressive episode
Depression	DEP4	Eu32100	[x]moderate depressive episode
Depression	DEP4	Eu32200	[x]severe depressive episode without psychotic symptoms
Depression	DEP4	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP4	Eu32212	[x]single episode major depression w/out psychotic symptoms
Depression	DEP4	Eu32213	[x]single episode vital depression w/out psychotic symptoms
Depression	DEP4	Eu32300	[x]severe depressive episode with psychotic symptoms
Depression	DEP4	Eu32311	[x]single episode of major depression and psychotic symptoms
Depression	DEP4	Eu32312	[x]single episode of psychogenic depressive psychosis
Depression	DEP4	Eu32313	[x]single episode of psychotic depression
Depression	DEP4	Eu32314	[x]single episode of reactive depressive psychosis
Depression	DEP4	Eu32400	[x]mild depression
Depression	DEP4	Eu32500	[x]major depression, mild
Depression	DEP4	Eu32600	[x]major depression, moderately severe
Depression	DEP4	Eu32700	[x]major depression, severe without psychotic symptoms
Depression	DEP4	Eu32800	[x]major depression, severe with psychotic symptoms
Depression	DEP4	Eu32900	[X]Single major depr ep, severe with psych, psych in remiss
Depression	DEP4	Eu32A00	[X]Recurr major depr ep, severe with psych, psych in remiss
Depression	DEP4	Eu32y00	[x]other depressive episodes
Depression	DEP4	Eu32y11	[x]atypical depression
Depression	DEP4	Eu32y12	[x]single episode of masked depression nos
Depression	DEP4	Eu32z00	[x]depressive episode, unspecified
Depression	DEP4	Eu32z11	[x]depression nos
Depression	DEP4	Eu32z12	[x]depressive disorder nos
Depression	DEP4	Eu32z13	[x]prolonged single episode of reactive depression
Depression	DEP4	Eu32z14	[x] reactive depression nos
Depression	DEP4	Eu33.00	[x]recurrent depressive disorder
Depression	DEP4	Eu33.11	[x]recurrent episodes of depressive reaction
Depression	DEP4	Eu33.12	[x]recurrent episodes of psychogenic depression
Depression	DEP4	Eu33.13	[x]recurrent episodes of reactive depression
Depression	DEP4	Eu33.14	[x]seasonal depressive disorder
Depression	DEP4	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP4	Eu33000	[x]recurrent depressive disorder, current episode mild
Depression	DEP4	Eu33100	[x]recurrent depressive disorder, current episode moderate
Depression	DEP4	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP4	Eu33211	[x]endogenous depression without psychotic symptoms
Depression	DEP4	Eu33212	[x]major depression, recurrent without psychotic symptoms
Depression	DEP4	Eu33214	[x]vital depression, recurrent without psychotic symptoms
Depression	DEP4	Eu33300	[X]Recurrent depress disorder cur epi severe with psyc symp
Depression	DEP4	Eu33311	[x]endogenous depression with psychotic symptoms
Depression	DEP4	Eu33312	[x]manic-depress psychosis,depressed type+psychotic symptoms
Depression	DEP4	Eu33313	[x]recurr severe episodes/major depression+psychotic symptom
Depression	DEP4	Eu33314	[x]recurr severe episodes/psychogenic depressive psychosis

Depression	DEP4	Eu33315	[x]recurrent severe episodes of psychotic depression
Depression	DEP4	Eu33316	[x]recurrent severe episodes/reactive depressive psychosis
Depression	DEP4	Eu33400	[x]recurrent depressive disorder, currently in remission
Depression	DEP4	Eu33y00	[x]other recurrent depressive disorders
Depression	DEP4	Eu33z00	[x]recurrent depressive disorder, unspecified
Depression	DEP4	Eu33z11	[x]monopolar depression nos
Depression	DEP4	Eu34100	[x]dysthymia
Depression	DEP4	Eu34111	[x]depressive neurosis
Depression	DEP4	Eu34113	[x]neurotic depression
Depression	DEP4	Eu34114	[x]persistant anxiety depression
Depression	DEP4	Eu3y111	[x]recurrent brief depressive episodes
Depression	DEP4	Eu41200	[x]mixed anxiety and depressive disorder
Depression	DEP4	Eu41211	[x]mild anxiety depression
Depression	DEP4	Eu53011	[X]Postnatal depression NOS
Depression	DEP4	Eu53012	[X]Postpartum depression NOS
Depression	DEP4	Eu92000	[x]depressive conduct disorder

Concept ID (Concept version ID): C1701 (4540)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH372 (744)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP5	2257	O/E - depressed
Depression	DEP5	1B17.00	Depressed
Depression	DEP5	62T1.00	Puerperal depression
Depression	DEP5	9kQ..00	On full dose long term treatment depression - enh serv admin
Depression	DEP5	E001300	Presenile dementia with depression
Depression	DEP5	E002100	Senile dementia with depression
Depression	DEP5	E004300	Arteriosclerotic dementia with depression
Depression	DEP5	E11...12	Depressive psychoses
Depression	DEP5	E112.00	Single major depressive episode
Depression	DEP5	E112.11	Agitated depression
Depression	DEP5	E112.12	Endogenous depression first episode
Depression	DEP5	E112.13	Endogenous depression first episode
Depression	DEP5	E112.14	Endogenous depression
Depression	DEP5	E112000	Single major depressive episode, unspecified
Depression	DEP5	E112100	Single major depressive episode, mild
Depression	DEP5	E112200	Single major depressive episode, moderate
Depression	DEP5	E112300	Single major depressive episode, severe, without psychosis
Depression	DEP5	E112400	Single major depressive episode, severe, with psychosis
Depression	DEP5	E112z00	Single major depressive episode NOS
Depression	DEP5	E113.00	Recurrent major depressive episode
Depression	DEP5	E113.11	Endogenous depression - recurrent
Depression	DEP5	E113000	Recurrent major depressive episodes, unspecified
Depression	DEP5	E113100	Recurrent major depressive episodes, mild
Depression	DEP5	E113200	Recurrent major depressive episodes, moderate
Depression	DEP5	E113300	Recurrent major depressive episodes, severe, no psychosis
Depression	DEP5	E113400	Recurrent major depressive episodes, severe, with psychosis
Depression	DEP5	E113700	Recurrent depression
Depression	DEP5	E113z00	Recurrent major depressive episode NOS
Depression	DEP5	E118.00	Seasonal affective disorder
Depression	DEP5	E11y200	Atypical depressive disorder
Depression	DEP5	E11z200	Masked depression
Depression	DEP5	E135.00	Agitated depression
Depression	DEP5	E200300	Anxiety with depression
Depression	DEP5	E204.00	Neurotic depression reactive type
Depression	DEP5	E204.11	Postnatal depression
Depression	DEP5	E290.00	Brief depressive reaction
Depression	DEP5	E290z00	Brief depressive reaction NOS
Depression	DEP5	E291.00	Prolonged depressive reaction
Depression	DEP5	E2B...00	Depressive disorder NEC
Depression	DEP5	E2B0.00	Postviral depression
Depression	DEP5	E2B1.00	Chronic depression
Depression	DEP5	Eu20400	[X]Post-schizophrenic depression
Depression	DEP5	Eu32.00	[X]Depressive episode

Depression	DEP5	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP5	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP5	Eu32.13	[X]Single episode of reactive depression
Depression	DEP5	Eu32000	[X]Mild depressive episode
Depression	DEP5	Eu32100	[X]Moderate depressive episode
Depression	DEP5	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP5	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP5	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP5	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP5	Eu32300	[X]Severe depressive episode with psychotic symptoms
Depression	DEP5	Eu32311	[X]Single episode of major depression and psychotic symptoms
Depression	DEP5	Eu32312	[X]Single episode of psychogenic depressive psychosis
Depression	DEP5	Eu32313	[X]Single episode of psychotic depression
Depression	DEP5	Eu32314	[X]Single episode of reactive depressive psychosis
Depression	DEP5	Eu32400	[X]Mild depression
Depression	DEP5	Eu32500	[X]Major depression, mild
Depression	DEP5	Eu32600	[X]Major depression, moderately severe
Depression	DEP5	Eu32700	[X]Major depression, severe without psychotic symptoms
Depression	DEP5	Eu32800	[X]Major depression, severe with psychotic symptoms
Depression	DEP5	Eu32900	[X]Single major depr ep, severe with psych, psych in remiss
Depression	DEP5	Eu32A00	[X]Recurr major depr ep, severe with psych, psych in remiss
Depression	DEP5	Eu32y00	[X]Other depressive episodes
Depression	DEP5	Eu32y11	[X]Atypical depression
Depression	DEP5	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP5	Eu32z00	[X]Depressive episode, unspecified
Depression	DEP5	Eu32z11	[X]Depression NOS
Depression	DEP5	Eu32z12	[X]Depressive disorder NOS
Depression	DEP5	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP5	Eu32z14	[X] Reactive depression NOS
Depression	DEP5	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP5	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP5	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP5	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP5	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP5	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP5	Eu33000	[X]Recurrent depressive disorder, current episode mild
Depression	DEP5	Eu33100	[X]Recurrent depressive disorder, current episode moderate
Depression	DEP5	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP5	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP5	Eu33212	[X]Major depression, recurrent without psychotic symptoms
Depression	DEP5	Eu33214	[X]Vital depression, recurrent without psychotic symptoms
Depression	DEP5	Eu33300	[X]Recurrent depress disorder cur epi severe with psyc symp
Depression	DEP5	Eu33311	[X]Endogenous depression with psychotic symptoms
Depression	DEP5	Eu33312	[X]Manic-depress psychosis,depressed type+psychotic symptoms
Depression	DEP5	Eu33313	[X]Recurr severe episodes/major depression+psychotic symptom
Depression	DEP5	Eu33314	[X]Recurr severe episodes/psychogenic depressive psychosis
Depression	DEP5	Eu33315	[X]Recurrent severe episodes of psychotic depression
Depression	DEP5	Eu33316	[X]Recurrent severe episodes/reactive depressive psychosis

Depression	DEP5	Eu33400	[X]Recurrent depressive disorder, currently in remission
Depression	DEP5	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP5	Eu33z00	[X]Recurrent depressive disorder, unspecified
Depression	DEP5	Eu33z11	[X]Monopolar depression NOS
Depression	DEP5	Eu34100	[X]Dysthymia
Depression	DEP5	Eu34111	[X]Depressive neurosis
Depression	DEP5	Eu34113	[X]Neurotic depression
Depression	DEP5	Eu34114	[X]Persistent anxiety depression
Depression	DEP5	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP5	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP5	Eu41211	[X]Mild anxiety depression
Depression	DEP5	Eu53011	[X]Postnatal depression NOS
Depression	DEP5	Eu53012	[X]Postpartum depression NOS
Depression	DEP5	Eu92000	[X]Depressive conduct disorder

Concept ID (Concept version ID): C2120 (5378)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH700 (1400)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP6	2257	O/E - depressed
Depression	DEP6	1B17.00	Depressed
Depression	DEP6	62T1.00	Puerperal depression
Depression	DEP6	9kQ..00	On full dose long term treatment depression - enh serv admin
Depression	DEP6	E001300	Presenile dementia with depression
Depression	DEP6	E002100	Senile dementia with depression
Depression	DEP6	E004300	Arteriosclerotic dementia with depression
Depression	DEP6	E11...12	Depressive psychoses
Depression	DEP6	E112.00	Single major depressive episode
Depression	DEP6	E112.11	Agitated depression
Depression	DEP6	E112.12	Endogenous depression first episode
Depression	DEP6	E112.13	Endogenous depression first episode
Depression	DEP6	E112.14	Endogenous depression
Depression	DEP6	E112000	Single major depressive episode, unspecified
Depression	DEP6	E112100	Single major depressive episode, mild
Depression	DEP6	E112200	Single major depressive episode, moderate
Depression	DEP6	E112300	Single major depressive episode, severe, without psychosis
Depression	DEP6	E112400	Single major depressive episode, severe, with psychosis
Depression	DEP6	E112z00	Single major depressive episode NOS
Depression	DEP6	E113.00	Recurrent major depressive episode
Depression	DEP6	E113.11	Endogenous depression - recurrent
Depression	DEP6	E113000	Recurrent major depressive episodes, unspecified
Depression	DEP6	E113100	Recurrent major depressive episodes, mild
Depression	DEP6	E113200	Recurrent major depressive episodes, moderate
Depression	DEP6	E113300	Recurrent major depressive episodes, severe, no psychosis
Depression	DEP6	E113400	Recurrent major depressive episodes, severe, with psychosis
Depression	DEP6	E113700	Recurrent depression
Depression	DEP6	E113z00	Recurrent major depressive episode NOS
Depression	DEP6	E118.00	Seasonal affective disorder
Depression	DEP6	E11y200	Atypical depressive disorder
Depression	DEP6	E11z200	Masked depression
Depression	DEP6	E135.00	Agitated depression
Depression	DEP6	E200300	Anxiety with depression
Depression	DEP6	E204.00	Neurotic depression reactive type
Depression	DEP6	E204.11	Postnatal depression
Depression	DEP6	E290.00	Brief depressive reaction
Depression	DEP6	E290z00	Brief depressive reaction NOS
Depression	DEP6	E291.00	Prolonged depressive reaction
Depression	DEP6	E2B...00	Depressive disorder NEC
Depression	DEP6	E2B0.00	Postviral depression
Depression	DEP6	E2B1.00	Chronic depression
Depression	DEP6	Eu20400	[X]Post-schizophrenic depression
Depression	DEP6	Eu32.00	[X]Depressive episode

Depression	DEP6	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP6	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP6	Eu32.13	[X]Single episode of reactive depression
Depression	DEP6	Eu32000	[X]Mild depressive episode
Depression	DEP6	Eu32100	[X]Moderate depressive episode
Depression	DEP6	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP6	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP6	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP6	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP6	Eu32300	[X]Severe depressive episode with psychotic symptoms
Depression	DEP6	Eu32311	[X]Single episode of major depression and psychotic symptoms
Depression	DEP6	Eu32312	[X]Single episode of psychogenic depressive psychosis
Depression	DEP6	Eu32313	[X]Single episode of psychotic depression
Depression	DEP6	Eu32314	[X]Single episode of reactive depressive psychosis
Depression	DEP6	Eu32400	[X]Mild depression
Depression	DEP6	Eu32500	[X]Major depression, mild
Depression	DEP6	Eu32600	[X]Major depression, moderately severe
Depression	DEP6	Eu32700	[X]Major depression, severe without psychotic symptoms
Depression	DEP6	Eu32800	[X]Major depression, severe with psychotic symptoms
Depression	DEP6	Eu32900	[X]Single major depr ep, severe with psych, psych in remiss
Depression	DEP6	Eu32A00	[X]Recurr major depr ep, severe with psych, psych in remiss
Depression	DEP6	Eu32y00	[X]Other depressive episodes
Depression	DEP6	Eu32y11	[X]Atypical depression
Depression	DEP6	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP6	Eu32z00	[X]Depressive episode, unspecified
Depression	DEP6	Eu32z11	[X]Depression NOS
Depression	DEP6	Eu32z12	[X]Depressive disorder NOS
Depression	DEP6	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP6	Eu32z14	[X] Reactive depression NOS
Depression	DEP6	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP6	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP6	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP6	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP6	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP6	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP6	Eu33000	[X]Recurrent depressive disorder, current episode mild
Depression	DEP6	Eu33100	[X]Recurrent depressive disorder, current episode moderate
Depression	DEP6	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP6	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP6	Eu33212	[X]Major depression, recurrent without psychotic symptoms
Depression	DEP6	Eu33214	[X]Vital depression, recurrent without psychotic symptoms
Depression	DEP6	Eu33300	[X]Recurrent depress disorder cur epi severe with psyc symp
Depression	DEP6	Eu33311	[X]Endogenous depression with psychotic symptoms
Depression	DEP6	Eu33312	[X]Manic-depress psychosis,depressed type+psychotic symptoms
Depression	DEP6	Eu33313	[X]Recurr severe episodes/major depression+psychotic symptom
Depression	DEP6	Eu33314	[X]Recurr severe episodes/psychogenic depressive psychosis
Depression	DEP6	Eu33315	[X]Recurrent severe episodes of psychotic depression
Depression	DEP6	Eu33316	[X]Recurrent severe episodes/reactive depressive psychosis

Depression	DEP6	Eu33400	[X]Recurrent depressive disorder, currently in remission
Depression	DEP6	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP6	Eu33z00	[X]Recurrent depressive disorder, unspecified
Depression	DEP6	Eu33z11	[X]Monopolar depression NOS
Depression	DEP6	Eu34100	[X]Dysthymia
Depression	DEP6	Eu34111	[X]Depressive neurosis
Depression	DEP6	Eu34113	[X]Neurotic depression
Depression	DEP6	Eu34114	[X]Persistent anxiety depression
Depression	DEP6	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP6	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP6	Eu41211	[X]Mild anxiety depression
Depression	DEP6	Eu53011	[X]Postnatal depression NOS
Depression	DEP6	Eu53012	[X]Postpartum depression NOS
Depression	DEP6	Eu92000	[X]Depressive conduct disorder

Concept ID (Concept version ID): C1763 (4664)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH418 (836)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP7	1465	H/O: depression
Depression	DEP7	2257	O/E - depressed
Depression	DEP7	1B17.00	Depressed
Depression	DEP7	1B17.11	C/O - feeling depressed
Depression	DEP7	1B1U.00	Symptoms of depression
Depression	DEP7	1B1U.11	Depressive symptoms
Depression	DEP7	1BT..00	Depressed mood
Depression	DEP7	212S.00	Depression resolved
Depression	DEP7	62T1.00	Puerperal depression
Depression	DEP7	8CAa.00	Patient given advice about management of depression
Depression	DEP7	8HHq.00	Referral for guided self-help for depression
Depression	DEP7	9H90.00	Depression annual review
Depression	DEP7	9H91.00	Depression medication review
Depression	DEP7	9H92.00	Depression interim review
Depression	DEP7	9HA0.00	On depression register
Depression	DEP7	9HA1.00	Removed from depression register
Depression	DEP7	E001300	Presenile dementia with depression
Depression	DEP7	E002100	Senile dementia with depression
Depression	DEP7	E004300	Arteriosclerotic dementia with depression
Depression	DEP7	E112.00	Single major depressive episode
Depression	DEP7	E112.11	Agitated depression
Depression	DEP7	E112.12	Endogenous depression first episode
Depression	DEP7	E112.13	Endogenous depression first episode
Depression	DEP7	E112.14	Endogenous depression
Depression	DEP7	E112000	Single major depressive episode; unspecified
Depression	DEP7	E112100	Single major depressive episode; mild
Depression	DEP7	E112200	Single major depressive episode; moderate
Depression	DEP7	E112300	Single major depressive episode; severe; without psychosis
Depression	DEP7	E112500	Single major depressive episode; partial or unspec remission
Depression	DEP7	E112600	Single major depressive episode; in full remission
Depression	DEP7	E112z00	Single major depressive episode NOS
Depression	DEP7	E113.00	Recurrent major depressive episode
Depression	DEP7	E113.11	Endogenous depression - recurrent
Depression	DEP7	E113000	Recurrent major depressive episodes; unspecified
Depression	DEP7	E113100	Recurrent major depressive episodes; mild
Depression	DEP7	E113200	Recurrent major depressive episodes; moderate
Depression	DEP7	E113300	Recurrent major depressive episodes; severe; no psychosis
Depression	DEP7	E113500	Recurrent major depressive episodes;partial/unspec remission
Depression	DEP7	E113600	Recurrent major depressive episodes; in full remission
Depression	DEP7	E113700	Recurrent depression
Depression	DEP7	E113z00	Recurrent major depressive episode NOS
Depression	DEP7	E118.00	Seasonal affective disorder
Depression	DEP7	E11y200	Atypical depressive disorder

Depression	DEP7	E11z200	Masked depression
Depression	DEP7	E135.00	Agitated depression
Depression	DEP7	E200300	Anxiety with depression
Depression	DEP7	E204.00	Neurotic depression reactive type
Depression	DEP7	E204.11	Postnatal depression
Depression	DEP7	E211200	Depressive personality disorder
Depression	DEP7	E290.00	Brief depressive reaction
Depression	DEP7	E290z00	Brief depressive reaction NOS
Depression	DEP7	E291.00	Prolonged depressive reaction
Depression	DEP7	E2B..00	Depressive disorder NEC
Depression	DEP7	E2B0.00	Postviral depression
Depression	DEP7	E2B1.00	Chronic depression
Depression	DEP7	Eu32.00	[X]Depressive episode
Depression	DEP7	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP7	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP7	Eu32.13	[X]Single episode of reactive depression
Depression	DEP7	Eu32000	[X]Mild depressive episode
Depression	DEP7	Eu32100	[X]Moderate depressive episode
Depression	DEP7	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP7	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP7	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP7	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP7	Eu32400	[X]Mild depression
Depression	DEP7	Eu32y00	[X]Other depressive episodes
Depression	DEP7	Eu32y11	[X]Atypical depression
Depression	DEP7	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP7	Eu32z00	[X]Depressive episode; unspecified
Depression	DEP7	Eu32z11	[X]Depression NOS
Depression	DEP7	Eu32z12	[X]Depressive disorder NOS
Depression	DEP7	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP7	Eu32z14	[X] Reactive depression NOS
Depression	DEP7	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP7	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP7	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP7	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP7	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP7	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP7	Eu33000	[X]Recurrent depressive disorder; current episode mild
Depression	DEP7	Eu33100	[X]Recurrent depressive disorder; current episode moderate
Depression	DEP7	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP7	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP7	Eu33212	[X]Major depression; recurrent without psychotic symptoms
Depression	DEP7	Eu33214	[X]Vital depression; recurrent without psychotic symptoms
Depression	DEP7	Eu33400	[X]Recurrent depressive disorder; currently in remission
Depression	DEP7	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP7	Eu33z00	[X]Recurrent depressive disorder; unspecified
Depression	DEP7	Eu33z11	[X]Monopolar depression NOS
Depression	DEP7	Eu34100	[X]Dysthymia

Depression	DEP7	Eu34111	[X]Depressive neurosis
Depression	DEP7	Eu34113	[X]Neurotic depression
Depression	DEP7	Eu34114	[X]Persistant anxiety depression
Depression	DEP7	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP7	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP7	Eu41211	[X]Mild anxiety depression
Depression	DEP7	Eu53011	[X]Postnatal depression NOS
Depression	DEP7	Eu53012	[X]Postpartum depression NOS
Depression	DEP7	Eu92000	[X]Depressive conduct disorder

Concept ID (Concept version ID): C1893 (4924)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH517 (1034)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP8	1465	H/O: depression
Depression	DEP8	2257	O/E - depressed
Depression	DEP8	1B17.00	Depressed
Depression	DEP8	1B17.11	C/O - feeling depressed
Depression	DEP8	1B1U.00	Symptoms of depression
Depression	DEP8	1B1U.11	Depressive symptoms
Depression	DEP8	1BT..00	Depressed mood
Depression	DEP8	212S.00	Depression resolved
Depression	DEP8	62T1.00	Puerperal depression
Depression	DEP8	8CAa.00	Patient given advice about management of depression
Depression	DEP8	8HHq.00	Referral for guided self-help for depression
Depression	DEP8	9H90.00	Depression annual review
Depression	DEP8	9H91.00	Depression medication review
Depression	DEP8	9H92.00	Depression interim review
Depression	DEP8	9HA0.00	On depression register
Depression	DEP8	9HA1.00	Removed from depression register
Depression	DEP8	E001300	Presenile dementia with depression
Depression	DEP8	E002100	Senile dementia with depression
Depression	DEP8	E004300	Arteriosclerotic dementia with depression
Depression	DEP8	E112.00	Single major depressive episode
Depression	DEP8	E112.11	Agitated depression
Depression	DEP8	E112.12	Endogenous depression first episode
Depression	DEP8	E112.13	Endogenous depression first episode
Depression	DEP8	E112.14	Endogenous depression
Depression	DEP8	E112000	Single major depressive episode, unspecified
Depression	DEP8	E112100	Single major depressive episode, mild
Depression	DEP8	E112200	Single major depressive episode, moderate
Depression	DEP8	E112300	Single major depressive episode, severe, without psychosis
Depression	DEP8	E112500	Single major depressive episode, partial or unspec remission
Depression	DEP8	E112600	Single major depressive episode, in full remission
Depression	DEP8	E112z00	Single major depressive episode NOS
Depression	DEP8	E113.00	Recurrent major depressive episode
Depression	DEP8	E113.11	Endogenous depression - recurrent
Depression	DEP8	E113000	Recurrent major depressive episodes, unspecified
Depression	DEP8	E113100	Recurrent major depressive episodes, mild
Depression	DEP8	E113200	Recurrent major depressive episodes, moderate
Depression	DEP8	E113300	Recurrent major depressive episodes, severe, no psychosis
Depression	DEP8	E113500	Recurrent major depressive episodes,partial/unspec remission
Depression	DEP8	E113600	Recurrent major depressive episodes, in full remission
Depression	DEP8	E113700	Recurrent depression
Depression	DEP8	E113z00	Recurrent major depressive episode NOS
Depression	DEP8	E118.00	Seasonal affective disorder
Depression	DEP8	E11y200	Atypical depressive disorder

Depression	DEP8	E11z200	Masked depression
Depression	DEP8	E135.00	Agitated depression
Depression	DEP8	E200300	Anxiety with depression
Depression	DEP8	E204.00	Neurotic depression reactive type
Depression	DEP8	E204.11	Postnatal depression
Depression	DEP8	E211200	Depressive personality disorder
Depression	DEP8	E290.00	Brief depressive reaction
Depression	DEP8	E290z00	Brief depressive reaction NOS
Depression	DEP8	E291.00	Prolonged depressive reaction
Depression	DEP8	E2B..00	Depressive disorder NEC
Depression	DEP8	E2B0.00	Postviral depression
Depression	DEP8	E2B1.00	Chronic depression
Depression	DEP8	Eu32.00	[X]Depressive episode
Depression	DEP8	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP8	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP8	Eu32.13	[X]Single episode of reactive depression
Depression	DEP8	Eu32000	[X]Mild depressive episode
Depression	DEP8	Eu32100	[X]Moderate depressive episode
Depression	DEP8	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP8	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP8	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP8	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP8	Eu32400	[X]Mild depression
Depression	DEP8	Eu32y00	[X]Other depressive episodes
Depression	DEP8	Eu32y11	[X]Atypical depression
Depression	DEP8	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP8	Eu32z00	[X]Depressive episode, unspecified
Depression	DEP8	Eu32z11	[X]Depression NOS
Depression	DEP8	Eu32z12	[X]Depressive disorder NOS
Depression	DEP8	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP8	Eu32z14	[X] Reactive depression NOS
Depression	DEP8	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP8	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP8	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP8	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP8	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP8	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP8	Eu33000	[X]Recurrent depressive disorder, current episode mild
Depression	DEP8	Eu33100	[X]Recurrent depressive disorder, current episode moderate
Depression	DEP8	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP8	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP8	Eu33212	[X]Major depression, recurrent without psychotic symptoms
Depression	DEP8	Eu33214	[X]Vital depression, recurrent without psychotic symptoms
Depression	DEP8	Eu33400	[X]Recurrent depressive disorder, currently in remission
Depression	DEP8	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP8	Eu33z00	[X]Recurrent depressive disorder, unspecified
Depression	DEP8	Eu33z11	[X]Monopolar depression NOS
Depression	DEP8	Eu34100	[X]Dysthymia

Depression	DEP8	Eu34111	[X]Depressive neurosis
Depression	DEP8	Eu34113	[X]Neurotic depression
Depression	DEP8	Eu34114	[X]Persistent anxiety depression
Depression	DEP8	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP8	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP8	Eu41211	[X]Mild anxiety depression
Depression	DEP8	Eu53011	[X]Postnatal depression NOS
Depression	DEP8	Eu53012	[X]Postpartum depression NOS
Depression	DEP8	Eu92000	[X]Depressive conduct disorder

Concept ID (Concept version ID): C1892 (4922)
 Concept name Depression - Primary Care
 Phenotype ID (Phenotype version ID): PH516 (1032)
 Phenotype name: Depression

condition	ref	Read code	description
Depression	DEP9	2257	O/E - depressed
Depression	DEP9	1B17.00	Depressed
Depression	DEP9	212S.00	Depression resolved
Depression	DEP9	62T1.00	Puerperal depression
Depression	DEP9	9HA1.00	Removed from depression register
Depression	DEP9	E001300	Presenile dementia with depression
Depression	DEP9	E002100	Senile dementia with depression
Depression	DEP9	E004300	Arteriosclerotic dementia with depression
Depression	DEP9	E112.00	Single major depressive episode
Depression	DEP9	E112.11	Agitated depression
Depression	DEP9	E112.12	Endogenous depression first episode
Depression	DEP9	E112.13	Endogenous depression first episode
Depression	DEP9	E112.14	Endogenous depression
Depression	DEP9	E112000	Single major depressive episode; unspecified
Depression	DEP9	E112100	Single major depressive episode; mild
Depression	DEP9	E112200	Single major depressive episode; moderate
Depression	DEP9	E112300	Single major depressive episode; severe; without psychosis
Depression	DEP9	E112500	Single major depressive episode; partial or unspec remission
Depression	DEP9	E112600	Single major depressive episode; in full remission
Depression	DEP9	E112z00	Single major depressive episode NOS
Depression	DEP9	E113.00	Recurrent major depressive episode
Depression	DEP9	E113.11	Endogenous depression - recurrent
Depression	DEP9	E113000	Recurrent major depressive episodes; unspecified
Depression	DEP9	E113100	Recurrent major depressive episodes; mild
Depression	DEP9	E113200	Recurrent major depressive episodes; moderate
Depression	DEP9	E113300	Recurrent major depressive episodes; severe; no psychosis
Depression	DEP9	E113500	Recurrent major depressive episodes;partial/unspec remission
Depression	DEP9	E113600	Recurrent major depressive episodes; in full remission
Depression	DEP9	E113700	Recurrent depression
Depression	DEP9	E113z00	Recurrent major depressive episode NOS
Depression	DEP9	E118.00	Seasonal affective disorder
Depression	DEP9	E11y200	Atypical depressive disorder
Depression	DEP9	E11z200	Masked depression
Depression	DEP9	E135.00	Agitated depression
Depression	DEP9	E200300	Anxiety with depression
Depression	DEP9	E204.00	Neurotic depression reactive type
Depression	DEP9	E204.11	Postnatal depression
Depression	DEP9	E290.00	Brief depressive reaction
Depression	DEP9	E290z00	Brief depressive reaction NOS
Depression	DEP9	E291.00	Prolonged depressive reaction
Depression	DEP9	E2B..00	Depressive disorder NEC
Depression	DEP9	E2B0.00	Postviral depression
Depression	DEP9	E2B1.00	Chronic depression

Depression	DEP9	Eu32.00	[X]Depressive episode
Depression	DEP9	Eu32.11	[X]Single episode of depressive reaction
Depression	DEP9	Eu32.12	[X]Single episode of psychogenic depression
Depression	DEP9	Eu32.13	[X]Single episode of reactive depression
Depression	DEP9	Eu32000	[X]Mild depressive episode
Depression	DEP9	Eu32100	[X]Moderate depressive episode
Depression	DEP9	Eu32200	[X]Severe depressive episode without psychotic symptoms
Depression	DEP9	Eu32211	[X]Single episode agitated depressn w/out psychotic symptoms
Depression	DEP9	Eu32212	[X]Single episode major depression w/out psychotic symptoms
Depression	DEP9	Eu32213	[X]Single episode vital depression w/out psychotic symptoms
Depression	DEP9	Eu32400	[X]Mild depression
Depression	DEP9	Eu32y00	[X]Other depressive episodes
Depression	DEP9	Eu32y11	[X]Atypical depression
Depression	DEP9	Eu32y12	[X]Single episode of masked depression NOS
Depression	DEP9	Eu32z00	[X]Depressive episode; unspecified
Depression	DEP9	Eu32z11	[X]Depression NOS
Depression	DEP9	Eu32z12	[X]Depressive disorder NOS
Depression	DEP9	Eu32z13	[X]Prolonged single episode of reactive depression
Depression	DEP9	Eu32z14	[X] Reactive depression NOS
Depression	DEP9	Eu33.00	[X]Recurrent depressive disorder
Depression	DEP9	Eu33.11	[X]Recurrent episodes of depressive reaction
Depression	DEP9	Eu33.12	[X]Recurrent episodes of psychogenic depression
Depression	DEP9	Eu33.13	[X]Recurrent episodes of reactive depression
Depression	DEP9	Eu33.14	[X]Seasonal depressive disorder
Depression	DEP9	Eu33.15	[X]SAD - Seasonal affective disorder
Depression	DEP9	Eu33000	[X]Recurrent depressive disorder; current episode mild
Depression	DEP9	Eu33100	[X]Recurrent depressive disorder; current episode moderate
Depression	DEP9	Eu33200	[X]Recurr depress disorder cur epi severe without psyc sympt
Depression	DEP9	Eu33211	[X]Endogenous depression without psychotic symptoms
Depression	DEP9	Eu33212	[X]Major depression; recurrent without psychotic symptoms
Depression	DEP9	Eu33214	[X]Vital depression; recurrent without psychotic symptoms
Depression	DEP9	Eu33400	[X]Recurrent depressive disorder; currently in remission
Depression	DEP9	Eu33y00	[X]Other recurrent depressive disorders
Depression	DEP9	Eu33z00	[X]Recurrent depressive disorder; unspecified
Depression	DEP9	Eu33z11	[X]Monopolar depression NOS
Depression	DEP9	Eu34100	[X]Dysthymia
Depression	DEP9	Eu34111	[X]Depressive neurosis
Depression	DEP9	Eu34113	[X]Neurotic depression
Depression	DEP9	Eu34114	[X]Persistant anxiety depression
Depression	DEP9	Eu3y111	[X]Recurrent brief depressive episodes
Depression	DEP9	Eu41200	[X]Mixed anxiety and depressive disorder
Depression	DEP9	Eu41211	[X]Mild anxiety depression
Depression	DEP9	Eu53011	[X]Postnatal depression NOS
Depression	DEP9	Eu53012	[X]Postpartum depression NOS
Depression	DEP9	Eu92000	[X]Depressive conduct disorder

Table S5c: Depression Read codes present in codelists (187 distinct Read codes)

Code	Description	Present in the codelist									Total codelists present in
		DEP1	DEP2	DEP3	DEP4	DEP5	DEP6	DEP7	DEP8	DEP9	
E112.00	single major depressive episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112.11	agitated depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112.12	endogenous depression first episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112.13	endogenous depression first episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112.14	endogenous depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112000	single major depressive episode, unspecified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112100	single major depressive episode, mild	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112200	single major depressive episode, moderate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112300	single major depressive episode; severe; without psychosis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E112z00	single major depressive episode nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113.00	recurrent major depressive episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113.11	endogenous depression - recurrent	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113000	recurrent major depressive episodes; unspecified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113100	recurrent major depressive episodes, mild	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113200	recurrent major depressive episodes, moderate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113300	recurrent major depressive episodes, severe, no psychosis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113700	recurrent depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E113z00	recurrent major depressive episode nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E118.00	seasonal affective disorder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E11y200	atypical depressive disorder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E11z200	masked depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E135.00	agitated depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E2B..00	depressive disorder nec	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
E2B1.00	chronic depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32.00	[x]depressive episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32.11	[x]single episode of depressive reaction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32.12	[x]single episode of psychogenic depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32.13	[x]single episode of reactive depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32000	[x]mild depressive episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32100	[x]moderate depressive episode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32200	[x]severe depressive episode without psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32211	[x]single episode agitated depressn w/out psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32212	[x]single episode major depression w/out psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32213	[x]single episode vital depression w/out psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32400	[x]mild depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32y00	[x]other depressive episodes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32y11	[x]atypical depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9

Eu32y12	[x]single episode of masked depression nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32z00	[x]depressive episode, unspecified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32z11	[x]depression nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32z12	[x]depressive disorder nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32z13	[x]prolonged single episode of reactive depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu32z14	[x] reactive depression nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33.00	[x]recurrent depressive disorder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33.11	[x]recurrent episodes of depressive reaction	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33.12	[x]recurrent episodes of psychogenic depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33.13	[x]recurrent episodes of reactive depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33.14	[x]seasonal depressive disorder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33000	[x]recurrent depressive disorder, current episode mild	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33100	[x]recurrent depressive disorder, current episode moderate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33200	[x]recurr depress disorder cur epi severe without psyc sympt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33211	[x]endogenous depression without psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33212	[x]major depression; recurrent without psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33214	[x]vital depression, recurrent without psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33400	[x]recurrent depressive disorder; currently in remission	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33y00	[x]other recurrent depressive disorders	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33z00	[x]recurrent depressive disorder, unspecified	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu33z11	[x]monopolar depression nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu34111	[x]depressive neurosis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu34113	[x]neurotic depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
Eu34114	[x]persistant anxiety depression	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9
1B17.00	depressed	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
2257	o/e - depressed	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
62T1.00	puerperal depression	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
E200300	anxiety with depression	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
E204.00	neurotic depression reactive type	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
E204.11	postnatal depression	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
E290z00	brief depressive reaction nos	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
E291.00	prolonged depressive reaction	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu33.15	[x]sad - seasonal affective disorder	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu34100	[x]dysthymia	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu3y111	[x]recurrent brief depressive episodes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu41200	[x]mixed anxiety and depressive disorder	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu41211	[x]mild anxiety depression	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu53011	[x]postnatal depression nos	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
Eu53012	[x]postpartum depression nos	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	8
E001300	presenile dementia with depression	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7
E002100	senile dementia with depression	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7
E004300	arteriosclerotic dementia with depression	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	7

E290.00	brief depressive reaction	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
E2B0.00	postviral depression	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
Eu92000	[x]depressive conduct disorder	No	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
212S.00	depression resolved	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6
9kQ..00	on full dose long term treatment depression - enh serv admin	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	6
E11..12	depressive psychoses	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	6
E112500	single major depressive episode; partial or unspec remission	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6
E112600	single major depressive episode; in full remission	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6
E113500	recurrent major depressive episodes;partial/unspec remission	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6
E113600	recurrent major depressive episodes; in full remission	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	6
Eu32500	[x]major depression; mild	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	6
Eu32600	[x]major depression, moderately severe	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	6
Eu32700	[x]major depression, severe without psychotic symptoms	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	6
8HHq.00	referral for guided self-help for depression	Yes	Yes	Yes	No	No	No	Yes	Yes	No	5
9H90.00	depression annual review	Yes	Yes	Yes	No	No	No	Yes	Yes	No	5
9H91.00	depression medication review	Yes	Yes	Yes	No	No	No	Yes	Yes	No	5
9H92.00	depression interim review	Yes	Yes	Yes	No	No	No	Yes	Yes	No	5
9HA0.00	on depression register	Yes	Yes	Yes	No	No	No	Yes	Yes	No	5
E112400	single major depressive episode; severe; with psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
E113400	recurrent major depressive episodes, severe, with psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu20400	[x]post-schizophrenic depression	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32300	[x]severe depressive episode with psychotic symptoms	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32311	[x]single episode of major depression and psychotic symptoms	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32312	[x]single episode of psychogenic depressive psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32313	[x]single episode of psychotic depression	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32314	[x]single episode of reactive depressive psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32800	[x]major depression, severe with psychotic symptoms	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32900	[x]single major depr ep, severe with psych, psych in remiss	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu32A00	[x]recurr major depr ep, severe with psych, psych in remiss	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33300	[x]recurrent depress disorder cur epi severe with psyc symp	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33311	[x]endogenous depression with psychotic symptoms	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33313	[x]recurr severe episodes/major depression+psychotic symptom	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33314	[x]recurr severe episodes/psychogenic depressive psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33315	[x]recurrent severe episodes of psychotic depression	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
Eu33316	[x]recurrent severe episodes/reactive depressive psychosis	Yes	No	Yes	Yes	Yes	Yes	No	No	No	5
1465	h/o: depression	No	Yes	Yes	No	No	No	Yes	Yes	No	4
8CAa.00	patient given advice about management of depression	Yes	No	Yes	No	No	No	Yes	Yes	No	4
9HA1.00	removed from depression register	No	Yes	No	No	No	No	Yes	Yes	Yes	4
Eu33312	[x]manic-depress psychosis,depressed type+psychotic symptoms	No	No	Yes	Yes	Yes	Yes	No	No	No	4
1B17.11	c/o - feeling depressed	No	Yes	No	No	No	No	Yes	Yes	No	3
1B1U.00	symptoms of depression	No	Yes	No	No	No	No	Yes	Yes	No	3
1B1U.11	depressive symptoms	No	Yes	No	No	No	No	Yes	Yes	No	3

1BT..00	depressed mood	No	Yes	No	No	No	No	Yes	Yes	No	3
8BK0.00	depression management programme	Yes	Yes	Yes	No	No	No	No	No	No	3
E130.00	reactive depressive psychosis	Yes	No	Yes	Yes	No	No	No	No	No	3
E130.11	psychotic reactive depression	Yes	No	Yes	Yes	No	No	No	No	No	3
E211200	depressive personality disorder	No	Yes	No	No	No	No	Yes	Yes	No	3
9Ov..00	depression monitoring administration	Yes	No	Yes	No	No	No	No	No	No	2
9Ov0.00	depression monitoring first letter	Yes	No	Yes	No	No	No	No	No	No	2
9Ov1.00	depression monitoring second letter	Yes	No	Yes	No	No	No	No	No	No	2
9Ov2.00	depression monitoring third letter	Yes	No	Yes	No	No	No	No	No	No	2
9Ov3.00	depression monitoring verbal invite	Yes	No	Yes	No	No	No	No	No	No	2
9Ov4.00	depression monitoring telephone invite	Yes	No	Yes	No	No	No	No	No	No	2
9k4..00	depression - enhanced services administration	Yes	No	Yes	No	No	No	No	No	No	2
9k40.00	depression - enhanced service completed	Yes	No	Yes	No	No	No	No	No	No	2
Eu3..00	[x]mood - affective disorders	Yes	Yes	No	No	No	No	No	No	No	2
Eu32B00	[x]antenatal depression	Yes	Yes	No	No	No	No	No	No	No	2
1B17.12	c/o - feeling unhappy	No	Yes	No	No	No	No	No	No	No	1
1B11111	c/o weepiness	No	Yes	No	No	No	No	No	No	No	1
1BO..00	mood swings	No	Yes	No	No	No	No	No	No	No	1
1BQ..00	loss of capacity for enjoyment	No	Yes	No	No	No	No	No	No	No	1
1BT..11	low mood	No	Yes	No	No	No	No	No	No	No	1
1BU..00	loss of hope for the future	No	Yes	No	No	No	No	No	No	No	1
1JJ..00	suspected depression	No	Yes	No	No	No	No	No	No	No	1
6659000	antidepressant drug treatment started	Yes	No	No	No	No	No	No	No	No	1
6G00.00	postnatal depression counselling	Yes	No	No	No	No	No	No	No	No	1
8HHq000	referral for depression self-help video	Yes	No	No	No	No	No	No	No	No	1
8IH5200	referral for guided self-help for depression declined	Yes	No	No	No	No	No	No	No	No	1
9hC..00	exception reporting: depression quality indicators	Yes	No	No	No	No	No	No	No	No	1
9hC0.00	excepted from depression quality indicators: patient unsuita	Yes	No	No	No	No	No	No	No	No	1
9hC1.00	excepted from depression quality indicators: informed dissen	Yes	No	No	No	No	No	No	No	No	1
9kQ..11	on full dose long term treatment for depression	Yes	No	No	No	No	No	No	No	No	1
E03y300	unspecified puerperal psychosis	No	Yes	No	No	No	No	No	No	No	1
E11z100	rebound mood swings	No	Yes	No	No	No	No	No	No	No	1
E204.99	reactive (neurotic) depression	Yes	No	No	No	No	No	No	No	No	1
E2B..98	depression	Yes	No	No	No	No	No	No	No	No	1
E2B..99	depression nos	Yes	No	No	No	No	No	No	No	No	1
Eu05300	[x]organic mood [affective] disorders	Yes	No	No	No	No	No	No	No	No	1
Eu15500	[x]mental/behav dis oth stims inc caffeine: psychotic dis	No	Yes	No	No	No	No	No	No	No	1
Eu25100	[x]schizoaffective disorder, depressive type	No	No	Yes	No	No	No	No	No	No	1
Eu25111	[x]schizoaffective psychosis, depressive type	No	No	Yes	No	No	No	No	No	No	1
Eu25112	[x]schizophreniform psychosis, depressive type	No	No	Yes	No	No	No	No	No	No	1
Eu32099	mild depression	Yes	No	No	No	No	No	No	No	No	1
Eu32199	moderate depression	Yes	No	No	No	No	No	No	No	No	1

Eu32299	severe depression	Yes	No	No	No	No	No	No	No	No	1
Eu33213	[x]manic-depress psychosis,depressd,no psychotic symptoms	No	No	Yes	No	No	No	No	No	No	1
Eu34.00	[x]persistent mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu34000	[x]cyclothymia	No	Yes	No	No	No	No	No	No	No	1
Eu34012	[x]cycloid personality	No	Yes	No	No	No	No	No	No	No	1
Eu34112	[x]depressive personality disorder	No	No	Yes	No	No	No	No	No	No	1
Eu34y00	[x]other persistent mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu34z00	[x]persistent mood affective disorder, unspecified	No	Yes	No	No	No	No	No	No	No	1
Eu3y.00	[x]other mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu3y000	[x]other single mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu3y011	[x]mixed affective episode	No	Yes	No	No	No	No	No	No	No	1
Eu3y100	[x]other recurrent mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu3yy00	[x]other specified mood affective disorders	No	Yes	No	No	No	No	No	No	No	1
Eu3z.00	[x]unspecified mood affective disorder	No	Yes	No	No	No	No	No	No	No	1
Eu53.00	[x]mental and behav disorders assoc with the puerperium nec	No	Yes	No	No	No	No	No	No	No	1
Eu53000	[x]mild mental/behav disorder assoc with the puerperium nec	No	Yes	No	No	No	No	No	No	No	1
Eu53100	[x]severe mental and behav disorder assoc wth puerperium nec	No	Yes	No	No	No	No	No	No	No	1
Eu53111	[x]puerperal psychosis nos	No	Yes	No	No	No	No	No	No	No	1
Eu53z00	[x]puerperal mental disorder, unspecified	No	Yes	No	No	No	No	No	No	No	1
L184.00	mental disorders in pregnancy, childbirth and the puerperium	No	Yes	No	No	No	No	No	No	No	1
L184200	mental disorder in the puerperium - baby delivered	No	Yes	No	No	No	No	No	No	No	1
L184300	mental disorder during pregnancy - baby not yet delivered	No	Yes	No	No	No	No	No	No	No	1
L184400	mental disorder in puerperium - baby previously delivered	No	Yes	No	No	No	No	No	No	No	1
R007z13	[d]postoperative depression	Yes	No	No	No	No	No	No	No	No	1

Table S6a: Hypertension codelists summary

Codelist	N Read codes	Link	Reference
HT1	130	https://phenotypes.healthdatagateway.org/phenotypes/PH575/version/1150/detail/	Kethryn E Mansfield, Dorothea Nitsch, Liam Smeeth, Krishnan Bhaskaram, Laurie A Tomlinson. PH575 / 1150 - Hypertension. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH575/version/1150/detail/ . [Accessed 20 January 2025]
HT2	88	https://phenotypes.healthdatagateway.org/phenotypes/PH189/version/378/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH189 / 378 - Hypertension. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH189/version/378/detail/ . [Accessed 20 January 2025]
HT3	84	https://phenotypes.healthdatagateway.org/phenotypes/PH1029/detail/	Julie George, Emily Herrett, Liam Smeeth, Harry Hemingway, Anoop Shah, Spiros Denaxas. PH1029 / 2267 - Hypertension. Phenotype Library [Online]. 23 August 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH1029/version/2267/detail/ . [Accessed 20 January 2025]
HT4	81	https://phenotypes.healthdatagateway.org/phenotypes/PH970/version/2148/detail/	Rochelle Knight, Venexia Walker, Samantha Ip, Jennifer A Cooper, Thomas Bolton, Spencer Keene, Rachel Denholm, Ashley Akbari, Hoda Abbasizanjani, Fatemeh Torabi, Efosa Omigie, Sam Hollings, Teri-Louise North, Renin Toms, Emanuele Di Angelantonio, Spiros Denaxas, Johan H Thygesen, Christopher Tomlinson, Ben Bray, Craig J Smith, Mark Barber, George Davey Smith, Nishi Chaturvedi, Cathie Sudlow, William N Whiteley, Angela Wood, Jonathan A C Sterne. PH970 / 2148 - CCU002_01 Hypertension. Phenotype Library [Online]. 17 May 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH970/version/2148/detail/ . [Accessed 20 January 2025]
HT5	69	https://phenotypes.healthdatagateway.org/phenotypes/PH534/version/1068/detail/	Evangelos Kontopantelis, David A Springate, David Reeves, Darren M. Ashcroft, Martin Rutter, Iain Buchan, Tim Doran, Matthias Pierce, Darren M. Ashcroft. PH534 / 1068 - Hypertension. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH534/version/1068/detail/ . [Accessed 20 January 2025]
HT6	67	https://phenotypes.healthdatagateway.org/phenotypes/PH632/detail/	Siobhan Reilly, Ivan Olier, Claire Planner, Tim Doran, David Reeves, Darren M Ashcroft, Linda Gask, Evangelos Kontopantelis. PH632 / 1264 - Hypertension. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH632/version/1264/detail/ . [Accessed 20 January 2025]
HT7	63	https://phenotypes.healthdatagateway.org/phenotypes/PH1082/version/2367/detail/	David Metcalfe, James Masters, Antonella Delmestri, Andrew Judge, Daniel Perry, Cheryl Zogg, Belinda Gabbe, Matthew Costa. PH1082 / 2367 - Hypertension (uncomplicated) - Elixhauser primary care. Phenotype Library [Online]. 13 February 2023. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH1082/version/2367/detail/ . [Accessed 20 January 2025]
HT8	24	https://phenotypes.healthdatagateway.org/phenotypes/PH619/version/1238/detail/	David Reeves, David A Springate, Darren M Ashcroft, Ronan Ryan, Tim Doran, Richard Morris, Ivan Olier, Evangelos Kontopantelis. PH619 / 1238 - Hypertension. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH619/version/1238/detail/ . [Accessed 20 January 2025]

Table S6b: Hypertension codelists summary

Concept ID (Concept version ID): C1978 (5094)
 Concept name Hypertension - Primary Care
 Phenotype ID (Phenotype version ID): PH575 (1150)
 Phenotype name: Hypertension

condition	ref	Read code	description
Hypertension	HT1	6624.00	borderline hyperten:yearly obs
Hypertension	HT1	6627.00	good hypertension control
Hypertension	HT1	6628.00	poor hypertension control
Hypertension	HT1	6629.00	hypertension:follow-up default
Hypertension	HT1	2126100	hypertension resolved
Hypertension	HT1	14A2.00	h/o: hypertension
Hypertension	HT1	1JD..00	suspected hypertension
Hypertension	HT1	212K.00	hypertension resolved
Hypertension	HT1	246M.00	white coat hypertension
Hypertension	HT1	662..12	hypertension monitoring
Hypertension	HT1	662b.00	moderate hypertension control
Hypertension	HT1	662c.00	hypertension six month review
Hypertension	HT1	662d.00	hypertension annual review
Hypertension	HT1	662F.00	hypertension treatm. started
Hypertension	HT1	662G.00	hypertensive treatm.changed
Hypertension	HT1	662H.00	hypertension treatm.stopped
Hypertension	HT1	662O.00	on treatment for hypertension
Hypertension	HT1	662P.00	hypertension monitoring
Hypertension	HT1	662P000	hypertension 9 month review
Hypertension	HT1	662q.00	trial reduction of antihypertensive therapy
Hypertension	HT1	662r.00	trial withdrawal of antihypertensive therapy
Hypertension	HT1	67H8.00	lifestyle advice regarding hypertension
Hypertension	HT1	7Q01.00	high cost hypertension drugs
Hypertension	HT1	7Q01y00	other specified high cost hypertension drugs
Hypertension	HT1	8B26.00	antihypertensive therapy
Hypertension	HT1	8BL0.00	patient on maximal tolerated antihypertensive therapy
Hypertension	HT1	8CR4.00	hypertension clinical management plan
Hypertension	HT1	8HT5.00	referral to hypertension clinic
Hypertension	HT1	8I3N.00	hypertension treatment refused
Hypertension	HT1	9h3..00	exception reporting: hypertension quality indicators
Hypertension	HT1	9h31.00	excepted from hypertension qual indicators: patient unsuit
Hypertension	HT1	9h32.00	excepted from hypertension qual indicators: informed dissent
Hypertension	HT1	9N03.00	seen in hypertension clinic
Hypertension	HT1	9N1y200	seen in hypertension clinic
Hypertension	HT1	9N4L.00	dna - did not attend hypertension clinic
Hypertension	HT1	9OI..00	hypertension monitoring admin.
Hypertension	HT1	9OI..11	hypertension clinic admin.
Hypertension	HT1	9OI1.00	attends hypertension monitor.
Hypertension	HT1	9OI2.00	refuses hypertension monitor.
Hypertension	HT1	9OI3.00	hyperten.monitor offer default
Hypertension	HT1	9OI4.00	hypertens.monitor.1st letter

Hypertension	HT1	90I5.00	hypertens.monitor 2nd letter
Hypertension	HT1	90I6.00	hypertens.monitor 3rd letter
Hypertension	HT1	90I7.00	hypertens.monitor verbal inv.
Hypertension	HT1	90I8.00	hypertens.monitor phone invite
Hypertension	HT1	90I9.00	hypertens.monitor deleted
Hypertension	HT1	90IA.00	hypertension monitor.chk done
Hypertension	HT1	90IA.11	hypertension monitored
Hypertension	HT1	90IZ.00	hypertens.monitoring admin.nos
Hypertension	HT1	F404200	blind hypertensive eye
Hypertension	HT1	F421300	hypertensive retinopathy
Hypertension	HT1	G2...00	hypertensive disease
Hypertension	HT1	G2...11	bp - hypertensive disease
Hypertension	HT1	G20..00	essential hypertension
Hypertension	HT1	G20..11	high blood pressure
Hypertension	HT1	G20..12	primary hypertension
Hypertension	HT1	G200.00	malignant essential hypertension
Hypertension	HT1	G201.00	benign essential hypertension
Hypertension	HT1	G202.00	systolic hypertension
Hypertension	HT1	G203.00	diastolic hypertension
Hypertension	HT1	G20z.00	essential hypertension nos
Hypertension	HT1	G20z.11	hypertension nos
Hypertension	HT1	G21..00	hypertensive heart disease
Hypertension	HT1	G210.00	malignant hypertensive heart disease
Hypertension	HT1	G210000	malignant hypertensive heart disease without ccf
Hypertension	HT1	G210100	malignant hypertensive heart disease with ccf
Hypertension	HT1	G210z00	malignant hypertensive heart disease nos
Hypertension	HT1	G211.00	benign hypertensive heart disease
Hypertension	HT1	G211000	benign hypertensive heart disease without ccf
Hypertension	HT1	G211100	benign hypertensive heart disease with ccf
Hypertension	HT1	G211z00	benign hypertensive heart disease nos
Hypertension	HT1	G21z.00	hypertensive heart disease nos
Hypertension	HT1	G21z000	hypertensive heart disease nos without ccf
Hypertension	HT1	G21z011	cardiomegaly - hypertensive
Hypertension	HT1	G21z100	hypertensive heart disease nos with ccf
Hypertension	HT1	G21zz00	hypertensive heart disease nos
Hypertension	HT1	G22..00	hypertensive renal disease
Hypertension	HT1	G22..11	nephrosclerosis
Hypertension	HT1	G220.00	malignant hypertensive renal disease
Hypertension	HT1	G221.00	benign hypertensive renal disease
Hypertension	HT1	G222.00	hypertensive renal disease with renal failure
Hypertension	HT1	G22z.00	hypertensive renal disease nos
Hypertension	HT1	G22z.11	renal hypertension
Hypertension	HT1	G23..00	hypertensive heart and renal disease
Hypertension	HT1	G230.00	malignant hypertensive heart and renal disease
Hypertension	HT1	G231.00	benign hypertensive heart and renal disease
Hypertension	HT1	G232.00	hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT1	G233.00	hypertensive heart and renal disease with renal failure
Hypertension	HT1	G234.00	hyperten heart&renal dis+both(congestv)heart and renal fail

Hypertension	HT1	G23z.00	hypertensive heart and renal disease nos
Hypertension	HT1	G24..00	secondary hypertension
Hypertension	HT1	G240.00	secondary malignant hypertension
Hypertension	HT1	G240000	secondary malignant renovascular hypertension
Hypertension	HT1	G240z00	secondary malignant hypertension nos
Hypertension	HT1	G241.00	secondary benign hypertension
Hypertension	HT1	G241000	secondary benign renovascular hypertension
Hypertension	HT1	G241z00	secondary benign hypertension nos
Hypertension	HT1	G244.00	hypertension secondary to endocrine disorders
Hypertension	HT1	G24z.00	secondary hypertension nos
Hypertension	HT1	G24z000	secondary renovascular hypertension nos
Hypertension	HT1	G24z100	hypertension secondary to drug
Hypertension	HT1	G24zz00	secondary hypertension nos
Hypertension	HT1	G25..00	stage 1 hypertension (nice - nat ins for hth clin excl 2011)
Hypertension	HT1	G25..11	stage 1 hypertension
Hypertension	HT1	G26..00	severe hypertension (nat inst for health clinical ex 2011)
Hypertension	HT1	G26..11	severe hypertension
Hypertension	HT1	G27..00	hypertension resistant to drug therapy
Hypertension	HT1	G28..00	stage 2 hypertension (nice - nat ins for hth clin excl 2011)
Hypertension	HT1	G2y..00	other specified hypertensive disease
Hypertension	HT1	G2z..00	hypertensive disease nos
Hypertension	HT1	G672.00	hypertensive encephalopathy
Hypertension	HT1	G672.11	hypertensive crisis
Hypertension	HT1	Gyu2.00	[x]hypertensive diseases
Hypertension	HT1	Gyu2000	[x]other secondary hypertension
Hypertension	HT1	Gyu2100	[x]hypertension secondary to other renal disorders
Hypertension	HT1	L122.00	other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT1	L122000	other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT1	L122100	other pre-existing hypertension in preg/childb/puerp - deliv
Hypertension	HT1	L122300	other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT1	L122z00	other pre-existing hypertension in preg/childb/puerp nos
Hypertension	HT1	L127.00	pre-eclampsia or eclampsia with pre-existing hypertension
Hypertension	HT1	L127z00	pre-eclampsia or eclampsia + pre-existing hypertension nos
Hypertension	HT1	L128.00	pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT1	L128000	pre-exist hyperten heart dis compl preg childbth+puerperium
Hypertension	HT1	L128200	pre-exist 2ndry hypertens comp preg childbth and puerperium
Hypertension	HT1	TJC7.00	adverse reaction to other antihypertensives
Hypertension	HT1	TJC7z00	adverse reaction to antihypertensives nos
Hypertension	HT1	U60C500	[x]oth antihyperten drug caus advers eff in therap use, nec
Hypertension	HT1	U60C511	[x] adverse reaction to other antihypertensives
Hypertension	HT1	U60C51A	[x] adverse reaction to antihypertensives nos

Concept ID (Concept version ID): C1227 (3593)
 Concept name Hypertension - Primary care
 Phenotype ID (Phenotype version ID): PH189 (378)
 Phenotype name: Hypertension

condition	ref	Read code	description
Hypertension	HT2	6624.00	Borderline hyperten:yearly obs
Hypertension	HT2	6627.00	Good hypertension control
Hypertension	HT2	6628.00	Poor hypertension control
Hypertension	HT2	2126100	Hypertension resolved
Hypertension	HT2	6146200	Hypertension induced by oral contraceptive pill
Hypertension	HT2	14A2.00	H/O: hypertension
Hypertension	HT2	212K.00	Hypertension resolved
Hypertension	HT2	662b.00	Moderate hypertension control
Hypertension	HT2	662c.00	Hypertension six month review
Hypertension	HT2	662d.00	Hypertension annual review
Hypertension	HT2	662F.00	Hypertension treatm. started
Hypertension	HT2	662G.00	Hypertensive treatm.changed
Hypertension	HT2	662O.00	On treatment for hypertension
Hypertension	HT2	662r.00	Trial withdrawal of antihypertensive therapy
Hypertension	HT2	7Q01.00	High cost hypertension drugs
Hypertension	HT2	8B26.00	Antihypertensive therapy
Hypertension	HT2	8BL0.00	Patient on maximal tolerated antihypertensive therapy
Hypertension	HT2	8I3N.00	Hypertension treatment refused
Hypertension	HT2	9OI9.00	Hypertens.monitor deleted
Hypertension	HT2	F404200	Blind hypertensive eye
Hypertension	HT2	F421300	Hypertensive retinopathy
Hypertension	HT2	G2...00	Hypertensive disease
Hypertension	HT2	G2...11	BP - hypertensive disease
Hypertension	HT2	G20..00	Essential hypertension
Hypertension	HT2	G200.00	Malignant essential hypertension
Hypertension	HT2	G201.00	Benign essential hypertension
Hypertension	HT2	G202.00	Systolic hypertension
Hypertension	HT2	G203.00	Diastolic hypertension
Hypertension	HT2	G20z.00	Essential hypertension NOS
Hypertension	HT2	G20z.11	Hypertension NOS
Hypertension	HT2	G21..00	Hypertensive heart disease
Hypertension	HT2	G210.00	Malignant hypertensive heart disease
Hypertension	HT2	G210000	Malignant hypertensive heart disease without CCF
Hypertension	HT2	G210100	Malignant hypertensive heart disease with CCF
Hypertension	HT2	G211.00	Benign hypertensive heart disease
Hypertension	HT2	G211000	Benign hypertensive heart disease without CCF
Hypertension	HT2	G211100	Benign hypertensive heart disease with CCF
Hypertension	HT2	G21z.00	Hypertensive heart disease NOS
Hypertension	HT2	G21z000	Hypertensive heart disease NOS without CCF
Hypertension	HT2	G21z011	Cardiomegaly - hypertensive
Hypertension	HT2	G21z100	Hypertensive heart disease NOS with CCF
Hypertension	HT2	G21zz00	Hypertensive heart disease NOS
Hypertension	HT2	G22..00	Hypertensive renal disease

Hypertension	HT2	G220.00	Malignant hypertensive renal disease
Hypertension	HT2	G221.00	Benign hypertensive renal disease
Hypertension	HT2	G222.00	Hypertensive renal disease with renal failure
Hypertension	HT2	G22z.00	Hypertensive renal disease NOS
Hypertension	HT2	G22z.11	Renal hypertension
Hypertension	HT2	G23..00	Hypertensive heart and renal disease
Hypertension	HT2	G230.00	Malignant hypertensive heart and renal disease
Hypertension	HT2	G231.00	Benign hypertensive heart and renal disease
Hypertension	HT2	G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT2	G233.00	Hypertensive heart and renal disease with renal failure
Hypertension	HT2	G234.00	Hyperten heart&renal dis+both(congestv)heart and renal fail
Hypertension	HT2	G23z.00	Hypertensive heart and renal disease NOS
Hypertension	HT2	G24..00	Secondary hypertension
Hypertension	HT2	G240.00	Secondary malignant hypertension
Hypertension	HT2	G240000	Secondary malignant renovascular hypertension
Hypertension	HT2	G240z00	Secondary malignant hypertension NOS
Hypertension	HT2	G241.00	Secondary benign hypertension
Hypertension	HT2	G241000	Secondary benign renovascular hypertension
Hypertension	HT2	G241z00	Secondary benign hypertension NOS
Hypertension	HT2	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT2	G24z.00	Secondary hypertension NOS
Hypertension	HT2	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT2	G24z100	Hypertension secondary to drug
Hypertension	HT2	G24zz00	Secondary hypertension NOS
Hypertension	HT2	G2y..00	Other specified hypertensive disease
Hypertension	HT2	G2z..00	Hypertensive disease NOS
Hypertension	HT2	G672.00	Hypertensive encephalopathy
Hypertension	HT2	G672.11	Hypertensive crisis
Hypertension	HT2	Gyu2.00	[X]Hypertensive diseases
Hypertension	HT2	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT2	L122.00	Other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT2	L122000	Other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT2	L122100	Other pre-existing hypertension in preg/childb/puerp - deliv
Hypertension	HT2	L122300	Other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT2	L122z00	Other pre-existing hypertension in preg/childb/puerp NOS
Hypertension	HT2	L127.00	Pre-eclampsia or eclampsia with pre-existing hypertension
Hypertension	HT2	L127z00	Pre-eclampsia or eclampsia + pre-existing hypertension NOS
Hypertension	HT2	L128.00	Pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT2	L128000	Pre-exist hyperten heart dis compl preg childbth+puerperium
Hypertension	HT2	L128200	Pre-exist 2ndry hypertens comp preg childbth and puerperium
Hypertension	HT2	TJC7.00	Adverse reaction to other antihypertensives
Hypertension	HT2	TJC7z00	Adverse reaction to antihypertensives NOS
Hypertension	HT2	U60C500	[X]Oth antihyperten drug caus advers eff in therap use, NEC
Hypertension	HT2	U60C511	[X] Adverse reaction to other antihypertensives
Hypertension	HT2	U60C51A	[X] Adverse reaction to antihypertensives NOS

Concept ID (Concept version ID): C3203 (8565)
 Concept name File - Hypertension - Primary Care
 Phenotype ID (Phenotype version ID): PH1029 (2267)
 Phenotype name: Hypertension

condition	ref	Read code	description
Hypertension	HT3	6624.00	Borderline hyperten:yearly obs
Hypertension	HT3	6627.00	Good hypertension control
Hypertension	HT3	6628.00	Poor hypertension control
Hypertension	HT3	6146200	Hypertension induced by oral contraceptive pill
Hypertension	HT3	662b.00	Moderate hypertension control
Hypertension	HT3	662c.00	Hypertension six month review
Hypertension	HT3	662d.00	Hypertension annual review
Hypertension	HT3	662F.00	Hypertension treatm. started
Hypertension	HT3	662G.00	Hypertensive treatm.changed
Hypertension	HT3	662O.00	On treatment for hypertension
Hypertension	HT3	662r.00	Trial withdrawal of antihypertensive therapy
Hypertension	HT3	7Q01.00	High cost hypertension drugs
Hypertension	HT3	8B26.00	Antihypertensive therapy
Hypertension	HT3	8BL0.00	Patient on maximal tolerated antihypertensive therapy
Hypertension	HT3	8I3N.00	Hypertension treatment refused
Hypertension	HT3	F404200	Blind hypertensive eye
Hypertension	HT3	F421300	Hypertensive retinopathy
Hypertension	HT3	G2...00	Hypertensive disease
Hypertension	HT3	G2...11	BP - hypertensive disease
Hypertension	HT3	G20..00	Essential hypertension
Hypertension	HT3	G200.00	Malignant essential hypertension
Hypertension	HT3	G201.00	Benign essential hypertension
Hypertension	HT3	G202.00	Systolic hypertension
Hypertension	HT3	G203.00	Diastolic hypertension
Hypertension	HT3	G20z.00	Essential hypertension NOS
Hypertension	HT3	G20z.11	Hypertension NOS
Hypertension	HT3	G21..00	Hypertensive heart disease
Hypertension	HT3	G210.00	Malignant hypertensive heart disease
Hypertension	HT3	G210000	Malignant hypertensive heart disease without CCF
Hypertension	HT3	G210100	Malignant hypertensive heart disease with CCF
Hypertension	HT3	G211.00	Benign hypertensive heart disease
Hypertension	HT3	G211000	Benign hypertensive heart disease without CCF
Hypertension	HT3	G211100	Benign hypertensive heart disease with CCF
Hypertension	HT3	G21z.00	Hypertensive heart disease NOS
Hypertension	HT3	G21z000	Hypertensive heart disease NOS without CCF
Hypertension	HT3	G21z011	Cardiomegaly - hypertensive
Hypertension	HT3	G21z100	Hypertensive heart disease NOS with CCF
Hypertension	HT3	G21zz00	Hypertensive heart disease NOS
Hypertension	HT3	G22..00	Hypertensive renal disease
Hypertension	HT3	G220.00	Malignant hypertensive renal disease
Hypertension	HT3	G221.00	Benign hypertensive renal disease
Hypertension	HT3	G222.00	Hypertensive renal disease with renal failure
Hypertension	HT3	G22z.00	Hypertensive renal disease NOS

Hypertension	HT3	G22z.11	Renal hypertension
Hypertension	HT3	G23..00	Hypertensive heart and renal disease
Hypertension	HT3	G230.00	Malignant hypertensive heart and renal disease
Hypertension	HT3	G231.00	Benign hypertensive heart and renal disease
Hypertension	HT3	G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT3	G233.00	Hypertensive heart and renal disease with renal failure
Hypertension	HT3	G234.00	Hyperten heart&renal dis+both(congestv)heart and renal fail
Hypertension	HT3	G23z.00	Hypertensive heart and renal disease NOS
Hypertension	HT3	G24..00	Secondary hypertension
Hypertension	HT3	G240.00	Secondary malignant hypertension
Hypertension	HT3	G240000	Secondary malignant renovascular hypertension
Hypertension	HT3	G240z00	Secondary malignant hypertension NOS
Hypertension	HT3	G241.00	Secondary benign hypertension
Hypertension	HT3	G241000	Secondary benign renovascular hypertension
Hypertension	HT3	G241z00	Secondary benign hypertension NOS
Hypertension	HT3	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT3	G24z.00	Secondary hypertension NOS
Hypertension	HT3	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT3	G24z100	Hypertension secondary to drug
Hypertension	HT3	G24zz00	Secondary hypertension NOS
Hypertension	HT3	G2y..00	Other specified hypertensive disease
Hypertension	HT3	G2z..00	Hypertensive disease NOS
Hypertension	HT3	G672.00	Hypertensive encephalopathy
Hypertension	HT3	G672.11	Hypertensive crisis
Hypertension	HT3	Gyu2.00	[X]Hypertensive diseases
Hypertension	HT3	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT3	L122.00	Other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT3	L122000	Other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT3	L122100	Other pre-existing hypertension in preg/childb/puerp - deliv
Hypertension	HT3	L122300	Other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT3	L122z00	Other pre-existing hypertension in preg/childb/puerp NOS
Hypertension	HT3	L127.00	Pre-eclampsia or eclampsia with pre-existing hypertension
Hypertension	HT3	L127z00	Pre-eclampsia or eclampsia + pre-existing hypertension NOS
Hypertension	HT3	L128.00	Pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT3	L128000	Pre-exist hyperten heart dis compl preg childbth+puerperium
Hypertension	HT3	L128200	Pre-exist 2ndry hypertens comp preg childbth and puerperium
Hypertension	HT3	TJC7.00	Adverse reaction to other antihypertensives
Hypertension	HT3	TJC7z00	Adverse reaction to antihypertensives NOS
Hypertension	HT3	U60C500	[X]Oth antihyperten drug caus advers eff in therap use, NEC
Hypertension	HT3	U60C511	[X] Adverse reaction to other antihypertensives
Hypertension	HT3	U60C51A	[X] Adverse reaction to antihypertensives NOS

Concept ID (Concept version ID): C2800 (7321)
 Concept name: CCU002_01 Hypertension - Phenotypes - Wales primary care EHR: Hypertension diagnosis
 Phenotype ID (Phenotype version ID): PH970 (2148)
 Phenotype name: CCU002_01 Hypertension

condition	ref	Read code	Description
Hypertension	HT4	6624.00	Borderline hyperten:yearly obs
Hypertension	HT4	6627.00	Good hypertension control
Hypertension	HT4	6628.00	Poor hypertension control
Hypertension	HT4	2126100	Hypertension resolved
Hypertension	HT4	6146200	Hypertension induced by oral contraceptive pill
Hypertension	HT4	14A2.00	H/O: hypertension
Hypertension	HT4	212K.00	Hypertension resolved
Hypertension	HT4	662b.00	Moderate hypertension control
Hypertension	HT4	662c.00	Hypertension six month review
Hypertension	HT4	662d.00	Hypertension annual review
Hypertension	HT4	662F.00	Hypertension treatm. Started
Hypertension	HT4	662G.00	Hypertensive treatm.changed
Hypertension	HT4	662O.00	On treatment for hypertension
Hypertension	HT4	662r.00	Trial withdrawal of antihypertensive therapy
Hypertension	HT4	7Q01.00	High cost hypertension drug
Hypertension	HT4	8B26.00	Antihypertensive therapy
Hypertension	HT4	8BL0.00	Patient on maximal tolerated antihypertensive therapy
Hypertension	HT4	8I3N.00	Hypertension treatment refused
Hypertension	HT4	9OI9.00	Hypertens.monitor deleted
Hypertension	HT4	F404200	Blind hypertensive eye
Hypertension	HT4	F421300	Hypertensive retinopathy
Hypertension	HT4	G2...00	Hypertensive disease
Hypertension	HT4	G20..00	Essential hypertension
Hypertension	HT4	G200.00	Malignant essential hypertension
Hypertension	HT4	G201.00	Benign essential hypertension
Hypertension	HT4	G202.00	Systolic hypertension
Hypertension	HT4	G203.00	Diastolic hypertension
Hypertension	HT4	G20z.00	Essential hypertension NOS
Hypertension	HT4	G21..00	Hypertensive heart disease
Hypertension	HT4	G210.00	Malignant hypertensive heart disease
Hypertension	HT4	G210000	Malignant hypertensive heart disease without CCF
Hypertension	HT4	G210100	Malignant hypertensive heart disease with CCF
Hypertension	HT4	G211.00	Benign hypertensive heart disease
Hypertension	HT4	G211000	Benign hypertensive heart disease without CCF
Hypertension	HT4	G211100	Benign hypertensive heart disease with CCF
Hypertension	HT4	G21z.00	Hypertensive heart disease NOS
Hypertension	HT4	G21z000	Hypertensive heart disease NOS without CCF
Hypertension	HT4	G21z100	Hypertensive heart disease NOS with CCF
Hypertension	HT4	G21zz00	Hypertensive heart disease NOS
Hypertension	HT4	G22..00	Hypertensive renal disease
Hypertension	HT4	G220.00	Malignant hypertensive renal disease
Hypertension	HT4	G221.00	Benign hypertensive renal disease

Hypertension	HT4	G222.00	Hypertensive renal disease with renal failure
Hypertension	HT4	G22z.00	Hypertensive renal disease NOS
Hypertension	HT4	G23..00	Hypertensive heart and renal disease
Hypertension	HT4	G230.00	Malignant hypertensive heart and renal disease
Hypertension	HT4	G231.00	Benign hypertensive heart and renal disease
Hypertension	HT4	G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT4	G233.00	Hypertensive heart and renal disease with renal failure
Hypertension	HT4	G234.00	Hyperten heart&renal dis+both(congestv)heart and renal fail
Hypertension	HT4	G23z.00	Hypertensive heart and renal disease NOS
Hypertension	HT4	G24..00	Secondary hypertension
Hypertension	HT4	G240.00	Secondary malignant hypertension
Hypertension	HT4	G240000	Secondary malignant renovascular hypertension
Hypertension	HT4	G240z00	Secondary malignant hypertension NOS
Hypertension	HT4	G241.00	Secondary benign hypertension
Hypertension	HT4	G241000	Secondary benign renovascular hypertension
Hypertension	HT4	G241z00	Secondary benign hypertension NOS
Hypertension	HT4	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT4	G24z.00	Secondary hypertension NOS
Hypertension	HT4	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT4	G24z100	Hypertension secondary to drug
Hypertension	HT4	G24zz00	Secondary hypertension NOS
Hypertension	HT4	G2y..00	Other specified hypertensive disease
Hypertension	HT4	G2z..00	Hypertensive disease NOS
Hypertension	HT4	G672.00	Hypertensive encephalopathy
Hypertension	HT4	Gyu2.00	[X]Hypertensive diseases
Hypertension	HT4	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT4	L122.00	Other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT4	L122000	Other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT4	L122100	Other pre-existing hypertension in preg/childb/puerp – deliv
Hypertension	HT4	L122300	Other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT4	L122z00	Other pre-existing hypertension in preg/childb/puerp NOS
Hypertension	HT4	L127.00	Pre-eclampsia or eclampsia with pre-existing hypertension
Hypertension	HT4	L127z00	Pre-eclampsia or eclampsia + pre-existing hypertension NOS
Hypertension	HT4	L128.00	Pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT4	L128000	Pre-exist hyperten heart dis compl preg childbth+puerperium
Hypertension	HT4	L128200	Pre-exist 2ndry hypertens comp preg childbth and puerperium
Hypertension	HT4	TJC7.00	Adverse reaction to other antihypertensives
Hypertension	HT4	TJC7z00	Adverse reaction to antihypertensives NOS
Hypertension	HT4	U60C500	[X]Oth antihyperten drug caus advers eff in therap use, NEC

Concept ID (Concept version ID): C1920 (4978)
 Concept name Hypertension - Primary Care
 Phenotype ID (Phenotype version ID): PH534 (1068)
 Phenotype name: Hypertension

condition	ref	Read code	Description
Hypertension	HT5	2126100	Hypertension resolved
Hypertension	HT5	212K.00	Hypertension resolved
Hypertension	HT5	G2...00	Hypertensive disease
Hypertension	HT5	G2...11	BP - hypertensive disease
Hypertension	HT5	G20..00	Essential hypertension
Hypertension	HT5	G200.00	Malignant essential hypertension
Hypertension	HT5	G201.00	Benign essential hypertension
Hypertension	HT5	G202.00	Systolic hypertension
Hypertension	HT5	G20z.00	Essential hypertension NOS
Hypertension	HT5	G20z.11	Hypertension NOS
Hypertension	HT5	G21..00	Hypertensive heart disease
Hypertension	HT5	G210.00	Malignant hypertensive heart disease
Hypertension	HT5	G210000	Malignant hypertensive heart disease without CCF
Hypertension	HT5	G210100	Malignant hypertensive heart disease with CCF
Hypertension	HT5	G210z00	Malignant hypertensive heart disease NOS
Hypertension	HT5	G211.00	Benign hypertensive heart disease
Hypertension	HT5	G211000	Benign hypertensive heart disease without CCF
Hypertension	HT5	G211100	Benign hypertensive heart disease with CCF
Hypertension	HT5	G21z.00	Hypertensive heart disease NOS
Hypertension	HT5	G21z000	Hypertensive heart disease NOS without CCF
Hypertension	HT5	G21z011	Cardiomegaly - hypertensive
Hypertension	HT5	G21z100	Hypertensive heart disease NOS with CCF
Hypertension	HT5	G21zz00	Hypertensive heart disease NOS
Hypertension	HT5	G22..00	Hypertensive renal disease
Hypertension	HT5	G220.00	Malignant hypertensive renal disease
Hypertension	HT5	G221.00	Benign hypertensive renal disease
Hypertension	HT5	G222.00	Hypertensive renal disease with renal failure
Hypertension	HT5	G22z.00	Hypertensive renal disease NOS
Hypertension	HT5	G22z.11	Renal hypertension
Hypertension	HT5	G23..00	Hypertensive heart and renal disease
Hypertension	HT5	G230.00	Malignant hypertensive heart and renal disease
Hypertension	HT5	G231.00	Benign hypertensive heart and renal disease
Hypertension	HT5	G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT5	G233.00	Hypertensive heart and renal disease with renal failure
Hypertension	HT5	G234.00	Hyperten heart&renal dis+both(congestv)heart and renal fail
Hypertension	HT5	G23z.00	Hypertensive heart and renal disease NOS
Hypertension	HT5	G24..00	Secondary hypertension
Hypertension	HT5	G240.00	Secondary malignant hypertension
Hypertension	HT5	G240000	Secondary malignant renovascular hypertension
Hypertension	HT5	G240z00	Secondary malignant hypertension NOS
Hypertension	HT5	G241.00	Secondary benign hypertension
Hypertension	HT5	G241000	Secondary benign renovascular hypertension
Hypertension	HT5	G241z00	Secondary benign hypertension NOS

Hypertension	HT5	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT5	G24z.00	Secondary hypertension NOS
Hypertension	HT5	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT5	G24zz00	Secondary hypertension NOS
Hypertension	HT5	G2y..00	Other specified hypertensive disease
Hypertension	HT5	G2z..00	Hypertensive disease NOS
Hypertension	HT5	Gyu2000	[X]Other secondary hypertension
Hypertension	HT5	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT5	L120.00	Benign essential hypertension in pregnancy/childbirth/puerp
Hypertension	HT5	L120000	Benign essential hypertension in preg/childb/puerp unspec
Hypertension	HT5	L120100	Benign essential hypertension in preg/childb/puerp - deliv
Hypertension	HT5	L120300	Benign essential hypertension in preg/childb/puerp-not deliv
Hypertension	HT5	L120400	Benign essential hypertension in preg/childb/puerp +p/n comp
Hypertension	HT5	L120z00	Benign essential hypertension in preg/childb/puerp NOS
Hypertension	HT5	L121.00	Renal hypertension in pregnancy/childbirth/puerperium
Hypertension	HT5	L121000	Renal hypertension in pregnancy/childbirth/puerp unspecified
Hypertension	HT5	L121100	Renal hypertension in pregnancy/childbirth/puerp - delivered
Hypertension	HT5	L121300	Renal hypertension in preg/childbirth/puerp - not delivered
Hypertension	HT5	L121z00	Renal hypertension in pregnancy/childbirth/puerperium NOS
Hypertension	HT5	L122.00	Other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT5	L122000	Other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT5	L122100	Other pre-existing hypertension in preg/childb/puerp - deliv
Hypertension	HT5	L122300	Other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT5	L122z00	Other pre-existing hypertension in preg/childb/puerp NOS
Hypertension	HT5	L128.00	Pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT5	L128200	Pre-exist 2ndry hypertens comp preg childbth and puerperium

Concept ID (Concept version ID): C2046 (5230)
 Concept name Hypertension - Primary Care
 Phenotype ID (Phenotype version ID): PH632 (1264)
 Phenotype name: Hypertension

condition	ref	Read code	description
Hypertension	HT6	G2...00	Hypertensive disease
Hypertension	HT6	G2...11	BP - hypertensive disease
Hypertension	HT6	G20..00	Essential hypertension
Hypertension	HT6	G200.00	Malignant essential hypertension
Hypertension	HT6	G201.00	Benign essential hypertension
Hypertension	HT6	G202.00	Systolic hypertension
Hypertension	HT6	G20z.00	Essential hypertension NOS
Hypertension	HT6	G20z.11	Hypertension NOS
Hypertension	HT6	G21..00	Hypertensive heart disease
Hypertension	HT6	G210.00	Malignant hypertensive heart disease
Hypertension	HT6	G210000	Malignant hypertensive heart disease without CCF
Hypertension	HT6	G210100	Malignant hypertensive heart disease with CCF
Hypertension	HT6	G210z00	Malignant hypertensive heart disease NOS
Hypertension	HT6	G211.00	Benign hypertensive heart disease
Hypertension	HT6	G211000	Benign hypertensive heart disease without CCF
Hypertension	HT6	G211100	Benign hypertensive heart disease with CCF
Hypertension	HT6	G21z.00	Hypertensive heart disease NOS
Hypertension	HT6	G21z000	Hypertensive heart disease NOS without CCF
Hypertension	HT6	G21z011	Cardiomegaly - hypertensive
Hypertension	HT6	G21z100	Hypertensive heart disease NOS with CCF
Hypertension	HT6	G21zz00	Hypertensive heart disease NOS
Hypertension	HT6	G22..00	Hypertensive renal disease
Hypertension	HT6	G220.00	Malignant hypertensive renal disease
Hypertension	HT6	G221.00	Benign hypertensive renal disease
Hypertension	HT6	G222.00	Hypertensive renal disease with renal failure
Hypertension	HT6	G22z.00	Hypertensive renal disease NOS
Hypertension	HT6	G22z.11	Renal hypertension
Hypertension	HT6	G23..00	Hypertensive heart and renal disease
Hypertension	HT6	G230.00	Malignant hypertensive heart and renal disease
Hypertension	HT6	G231.00	Benign hypertensive heart and renal disease
Hypertension	HT6	G232.00	Hypertensive heart&renal dis wth (congestive) heart failure
Hypertension	HT6	G233.00	Hypertensive heart and renal disease with renal failure
Hypertension	HT6	G234.00	Hyperten heart&renal dis+both(congestv)heart and renal fail
Hypertension	HT6	G23z.00	Hypertensive heart and renal disease NOS
Hypertension	HT6	G24..00	Secondary hypertension
Hypertension	HT6	G240.00	Secondary malignant hypertension
Hypertension	HT6	G240000	Secondary malignant renovascular hypertension
Hypertension	HT6	G240z00	Secondary malignant hypertension NOS
Hypertension	HT6	G241.00	Secondary benign hypertension
Hypertension	HT6	G241000	Secondary benign renovascular hypertension
Hypertension	HT6	G241z00	Secondary benign hypertension NOS
Hypertension	HT6	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT6	G24z.00	Secondary hypertension NOS

Hypertension	HT6	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT6	G24zz00	Secondary hypertension NOS
Hypertension	HT6	G2y..00	Other specified hypertensive disease
Hypertension	HT6	G2z..00	Hypertensive disease NOS
Hypertension	HT6	Gyu2000	[X]Other secondary hypertension
Hypertension	HT6	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT6	L120.00	Benign essential hypertension in pregnancy/childbirth/puerp
Hypertension	HT6	L120000	Benign essential hypertension in preg/childb/puerp unspec
Hypertension	HT6	L120100	Benign essential hypertension in preg/childb/puerp - deliv
Hypertension	HT6	L120300	Benign essential hypertension in preg/childb/puerp-not deliv
Hypertension	HT6	L120400	Benign essential hypertension in preg/childb/puerp +p/n comp
Hypertension	HT6	L120z00	Benign essential hypertension in preg/childb/puerp NOS
Hypertension	HT6	L121.00	Renal hypertension in pregnancy/childbirth/puerperium
Hypertension	HT6	L121000	Renal hypertension in pregnancy/childbirth/puerp unspecified
Hypertension	HT6	L121100	Renal hypertension in pregnancy/childbirth/puerp - delivered
Hypertension	HT6	L121300	Renal hypertension in preg/childbirth/puerp - not delivered
Hypertension	HT6	L121z00	Renal hypertension in pregnancy/childbirth/puerperium NOS
Hypertension	HT6	L122.00	Other pre-existing hypertension in preg/childbirth/puerp
Hypertension	HT6	L122000	Other pre-existing hypertension in preg/childb/puerp unspec
Hypertension	HT6	L122100	Other pre-existing hypertension in preg/childb/puerp - deliv
Hypertension	HT6	L122300	Other pre-exist hypertension in preg/childb/puerp-not deliv
Hypertension	HT6	L122z00	Other pre-existing hypertension in preg/childb/puerp NOS
Hypertension	HT6	L128.00	Pre-exist hypertension compl preg childbirth and puerperium
Hypertension	HT6	L128200	Pre-exist 2ndry hypertens comp preg childbth and puerperium

Concept ID (Concept version ID): C3350 (10237)
 Concept name Hypertension (uncomplicated) Read codes - Elixhauser
 Phenotype ID (Phenotype version ID): PH1082 (2367)
 Phenotype name: Hypertension (uncomplicated) - Elixhauser primary care

condition	ref	Read code	description
Hypertension	HT7	6627.00	Good hypertension control
Hypertension	HT7	6628.00	Poor hypertension control
Hypertension	HT7	6629.00	Hypertension:follow-up default
Hypertension	HT7	6146200	Hypertension induced by oral contraceptive pill
Hypertension	HT7	14A2.00	H/O: hypertension
Hypertension	HT7	661M600	Hypertension self-management plan agreed
Hypertension	HT7	662..12	Hypertension monitoring
Hypertension	HT7	662b.00	Moderate hypertension control
Hypertension	HT7	662c.00	Hypertension six month review
Hypertension	HT7	662d.00	Hypertension annual review
Hypertension	HT7	662F.00	Hypertension treatm. started
Hypertension	HT7	662G.00	Hypertensive treatm.changed
Hypertension	HT7	662O.00	On treatment for hypertension
Hypertension	HT7	662P.00	Hypertension monitoring
Hypertension	HT7	662P000	Hypertension 9 month review
Hypertension	HT7	662q.00	Trial reduction of antihypertensive therapy
Hypertension	HT7	67H8.00	Lifestyle advice regarding hypertension
Hypertension	HT7	7Q01y00	Other specified high cost hypertension drugs
Hypertension	HT7	8B26.00	Antihypertensive therapy
Hypertension	HT7	8BL0.00	Patient on maximal tolerated antihypertensive therapy
Hypertension	HT7	8CR4.00	Hypertension clinical management plan
Hypertension	HT7	8HT5.00	Referral to hypertension clinic
Hypertension	HT7	8I3N.00	Hypertension treatment refused
Hypertension	HT7	8IA5.00	Trial withdrawal of antihypertensive therapy declined
Hypertension	HT7	9N1y200	Seen in hypertension clinic
Hypertension	HT7	9OI..00	Hypertension monitoring admin.
Hypertension	HT7	9OI..11	Hypertension clinic admin.
Hypertension	HT7	9OIA.11	Hypertension monitored
Hypertension	HT7	G2...00	Hypertensive disease
Hypertension	HT7	G2...11	BP - hypertensive disease
Hypertension	HT7	G20..00	Essential hypertension
Hypertension	HT7	G20..12	Primary hypertension
Hypertension	HT7	G200.00	Malignant essential hypertension
Hypertension	HT7	G201.00	Benign essential hypertension
Hypertension	HT7	G202.00	Systolic hypertension
Hypertension	HT7	G203.00	Diastolic hypertension
Hypertension	HT7	G20z.00	Essential hypertension NOS
Hypertension	HT7	G20z.11	Hypertension NOS
Hypertension	HT7	G24..00	Secondary hypertension
Hypertension	HT7	G240.00	Secondary malignant hypertension
Hypertension	HT7	G240000	Secondary malignant renovascular hypertension
Hypertension	HT7	G240z00	Secondary malignant hypertension NOS
Hypertension	HT7	G241.00	Secondary benign hypertension

Hypertension	HT7	G241000	Secondary benign renovascular hypertension
Hypertension	HT7	G241z00	Secondary benign hypertension NOS
Hypertension	HT7	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT7	G24z.00	Secondary hypertension NOS
Hypertension	HT7	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT7	G24z100	Hypertension secondary to drug
Hypertension	HT7	G24zz00	Secondary hypertension NOS
Hypertension	HT7	G25..00	Stage 1 hypertension (NICE - Nat Ins for Hth Clin Excl 2011)
Hypertension	HT7	G25..11	Stage 1 hypertension
Hypertension	HT7	G26..00	Severe hypertension (Nat Inst for Health Clinical Ex 2011)
Hypertension	HT7	G26..11	Severe hypertension
Hypertension	HT7	G27..00	Hypertension resistant to drug therapy
Hypertension	HT7	G28..00	Stage 2 hypertension (NICE - Nat Ins for Hth Clin Excl 2011)
Hypertension	HT7	G2y..00	Other specified hypertensive disease
Hypertension	HT7	G2z..00	Hypertensive disease NOS
Hypertension	HT7	Gyu2.00	[X]Hypertensive diseases
Hypertension	HT7	Gyu2000	[X]Other secondary hypertension
Hypertension	HT7	Gyu2100	[X]Hypertension secondary to other renal disorders
Hypertension	HT7	U60C511	[X] Adverse reaction to other antihypertensives
Hypertension	HT7	U60C51A	[X] Adverse reaction to antihypertensives NOS

Concept ID (Concept version ID): C2026 (5190)
 Concept name Hypertension - Primary Care
 Phenotype ID (Phenotype version ID): PH619 (1238)
 Phenotype name: Hypertension

Condition	ref	Read code	description
Hypertension	HT8	2126100	Hypertension resolved
Hypertension	HT8	G2...00	Hypertensive disease
Hypertension	HT8	G20..00	Essential hypertension
Hypertension	HT8	G20..11	High blood pressure
Hypertension	HT8	G200.00	Malignant essential hypertension
Hypertension	HT8	G201.00	Benign essential hypertension
Hypertension	HT8	G202.00	Systolic hypertension
Hypertension	HT8	G203.00	Diastolic hypertension
Hypertension	HT8	G20z.00	Essential hypertension NOS
Hypertension	HT8	G20z.11	Hypertension NOS
Hypertension	HT8	G24..00	Secondary hypertension
Hypertension	HT8	G240.00	Secondary malignant hypertension
Hypertension	HT8	G240000	Secondary malignant renovascular hypertension
Hypertension	HT8	G240z00	Secondary malignant hypertension NOS
Hypertension	HT8	G241.00	Secondary benign hypertension
Hypertension	HT8	G241000	Secondary benign renovascular hypertension
Hypertension	HT8	G241z00	Secondary benign hypertension NOS
Hypertension	HT8	G244.00	Hypertension secondary to endocrine disorders
Hypertension	HT8	G24z.00	Secondary hypertension NOS
Hypertension	HT8	G24z000	Secondary renovascular hypertension NOS
Hypertension	HT8	G24z100	Hypertension secondary to drug
Hypertension	HT8	G24zz00	Secondary hypertension NOS
Hypertension	HT8	G2y..00	Other specified hypertensive disease
Hypertension	HT8	G2z..00	Hypertensive disease NOS

Table S6c: Hypertension Read codes present in codelists (145 distinct Read codes)

Code	Description	Present in the codelist								Total codelists present in
		HT1	HT2	HT3	HT4	HT5	HT6	HT7	HT8	
G2...00	hypertensive disease	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G20..00	essential hypertension	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G200.00	malignant essential hypertension	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
G201.00	benign essential hypertension	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	7
G202.00	systolic hypertension	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G20z.00	essential hypertension nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G20z.11	hypertension nos	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G24..00	secondary hypertension	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G240.00	secondary malignant hypertension	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G240000	secondary malignant renovascular hypertension	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
G240z00	secondary malignant hypertension nos	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G241.00	secondary benign hypertension	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	7
G241000	secondary benign renovascular hypertension	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	7
G241z00	secondary benign hypertension nos	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	7
G244.00	hypertension secondary to endocrine disorders	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G24z.00	secondary hypertension nos	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	7
G24z000	secondary renovascular hypertension nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G24zz00	secondary hypertension nos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G2y..00	other specified hypertensive disease	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	7
G2z..00	hypertensive disease nos	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	7
Gyu2100	[x]hypertension secondary to other renal disorders	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	7
G2...11	bp - hypertensive disease	Yes	Yes	Yes	No	Yes	Yes	Yes	No	6
G203.00	diastolic hypertension	Yes	Yes	Yes	Yes	No	No	Yes	Yes	6
G21..00	hypertensive heart disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G210.00	malignant hypertensive heart disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G210000	malignant hypertensive heart disease without ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G210100	malignant hypertensive heart disease with ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G211.00	benign hypertensive heart disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G211000	benign hypertensive heart disease without ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G211100	benign hypertensive heart disease with ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G21z.00	hypertensive heart disease nos	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G21z000	hypertensive heart disease nos without ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G21z100	hypertensive heart disease nos with ccf	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G21zz00	hypertensive heart disease nos	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G22..00	hypertensive renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G220.00	malignant hypertensive renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G221.00	benign hypertensive renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G222.00	hypertensive renal disease with renal failure	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6

G22z.00	hypertensive renal disease nos	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G23..00	hypertensive heart and renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G230.00	malignant hypertensive heart and renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G231.00	benign hypertensive heart and renal disease	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G232.00	hypertensive heart&renal dis wth (congestive) heart failure	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G233.00	hypertensive heart and renal disease with renal failure	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G234.00	hyperten heart&renal dis+both(congestv)heart and renal fail	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G23z.00	hypertensive heart and renal disease nos	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
G24z100	hypertension secondary to drug	Yes	Yes	Yes	Yes	No	No	Yes	Yes	6
L122.00	other pre-existing hypertension in preg/childbirth/puerp	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L122000	other pre-existing hypertension in preg/childb/puerp unspec	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L122100	other pre-existing hypertension in preg/childb/puerp - deliv	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L122300	other pre-exist hypertension in preg/childb/puerp-not deliv	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L122z00	other pre-existing hypertension in preg/childb/puerp nos	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L128.00	pre-exist hypertension compl preg childbirth and puerperium	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
L128200	pre-exist 2ndry hypertens comp preg childbth and puerperium	Yes	Yes	Yes	Yes	Yes	Yes	No	No	6
2126100	hypertension resolved	Yes	Yes	No	Yes	Yes	No	No	Yes	5
6627	good hypertension control	Yes	Yes	Yes	Yes	No	No	Yes	No	5
6628	poor hypertension control	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662F.00	hypertension treatm. started	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662G.00	hypertensive treatm.changed	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662O.00	on treatment for hypertension	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662b.00	moderate hypertension control	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662c.00	hypertension six month review	Yes	Yes	Yes	Yes	No	No	Yes	No	5
662d.00	hypertension annual review	Yes	Yes	Yes	Yes	No	No	Yes	No	5
8B26.00	antihypertensive therapy	Yes	Yes	Yes	Yes	No	No	Yes	No	5
8BL0.00	patient on maximal tolerated antihypertensive therapy	Yes	Yes	Yes	Yes	No	No	Yes	No	5
8I3N.00	hypertension treatment refused	Yes	Yes	Yes	Yes	No	No	Yes	No	5
G21z011	cardiomegaly - hypertensive	Yes	Yes	Yes	No	Yes	Yes	No	No	5
G22z.11	renal hypertension	Yes	Yes	Yes	No	Yes	Yes	No	No	5
Gyu2.00	[x]hypertensive diseases	Yes	Yes	Yes	Yes	No	No	Yes	No	5
14A2.00	h/o: hypertension	Yes	Yes	No	Yes	No	No	Yes	No	4
212K.00	hypertension resolved	Yes	Yes	No	Yes	Yes	No	No	No	4
6146200	hypertension induced by oral contraceptive pill	No	Yes	Yes	Yes	No	No	Yes	No	4
6624	borderline hyperten:yearly obs	Yes	Yes	Yes	Yes	No	No	No	No	4
662r.00	trial withdrawal of antihypertensive therapy	Yes	Yes	Yes	Yes	No	No	No	No	4
7Q01.00	high cost hypertension drugs	Yes	Yes	Yes	Yes	No	No	No	No	4
F404200	blind hypertensive eye	Yes	Yes	Yes	Yes	No	No	No	No	4
F421300	hypertensive retinopathy	Yes	Yes	Yes	Yes	No	No	No	No	4
G672.00	hypertensive encephalopathy	Yes	Yes	Yes	Yes	No	No	No	No	4
Gyu2000	[x]other secondary hypertension	Yes	No	No	No	Yes	Yes	Yes	No	4
L127.00	pre-eclampsia or eclampsia with pre-existing hypertension	Yes	Yes	Yes	Yes	No	No	No	No	4

L127z00	pre-eclampsia or eclampsia + pre-existing hypertension nos	Yes	Yes	Yes	Yes	No	No	No	No	4
L128000	pre-exist hyperten heart dis compl preg childbth+puerperium	Yes	Yes	Yes	Yes	No	No	No	No	4
TJC7.00	adverse reaction to other antihypertensives	Yes	Yes	Yes	Yes	No	No	No	No	4
TJC7z00	adverse reaction to antihypertensives nos	Yes	Yes	Yes	Yes	No	No	No	No	4
U60C500	[x]oth antihyperten drug caus advers eff in therap use, nec	Yes	Yes	Yes	Yes	No	No	No	No	4
U60C511	[x] adverse reaction to other antihypertensives	Yes	Yes	Yes	No	No	No	Yes	No	4
U60C51A	[x] adverse reaction to antihypertensives nos	Yes	Yes	Yes	No	No	No	Yes	No	4
9OI9.00	hypertens.monitor deleted	Yes	Yes	No	Yes	No	No	No	No	3
G210z00	malignant hypertensive heart disease nos	Yes	No	No	No	Yes	Yes	No	No	3
G672.11	hypertensive crisis	Yes	Yes	Yes	No	No	No	No	No	3
662..12	hypertension monitoring	Yes	No	No	No	No	No	Yes	No	2
6629	hypertension:follow-up default	Yes	No	No	No	No	No	Yes	No	2
662P.00	hypertension monitoring	Yes	No	No	No	No	No	Yes	No	2
662P000	hypertension 9 month review	Yes	No	No	No	No	No	Yes	No	2
662q.00	trial reduction of antihypertensive therapy	Yes	No	No	No	No	No	Yes	No	2
67H8.00	lifestyle advice regarding hypertension	Yes	No	No	No	No	No	Yes	No	2
7Q01y00	other specified high cost hypertension drugs	Yes	No	No	No	No	No	Yes	No	2
8CR4.00	hypertension clinical management plan	Yes	No	No	No	No	No	Yes	No	2
8HT5.00	referral to hypertension clinic	Yes	No	No	No	No	No	Yes	No	2
9N1y200	seen in hypertension clinic	Yes	No	No	No	No	No	Yes	No	2
9OI..00	hypertension monitoring admin.	Yes	No	No	No	No	No	Yes	No	2
9OI..11	hypertension clinic admin.	Yes	No	No	No	No	No	Yes	No	2
9OIA.11	hypertension monitored	Yes	No	No	No	No	No	Yes	No	2
G20..11	high blood pressure	Yes	No	No	No	No	No	No	Yes	2
G20..12	primary hypertension	Yes	No	No	No	No	No	Yes	No	2
G25..00	stage 1 hypertension (nice - nat ins for hth clin excl 2011)	Yes	No	No	No	No	No	Yes	No	2
G25..11	stage 1 hypertension	Yes	No	No	No	No	No	Yes	No	2
G26..00	severe hypertension (nat inst for health clinical ex 2011)	Yes	No	No	No	No	No	Yes	No	2
G26..11	severe hypertension	Yes	No	No	No	No	No	Yes	No	2
G27..00	hypertension resistant to drug therapy	Yes	No	No	No	No	No	Yes	No	2
G28..00	stage 2 hypertension (nice - nat ins for hth clin excl 2011)	Yes	No	No	No	No	No	Yes	No	2
L120.00	benign essential hypertension in pregnancy/childbirth/puerp	No	No	No	No	Yes	Yes	No	No	2
L120000	benign essential hypertension in preg/childb/puerp unspec	No	No	No	No	Yes	Yes	No	No	2
L120100	benign essential hypertension in preg/childb/puerp - deliv	No	No	No	No	Yes	Yes	No	No	2
L120300	benign essential hypertension in preg/childb/puerp-not deliv	No	No	No	No	Yes	Yes	No	No	2
L120400	benign essential hypertension in preg/childb/puerp +p/n comp	No	No	No	No	Yes	Yes	No	No	2
L120z00	benign essential hypertension in preg/childb/puerp nos	No	No	No	No	Yes	Yes	No	No	2
L121.00	renal hypertension in pregnancy/childbirth/puerperium	No	No	No	No	Yes	Yes	No	No	2
L121000	renal hypertension in pregnancy/childbirth/puerp unspecified	No	No	No	No	Yes	Yes	No	No	2
L121100	renal hypertension in pregnancy/childbirth/puerp - delivered	No	No	No	No	Yes	Yes	No	No	2
L121300	renal hypertension in preg/childbirth/puerp - not delivered	No	No	No	No	Yes	Yes	No	No	2
L121z00	renal hypertension in pregnancy/childbirth/puerperium nos	No	No	No	No	Yes	Yes	No	No	2

1JD..00	suspected hypertension	Yes	No	No	No	No	No	No	No	1
246M.00	white coat hypertension	Yes	No	No	No	No	No	No	No	1
661M600	hypertension self-management plan agreed	No	No	No	No	No	No	Yes	No	1
662H.00	hypertension treatm.stopped	Yes	No	No	No	No	No	No	No	1
8IA5.00	trial withdrawal of antihypertensive therapy declined	No	No	No	No	No	No	Yes	No	1
9N03.00	seen in hypertension clinic	Yes	No	No	No	No	No	No	No	1
9N4L.00	dna - did not attend hypertension clinic	Yes	No	No	No	No	No	No	No	1
9OI1.00	attends hypertension monitor.	Yes	No	No	No	No	No	No	No	1
9OI2.00	refuses hypertension monitor.	Yes	No	No	No	No	No	No	No	1
9OI3.00	hyperten.monitor offer default	Yes	No	No	No	No	No	No	No	1
9OI4.00	hypertens.monitor.1st letter	Yes	No	No	No	No	No	No	No	1
9OI5.00	hypertens.monitor 2nd letter	Yes	No	No	No	No	No	No	No	1
9OI6.00	hypertens.monitor 3rd letter	Yes	No	No	No	No	No	No	No	1
9OI7.00	hypertens.monitor verbal inv.	Yes	No	No	No	No	No	No	No	1
9OI8.00	hypertens.monitor phone invite	Yes	No	No	No	No	No	No	No	1
9OIA.00	hypertension monitor.chk done	Yes	No	No	No	No	No	No	No	1
9OIZ.00	hypertens.monitoring admin.nos	Yes	No	No	No	No	No	No	No	1
9h3..00	exception reporting: hypertension quality indicators	Yes	No	No	No	No	No	No	No	1
9h31.00	excepted from hypertension qual indicators: patient unsuit	Yes	No	No	No	No	No	No	No	1
9h32.00	excepted from hypertension qual indicators: informed dissent	Yes	No	No	No	No	No	No	No	1
G211z00	benign hypertensive heart disease nos	Yes	No	No	No	No	No	No	No	1
G22..11	nephrosclerosis	Yes	No	No	No	No	No	No	No	1
G2...00	hypertensive disease	No	No	No	Yes	No	No	No	No	1

Table S7a: Obesity codelists summary

Codelist	N Read codes	Link	Reference
OBESE1	70	https://phenotypes.healthdatagateway.org/phenotypes/PH221/version/442/detail/	Kuan V, Denaxas S, Gonzalez-Izquierdo A, Direk K, Bhatti O, Husain S, Sutaria S, Hingorani M, Nitsch D, Parisinos C, Lumbers T, Mathur R, Sofat R, Casas JP, Wong I, Hemingway H, Hingorani A. PH221 / 442 - Obesity. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH221/version/442/detail/. [Accessed 21 January 2025]
OBESE2	52	https://phenotypes.healthdatagateway.org/phenotypes/PH1088/version/2379/detail/	David Metcalfe, James Masters, Antonella Delmestri, Andrew Judge, Daniel Perry, Cheryl Zogg, Belinda Gabbe, Matthew Costa. PH1088 / 2379 - Obesity - Elixhauser primary care. Phenotype Library [Online]. 13 February 2023. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH1088/version/2379/detail/. [Accessed 21 January 2025]
OBESE3	28	https://phenotypes.healthdatagateway.org/phenotypes/PH976/version/2154/detail/	Rochelle Knight, Venexia Walker, Samantha Ip, Jennifer A Cooper, Thomas Bolton, Spencer Keene, Rachel Denholm, Ashley Akbari, Hoda Abbasizanjani, Fatemeh Torabi, Efosa Omigie, Sam Hollings, Teri-Louise North, Renin Toms, Emanuele Di Angelantonio, Spiros Denaxas, Johan H Thygesen, Christopher Tomlinson, Ben Bray, Craig J Smith, Mark Barber, George Davey Smith, Nishi Chaturvedi, Cathie Sudlow, William N Whiteley, Angela Wood, Jonathan A C Sterne. PH976 / 2154 - CCU002_01 Obesity. Phenotype Library [Online]. 17 May 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH976/version/2154/detail/. [Accessed 21 January 2025]
OBESE4	21	https://phenotypes.healthdatagateway.org/phenotypes/PH929/version/1937/detail/	Alison K Wright, Evangelos Kontopantelis, Richard Emsley, Ian Buchan, Mamas A Mamas, Naveed Sattar, Darren M Ashcroft, Martin M Rutter. PH929 / 1937 - Obesity. Phenotype Library [Online]. 04 April 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH929/version/1937/detail/. [Accessed 21 January 2025]

Table S7b: Obesity codelists

Concept ID (Concept version ID): C1314 (3767)
 Concept name Obesity - Primary care
 Phenotype ID (Phenotype version ID): PH221 (442)
 Phenotype name: Obesity

condition	ref	Read code	description
Obesity	OBESE1	1444.00	H/O: obesity
Obesity	OBESE1	7633.00	Bypass of jejunum
Obesity	OBESE1	7611400	Sleeve gastrectomy and duodenal switch
Obesity	OBESE1	7611500	Sleeve gastrectomy NEC
Obesity	OBESE1	7611600	Laparoscopic sleeve gastrectomy
Obesity	OBESE1	7613100	Partitioning of stomach
Obesity	OBESE1	7613111	Mason vertical banded gastroplasty
Obesity	OBESE1	7613200	Laparoscopic adjustable gastric banding
Obesity	OBESE1	7613300	Partitioning of stomach using band
Obesity	OBESE1	7613400	Partitioning of stomach using staples
Obesity	OBESE1	7613500	Partitioning of stomach NEC
Obesity	OBESE1	7613600	Maintenance of gastric band
Obesity	OBESE1	7614100	Bypass of stomach by anastomosis of stomach to duodenum
Obesity	OBESE1	7615000	Bypass stomach by anastomosis stomach to transposed jejunum
Obesity	OBESE1	7616000	Bypass of stomach by anastomosis of stomach to jejunum NEC
Obesity	OBESE1	7616013	Mason high gastric bypass
Obesity	OBESE1	7616015	Printer high gastric bypass
Obesity	OBESE1	7616600	Laparoscopic gastric bypass
Obesity	OBESE1	7633000	Bypass of jejunum by anastomosis of jejunum to jejunum
Obesity	OBESE1	7633100	Bypass of jejunum by anastomosis of jejunum to ileum
Obesity	OBESE1	7633200	Bypass of jejunum by anastomosis of jejunum to colon
Obesity	OBESE1	7642500	Duodenal switch
Obesity	OBESE1	212Q.00	Obesity resolved
Obesity	OBESE1	222A.00	O/E - obese
Obesity	OBESE1	22A5.11	O/E - obese
Obesity	OBESE1	22K5.00	Body mass index 30+ - obesity
Obesity	OBESE1	22K7.00	Body mass index 40+ - severely obese
Obesity	OBESE1	66C..00	Obesity monitoring
Obesity	OBESE1	66C1.00	Initial obesity assessment
Obesity	OBESE1	66C2.00	Follow-up obesity assessment
Obesity	OBESE1	66C4.00	Has seen dietician - obesity
Obesity	OBESE1	66C5.00	Treatment of obesity changed
Obesity	OBESE1	66C6.00	Treatment of obesity started
Obesity	OBESE1	66CE.00	Reason for obesity therapy - occupational
Obesity	OBESE1	66CZ.00	Obesity monitoring NOS
Obesity	OBESE1	761A500	Removal of gastric band
Obesity	OBESE1	7633y00	Other specified bypass of jejunum
Obesity	OBESE1	7633z00	Bypass of jejunum NOS
Obesity	OBESE1	9OK..00	Obesity monitoring admin.
Obesity	OBESE1	9OK..11	Obesity clinic administration
Obesity	OBESE1	9OK1.00	Attends obesity monitoring

Obesity	OBESE1	9OK2.00	Refuses obesity monitoring
Obesity	OBESE1	9OK3.00	Obesity monitoring default
Obesity	OBESE1	9OK4.00	Obesity monitoring 1st letter
Obesity	OBESE1	9OK5.00	Obesity monitoring 2nd letter
Obesity	OBESE1	9OK6.00	Obesity monitoring 3rd letter
Obesity	OBESE1	9OK7.00	Obesity monitoring verbal inv.
Obesity	OBESE1	9OK8.00	Obesity monitor phone invite
Obesity	OBESE1	9OKA.00	Obesity monitoring check done
Obesity	OBESE1	9OKZ.00	Obesity monitoring admin.NOS
Obesity	OBESE1	C38..00	Obesity and other hyperalimentation
Obesity	OBESE1	C380.00	Obesity
Obesity	OBESE1	C380000	Obesity due to excess calories
Obesity	OBESE1	C380100	Drug-induced obesity
Obesity	OBESE1	C380200	Extreme obesity with alveolar hypoventilation
Obesity	OBESE1	C380300	Morbid obesity
Obesity	OBESE1	C380400	Central obesity
Obesity	OBESE1	C380500	Generalised obesity
Obesity	OBESE1	C380600	Adult-onset obesity
Obesity	OBESE1	C380700	Lifelong obesity
Obesity	OBESE1	C38y.11	Pickwickian syndrome
Obesity	OBESE1	C38y000	Pickwickian syndrome
Obesity	OBESE1	C38y011	Obesity hypoventilation syndrome
Obesity	OBESE1	C38z.00	Obesity and other hyperalimentation NOS
Obesity	OBESE1	C38z000	Simple obesity NOS
Obesity	OBESE1	Cyu7.00	[X]Obesity and other hyperalimentation
Obesity	OBESE1	Cyu7000	[X]Other obesity
Obesity	OBESE1	ZC2CM00	Dietary advice for obesity
Obesity	OBESE1	ZV45P00	[V]Presence of gastric bypass
Obesity	OBESE1	ZV65319	[V]Dietary counselling in obesity

Concept ID (Concept version ID): C3356 (10249)
 Concept name Obesity Read codes - Elixhauser
 Phenotype ID (Phenotype version ID): PH1088 (2379)
 Phenotype name: Obesity - Elixhauser primary care

condition	ref	Read code	description
Obesity	OBESE2	1444.00	H/O: obesity
Obesity	OBESE2	22A4.11	O/E - overweight
Obesity	OBESE2	22AA.00	Overweight
Obesity	OBESE2	22K2.00	Body Mass Index high K/M2
Obesity	OBESE2	22K4.00	Body mass index index 25-29 - overweight
Obesity	OBESE2	22K5.00	Body mass index 30+ - obesity
Obesity	OBESE2	22K7.00	Body mass index 40+ - severely obese
Obesity	OBESE2	66C..00	Obesity monitoring
Obesity	OBESE2	66C1.00	Initial obesity assessment
Obesity	OBESE2	66C2.00	Follow-up obesity assessment
Obesity	OBESE2	66C4.00	Has seen dietician - obesity
Obesity	OBESE2	66C5.00	Treatment of obesity changed
Obesity	OBESE2	66C6.00	Treatment of obesity started
Obesity	OBESE2	66C7.00	Treatment of obesity stopped
Obesity	OBESE2	66CE.00	Reason for obesity therapy - occupational
Obesity	OBESE2	66CN.00	Risk health associated overweight and obesity, at high risk
Obesity	OBESE2	66CP.00	Risk health associ overweight and obesity, at very high risk
Obesity	OBESE2	66CS.00	Inter risk hlth overwght obesity adv diet phys act cons drug
Obesity	OBESE2	66CZ.00	Obesity monitoring NOS
Obesity	OBESE2	9hN0.00	Excepted from obesity quality indicators: patient unsuitable
Obesity	OBESE2	9hN1.00	Excepted from obesity quality indicators: informed dissent
Obesity	OBESE2	9OK..00	Obesity monitoring admin.
Obesity	OBESE2	9OK...11	Obesity clinic administration
Obesity	OBESE2	9OK1.00	Attends obesity monitoring
Obesity	OBESE2	9OK2.00	Refuses obesity monitoring
Obesity	OBESE2	9OK3.00	Obesity monitoring default
Obesity	OBESE2	9OK4.00	Obesity monitoring 1st letter
Obesity	OBESE2	9OK5.00	Obesity monitoring 2nd letter
Obesity	OBESE2	9OK6.00	Obesity monitoring 3rd letter
Obesity	OBESE2	9OK7.00	Obesity monitoring verbal inv.
Obesity	OBESE2	9OK8.00	Obesity monitor phone invite
Obesity	OBESE2	9OKA.00	Obesity monitoring check done
Obesity	OBESE2	9OKZ.00	Obesity monitoring admin.NOS
Obesity	OBESE2	C38..00	Obesity and other hyperalimentation
Obesity	OBESE2	C380.00	Obesity
Obesity	OBESE2	C380000	Obesity due to excess calories
Obesity	OBESE2	C380100	Drug-induced obesity
Obesity	OBESE2	C380200	Extreme obesity with alveolar hypoventilation
Obesity	OBESE2	C380300	Morbid obesity
Obesity	OBESE2	C380400	Central obesity
Obesity	OBESE2	C380500	Generalised obesity
Obesity	OBESE2	C380600	Adult-onset obesity
Obesity	OBESE2	C380700	Lifelong obesity

Obesity	OBESE2	C380800	Childhood obesity
Obesity	OBESE2	C38y011	Obesity hypoventilation syndrome
Obesity	OBESE2	C38z.00	Obesity and other hyperalimentation NOS
Obesity	OBESE2	C38z000	Simple obesity NOS
Obesity	OBESE2	Cyu7.00	[X]Obesity and other hyperalimentation
Obesity	OBESE2	Cyu7000	[X]Other obesity
Obesity	OBESE2	L161.12	Maternal obesity syndrome
Obesity	OBESE2	ZC2CM00	Dietary advice for obesity
Obesity	OBESE2	ZV65319	[V]Dietary counselling in obesity

Concept ID (Concept version ID): C2810 (7331)
 Concept name CCU002_01 Obesity - Phenotypes - Wales primary care EHR: Obesity
 Phenotype ID (Phenotype version ID): PH976 (2154)
 Phenotype name: CCU002_01 Obesity

condition	ref	Read code	description
Obesity	OBESE3	222A.00	O/E - obese
Obesity	OBESE3	22A5.00	O/E - obese
Obesity	OBESE3	22K..00	Body Mass Index
Obesity	OBESE3	22K5.00	Body mass index 30+ - obesity
Obesity	OBESE3	22K7.00	Body mass index 40+ - severely obese
Obesity	OBESE3	66C1.00	Initial obesity assessment
Obesity	OBESE3	66C4.00	Has seen dietician - obesity
Obesity	OBESE3	66C5.00	Treatment of obesity changed
Obesity	OBESE3	66C6.00	Treatment of obesity started
Obesity	OBESE3	66CE.00	Reason for obesity therapy - occupational
Obesity	OBESE3	C38..00	Obesity and other hyperalimentation
Obesity	OBESE3	C380.00	Obesity
Obesity	OBESE3	C380000	Obesity due to excess calories
Obesity	OBESE3	C380100	Drug-induced obesity
Obesity	OBESE3	C380200	Extreme obesity with alveolar hypoventilation
Obesity	OBESE3	C380300	Morbid obesity
Obesity	OBESE3	C380400	Central obesity
Obesity	OBESE3	C380500	Generalised obesity
Obesity	OBESE3	C380600	Adult-onset obesity
Obesity	OBESE3	C380700	Lifelong obesity
Obesity	OBESE3	C38y.00	Pickwickian syndrome
Obesity	OBESE3	C38y000	Pickwickian syndrome
Obesity	OBESE3	C38z.00	Obesity and other hyperalimentation NOS
Obesity	OBESE3	C38z000	Simple obesity NOS
Obesity	OBESE3	Cyu7.00	[X]Obesity and other hyperalimentation
Obesity	OBESE3	Cyu7000	[X]Other obesity
Obesity	OBESE3	ZC2CM00	Dietary advice for obesity
Obesity	OBESE3	ZV65300	[V]Dietary counselling in obesity

Concept ID (Concept version ID): C2705 (6823)
 Concept name Obesity - Primary Care
 Phenotype ID (Phenotype version ID): PH929 (1937)
 Phenotype name: Obesity

condition	ref	Read code	description
Obesity	OBESE4	22A5.11	O/E - obese
Obesity	OBESE4	22K5.00	Body mass index 30+ - obesity
Obesity	OBESE4	22K7.00	Body mass index 40+ - severely obese
Obesity	OBESE4	22KC.00	Obese class I (body mass index 30.0 - 34.9)
Obesity	OBESE4	22KD.00	Obese class II (body mass index 35.0 - 39.9)
Obesity	OBESE4	22KE.00	Obese class III (BMI equal to or greater than 40.0)
Obesity	OBESE4	66C4.00	Has seen dietician - obesity
Obesity	OBESE4	66C5.00	Treatment of obesity changed
Obesity	OBESE4	66C6.00	Treatment of obesity started
Obesity	OBESE4	8CV7.00	Anti-obesity drug therapy commenced
Obesity	OBESE4	C38..00	Obesity and other hyperalimentation
Obesity	OBESE4	C380.00	Obesity
Obesity	OBESE4	C380200	Extreme obesity with alveolar hypoventilation
Obesity	OBESE4	C380300	Morbid obesity
Obesity	OBESE4	C380400	Central obesity
Obesity	OBESE4	C380500	Generalised obesity
Obesity	OBESE4	C38y011	Obesity hypoventilation syndrome
Obesity	OBESE4	C38z000	Simple obesity NOS
Obesity	OBESE4	Cyu7.00	[X]Obesity and other hyperalimentation
Obesity	OBESE4	Cyu7000	[X]Other obesity
Obesity	OBESE4	ZC2CM00	Dietary advice for obesity

Table S7c: Obesity Read codes present in codelists (90 distinct Read codes)

Code	Description	Present in the codelist				Total codelists present in
		OBESE1	OBESE2	OBESE3	OBESE4	
22K5.00	body mass index 30+ - obesity	Yes	Yes	Yes	Yes	4
22K7.00	body mass index 40+ - severely obese	Yes	Yes	Yes	Yes	4
66C4.00	has seen dietician – obesity	Yes	Yes	Yes	Yes	4
66C5.00	treatment of obesity changed	Yes	Yes	Yes	Yes	4
66C6.00	treatment of obesity started	Yes	Yes	Yes	Yes	4
C38..00	obesity and other hyperalimentation	Yes	Yes	Yes	Yes	4
C380.00	obesity	Yes	Yes	Yes	Yes	4
C380200	extreme obesity with alveolar hypoventilation	Yes	Yes	Yes	Yes	4
C380300	morbid obesity	Yes	Yes	Yes	Yes	4
C380400	central obesity	Yes	Yes	Yes	Yes	4
C380500	generalised obesity	Yes	Yes	Yes	Yes	4
C38z000	simple obesity nos	Yes	Yes	Yes	Yes	4
Cyu7.00	[x]obesity and other hyperalimentation	Yes	Yes	Yes	Yes	4
Cyu7000	[x]other obesity	Yes	Yes	Yes	Yes	4
ZC2CM00	dietary advice for obesity	Yes	Yes	Yes	Yes	4
66C1.00	initial obesity assessment	Yes	Yes	Yes	No	3
66CE.00	reason for obesity therapy - occupational	Yes	Yes	Yes	No	3
C380000	obesity due to excess calories	Yes	Yes	Yes	No	3
C380100	drug-induced obesity	Yes	Yes	Yes	No	3
C380600	adult-onset obesity	Yes	Yes	Yes	No	3
C380700	lifelong obesity	Yes	Yes	Yes	No	3
C38y011	obesity hypoventilation syndrome	Yes	Yes	No	Yes	3
C38z.00	obesity and other hyperalimentation nos	Yes	Yes	Yes	No	3
1444	h/o: obesity	Yes	Yes	No	No	2
222A.00	o/e - obese	Yes	No	Yes	No	2
22A5.11	o/e - obese	Yes	No	No	Yes	2
66C..00	obesity monitoring	Yes	Yes	No	No	2
66C2.00	follow-up obesity assessment	Yes	Yes	No	No	2
66CZ.00	obesity monitoring nos	Yes	Yes	No	No	2
9OK..00	obesity monitoring admin.	Yes	Yes	No	No	2
9OK..11	obesity clinic administration	Yes	Yes	No	No	2
9OK1.00	attends obesity monitoring	Yes	Yes	No	No	2
9OK2.00	refuses obesity monitoring	Yes	Yes	No	No	2
9OK3.00	obesity monitoring default	Yes	Yes	No	No	2
9OK4.00	obesity monitoring 1st letter	Yes	Yes	No	No	2
9OK5.00	obesity monitoring 2nd letter	Yes	Yes	No	No	2
9OK6.00	obesity monitoring 3rd letter	Yes	Yes	No	No	2
9OK7.00	obesity monitoring verbal inv.	Yes	Yes	No	No	2

90K8.00	obesity monitor phone invite	Yes	Yes	No	No	2
90KA.00	obesity monitoring check done	Yes	Yes	No	No	2
90KZ.00	obesity monitoring admin.nos	Yes	Yes	No	No	2
C38y000	pickwickian syndrome	Yes	No	Yes	No	2
ZV65319	[v]dietary counselling in obesity	Yes	Yes	No	No	2
212Q.00	obesity resolved	Yes	No	No	No	1
22A4.11	o/e - overweight	No	Yes	No	No	1
22A5.00	o/e - obese	No	No	Yes	No	1
22AA.00	overweight	No	Yes	No	No	1
22K..00	body mass index	No	No	Yes	No	1
22K2.00	body mass index high k/m2	No	Yes	No	No	1
22K4.00	body mass index index 25-29 - overweight	No	Yes	No	No	1
22KC.00	obese class i (body mass index 30.0 - 34.9)	No	No	No	Yes	1
22KD.00	obese class ii (body mass index 35.0 - 39.9)	No	No	No	Yes	1
22KE.00	obese class iii (bmi equal to or greater than 40.0)	No	No	No	Yes	1
66C7.00	treatment of obesity stopped	No	Yes	No	No	1
66CN.00	risk health associated overweight and obesity, at high risk	No	Yes	No	No	1
66CP.00	risk health associ overweight and obesity, at very high risk	No	Yes	No	No	1
66CS.00	inter risk hlth overwght obesity adv diet phys act cons drug	No	Yes	No	No	1
7611400	sleeve gastrectomy and duodenal switch	Yes	No	No	No	1
7611500	sleeve gastrectomy nec	Yes	No	No	No	1
7611600	laparoscopic sleeve gastrectomy	Yes	No	No	No	1
7613100	partitioning of stomach	Yes	No	No	No	1
7613111	mason vertical banded gastroplasty	Yes	No	No	No	1
7613200	laparoscopic adjustable gastric banding	Yes	No	No	No	1
7613300	partitioning of stomach using band	Yes	No	No	No	1
7613400	partitioning of stomach using staples	Yes	No	No	No	1
7613500	partitioning of stomach nec	Yes	No	No	No	1
7613600	maintenance of gastric band	Yes	No	No	No	1
7614100	bypass of stomach by anastomosis of stomach to duodenum	Yes	No	No	No	1
7615000	bypass stomach by anastomosis stomach to transposed jejunum	Yes	No	No	No	1
7616000	bypass of stomach by anastomosis of stomach to jejunum nec	Yes	No	No	No	1
7616013	mason high gastric bypass	Yes	No	No	No	1
7616015	printer high gastric bypass	Yes	No	No	No	1
7616600	laparoscopic gastric bypass	Yes	No	No	No	1
761A500	removal of gastric band	Yes	No	No	No	1
7633	bypass of jejunum	Yes	No	No	No	1
7633000	bypass of jejunum by anastomosis of jejunum to jejunum	Yes	No	No	No	1
7633100	bypass of jejunum by anastomosis of jejunum to ileum	Yes	No	No	No	1
7633200	bypass of jejunum by anastomosis of jejunum to colon	Yes	No	No	No	1
7633y00	other specified bypass of jejunum	Yes	No	No	No	1
7633z00	bypass of jejunum nos	Yes	No	No	No	1

7642500	duodenal switch	Yes	No	No	No	1
8CV7.00	anti-obesity drug therapy commenced	No	No	No	Yes	1
9hN0.00	excepted from obesity quality indicators: patient unsuitable	No	Yes	No	No	1
9hN1.00	excepted from obesity quality indicators: informed dissent	No	Yes	No	No	1
C380800	childhood obesity	No	Yes	No	No	1
C38y.00	pickwickian syndrome	No	No	Yes	No	1
C38y.11	pickwickian syndrome	Yes	No	No	No	1
L161.12	maternal obesity syndrome	No	Yes	No	No	1
ZV45P00	[v]presence of gastric bypass	Yes	No	No	No	1
ZV65300	[v]dietary counselling in obesity	No	No	Yes	No	1

Table S8a: Type 2 Diabetes codelists summary

Codelist	N Read codes	Link	Reference
T2DIAB1	645	https://phenotypes.healthdatagateway.org/phenotypes/PH913/version/1905/detail/	Lauren L Rodgers, Michael N Weedon, William E Henley, Andrew T Hattersley, Beverley M Shields. PH913 / 1905 - Type 2 Diabetes (Diagnostic Codes). Phenotype Library [Online]. 04 April 2022. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH913/version/1905/detail/ . [Accessed 15 January 2025]
T2DIAB2	105	https://phenotypes.healthdatagateway.org/phenotypes/PH718/version/1436/detail/	Alison K Wright, Evangelos Kontopantelis, Richard Emsley, Iain Buchan, Naveed Sattar, Martin K Rutter, Darren M. Ashcroft. PH718 / 1436 - Type 2 Diabetes. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH718/version/1436/detail/ . [Accessed 15 January 2025]
T2DIAB3	102	https://phenotypes.healthdatagateway.org/phenotypes/PH569/version/1138/detail/	Evangelos Kontopantelis, David A Springate, David Reeves, Darren M. Aschroff, Martin Rutter, Iain Buchan, Tim Doran, Matthias Pierce, Darren M. Ashcroft. PH569 / 1138 - Type 2 Diabetes. Phenotype Library [Online]. 06 October 2021. Available from: http://phenotypes.healthdatagateway.org/phenotypes/PH569/version/1138/detail/ . [Accessed 15 January 2025]

Table S8b: Type 2 Diabetes codelists

Concept ID (Concept version ID): C2688 (6789)
 Concept name Type 2 Diabetes (Diagnostic Codes) - Primary Care
 Phenotype ID (Phenotype version ID): PH913 (1905)
 Phenotype name: Type 2 Diabetes (Diagnostic Codes)

Condition	ref	Read code	description
Type2Diabetes	T2DIAB1	1154200	No significant family history of diabetes
Type2Diabetes	T2DIAB1	1252000	Family history of diabetes mellitus type 1
Type2Diabetes	T2DIAB1	1252100	Family history of diabetes mellitus type 2
Type2Diabetes	T2DIAB1	1252111	Family history of diabetes mellitus type II
Type2Diabetes	T2DIAB1	2126300	Diabetes resolved
Type2Diabetes	T2DIAB1	1228.00	No family history diabetes
Type2Diabetes	T2DIAB1	1252.00	FH: Diabetes mellitus
Type2Diabetes	T2DIAB1	1253.00	FH: Diabetes mellitus in first degree relative
Type2Diabetes	T2DIAB1	12G2.00	FH: Diabetes in pregnancy
Type2Diabetes	T2DIAB1	13AB.00	Diabetic lipid lowering diet
Type2Diabetes	T2DIAB1	13AC.00	Diabetic weight reducing diet
Type2Diabetes	T2DIAB1	13B1.00	Diabetic diet
Type2Diabetes	T2DIAB1	13B1000	Diabetic carbohydrate counting diet
Type2Diabetes	T2DIAB1	13L4.11	Diabetic child
Type2Diabetes	T2DIAB1	13LZ.11	Diabetic relative
Type2Diabetes	T2DIAB1	13Y1.00	Diabetic association member
Type2Diabetes	T2DIAB1	1434.00	H/O: diabetes mellitus
Type2Diabetes	T2DIAB1	14F4.00	H/O: Admission in last year for diabetes foot prob
Type2Diabetes	T2DIAB1	14O8.00	At risk of diabetes mellitus
Type2Diabetes	T2DIAB1	14O8000	High risk of diabetes mellitus
Type2Diabetes	T2DIAB1	1I0..00	Diabetes mellitus excluded
Type2Diabetes	T2DIAB1	1IA..00	No evidence of diabetic nephropathy
Type2Diabetes	T2DIAB1	1JL..00	Suspected diabetes mellitus
Type2Diabetes	T2DIAB1	1M8..00	Diabetic peripheral neuropathic pain
Type2Diabetes	T2DIAB1	212H.00	Diabetes resolved
Type2Diabetes	T2DIAB1	2BBF.00	Retinal abnormality - diabetes related
Type2Diabetes	T2DIAB1	2BBG.00	Retinal abnormality - non-diabetes
Type2Diabetes	T2DIAB1	2BBJ.00	O/E - no right diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBK.00	O/E - no left diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBk.00	O/E - right eye stable treated proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBl.00	O/E - left eye stable treated proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBL.00	O/E - diabetic maculopathy present both eyes
Type2Diabetes	T2DIAB1	2BBM.00	O/E - diabetic maculopathy absent both eyes
Type2Diabetes	T2DIAB1	2BBo.00	O/E - sight threatening diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBP.00	O/E - right eye background diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBQ.00	O/E - left eye background diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBr.00	Impaired vision due to diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBR.00	O/E - right eye preproliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBS.00	O/E - left eye preproliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBT.00	O/E - right eye proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	2BBV.00	O/E - left eye proliferative diabetic retinopathy

Type2Diabetes	T2DIAB1	2BBW.00	O/E - right eye diabetic maculopathy
Type2Diabetes	T2DIAB1	2BBX.00	O/E - left eye diabetic maculopathy
Type2Diabetes	T2DIAB1	2G51000	Foot abnormality - diabetes related
Type2Diabetes	T2DIAB1	2G51100	Foot abnormality - non-diabetes
Type2Diabetes	T2DIAB1	2G5A.00	O/E - Right diabetic foot at risk
Type2Diabetes	T2DIAB1	2G5B.00	O/E - Left diabetic foot at risk
Type2Diabetes	T2DIAB1	2G5C.00	Foot abnormality - diabetes related
Type2Diabetes	T2DIAB1	2G5d.00	O/E - Left diabetic foot at increased risk
Type2Diabetes	T2DIAB1	2G5D.00	Foot abnormality - non-diabetes
Type2Diabetes	T2DIAB1	2G5e.00	O/E - Right diabetic foot at increased risk
Type2Diabetes	T2DIAB1	2G5E.00	O/E - Right diabetic foot at low risk
Type2Diabetes	T2DIAB1	2G5F.00	O/E - Right diabetic foot at moderate risk
Type2Diabetes	T2DIAB1	2G5G.00	O/E - Right diabetic foot at high risk
Type2Diabetes	T2DIAB1	2G5H.00	O/E - Right diabetic foot – ulcerated
Type2Diabetes	T2DIAB1	2G5I.00	O/E - Left diabetic foot at low risk
Type2Diabetes	T2DIAB1	2G5J.00	O/E - Left diabetic foot at moderate risk
Type2Diabetes	T2DIAB1	2G5K.00	O/E - Left diabetic foot at high risk
Type2Diabetes	T2DIAB1	2G5L.00	O/E - Left diabetic foot – ulcerated
Type2Diabetes	T2DIAB1	2G5V.00	O/E - right chronic diabetic foot ulcer
Type2Diabetes	T2DIAB1	2G5W.00	O/E - left chronic diabetic foot ulcer
Type2Diabetes	T2DIAB1	3881.00	Education score – diabetes
Type2Diabetes	T2DIAB1	3882.00	Diabetes well being questionnaire
Type2Diabetes	T2DIAB1	3883.00	Diabetes treatment satisfaction questionnaire
Type2Diabetes	T2DIAB1	38DE.00	Cong heart fail, hypertension, age, diabetes, stroke 2 risk score
Type2Diabetes	T2DIAB1	38DK.00	Finnish diabetes risk score
Type2Diabetes	T2DIAB1	38DM.00	Age, blood pressure, clinical features, duration, diabetes 2 stroke risk score
Type2Diabetes	T2DIAB1	38Gj.00	QDiabetes risk calculator
Type2Diabetes	T2DIAB1	38Gv.00	Diabetes UK diabetes risk score
Type2Diabetes	T2DIAB1	42c..00	HbA1 - diabetic control
Type2Diabetes	T2DIAB1	42W..00	Hb. A1C - diabetic control
Type2Diabetes	T2DIAB1	42WZ.00	Hb. A1C - diabetic control NOS
Type2Diabetes	T2DIAB1	44V3.00	Glucose tol. test diabetic
Type2Diabetes	T2DIAB1	46Z0.00	Urine screening test for diabetes
Type2Diabetes	T2DIAB1	661M400	Diabetes self-management plan agreed
Type2Diabetes	T2DIAB1	661N400	Diabetes self-management plan review
Type2Diabetes	T2DIAB1	66A..00	Diabetic monitoring
Type2Diabetes	T2DIAB1	66A1.00	Initial diabetic assessment
Type2Diabetes	T2DIAB1	66A2.00	Follow-up diabetic assessment
Type2Diabetes	T2DIAB1	66A3.00	Diabetic on diet only
Type2Diabetes	T2DIAB1	66A4.00	Diabetic on oral treatment
Type2Diabetes	T2DIAB1	66A5.00	Diabetic on insulin
Type2Diabetes	T2DIAB1	66A8.00	Has seen dietician – diabetes
Type2Diabetes	T2DIAB1	66A9.00	Understands diet – diabetes
Type2Diabetes	T2DIAB1	66Aa.00	Diabetic diet - poor compliance
Type2Diabetes	T2DIAB1	66AA.11	Injection sites – diabetic
Type2Diabetes	T2DIAB1	66Ab.00	Diabetic foot examination
Type2Diabetes	T2DIAB1	66Ac.00	Diabetic peripheral neuropathy screening
Type2Diabetes	T2DIAB1	66AD.00	Fundoscopy - diabetic check

Type2Diabetes	T2DIAB1	66Af.00	Patient diabetes education review
Type2Diabetes	T2DIAB1	66AG.00	Diabetic drug side effects
Type2Diabetes	T2DIAB1	66AH.00	Diabetic treatment changed
Type2Diabetes	T2DIAB1	66AH200	Conversion to insulin by diabetes specialist nurse
Type2Diabetes	T2DIAB1	66Ai.00	Diabetic - good control
Type2Diabetes	T2DIAB1	66Ai.00	Diabetic 6 month review
Type2Diabetes	T2DIAB1	66AJ.00	Diabetic - poor control
Type2Diabetes	T2DIAB1	66AJ.11	Unstable diabetes
Type2Diabetes	T2DIAB1	66AJ100	Brittle diabetes
Type2Diabetes	T2DIAB1	66Ajz00	Diabetic - poor control NOS
Type2Diabetes	T2DIAB1	66Ak.00	Diabetic monitoring - lower risk albumin excretion
Type2Diabetes	T2DIAB1	66AK.00	Diabetic - cooperative patient
Type2Diabetes	T2DIAB1	66AL.00	Diabetic-uncooperative patient
Type2Diabetes	T2DIAB1	66Al.00	Diabetic monitoring - higher risk albumin excretion
Type2Diabetes	T2DIAB1	66AM.00	Diabetic - follow-up default
Type2Diabetes	T2DIAB1	66An.00	Diabetes type 1 review
Type2Diabetes	T2DIAB1	66AN.00	Date diabetic treatment start
Type2Diabetes	T2DIAB1	66AO.00	Date diabetic treatment stopped
Type2Diabetes	T2DIAB1	66Ao.00	Diabetes type 2 review
Type2Diabetes	T2DIAB1	66AP.00	Diabetes: practice programme
Type2Diabetes	T2DIAB1	66AQ.00	Diabetes: shared care programme
Type2Diabetes	T2DIAB1	66Aq.00	Diabetic foot screen
Type2Diabetes	T2DIAB1	66AQ000	Unsuitable for diabetes year of care programme
Type2Diabetes	T2DIAB1	66AQ100	Declined consent for diabetes year of care program
Type2Diabetes	T2DIAB1	66AR.00	Diabetes management plan given
Type2Diabetes	T2DIAB1	66As.00	Diabetic on subcutaneous treatment
Type2Diabetes	T2DIAB1	66AS.00	Diabetic annual review
Type2Diabetes	T2DIAB1	66AS000	Diabetes Year of Care annual review
Type2Diabetes	T2DIAB1	66AT.00	Annual diabetic blood test
Type2Diabetes	T2DIAB1	66At.00	Diabetic dietary review
Type2Diabetes	T2DIAB1	66At000	Type I diabetic dietary review
Type2Diabetes	T2DIAB1	66At011	Type 1 diabetic dietary review
Type2Diabetes	T2DIAB1	66At100	Type II diabetic dietary review
Type2Diabetes	T2DIAB1	66At111	Type 2 diabetic dietary review
Type2Diabetes	T2DIAB1	66AU.00	Diabetes care by hospital only
Type2Diabetes	T2DIAB1	66Au.00	Diabetic erectile dysfunction review
Type2Diabetes	T2DIAB1	66Av.00	Diabetic assessment of erectile dysfunction
Type2Diabetes	T2DIAB1	66AV.00	Diabetic on insulin and oral treatment
Type2Diabetes	T2DIAB1	66AW.00	Diabetic foot risk assessment
Type2Diabetes	T2DIAB1	66AX.00	Diabetes: shared care in pregnancy - diabetol and obstet
Type2Diabetes	T2DIAB1	66AY.00	Diabetic diet - good compliance
Type2Diabetes	T2DIAB1	66Az.00	High risk of diabetes mellitus annual review
Type2Diabetes	T2DIAB1	66AZ.00	Diabetic monitoring NOS
Type2Diabetes	T2DIAB1	66b1.00	Diabetic monitoring not required
Type2Diabetes	T2DIAB1	66o..00	Further diabetic monitoring
Type2Diabetes	T2DIAB1	66o1.00	Enquiry about diabetic erectile dysfunction declined
Type2Diabetes	T2DIAB1	66o2.00	Diabetic on non-insulin injectable medication
Type2Diabetes	T2DIAB1	66o5.00	Diabetic on oral treatment and glucagon-like peptide

Type2Diabetes	T2DIAB1	6761.00	Diabetic pre-pregnancy counselling
Type2Diabetes	T2DIAB1	679I.00	Diabetic injection administration education
Type2Diabetes	T2DIAB1	679L.00	Health education – diabetes
Type2Diabetes	T2DIAB1	679L000	Education in self management of diabetes
Type2Diabetes	T2DIAB1	679L200	Education about diabetes and driving
Type2Diabetes	T2DIAB1	679L211	Advice about diabetes and driving
Type2Diabetes	T2DIAB1	679L300	Diabetic foot care education
Type2Diabetes	T2DIAB1	679R.00	Patient offered diabetes structured education programme
Type2Diabetes	T2DIAB1	67D8.00	Provision of diabetes clinical summary
Type2Diabetes	T2DIAB1	67H9.00	Education about lifestyle for risk of diabetes
Type2Diabetes	T2DIAB1	67HA.00	Lifestyle education for diabetes
Type2Diabetes	T2DIAB1	67IJ100	Pre-conception advice for diabetes mellitus
Type2Diabetes	T2DIAB1	67W1.00	Recommendation self-refer for diabetes structured
Type2Diabetes	T2DIAB1	6872.00	Diabetes mellitus screen
Type2Diabetes	T2DIAB1	68A7.00	Diabetic retinopathy screening
Type2Diabetes	T2DIAB1	68A9.00	Diabetic retinopathy screening offered
Type2Diabetes	T2DIAB1	68AB.00	Diabetic digital retinopathy screening offered
Type2Diabetes	T2DIAB1	7276.00	Pan retinal photocoagulation for diabetes
Type2Diabetes	T2DIAB1	889A.00	Diab mellit insulin-glucose infus acute myocardial
Type2Diabetes	T2DIAB1	8A12.00	Diabetic crisis monitoring
Type2Diabetes	T2DIAB1	8A13.00	Diabetic stabilisation
Type2Diabetes	T2DIAB1	8B3I.00	Diabetes medication review
Type2Diabetes	T2DIAB1	8BL2.00	Patient on maximal tolerated therapy for diabetes
Type2Diabetes	T2DIAB1	8CA4100	Pt advised re diabetic diet
Type2Diabetes	T2DIAB1	8CE0.00	Diabetic leaflet given
Type2Diabetes	T2DIAB1	8CMW700	Diabetes clinical pathway
Type2Diabetes	T2DIAB1	8CP2.00	Transition of diabetes care options discussed
Type2Diabetes	T2DIAB1	8CR2.00	Diabetes clinical management plan
Type2Diabetes	T2DIAB1	8CS0.00	Diabetes care plan agreed
Type2Diabetes	T2DIAB1	8H2J.00	Admit diabetic emergency
Type2Diabetes	T2DIAB1	8H3O.00	Non-urgent diabetic admission
Type2Diabetes	T2DIAB1	8H4e.00	Referral to diabetes special interest general practice
Type2Diabetes	T2DIAB1	8H4F.00	Referral to diabetologist
Type2Diabetes	T2DIAB1	8H7C.00	Refer, diabetic liaison nurse
Type2Diabetes	T2DIAB1	8H7f.00	Referral to diabetes nurse
Type2Diabetes	T2DIAB1	8H7r.00	Refer to diabetic foot screener
Type2Diabetes	T2DIAB1	8HBG.00	Diabetic retinopathy 12 month review
Type2Diabetes	T2DIAB1	8HBH.00	Diabetic retinopathy 6 month review
Type2Diabetes	T2DIAB1	8Hg4.00	Discharged from care of diabetes specialist nurse
Type2Diabetes	T2DIAB1	8HgC.00	Discharged from diabetes shared care programme
Type2Diabetes	T2DIAB1	8HHy.00	Referral to diabetic register
Type2Diabetes	T2DIAB1	8Hj0.00	Referral to diabetes structured education programme
Type2Diabetes	T2DIAB1	8Hj1.00	Family/carer referral to diabetes structured education programme
Type2Diabetes	T2DIAB1	8Hj3.00	Referral to DAFNE diabetes structured education programme
Type2Diabetes	T2DIAB1	8Hj4.00	Referral to DESMOND diabetes structured education
Type2Diabetes	T2DIAB1	8Hj5.00	Referral to XPERT diabetes structured education programme
Type2Diabetes	T2DIAB1	8HKE.00	Diabetology D.V. requested
Type2Diabetes	T2DIAB1	8HI1.00	Referral for diabetic retinopathy screening

Type2Diabetes	T2DIAB1	8Hl4.00	Referral to community diabetes specialist nurse
Type2Diabetes	T2DIAB1	8Hlc.00	Referral to community diabetes service
Type2Diabetes	T2DIAB1	8HLE.00	Diabetology D.V. done
Type2Diabetes	T2DIAB1	8HME.00	Listed for Diabetology admission
Type2Diabetes	T2DIAB1	8HTe.00	Referral to diabetes preconception counselling cli
Type2Diabetes	T2DIAB1	8HTE100	Referral to community diabetes clinic
Type2Diabetes	T2DIAB1	8HTi.00	Referral to multidisciplinary diabetic clinic
Type2Diabetes	T2DIAB1	8HTk.00	Referral to diabetic eye clinic
Type2Diabetes	T2DIAB1	8HVU.00	Private referral to diabetologist
Type2Diabetes	T2DIAB1	8I3W.00	Diabetic foot examination declined
Type2Diabetes	T2DIAB1	8I3X.00	Diabetic retinopathy screening refused
Type2Diabetes	T2DIAB1	8I57.00	Patient held diabetic record declined
Type2Diabetes	T2DIAB1	8I6F.00	Diabetic retinopathy screening not indicated
Type2Diabetes	T2DIAB1	8I6G.00	Diabetic foot examination not indicated
Type2Diabetes	T2DIAB1	8I81.00	Did not complete diabetes structured education programme
Type2Diabetes	T2DIAB1	8I82.00	Did not complete DAFNE diabetes structured education programme
Type2Diabetes	T2DIAB1	8I83.00	Did not complete DESMOND diabetes structured educational programme
Type2Diabetes	T2DIAB1	8I84.00	Did not complete XPERT diabetes structured educational programme
Type2Diabetes	T2DIAB1	8I94.00	Diabetes structured education programme not available
Type2Diabetes	T2DIAB1	8IAs.00	Diabetic dietary review declined
Type2Diabetes	T2DIAB1	8IE2.00	Diabetes care plan declined
Type2Diabetes	T2DIAB1	8IEa.00	Referral to DAFNE diabetes structured educational prog declined
Type2Diabetes	T2DIAB1	8IEQ.00	Referral to community diabetes specialist nurse declined
Type2Diabetes	T2DIAB1	8OA3.00	Provision of written information about diabetes and driving
Type2Diabetes	T2DIAB1	8OAH.00	Provision of written information about diabetes and high blood pressure
Type2Diabetes	T2DIAB1	8OAK.00	Provision written information about diabetes & high cholesterol
Type2Diabetes	T2DIAB1	918T.00	Diabetes key contact
Type2Diabetes	T2DIAB1	9360.00	Patient held diabetic record issued
Type2Diabetes	T2DIAB1	93C4.00	Patient consent given for addition to diabetic register
Type2Diabetes	T2DIAB1	9b92000	Diabetic medicine
Type2Diabetes	T2DIAB1	9h4..00	Exception reporting: diabetes quality indicators
Type2Diabetes	T2DIAB1	9h41.00	Excepted from diabetes qual indicators: Patient unsuitable
Type2Diabetes	T2DIAB1	9h42.00	Excepted from diabetes quality indicators: Informed dissent
Type2Diabetes	T2DIAB1	9h43.00	Excepted from diabetes qual indicators: service unavailable
Type2Diabetes	T2DIAB1	9m0..00	Diabetic retinopathy screening administrative status
Type2Diabetes	T2DIAB1	9m00.00	Eligible for diabetic retinopathy screening
Type2Diabetes	T2DIAB1	9M00.00	Informed consent for diabetes national audit
Type2Diabetes	T2DIAB1	9m01.00	Ineligible for diabetic retinopathy screening
Type2Diabetes	T2DIAB1	9m02.00	Eligibility temporarily inactive for diabetic retinopathy screen
Type2Diabetes	T2DIAB1	9m03.00	Eligibility permanently inactive for diabetic retinopathy screen
Type2Diabetes	T2DIAB1	9m04.00	Excluded from diabetic retinopathy screening
Type2Diabetes	T2DIAB1	9m05.00	Excluded from diabetic retinopathy screening as moved away
Type2Diabetes	T2DIAB1	9m06.00	Excluded from diabetic retinopathy screening as deceased
Type2Diabetes	T2DIAB1	9m07.00	Excluded diabetic retinopathy screen as under care of ophthalmologist
Type2Diabetes	T2DIAB1	9m08.00	Excluded from diabetic retinopathy screening as blind
Type2Diabetes	T2DIAB1	9m09.00	Excluded from diabetic retinopathy screen as no longer diabetic
Type2Diabetes	T2DIAB1	9m0A.00	Declined diabetic retinopathy screening
Type2Diabetes	T2DIAB1	9m0B.00	Excluded from diabetic retinopathy screen as no current contact details

Type2Diabetes	T2DIAB1	9m0C.00	Excluded from diabetic retinopathy screen as terminal illness
Type2Diabetes	T2DIAB1	9m0D.00	Excluded from diabetic retinopathy screen as learn disability
Type2Diabetes	T2DIAB1	9m0E.00	Excluded from diabetic retinopathy screen physical disorder
Type2Diabetes	T2DIAB1	9M10.00	Informed dissent for diabetes national audit
Type2Diabetes	T2DIAB1	9N0m.00	Seen in diabetic nurse consultant clinic
Type2Diabetes	T2DIAB1	9N0n.00	Seen in community diabetes specialist clinic
Type2Diabetes	T2DIAB1	9N0o.00	Seen in community diabetic specialist nurse clinic
Type2Diabetes	T2DIAB1	9N1i.00	Seen in diabetic foot clinic
Type2Diabetes	T2DIAB1	9N1o.00	Seen in multidisciplinary diabetic clinic
Type2Diabetes	T2DIAB1	9N1Q.00	Seen in diabetic clinic
Type2Diabetes	T2DIAB1	9N1v.00	Seen in diabetic eye clinic
Type2Diabetes	T2DIAB1	9N2d.00	Seen by diabetologist
Type2Diabetes	T2DIAB1	9N2i.00	Seen by diabetic liaison nurse
Type2Diabetes	T2DIAB1	9N4I.00	DNA - Did not attend diabetic clinic
Type2Diabetes	T2DIAB1	9N4p.00	Did not attend diabetic retinopathy clinic
Type2Diabetes	T2DIAB1	9NiA.00	Did not attend diabetes structured education programme
Type2Diabetes	T2DIAB1	9NiC.00	Did not attend DAFNE diabetes structured education
Type2Diabetes	T2DIAB1	9NiD.00	Did not attend DESMOND diabetes structured educational programme
Type2Diabetes	T2DIAB1	9NiE.00	Did not attend XPERT diabetes structured education
Type2Diabetes	T2DIAB1	9NiZ.00	Did not attend diabetes foot screening
Type2Diabetes	T2DIAB1	9NJy.00	In-house diabetic foot screening
Type2Diabetes	T2DIAB1	9NI4.00	Seen by general practitioner special interest in diabetes
Type2Diabetes	T2DIAB1	9NM0.00	Attending diabetes clinic
Type2Diabetes	T2DIAB1	9NN8.00	Under care of diabetologist
Type2Diabetes	T2DIAB1	9NN9.00	Under care of diabetes specialist nurse
Type2Diabetes	T2DIAB1	9NND.00	Under care of diabetic foot screener
Type2Diabetes	T2DIAB1	9OL..00	Diabetes monitoring admin.
Type2Diabetes	T2DIAB1	9OL..11	Diabetes clinic administration
Type2Diabetes	T2DIAB1	9OL1.00	Attends diabetes monitoring
Type2Diabetes	T2DIAB1	9OL2.00	Refuses diabetes monitoring
Type2Diabetes	T2DIAB1	9OL3.00	Diabetes monitoring default
Type2Diabetes	T2DIAB1	9OL4.00	Diabetes monitoring 1st letter
Type2Diabetes	T2DIAB1	9OL5.00	Diabetes monitoring 2nd letter
Type2Diabetes	T2DIAB1	9OL6.00	Diabetes monitoring 3rd letter
Type2Diabetes	T2DIAB1	9OL7.00	Diabetes monitor.verbal invite
Type2Diabetes	T2DIAB1	9OL8.00	Diabetes monitor.phone invite
Type2Diabetes	T2DIAB1	9OL9.00	Diabetes monitoring deleted
Type2Diabetes	T2DIAB1	9OLA.00	Diabetes monitor. check done
Type2Diabetes	T2DIAB1	9OLA.11	Diabetes monitored
Type2Diabetes	T2DIAB1	9OLB.00	Attended diabetes structured education programme
Type2Diabetes	T2DIAB1	9OLC.00	Family/carer attended diabetes structured educational programme
Type2Diabetes	T2DIAB1	9OLD.00	Diabetic patient unsuitable for digital retinal photography
Type2Diabetes	T2DIAB1	9OLF.00	Diabetes structured education programme completed
Type2Diabetes	T2DIAB1	9OLG.00	Attended XPERT diabetes structured education programme
Type2Diabetes	T2DIAB1	9OLH.00	Attended DAFNE diabetes structured education programme
Type2Diabetes	T2DIAB1	9OLJ.00	DAFNE diabetes structured education programme completed
Type2Diabetes	T2DIAB1	9OLK.00	DESMOND diabetes structured education programme completed
Type2Diabetes	T2DIAB1	9OLL.00	XPERT diabetes structured education programme completed

Type2Diabetes	T2DIAB1	9OLM.00	Diabetes structured education programme declined
Type2Diabetes	T2DIAB1	9OLN.00	Diabetes monitor invitation by SMS (short message
Type2Diabetes	T2DIAB1	9OLZ.00	Diabetes monitoring admin.NOS
Type2Diabetes	T2DIAB1	9Oy..00	Diabetes screening administration
Type2Diabetes	T2DIAB1	9Oy0.00	Diabetes screening invitation
Type2Diabetes	T2DIAB1	9Oy0000	Diabetic foot screening invitation
Type2Diabetes	T2DIAB1	9Oy0200	Diabetic foot screening invitation first letter
Type2Diabetes	T2DIAB1	9Oy0300	Diabetic foot screening invitation second letter
Type2Diabetes	T2DIAB1	9Oy0400	Diabetic foot screening invitation third letter
Type2Diabetes	T2DIAB1	C10..00	Diabetes mellitus
Type2Diabetes	T2DIAB1	C100.00	Diabetes mellitus with no mention of complication
Type2Diabetes	T2DIAB1	C100000	Diabetes mellitus, juvenile type, no mention of co
Type2Diabetes	T2DIAB1	C100011	Insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C100100	Diabetes mellitus, adult onset, no mention of complication
Type2Diabetes	T2DIAB1	C100111	Maturity onset diabetes
Type2Diabetes	T2DIAB1	C100112	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C100z00	Diabetes mellitus NOS with no mention of complication
Type2Diabetes	T2DIAB1	C101.00	Diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB1	C101000	Diabetes mellitus, juvenile type, with ketoacidosis
Type2Diabetes	T2DIAB1	C101100	Diabetes mellitus, adult onset, with ketoacidosis
Type2Diabetes	T2DIAB1	C101z00	Diabetes mellitus NOS with ketoacidosis
Type2Diabetes	T2DIAB1	C102.00	Diabetes mellitus with hyperosmolar coma
Type2Diabetes	T2DIAB1	C102000	Diabetes mellitus, juvenile type, with hyperosmolar
Type2Diabetes	T2DIAB1	C102100	Diabetes mellitus, adult onset, with hyperosmolar
Type2Diabetes	T2DIAB1	C102z00	Diabetes mellitus NOS with hyperosmolar coma
Type2Diabetes	T2DIAB1	C103.00	Diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB1	C103000	Diabetes mellitus, juvenile type, with ketoacidotic
Type2Diabetes	T2DIAB1	C103100	Diabetes mellitus, adult onset, with ketoacidotic
Type2Diabetes	T2DIAB1	C103z00	Diabetes mellitus NOS with ketoacidotic coma
Type2Diabetes	T2DIAB1	C104.00	Diabetes mellitus with renal manifestation
Type2Diabetes	T2DIAB1	C104.11	Diabetic nephropathy
Type2Diabetes	T2DIAB1	C104000	Diabetes mellitus, juvenile type, with renal manifestation
Type2Diabetes	T2DIAB1	C104100	Diabetes mellitus, adult onset, with renal manifestation
Type2Diabetes	T2DIAB1	C104z00	Diabetes mellitus with nephropathy NOS
Type2Diabetes	T2DIAB1	C105.00	Diabetes mellitus with ophthalmic manifestation
Type2Diabetes	T2DIAB1	C105000	Diabetes mellitus, juvenile type, + ophthalmic man
Type2Diabetes	T2DIAB1	C105100	Diabetes mellitus, adult onset, + ophthalmic manifestation
Type2Diabetes	T2DIAB1	C105z00	Diabetes mellitus NOS with ophthalmic manifestation
Type2Diabetes	T2DIAB1	C106.00	Diabetes mellitus with neurological manifestation
Type2Diabetes	T2DIAB1	C106.11	Diabetic amyotrophy
Type2Diabetes	T2DIAB1	C106.12	Diabetes mellitus with neuropathy
Type2Diabetes	T2DIAB1	C106.13	Diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C106000	Diabetes mellitus, juvenile, + neurological manifestation
Type2Diabetes	T2DIAB1	C106100	Diabetes mellitus, adult onset, + neurological manifestation
Type2Diabetes	T2DIAB1	C106z00	Diabetes mellitus NOS with neurological manifestation
Type2Diabetes	T2DIAB1	C107.00	Diabetes mellitus with peripheral circulatory disorder
Type2Diabetes	T2DIAB1	C107.11	Diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C107.12	Diabetes with gangrene

Type2Diabetes	T2DIAB1	C107000	Diabetes mellitus, juvenile +peripheral circulator
Type2Diabetes	T2DIAB1	C107100	Diabetes mellitus, adult, + peripheral circulatory
Type2Diabetes	T2DIAB1	C107200	Diabetes mellitus, adult with gangrene
Type2Diabetes	T2DIAB1	C107z00	Diabetes mellitus NOS with peripheral circulatory
Type2Diabetes	T2DIAB1	C108.00	Insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C108.11	IDDM-Insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C108.12	Type 1 diabetes mellitus
Type2Diabetes	T2DIAB1	C108.13	Type I diabetes mellitus
Type2Diabetes	T2DIAB1	C108000	Insulin-dependent diabetes mellitus with renal com
Type2Diabetes	T2DIAB1	C108011	Type I diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C108012	Type 1 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C108100	Insulin-dependent diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C108112	Type 1 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C108200	Insulin-dependent diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C108211	Type I diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C108212	Type 1 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C108300	Insulin dependent diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C108311	Type I diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C108400	Unstable insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C108411	Unstable type I diabetes mellitus
Type2Diabetes	T2DIAB1	C108412	Unstable type 1 diabetes mellitus
Type2Diabetes	T2DIAB1	C108500	Insulin dependent diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C108511	Type I diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C108512	Type 1 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C108600	Insulin dependent diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C108700	Insulin dependent diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C108711	Type I diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C108712	Type 1 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C108800	Insulin dependent diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C108811	Type I diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C108812	Type 1 diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C108900	Insulin dependent diabetes maturity onset
Type2Diabetes	T2DIAB1	C108911	Type I diabetes mellitus maturity onset
Type2Diabetes	T2DIAB1	C108912	Type 1 diabetes mellitus maturity onset
Type2Diabetes	T2DIAB1	C108A00	Insulin-dependent diabetes without complication
Type2Diabetes	T2DIAB1	C108A11	Type I diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C108A12	Type 1 diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C108B00	Insulin dependent diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C108B11	Type I diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C108C00	Insulin dependent diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C108D00	Insulin dependent diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C108D11	Type I diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C108E00	Insulin dependent diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C108E11	Type I diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C108E12	Type 1 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C108F00	Insulin dependent diabetes mellitus with diabetic
Type2Diabetes	T2DIAB1	C108F11	Type I diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C108F12	Type 1 diabetes mellitus with diabetic cataract

Type2Diabetes	T2DIAB1	C108G00	Insulin dependent diabetes mell with peripheral angiopathy
Type2Diabetes	T2DIAB1	C108H00	Insulin dependent diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C108H11	Type I diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C108J00	Insulin dependent diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C108J11	Type I diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C108J12	Type 1 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C108z00	Unspecified diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C109.00	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C109.11	NIDDM - Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C109.12	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB1	C109.13	Type II diabetes mellitus
Type2Diabetes	T2DIAB1	C109000	Non-insulin-dependent diabetes mellitus with renal
Type2Diabetes	T2DIAB1	C109011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C109012	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C109100	Non-insulin-dependent diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C109111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C109112	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C109200	Non-insulin-dependent diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C109211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C109212	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C109300	Non-insulin-dependent diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C109312	Type 2 diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C109400	Non-insulin dependent diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C109411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C109412	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C109500	Non-insulin dependent diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C109511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C109512	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C109600	Non-insulin-dependent diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C109611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C109612	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C109700	Non-insulin dependent diabetes mellitus - poor con
Type2Diabetes	T2DIAB1	C109711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C109712	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C109900	Non-insulin-dependent diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C109911	Type II diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C109912	Type 2 diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C109A00	Non-insulin dependent diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C109A11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C109B00	Non-insulin dependent diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C109B11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C109B12	Type 2 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C109C00	Non-insulin dependent diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C109C11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C109C12	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C109D00	Non-insulin dependent diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C109D11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C109D12	Type 2 diabetes mellitus with hypoglycaemic coma

Type2Diabetes	T2DIAB1	C109E00	Non-insulin depend diabetes mellitus with diabetic
Type2Diabetes	T2DIAB1	C109E11	Type II diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C109E12	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C109F11	Type II diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB1	C109F12	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB1	C109G00	Non-insulin dependent diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C109G11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C109G12	Type 2 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C109H11	Type II diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C109H12	Type 2 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C109J00	Insulin treated Type 2 diabetes mellitus
Type2Diabetes	T2DIAB1	C109J11	Insulin treated non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C109J12	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB1	C109K00	Hyperosmolar non-ketotic state in type 2 diabetes
Type2Diabetes	T2DIAB1	C10A500	Malnutrition-related diabetes mellites with periph circu
Type2Diabetes	T2DIAB1	C10C.00	Diabetes mellitus autosomal dominant
Type2Diabetes	T2DIAB1	C10D.00	Diabetes mellitus autosomal dominant type 2
Type2Diabetes	T2DIAB1	C10E.00	Type 1 diabetes mellitus
Type2Diabetes	T2DIAB1	C10E.11	Type I diabetes mellitus
Type2Diabetes	T2DIAB1	C10E.12	Insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C10E000	Type 1 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C10E011	Type I diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C10E012	Insulin-dependent diabetes mellitus with renal com
Type2Diabetes	T2DIAB1	C10E100	Type 1 diabetes mellitus with ophthalmic complication
Type2Diabetes	T2DIAB1	C10E111	Type I diabetes mellitus with ophthalmic complication
Type2Diabetes	T2DIAB1	C10E112	Insulin-dependent diabetes mellitus with ophthalmic complication
Type2Diabetes	T2DIAB1	C10E200	Type 1 diabetes mellitus with neurological complication
Type2Diabetes	T2DIAB1	C10E212	Insulin-dependent diabetes mellitus with neurological complication
Type2Diabetes	T2DIAB1	C10E300	Type 1 diabetes mellitus with multiple complication
Type2Diabetes	T2DIAB1	C10E311	Type I diabetes mellitus with multiple complication
Type2Diabetes	T2DIAB1	C10E312	Insulin dependent diabetes mellitus with multiple
Type2Diabetes	T2DIAB1	C10E400	Unstable type 1 diabetes mellitus
Type2Diabetes	T2DIAB1	C10E411	Unstable type I diabetes mellitus
Type2Diabetes	T2DIAB1	C10E412	Unstable insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB1	C10E500	Type 1 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C10E511	Type I diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C10E512	Insulin dependent diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C10E600	Type 1 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C10E611	Type I diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C10E612	Insulin dependent diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C10E700	Type 1 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C10E711	Type I diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C10E712	Insulin dependent diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C10E800	Type 1 diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C10E811	Type I diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C10E812	Insulin dependent diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C10E900	Type 1 diabetes mellitus maturity onset
Type2Diabetes	T2DIAB1	C10E911	Type I diabetes mellitus maturity onset

Type2Diabetes	T2DIAB1	C10E912	Insulin dependent diabetes maturity onset
Type2Diabetes	T2DIAB1	C10EA00	Type 1 diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C10EA11	Type I diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C10EA12	Insulin-dependent diabetes without complication
Type2Diabetes	T2DIAB1	C10EB00	Type 1 diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C10EC00	Type 1 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C10EC11	Type I diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C10EC12	Insulin dependent diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C10ED00	Type 1 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C10ED12	Insulin dependent diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C10EE00	Type 1 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C10EE12	Insulin dependent diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C10EF00	Type 1 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C10EF12	Insulin dependent diabetes mellitus with diabetic
Type2Diabetes	T2DIAB1	C10EG00	Type 1 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB1	C10EH00	Type 1 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C10EJ00	Type 1 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C10EK00	Type 1 diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB1	C10EL00	Type 1 diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB1	C10EL11	Type I diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB1	C10EM00	Type 1 diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB1	C10EM11	Type I diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB1	C10EN00	Type 1 diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB1	C10EN11	Type I diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB1	C10EP00	Type 1 diabetes mellitus with exudative maculopathy
Type2Diabetes	T2DIAB1	C10EP11	Type I diabetes mellitus with exudative maculopathy
Type2Diabetes	T2DIAB1	C10EQ00	Type 1 diabetes mellitus with gastroparesis
Type2Diabetes	T2DIAB1	C10EQ11	Type I diabetes mellitus with gastroparesis
Type2Diabetes	T2DIAB1	C10ER00	Latent autoimmune diabetes mellitus in adult
Type2Diabetes	T2DIAB1	C10F.00	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB1	C10F.11	Type II diabetes mellitus
Type2Diabetes	T2DIAB1	C10F000	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C10F011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	C10F100	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C10F111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB1	C10F200	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C10F211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB1	C10F300	Type 2 diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C10F311	Type II diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB1	C10F400	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C10F411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB1	C10F500	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C10F511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB1	C10F600	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C10F611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB1	C10F700	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C10F711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB1	C10F900	Type 2 diabetes mellitus without complication

Type2Diabetes	T2DIAB1	C10F911	Type II diabetes mellitus without complication
Type2Diabetes	T2DIAB1	C10FA00	Type 2 diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C10FA11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB1	C10FB00	Type 2 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C10FB11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB1	C10FC00	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C10FC11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB1	C10FD00	Type 2 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C10FD11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB1	C10FE00	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C10FE11	Type II diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB1	C10FF00	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB1	C10FF11	Type II diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB1	C10FG00	Type 2 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C10FG11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB1	C10FH00	Type 2 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C10FH11	Type II diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB1	C10FJ00	Insulin treated Type 2 diabetes mellitus
Type2Diabetes	T2DIAB1	C10FJ11	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB1	C10FK00	Hyperosmolar non-ketotic state in type 2 diabetes
Type2Diabetes	T2DIAB1	C10FK11	Hyperosmolar non-ketotic state in type II diabetes
Type2Diabetes	T2DIAB1	C10FL00	Type 2 diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB1	C10FL11	Type II diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB1	C10FM00	Type 2 diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB1	C10FM11	Type II diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB1	C10FN00	Type 2 diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB1	C10FN11	Type II diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB1	C10FP00	Type 2 diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB1	C10FP11	Type II diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB1	C10FQ00	Type 2 diabetes mellitus with exudative maculopathy
Type2Diabetes	T2DIAB1	C10FR00	Type 2 diabetes mellitus with gastroparesis
Type2Diabetes	T2DIAB1	C10FS00	Maternally inherited diabetes mellitus
Type2Diabetes	T2DIAB1	C10M.00	Lipoatrophic diabetes mellitus
Type2Diabetes	T2DIAB1	C10P.00	Diabetes mellitus in remission
Type2Diabetes	T2DIAB1	C10P000	Type I diabetes mellitus in remission
Type2Diabetes	T2DIAB1	C10P011	Type 1 diabetes mellitus in remission
Type2Diabetes	T2DIAB1	C10P100	Type II diabetes mellitus in remission
Type2Diabetes	T2DIAB1	C10P111	Type 2 diabetes mellitus in remission
Type2Diabetes	T2DIAB1	C10z.00	Diabetes mellitus with unspecified complication
Type2Diabetes	T2DIAB1	C10z000	Diabetes mellitus, juvenile type, + unspecified complications
Type2Diabetes	T2DIAB1	C10z100	Diabetes mellitus, adult onset, + unspecified complications
Type2Diabetes	T2DIAB1	C10zz00	Diabetes mellitus NOS with unspecified complications
Type2Diabetes	T2DIAB1	C11y500	Pre-diabetes
Type2Diabetes	T2DIAB1	C314.11	Renal diabetes
Type2Diabetes	T2DIAB1	C350011	Bronzed diabetes
Type2Diabetes	T2DIAB1	Cyu2.00	[X]Diabetes mellitus
Type2Diabetes	T2DIAB1	Cyu2300	[X]Unspecified diabetes mellitus with renal complications
Type2Diabetes	T2DIAB1	F171100	Autonomic neuropathy due to diabetes

Type2Diabetes	T2DIAB1	F345000	Diabetic mononeuritis multiplex
Type2Diabetes	T2DIAB1	F35z000	Diabetic mononeuritis NOS
Type2Diabetes	T2DIAB1	F372.00	Polyneuropathy in diabetes
Type2Diabetes	T2DIAB1	F372.11	Diabetic polyneuropathy
Type2Diabetes	T2DIAB1	F372.12	Diabetic neuropathy
Type2Diabetes	T2DIAB1	F372000	Acute painful diabetic neuropathy
Type2Diabetes	T2DIAB1	F372100	Chronic painful diabetic neuropathy
Type2Diabetes	T2DIAB1	F372200	Asymptomatic diabetic neuropathy
Type2Diabetes	T2DIAB1	F381311	Diabetic amyotrophy
Type2Diabetes	T2DIAB1	F3y0.00	Diabetic mononeuropathy
Type2Diabetes	T2DIAB1	F420.00	Diabetic retinopathy
Type2Diabetes	T2DIAB1	F420000	Background diabetic retinopathy
Type2Diabetes	T2DIAB1	F420100	Proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	F420200	Preproliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	F420300	Advanced diabetic maculopathy
Type2Diabetes	T2DIAB1	F420400	Diabetic maculopathy
Type2Diabetes	T2DIAB1	F420500	Advanced diabetic retinal disease
Type2Diabetes	T2DIAB1	F420600	Non proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	F420700	High risk proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	F420800	High risk non proliferative diabetic retinopathy
Type2Diabetes	T2DIAB1	F420z00	Diabetic retinopathy NOS
Type2Diabetes	T2DIAB1	F440700	Diabetic iritis
Type2Diabetes	T2DIAB1	F464000	Diabetic cataract
Type2Diabetes	T2DIAB1	G73y000	Diabetic peripheral angiopathy
Type2Diabetes	T2DIAB1	K08yA00	Proteinuric diabetic nephropathy
Type2Diabetes	T2DIAB1	K08yA11	Clinical diabetic nephropathy
Type2Diabetes	T2DIAB1	K27y700	Erectile dysfunction due to diabetes mellitus
Type2Diabetes	T2DIAB1	Kyu0300	[X]Glomerular disorders in diabetes mellitus
Type2Diabetes	T2DIAB1	L180.00	Diabetes mellitus during pregnancy/childbirth/puerperium
Type2Diabetes	T2DIAB1	L180000	Diabetes mellitus - unspecified whether in pregnancy/ puerperium
Type2Diabetes	T2DIAB1	L180100	Diabetes mellitus during pregnancy - baby delivered
Type2Diabetes	T2DIAB1	L180300	Diabetes mellitus during pregnancy - baby not yet delivered
Type2Diabetes	T2DIAB1	L180400	Diabetes mellitus in puerperium - baby previously delivered
Type2Diabetes	T2DIAB1	L180500	Pre-existing diabetes mellitus, insulin-dependent
Type2Diabetes	T2DIAB1	L180600	Pre-existing diabetes mellitus, non-insulin-depend
Type2Diabetes	T2DIAB1	L180800	Diabetes mellitus arising in pregnancy
Type2Diabetes	T2DIAB1	L180X00	Pre-existing diabetes mellitus, unspecified
Type2Diabetes	T2DIAB1	L180z00	Diabetes mellitus in pregnancy/childbirth/puerperium
Type2Diabetes	T2DIAB1	M037200	Cellulitis in diabetic foot
Type2Diabetes	T2DIAB1	M271000	Ischaemic ulcer diabetic foot
Type2Diabetes	T2DIAB1	M271100	Neuropathic diabetic ulcer – foot
Type2Diabetes	T2DIAB1	M271200	Mixed diabetic ulcer – foot
Type2Diabetes	T2DIAB1	N030000	Diabetic cheiroarthropathy
Type2Diabetes	T2DIAB1	N030011	Diabetic cheiropathy
Type2Diabetes	T2DIAB1	N030100	Diabetic Charcot arthropathy
Type2Diabetes	T2DIAB1	R054200	[D]Gangrene of toe in diabetic
Type2Diabetes	T2DIAB1	R054300	[D]Widespread diabetic foot gangrene
Type2Diabetes	T2DIAB1	R102.11	[D]Prediabetes

Type2Diabetes	T2DIAB1	SL23.00	Insulins and antidiabetic poisoning
Type2Diabetes	T2DIAB1	TJ23.00	Adverse reaction to insulins and antidiabetic agents
Type2Diabetes	T2DIAB1	TJ23z00	Adverse reaction to insulins and antidiabetic agents
Type2Diabetes	T2DIAB1	U602311	[X] Adverse reaction to insulins and antidiabetic
Type2Diabetes	T2DIAB1	U60231E	[X] Adverse reaction to insulins and antidiabetic
Type2Diabetes	T2DIAB1	ZC2C800	Dietary advice for diabetes mellitus
Type2Diabetes	T2DIAB1	ZC2C900	Dietary advice for type I diabetes
Type2Diabetes	T2DIAB1	ZC2C911	Diet advice for insulin-dependent diabetes
Type2Diabetes	T2DIAB1	ZC2CA00	Dietary advice for type II diabetes
Type2Diabetes	T2DIAB1	ZL22500	Under care of diabetic liaison nurse
Type2Diabetes	T2DIAB1	ZL62500	Referral to diabetes nurse
Type2Diabetes	T2DIAB1	ZL62600	Referral to diabetic liaison nurse
Type2Diabetes	T2DIAB1	ZLA2500	Seen by diabetic liaison nurse
Type2Diabetes	T2DIAB1	ZLD7500	Discharge by diabetic liaison nurse
Type2Diabetes	T2DIAB1	ZRB4.00	Diabetes clinic satisfaction questionnaire
Type2Diabetes	T2DIAB1	ZRB4.11	CSQ - Diabetes clinic satisfaction questionnaire
Type2Diabetes	T2DIAB1	ZRB5.00	Diabetes treatment satisfaction questionnaire
Type2Diabetes	T2DIAB1	ZRB5.11	DTSQ - Diabetes treatment satisfaction questionnaire
Type2Diabetes	T2DIAB1	ZRB6.00	Diabetes wellbeing questionnaire
Type2Diabetes	T2DIAB1	ZRB6.11	DWBQ - Diabetes wellbeing questionnaire
Type2Diabetes	T2DIAB1	ZRBa.00	Education score – diabetes
Type2Diabetes	T2DIAB1	ZRBh.00	Perceived control of insulin-dependent diabetes
Type2Diabetes	T2DIAB1	ZV18000	[V]Family history of diabetes mellitus
Type2Diabetes	T2DIAB1	ZV18011	[V]Family history of diabetes mellitus (DM)
Type2Diabetes	T2DIAB1	ZV19800	[V]Family history of diabetes mellitus
Type2Diabetes	T2DIAB1	ZV65312	[V]Dietary counselling in diabetes mellitus
Type2Diabetes	T2DIAB1	ZV77100	[V]Screening for diabetes mellitus
Type2Diabetes	T2DIAB1	ZV77111	[V]Screening for diabetes mellitus (DM)

Concept ID (Concept version ID): C2138 (5414)
 Concept name Type 2 Diabetes - Primary Care
 Phenotype ID (Phenotype version ID): PH718 (1436)
 Phenotype name: Type 2 Diabetes

condition	ref	Read code	Description
Type2Diabetes	T2DIAB2	C100112	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB2	C103y00	Other specified diabetes mellitus with coma
Type2Diabetes	T2DIAB2	C109.00	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB2	C109.11	NIDDM - Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB2	C109.12	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C109.13	Type II diabetes mellitus
Type2Diabetes	T2DIAB2	C109000	Non-insulin-dependent diabetes mellitus with renal comps
Type2Diabetes	T2DIAB2	C109011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB2	C109012	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB2	C109100	Non-insulin-dependent diabetes mellitus with ophthalm comps
Type2Diabetes	T2DIAB2	C109111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB2	C109112	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB2	C109200	Non-insulin-dependent diabetes mellitus with neuro comps
Type2Diabetes	T2DIAB2	C109211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB2	C109212	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB2	C109300	Non-insulin-dependent diabetes mellitus with multiple comps
Type2Diabetes	T2DIAB2	C109312	Type 2 diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB2	C109400	Non-insulin dependent diabetes mellitus with ulcer
Type2Diabetes	T2DIAB2	C109411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB2	C109412	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB2	C109500	Non-insulin dependent diabetes mellitus with gangrene
Type2Diabetes	T2DIAB2	C109511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB2	C109512	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB2	C109600	Non-insulin-dependent diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB2	C109611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB2	C109612	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB2	C109700	Non-insulin dependent diabetes mellitus - poor control
Type2Diabetes	T2DIAB2	C109711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB2	C109712	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB2	C109900	Non-insulin-dependent diabetes mellitus without complication
Type2Diabetes	T2DIAB2	C109911	Type II diabetes mellitus without complication
Type2Diabetes	T2DIAB2	C109912	Type 2 diabetes mellitus without complication
Type2Diabetes	T2DIAB2	C109A00	Non-insulin dependent diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB2	C109A11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB2	C109B00	Non-insulin dependent diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB2	C109B11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB2	C109B12	Type 2 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB2	C109C00	Non-insulin dependent diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB2	C109C11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB2	C109C12	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB2	C109D00	Non-insulin dependent diabetes mellitus with hypoglyca coma
Type2Diabetes	T2DIAB2	C109D11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB2	C109D12	Type 2 diabetes mellitus with hypoglycaemic coma

Type2Diabetes	T2DIAB2	C109E00	Non-insulin depend diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB2	C109E11	Type II diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB2	C109E12	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB2	C109F11	Type II diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB2	C109F12	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB2	C109G00	Non-insulin dependent diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB2	C109G11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB2	C109G12	Type 2 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB2	C109H11	Type II diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB2	C109H12	Type 2 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB2	C109J00	Insulin treated Type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C109J11	Insulin treated non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB2	C109J12	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB2	C109K00	Hyperosmolar non-ketotic state in type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C10F.00	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C10F.11	Type II diabetes mellitus
Type2Diabetes	T2DIAB2	C10F000	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB2	C10F011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB2	C10F100	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB2	C10F111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB2	C10F200	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB2	C10F211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB2	C10F300	Type 2 diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB2	C10F311	Type II diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB2	C10F400	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB2	C10F411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB2	C10F500	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB2	C10F511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB2	C10F600	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB2	C10F611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB2	C10F700	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB2	C10F711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB2	C10F900	Type 2 diabetes mellitus without complication
Type2Diabetes	T2DIAB2	C10F911	Type II diabetes mellitus without complication
Type2Diabetes	T2DIAB2	C10FA00	Type 2 diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB2	C10FA11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB2	C10FB00	Type 2 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB2	C10FB11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB2	C10FC00	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB2	C10FC11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB2	C10FD00	Type 2 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB2	C10FD11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB2	C10FE00	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB2	C10FE11	Type II diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB2	C10FF00	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB2	C10FF11	Type II diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB2	C10FG11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB2	C10FH00	Type 2 diabetes mellitus with neuropathic arthropathy

Type2Diabetes	T2DIAB2	C10FH11	Type II diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB2	C10FJ00	Insulin treated Type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C10FJ11	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB2	C10FK00	Hyperosmolar non-ketotic state in type 2 diabetes mellitus
Type2Diabetes	T2DIAB2	C10FK11	Hyperosmolar non-ketotic state in type II diabetes mellitus
Type2Diabetes	T2DIAB2	C10FL00	Type 2 diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB2	C10FL11	Type II diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB2	C10FM00	Type 2 diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB2	C10FM11	Type II diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB2	C10FN00	Type 2 diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB2	C10FN11	Type II diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB2	C10FP00	Type 2 diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB2	C10FQ00	Type 2 diabetes mellitus with exudative maculopathy
Type2Diabetes	T2DIAB2	C10FR00	Type 2 diabetes mellitus with gastroparesis

Concept ID (Concept version ID): C1968 (5074)
 Concept name Type 2 Diabetes - Primary Care
 Phenotype ID (Phenotype version ID): PH569 (1138)
 Phenotype name: Type 2 Diabetes

condition	ref	Read code	description
Type2Diabetes	T2DIAB3	66Ao.00	Diabetes type 2 review
Type2Diabetes	T2DIAB3	66At100	Type II diabetic dietary review
Type2Diabetes	T2DIAB3	66At111	Type 2 diabetic dietary review
Type2Diabetes	T2DIAB3	C100112	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB3	C109.00	Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB3	C109.11	NIDDM - Non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB3	C109.12	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB3	C109.13	Type II diabetes mellitus
Type2Diabetes	T2DIAB3	C109000	Non-insulin-dependent diabetes mellitus with renal comps
Type2Diabetes	T2DIAB3	C109011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB3	C109012	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB3	C109100	Non-insulin-dependent diabetes mellitus with ophthalm comps
Type2Diabetes	T2DIAB3	C109111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB3	C109112	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB3	C109200	Non-insulin-dependent diabetes mellitus with neuro comps
Type2Diabetes	T2DIAB3	C109211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB3	C109212	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB3	C109300	Non-insulin-dependent diabetes mellitus with multiple comps
Type2Diabetes	T2DIAB3	C109400	Non-insulin dependent diabetes mellitus with ulcer
Type2Diabetes	T2DIAB3	C109411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB3	C109412	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB3	C109500	Non-insulin dependent diabetes mellitus with gangrene
Type2Diabetes	T2DIAB3	C109511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB3	C109512	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB3	C109600	Non-insulin-dependent diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB3	C109611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB3	C109612	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB3	C109700	Non-insulin dependent diabetes mellitus - poor control
Type2Diabetes	T2DIAB3	C109711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB3	C109712	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB3	C109900	Non-insulin-dependent diabetes mellitus without complication
Type2Diabetes	T2DIAB3	C109A00	Non-insulin dependent diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB3	C109A11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB3	C109B00	Non-insulin dependent diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB3	C109B11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB3	C109C00	Non-insulin dependent diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB3	C109C11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB3	C109C12	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB3	C109D00	Non-insulin dependent diabetes mellitus with hypoglyca coma
Type2Diabetes	T2DIAB3	C109D11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB3	C109D12	Type 2 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB3	C109E00	Non-insulin depend diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB3	C109E11	Type II diabetes mellitus with diabetic cataract

Type2Diabetes	T2DIAB3	C109E12	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB3	C109F11	Type II diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB3	C109F12	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB3	C109G00	Non-insulin dependent diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB3	C109G11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB3	C109G12	Type 2 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB3	C109H11	Type II diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB3	C109H12	Type 2 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB3	C109J00	Insulin treated Type 2 diabetes mellitus
Type2Diabetes	T2DIAB3	C109J11	Insulin treated non-insulin dependent diabetes mellitus
Type2Diabetes	T2DIAB3	C109J12	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB3	C109K00	Hyperosmolar non-ketotic state in type 2 diabetes mellitus
Type2Diabetes	T2DIAB3	C10D.00	Diabetes mellitus autosomal dominant type 2
Type2Diabetes	T2DIAB3	C10F.00	Type 2 diabetes mellitus
Type2Diabetes	T2DIAB3	C10F.11	Type II diabetes mellitus
Type2Diabetes	T2DIAB3	C10F000	Type 2 diabetes mellitus with renal complications
Type2Diabetes	T2DIAB3	C10F011	Type II diabetes mellitus with renal complications
Type2Diabetes	T2DIAB3	C10F100	Type 2 diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB3	C10F111	Type II diabetes mellitus with ophthalmic complications
Type2Diabetes	T2DIAB3	C10F200	Type 2 diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB3	C10F211	Type II diabetes mellitus with neurological complications
Type2Diabetes	T2DIAB3	C10F300	Type 2 diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB3	C10F311	Type II diabetes mellitus with multiple complications
Type2Diabetes	T2DIAB3	C10F400	Type 2 diabetes mellitus with ulcer
Type2Diabetes	T2DIAB3	C10F411	Type II diabetes mellitus with ulcer
Type2Diabetes	T2DIAB3	C10F500	Type 2 diabetes mellitus with gangrene
Type2Diabetes	T2DIAB3	C10F511	Type II diabetes mellitus with gangrene
Type2Diabetes	T2DIAB3	C10F600	Type 2 diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB3	C10F611	Type II diabetes mellitus with retinopathy
Type2Diabetes	T2DIAB3	C10F700	Type 2 diabetes mellitus - poor control
Type2Diabetes	T2DIAB3	C10F711	Type II diabetes mellitus - poor control
Type2Diabetes	T2DIAB3	C10F900	Type 2 diabetes mellitus without complication
Type2Diabetes	T2DIAB3	C10F911	Type II diabetes mellitus without complication
Type2Diabetes	T2DIAB3	C10FA00	Type 2 diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB3	C10FA11	Type II diabetes mellitus with mononeuropathy
Type2Diabetes	T2DIAB3	C10FB00	Type 2 diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB3	C10FB11	Type II diabetes mellitus with polyneuropathy
Type2Diabetes	T2DIAB3	C10FC00	Type 2 diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB3	C10FC11	Type II diabetes mellitus with nephropathy
Type2Diabetes	T2DIAB3	C10FD00	Type 2 diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB3	C10FD11	Type II diabetes mellitus with hypoglycaemic coma
Type2Diabetes	T2DIAB3	C10FE00	Type 2 diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB3	C10FE11	Type II diabetes mellitus with diabetic cataract
Type2Diabetes	T2DIAB3	C10FF00	Type 2 diabetes mellitus with peripheral angiopathy
Type2Diabetes	T2DIAB3	C10FG00	Type 2 diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB3	C10FG11	Type II diabetes mellitus with arthropathy
Type2Diabetes	T2DIAB3	C10FH00	Type 2 diabetes mellitus with neuropathic arthropathy
Type2Diabetes	T2DIAB3	C10FJ00	Insulin treated Type 2 diabetes mellitus

Type2Diabetes	T2DIAB3	C10FJ11	Insulin treated Type II diabetes mellitus
Type2Diabetes	T2DIAB3	C10FK00	Hyperosmolar non-ketotic state in type 2 diabetes mellitus
Type2Diabetes	T2DIAB3	C10FL00	Type 2 diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB3	C10FL11	Type II diabetes mellitus with persistent proteinuria
Type2Diabetes	T2DIAB3	C10FM00	Type 2 diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB3	C10FM11	Type II diabetes mellitus with persistent microalbuminuria
Type2Diabetes	T2DIAB3	C10FN00	Type 2 diabetes mellitus with ketoacidosis
Type2Diabetes	T2DIAB3	C10FP00	Type 2 diabetes mellitus with ketoacidotic coma
Type2Diabetes	T2DIAB3	C10FQ00	Type 2 diabetes mellitus with exudative maculopathy
Type2Diabetes	T2DIAB3	C10FR00	Type 2 diabetes mellitus with gastroparesis
Type2Diabetes	T2DIAB3	ZC2CA00	Dietary advice for type II diabetes

Table S8c: Type 2 Diabetes Read codes present in codelists (646 distinct Read codes)

Code	Description	Present in the codelist			Total codelists present in
		T2DIAB1	T2DIAB2	T2DIAB3	
C100112	non-insulin dependent diabetes mellitus	Yes	Yes	Yes	3
C109.00	non-insulin dependent diabetes mellitus	Yes	Yes	Yes	3
C109.11	niddm - non-insulin dependent diabetes mellitus	Yes	Yes	Yes	3
C109.12	type 2 diabetes mellitus	Yes	Yes	Yes	3
C109.13	type ii diabetes mellitus	Yes	Yes	Yes	3
C109000	non-insulin-dependent diabetes mellitus with renal comps	Yes	Yes	Yes	3
C109011	type ii diabetes mellitus with renal complications	Yes	Yes	Yes	3
C109012	type 2 diabetes mellitus with renal complications	Yes	Yes	Yes	3
C109100	non-insulin-dependent diabetes mellitus with ophthalmic complications	Yes	Yes	Yes	3
C109111	type ii diabetes mellitus with ophthalmic complications	Yes	Yes	Yes	3
C109112	type 2 diabetes mellitus with ophthalmic complications	Yes	Yes	Yes	3
C109200	non-insulin-dependent diabetes mellitus with neuro comps	Yes	Yes	Yes	3
C109211	type ii diabetes mellitus with neurological complications	Yes	Yes	Yes	3
C109212	type 2 diabetes mellitus with neurological complications	Yes	Yes	Yes	3
C109300	non-insulin-dependent diabetes mellitus with multiple comps	Yes	Yes	Yes	3
C109400	non-insulin dependent diabetes mellitus with ulcer	Yes	Yes	Yes	3
C109411	type ii diabetes mellitus with ulcer	Yes	Yes	Yes	3
C109412	type 2 diabetes mellitus with ulcer	Yes	Yes	Yes	3
C109500	non-insulin dependent diabetes mellitus with gangrene	Yes	Yes	Yes	3
C109511	type ii diabetes mellitus with gangrene	Yes	Yes	Yes	3
C109512	type 2 diabetes mellitus with gangrene	Yes	Yes	Yes	3
C109600	non-insulin-dependent diabetes mellitus with retinopathy	Yes	Yes	Yes	3
C109611	type ii diabetes mellitus with retinopathy	Yes	Yes	Yes	3
C109612	type 2 diabetes mellitus with retinopathy	Yes	Yes	Yes	3
C109700	non-insulin dependent diabetes mellitus - poor control	Yes	Yes	Yes	3
C109711	type ii diabetes mellitus - poor control	Yes	Yes	Yes	3
C109712	type 2 diabetes mellitus - poor control	Yes	Yes	Yes	3
C109900	non-insulin-dependent diabetes mellitus without complication	Yes	Yes	Yes	3
C109A00	non-insulin dependent diabetes mellitus with mononeuropathy	Yes	Yes	Yes	3
C109A11	type ii diabetes mellitus with mononeuropathy	Yes	Yes	Yes	3
C109B00	non-insulin dependent diabetes mellitus with polyneuropathy	Yes	Yes	Yes	3
C109B11	type ii diabetes mellitus with polyneuropathy	Yes	Yes	Yes	3
C109C00	non-insulin dependent diabetes mellitus with nephropathy	Yes	Yes	Yes	3
C109C11	type ii diabetes mellitus with nephropathy	Yes	Yes	Yes	3
C109C12	type 2 diabetes mellitus with nephropathy	Yes	Yes	Yes	3
C109D00	non-insulin dependent diabetes mellitus with hypoglycaemic coma	Yes	Yes	Yes	3
C109D11	type ii diabetes mellitus with hypoglycaemic coma	Yes	Yes	Yes	3
C109D12	type 2 diabetes mellitus with hypoglycaemic coma	Yes	Yes	Yes	3

C109E00	non-insulin depend diabetes mellitus with diabetic cataract	Yes	Yes	Yes	3
C109E11	type ii diabetes mellitus with diabetic cataract	Yes	Yes	Yes	3
C109E12	type 2 diabetes mellitus with diabetic cataract	Yes	Yes	Yes	3
C109F11	type ii diabetes mellitus with peripheral angiopathy	Yes	Yes	Yes	3
C109F12	type 2 diabetes mellitus with peripheral angiopathy	Yes	Yes	Yes	3
C109G00	non-insulin dependent diabetes mellitus with arthropathy	Yes	Yes	Yes	3
C109G11	type ii diabetes mellitus with arthropathy	Yes	Yes	Yes	3
C109G12	type 2 diabetes mellitus with arthropathy	Yes	Yes	Yes	3
C109H11	type ii diabetes mellitus with neuropathic arthropathy	Yes	Yes	Yes	3
C109H12	type 2 diabetes mellitus with neuropathic arthropathy	Yes	Yes	Yes	3
C109J00	insulin treated type 2 diabetes mellitus	Yes	Yes	Yes	3
C109J11	insulin treated non-insulin dependent diabetes mellitus	Yes	Yes	Yes	3
C109J12	insulin treated type ii diabetes mellitus	Yes	Yes	Yes	3
C109K00	hyperosmolar non-ketotic state in type 2 diabetes mellitus	Yes	Yes	Yes	3
C10F.00	type 2 diabetes mellitus	Yes	Yes	Yes	3
C10F.11	type ii diabetes mellitus	Yes	Yes	Yes	3
C10F000	type 2 diabetes mellitus with renal complications	Yes	Yes	Yes	3
C10F011	type ii diabetes mellitus with renal complications	Yes	Yes	Yes	3
C10F100	type 2 diabetes mellitus with ophthalmic complications	Yes	Yes	Yes	3
C10F111	type ii diabetes mellitus with ophthalmic complications	Yes	Yes	Yes	3
C10F200	type 2 diabetes mellitus with neurological complications	Yes	Yes	Yes	3
C10F211	type ii diabetes mellitus with neurological complications	Yes	Yes	Yes	3
C10F300	type 2 diabetes mellitus with multiple complications	Yes	Yes	Yes	3
C10F311	type ii diabetes mellitus with multiple complications	Yes	Yes	Yes	3
C10F400	type 2 diabetes mellitus with ulcer	Yes	Yes	Yes	3
C10F411	type ii diabetes mellitus with ulcer	Yes	Yes	Yes	3
C10F500	type 2 diabetes mellitus with gangrene	Yes	Yes	Yes	3
C10F511	type ii diabetes mellitus with gangrene	Yes	Yes	Yes	3
C10F600	type 2 diabetes mellitus with retinopathy	Yes	Yes	Yes	3
C10F611	type ii diabetes mellitus with retinopathy	Yes	Yes	Yes	3
C10F700	type 2 diabetes mellitus - poor control	Yes	Yes	Yes	3
C10F711	type ii diabetes mellitus - poor control	Yes	Yes	Yes	3
C10F900	type 2 diabetes mellitus without complication	Yes	Yes	Yes	3
C10F911	type ii diabetes mellitus without complication	Yes	Yes	Yes	3
C10FA00	type 2 diabetes mellitus with mononeuropathy	Yes	Yes	Yes	3
C10FA11	type ii diabetes mellitus with mononeuropathy	Yes	Yes	Yes	3
C10FB00	type 2 diabetes mellitus with polyneuropathy	Yes	Yes	Yes	3
C10FB11	type ii diabetes mellitus with polyneuropathy	Yes	Yes	Yes	3
C10FC00	type 2 diabetes mellitus with nephropathy	Yes	Yes	Yes	3
C10FC11	type ii diabetes mellitus with nephropathy	Yes	Yes	Yes	3
C10FD00	type 2 diabetes mellitus with hypoglycaemic coma	Yes	Yes	Yes	3
C10FD11	type ii diabetes mellitus with hypoglycaemic coma	Yes	Yes	Yes	3

C10FE00	type 2 diabetes mellitus with diabetic cataract	Yes	Yes	Yes	3
C10FE11	type ii diabetes mellitus with diabetic cataract	Yes	Yes	Yes	3
C10FF00	type 2 diabetes mellitus with peripheral angiopathy	Yes	Yes	Yes	3
C10FG11	type ii diabetes mellitus with arthropathy	Yes	Yes	Yes	3
C10FH00	type 2 diabetes mellitus with neuropathic arthropathy	Yes	Yes	Yes	3
C10FJ00	insulin treated type 2 diabetes mellitus	Yes	Yes	Yes	3
C10FJ11	insulin treated type ii diabetes mellitus	Yes	Yes	Yes	3
C10FK00	hyperosmolar non-ketotic state in type 2 diabetes	Yes	Yes	Yes	3
C10FL00	type 2 diabetes mellitus with persistent proteinuria	Yes	Yes	Yes	3
C10FL11	type ii diabetes mellitus with persistent proteinuria	Yes	Yes	Yes	3
C10FM00	type 2 diabetes mellitus with persistent microalbuminuria	Yes	Yes	Yes	3
C10FM11	type ii diabetes mellitus with persistent microalbuminuria	Yes	Yes	Yes	3
C10FN00	type 2 diabetes mellitus with ketoacidosis	Yes	Yes	Yes	3
C10FP00	type 2 diabetes mellitus with ketoacidotic coma	Yes	Yes	Yes	3
C10FQ00	type 2 diabetes mellitus with exudative maculopathy	Yes	Yes	Yes	3
C10FR00	type 2 diabetes mellitus with gastroparesis	Yes	Yes	Yes	3
66Ao.00	diabetes type 2 review	Yes	No	Yes	2
66At100	type ii diabetic dietary review	Yes	No	Yes	2
66At111	type 2 diabetic dietary review	Yes	No	Yes	2
C109312	type 2 diabetes mellitus with multiple complications	Yes	Yes	No	2
C109911	type ii diabetes mellitus without complication	Yes	Yes	No	2
C109912	type 2 diabetes mellitus without complication	Yes	Yes	No	2
C109B12	type 2 diabetes mellitus with polyneuropathy	Yes	Yes	No	2
C10D.00	diabetes mellitus autosomal dominant type 2	Yes	No	Yes	2
C10FF11	type ii diabetes mellitus with peripheral angiopathy	Yes	Yes	No	2
C10FG00	type 2 diabetes mellitus with arthropathy	Yes	No	Yes	2
C10FH11	type ii diabetes mellitus with neuropathic arthropathy	Yes	Yes	No	2
C10FK11	hyperosmolar non-ketotic state in type ii diabetes mellitus	Yes	Yes	No	2
C10FN11	type ii diabetes mellitus with ketoacidosis	Yes	Yes	No	2
ZC2CA00	dietary advice for type ii diabetes	Yes	No	Yes	2
1154200	no significant family history of diabetes	Yes	No	No	1
1228	no family history diabetes	Yes	No	No	1
1252	fh: diabetes mellitus	Yes	No	No	1
1252000	family history of diabetes mellitus type 1	Yes	No	No	1
1252100	family history of diabetes mellitus type 2	Yes	No	No	1
1252111	family history of diabetes mellitus type ii	Yes	No	No	1
1253	fh: diabetes mellitus in first degree relative	Yes	No	No	1
12G2.00	fh: diabetes in pregnancy	Yes	No	No	1
13AB.00	diabetic lipid lowering diet	Yes	No	No	1
13AC.00	diabetic weight reducing diet	Yes	No	No	1
13B1.00	diabetic diet	Yes	No	No	1
13B1000	diabetic carbohydrate counting diet	Yes	No	No	1

13L4.11	diabetic child	Yes	No	No	1
13LZ.11	diabetic relative	Yes	No	No	1
13Y1.00	diabetic association member	Yes	No	No	1
1434	h/o: diabetes mellitus	Yes	No	No	1
14F4.00	h/o: admission in last year for diabetes foot problems	Yes	No	No	1
14O8.00	at risk of diabetes mellitus	Yes	No	No	1
14O8000	high risk of diabetes mellitus	Yes	No	No	1
1I0..00	diabetes mellitus excluded	Yes	No	No	1
1IA..00	no evidence of diabetic nephropathy	Yes	No	No	1
1JL..00	suspected diabetes mellitus	Yes	No	No	1
1M8..00	diabetic peripheral neuropathic pain	Yes	No	No	1
2126300	diabetes resolved	Yes	No	No	1
212H.00	diabetes resolved	Yes	No	No	1
2BBF.00	retinal abnormality - diabetes related	Yes	No	No	1
2BBG.00	retinal abnormality - non-diabetes	Yes	No	No	1
2BBJ.00	o/e - no right diabetic retinopathy	Yes	No	No	1
2BBK.00	o/e - no left diabetic retinopathy	Yes	No	No	1
2BBL.00	o/e - diabetic maculopathy present both eyes	Yes	No	No	1
2BBM.00	o/e - diabetic maculopathy absent both eyes	Yes	No	No	1
2BBP.00	o/e - right eye background diabetic retinopathy	Yes	No	No	1
2BBQ.00	o/e - left eye background diabetic retinopathy	Yes	No	No	1
2BBR.00	o/e - right eye preproliferative diabetic retinopathy	Yes	No	No	1
2BBS.00	o/e - left eye preproliferative diabetic retinopathy	Yes	No	No	1
2BBT.00	o/e - right eye proliferative diabetic retinopathy	Yes	No	No	1
2BBV.00	o/e - left eye proliferative diabetic retinopathy	Yes	No	No	1
2BBW.00	o/e - right eye diabetic maculopathy	Yes	No	No	1
2BBX.00	o/e - left eye diabetic maculopathy	Yes	No	No	1
2BBk.00	o/e - right eye stable treated proliferative diabetic retinopathy	Yes	No	No	1
2BBi.00	o/e - left eye stable treated proliferative diabetic retinopathy	Yes	No	No	1
2BBo.00	o/e - sight threatening diabetic retinopathy	Yes	No	No	1
2BBr.00	impaired vision due to diabetic retinopathy	Yes	No	No	1
2G51000	foot abnormality - diabetes related	Yes	No	No	1
2G51100	foot abnormality - non-diabetes	Yes	No	No	1
2G5A.00	o/e - right diabetic foot at risk	Yes	No	No	1
2G5B.00	o/e - left diabetic foot at risk	Yes	No	No	1
2G5C.00	foot abnormality - diabetes related	Yes	No	No	1
2G5D.00	foot abnormality - non-diabetes	Yes	No	No	1
2G5E.00	o/e - right diabetic foot at low risk	Yes	No	No	1
2G5F.00	o/e - right diabetic foot at moderate risk	Yes	No	No	1
2G5G.00	o/e - right diabetic foot at high risk	Yes	No	No	1
2G5H.00	o/e - right diabetic foot - ulcerated	Yes	No	No	1
2G5I.00	o/e - left diabetic foot at low risk	Yes	No	No	1

2G5J.00	o/e - left diabetic foot at moderate risk	Yes	No	No	1
2G5K.00	o/e - left diabetic foot at high risk	Yes	No	No	1
2G5L.00	o/e - left diabetic foot - ulcerated	Yes	No	No	1
2G5V.00	o/e - right chronic diabetic foot ulcer	Yes	No	No	1
2G5W.00	o/e - left chronic diabetic foot ulcer	Yes	No	No	1
2G5d.00	o/e - left diabetic foot at increased risk	Yes	No	No	1
2G5e.00	o/e - right diabetic foot at increased risk	Yes	No	No	1
3881	education score - diabetes	Yes	No	No	1
3882	diabetes well being questionnaire	Yes	No	No	1
3883	diabetes treatment satisfaction questionnaire	Yes	No	No	1
38DE.00	Cong heart fail, hypertension, age, diabetes, stroke 2 risk score	Yes	No	No	1
38DK.00	finnish diabetes risk score	Yes	No	No	1
38DM.00	age, blood pressure, clinical features, duration, diabetes 2 stroke risk score	Yes	No	No	1
38Gj.00	qdiabetes risk calculator	Yes	No	No	1
38Gv.00	diabetes uk diabetes risk score	Yes	No	No	1
42W..00	hb. a1c - diabetic control	Yes	No	No	1
42WZ.00	hb. a1c - diabetic control nos	Yes	No	No	1
42c..00	hba1 - diabetic control	Yes	No	No	1
44V3.00	glucose tol. test diabetic	Yes	No	No	1
46Z0.00	urine screening test for diabetes	Yes	No	No	1
661M400	diabetes self-management plan agreed	Yes	No	No	1
661N400	diabetes self-management plan review	Yes	No	No	1
66A..00	diabetic monitoring	Yes	No	No	1
66A1.00	initial diabetic assessment	Yes	No	No	1
66A2.00	follow-up diabetic assessment	Yes	No	No	1
66A3.00	diabetic on diet only	Yes	No	No	1
66A4.00	diabetic on oral treatment	Yes	No	No	1
66A5.00	diabetic on insulin	Yes	No	No	1
66A8.00	has seen dietician - diabetes	Yes	No	No	1
66A9.00	understands diet - diabetes	Yes	No	No	1
66AA.11	injection sites - diabetic	Yes	No	No	1
66AD.00	fundoscopy - diabetic check	Yes	No	No	1
66AG.00	diabetic drug side effects	Yes	No	No	1
66AH.00	diabetic treatment changed	Yes	No	No	1
66AH200	conversion to insulin by diabetes specialist nurse	Yes	No	No	1
66AI.00	diabetic - good control	Yes	No	No	1
66AJ.00	diabetic - poor control	Yes	No	No	1
66AJ.11	unstable diabetes	Yes	No	No	1
66AJ100	brittle diabetes	Yes	No	No	1
66AJz00	diabetic - poor control nos	Yes	No	No	1
66AK.00	diabetic - cooperative patient	Yes	No	No	1
66AL.00	diabetic-uncooperative patient	Yes	No	No	1

66AM.00	diabetic - follow-up default	Yes	No	No	1
66AN.00	date diabetic treatment start	Yes	No	No	1
66AO.00	date diabetic treatment stopped	Yes	No	No	1
66AP.00	diabetes: practice programme	Yes	No	No	1
66AQ.00	diabetes: shared care programme	Yes	No	No	1
66AQ000	unsuitable for diabetes year of care programme	Yes	No	No	1
66AQ100	declined consent for diabetes year of care program	Yes	No	No	1
66AR.00	diabetes management plan given	Yes	No	No	1
66AS.00	diabetic annual review	Yes	No	No	1
66AS000	diabetes year of care annual review	Yes	No	No	1
66AT.00	annual diabetic blood test	Yes	No	No	1
66AU.00	diabetes care by hospital only	Yes	No	No	1
66AV.00	diabetic on insulin and oral treatment	Yes	No	No	1
66AW.00	diabetic foot risk assessment	Yes	No	No	1
66AX.00	diabetes: shared care in pregnancy - diabetol and obstet	Yes	No	No	1
66AY.00	diabetic diet - good compliance	Yes	No	No	1
66AZ.00	diabetic monitoring nos	Yes	No	No	1
66Aa.00	diabetic diet - poor compliance	Yes	No	No	1
66Ab.00	diabetic foot examination	Yes	No	No	1
66Ac.00	diabetic peripheral neuropathy screening	Yes	No	No	1
66Af.00	patient diabetes education review	Yes	No	No	1
66Ai.00	diabetic 6 month review	Yes	No	No	1
66Ak.00	diabetic monitoring - lower risk albumin excretion	Yes	No	No	1
66Al.00	diabetic monitoring - higher risk albumin excretion	Yes	No	No	1
66An.00	diabetes type 1 review	Yes	No	No	1
66Aq.00	diabetic foot screen	Yes	No	No	1
66As.00	diabetic on subcutaneous treatment	Yes	No	No	1
66At.00	diabetic dietary review	Yes	No	No	1
66At000	type i diabetic dietary review	Yes	No	No	1
66At011	type 1 diabetic dietary review	Yes	No	No	1
66Au.00	diabetic erectile dysfunction review	Yes	No	No	1
66Av.00	diabetic assessment of erectile dysfunction	Yes	No	No	1
66Az.00	high risk of diabetes mellitus annual review	Yes	No	No	1
66b1.00	diabetic monitoring not required	Yes	No	No	1
66o..00	further diabetic monitoring	Yes	No	No	1
66o1.00	enquiry about diabetic erectile dysfunction declined	Yes	No	No	1
66o2.00	diabetic on non-insulin injectable medication	Yes	No	No	1
66o5.00	diabetic on oral treatment and glucagon-like peptide	Yes	No	No	1
6761	diabetic pre-pregnancy counselling	Yes	No	No	1
679L.00	health education - diabetes	Yes	No	No	1
679L000	education in self management of diabetes	Yes	No	No	1
679L200	education about diabetes and driving	Yes	No	No	1

679L211	advice about diabetes and driving	Yes	No	No	1
679L300	diabetic foot care education	Yes	No	No	1
679R.00	patient offered diabetes structured education prog	Yes	No	No	1
679I.00	diabetic injection administration education	Yes	No	No	1
67D8.00	provision of diabetes clinical summary	Yes	No	No	1
67H9.00	education about lifestyle for risk of diabetes	Yes	No	No	1
67HA.00	lifestyle education for diabetes	Yes	No	No	1
67IJ100	pre-conception advice for diabetes mellitus	Yes	No	No	1
67W1.00	recommendation self-refer for diabetes structured	Yes	No	No	1
6872	diabetes mellitus screen	Yes	No	No	1
68A7.00	diabetic retinopathy screening	Yes	No	No	1
68A9.00	diabetic retinopathy screening offered	Yes	No	No	1
68AB.00	diabetic digital retinopathy screening offered	Yes	No	No	1
7276	pan retinal photocoagulation for diabetes	Yes	No	No	1
889A.00	diab mellit insulin-glucose infus acute myocardial	Yes	No	No	1
8A12.00	diabetic crisis monitoring	Yes	No	No	1
8A13.00	diabetic stabilisation	Yes	No	No	1
8B3I.00	diabetes medication review	Yes	No	No	1
8BL2.00	patient on maximal tolerated therapy for diabetes	Yes	No	No	1
8CA4100	pt advised re diabetic diet	Yes	No	No	1
8CE0.00	diabetic leaflet given	Yes	No	No	1
8CMW700	diabetes clinical pathway	Yes	No	No	1
8CP2.00	transition of diabetes care options discussed	Yes	No	No	1
8CR2.00	diabetes clinical management plan	Yes	No	No	1
8CS0.00	diabetes care plan agreed	Yes	No	No	1
8H2J.00	admit diabetic emergency	Yes	No	No	1
8H3O.00	non-urgent diabetic admission	Yes	No	No	1
8H4F.00	referral to diabetologist	Yes	No	No	1
8H4e.00	referral to diabetes special interest general practice	Yes	No	No	1
8H7C.00	refer, diabetic liaison nurse	Yes	No	No	1
8H7f.00	referral to diabetes nurse	Yes	No	No	1
8H7r.00	refer to diabetic foot screener	Yes	No	No	1
8HBG.00	diabetic retinopathy 12 month review	Yes	No	No	1
8HBH.00	diabetic retinopathy 6 month review	Yes	No	No	1
8HHy.00	referral to diabetic register	Yes	No	No	1
8HKE.00	diabetology d.v. requested	Yes	No	No	1
8HLE.00	diabetology d.v. done	Yes	No	No	1
8HME.00	listed for diabetology admissn	Yes	No	No	1
8HTE100	referral to community diabetes clinic	Yes	No	No	1
8HTe.00	referral to diabetes preconception counselling cli	Yes	No	No	1
8HTi.00	referral to multidisciplinary diabetic clinic	Yes	No	No	1
8HTk.00	referral to diabetic eye clinic	Yes	No	No	1

8HVU.00	private referral to diabetologist	Yes	No	No	1
8Hg4.00	discharged from care of diabetes specialist nurse	Yes	No	No	1
8HgC.00	discharged from diabetes shared care programme	Yes	No	No	1
8Hj0.00	referral to diabetes structured education programme	Yes	No	No	1
8Hj1.00	family/carer referral to diabetes structured education programme	Yes	No	No	1
8Hj3.00	referral to dafne diabetes structured education programme	Yes	No	No	1
8Hj4.00	referral to desmond diabetes structured education programme	Yes	No	No	1
8Hj5.00	referral to xpert diabetes structured education programme	Yes	No	No	1
8Hl1.00	referral for diabetic retinopathy screening	Yes	No	No	1
8Hl4.00	referral to community diabetes specialist nurse	Yes	No	No	1
8Hlc.00	referral to community diabetes service	Yes	No	No	1
8l3W.00	diabetic foot examination declined	Yes	No	No	1
8l3X.00	diabetic retinopathy screening refused	Yes	No	No	1
8l57.00	patient held diabetic record declined	Yes	No	No	1
8l6F.00	diabetic retinopathy screening not indicated	Yes	No	No	1
8l6G.00	diabetic foot examination not indicated	Yes	No	No	1
8l81.00	did not complete diabetes structured education programme	Yes	No	No	1
8l82.00	did not complete dafne diabetes structured education programme	Yes	No	No	1
8l83.00	did not complete desmond diabetes structured education programme	Yes	No	No	1
8l84.00	did not complete xpert diabetes structured education programme	Yes	No	No	1
8l94.00	diabetes structured education programme not available	Yes	No	No	1
8lAs.00	diabetic dietary review declined	Yes	No	No	1
8lE2.00	diabetes care plan declined	Yes	No	No	1
8lEQ.00	referral to community diabetes specialist nurse declined	Yes	No	No	1
8lEa.00	referral to dafne diabetes structured education programme declined	Yes	No	No	1
8OA3.00	provision of written information about diabetes and driving	Yes	No	No	1
8OAH.00	provision of written information about diabetes and high blood pressure	Yes	No	No	1
8OAK.00	provision written information about diabetes & high cholesterol	Yes	No	No	1
9l8T.00	diabetes key contact	Yes	No	No	1
9360	patient held diabetic record issued	Yes	No	No	1
93C4.00	patient consent given for addition to diabetic reg	Yes	No	No	1
9M00.00	informed consent for diabetes national audit	Yes	No	No	1
9Ml0.00	informed dissent for diabetes national audit	Yes	No	No	1
9N0m.00	seen in diabetic nurse consultant clinic	Yes	No	No	1
9N0n.00	seen in community diabetes specialist clinic	Yes	No	No	1
9N0o.00	seen in community diabetic specialist nurse clinic	Yes	No	No	1
9NlQ.00	seen in diabetic clinic	Yes	No	No	1
9Nli.00	seen in diabetic foot clinic	Yes	No	No	1
9Nlo.00	seen in multidisciplinary diabetic clinic	Yes	No	No	1
9Nlv.00	seen in diabetic eye clinic	Yes	No	No	1
9N2d.00	seen by diabetologist	Yes	No	No	1
9N2i.00	seen by diabetic liaison nurse	Yes	No	No	1

9N4I.00	dna - did not attend diabetic clinic	Yes	No	No	1
9N4p.00	did not attend diabetic retinopathy clinic	Yes	No	No	1
9NJy.00	in-house diabetic foot screening	Yes	No	No	1
9NM0.00	attending diabetes clinic	Yes	No	No	1
9NN8.00	under care of diabetologist	Yes	No	No	1
9NN9.00	under care of diabetes specialist nurse	Yes	No	No	1
9NND.00	under care of diabetic foot screener	Yes	No	No	1
9NiA.00	did not attend diabetes structured education programme	Yes	No	No	1
9NiC.00	did not attend dafne diabetes structured education	Yes	No	No	1
9NiD.00	did not attend desmond diabetes structured education programme	Yes	No	No	1
9NiE.00	did not attend xpert diabetes structured education	Yes	No	No	1
9NiZ.00	did not attend diabetes foot screening	Yes	No	No	1
9NI4.00	seen by general practitioner special interest in d	Yes	No	No	1
9OL..00	diabetes monitoring admin.	Yes	No	No	1
9OL..11	diabetes clinic administration	Yes	No	No	1
9OL1.00	attends diabetes monitoring	Yes	No	No	1
9OL2.00	refuses diabetes monitoring	Yes	No	No	1
9OL3.00	diabetes monitoring default	Yes	No	No	1
9OL4.00	diabetes monitoring 1st letter	Yes	No	No	1
9OL5.00	diabetes monitoring 2nd letter	Yes	No	No	1
9OL6.00	diabetes monitoring 3rd letter	Yes	No	No	1
9OL7.00	diabetes monitor.verbal invite	Yes	No	No	1
9OL8.00	diabetes monitor.phone invite	Yes	No	No	1
9OL9.00	diabetes monitoring deleted	Yes	No	No	1
9OLA.00	diabetes monitor. check done	Yes	No	No	1
9OLA.11	diabetes monitored	Yes	No	No	1
9OLB.00	attended diabetes structured education programme	Yes	No	No	1
9OLC.00	family/carers attended diabetes structured education programme	Yes	No	No	1
9OLD.00	diabetic patient unsuitable for digital retinal photography	Yes	No	No	1
9OLF.00	diabetes structured education programme completed	Yes	No	No	1
9OLG.00	attended xpert diabetes structured education programme	Yes	No	No	1
9OLH.00	attended dafne diabetes structured education programme	Yes	No	No	1
9OLJ.00	dafne diabetes structured education programme completed	Yes	No	No	1
9OLK.00	desmond diabetes structured education programme completed	Yes	No	No	1
9OLL.00	xpert diabetes structured education programme completed	Yes	No	No	1
9OLM.00	diabetes structured education programme declined	Yes	No	No	1
9OLN.00	diabetes monitor invitation by sms (short message)	Yes	No	No	1
9OLZ.00	diabetes monitoring admin.nos	Yes	No	No	1
9Oy..00	diabetes screening administration	Yes	No	No	1
9Oy0.00	diabetes screening invitation	Yes	No	No	1
9Oy0000	diabetic foot screening invitation	Yes	No	No	1
9Oy0200	diabetic foot screening invitation first letter	Yes	No	No	1

9Oy0300	diabetic foot screening invitation second letter	Yes	No	No	1
9Oy0400	diabetic foot screening invitation third letter	Yes	No	No	1
9b92000	diabetic medicine	Yes	No	No	1
9h4..00	exception reporting: diabetes quality indicators	Yes	No	No	1
9h41.00	excepted from diabetes qual indicators: patient un	Yes	No	No	1
9h42.00	excepted from diabetes quality indicators: informed dissent	Yes	No	No	1
9h43.00	excepted from diabetes qual indicators: service un	Yes	No	No	1
9m0..00	diabetic retinopathy screening administrative stat	Yes	No	No	1
9m00.00	eligible for diabetic retinopathy screening	Yes	No	No	1
9m01.00	ineligible for diabetic retinopathy screening	Yes	No	No	1
9m02.00	eligibility temporarily inactive for diabetic retinopathy screening	Yes	No	No	1
9m03.00	eligibility permanently inactive for diabetic retinopathy screening	Yes	No	No	1
9m04.00	excluded from diabetic retinopathy screening	Yes	No	No	1
9m05.00	excluded from diabetic retinopathy screening as moved away	Yes	No	No	1
9m06.00	excluded from diabetic retinopathy screening as deceased	Yes	No	No	1
9m07.00	excluded diabetc retinopathy screening as under care of ophthalmologist	Yes	No	No	1
9m08.00	excluded from diabetic retinopathy screening as blind	Yes	No	No	1
9m09.00	excluded from diabetic retinopathy screen as no longer diabetic	Yes	No	No	1
9m0A.00	declined diabetic retinopathy screening	Yes	No	No	1
9m0B.00	excluded from diabetic retinopathy screening as no current contact details	Yes	No	No	1
9m0C.00	excluded frm diabetic retinopathy screen as terminal illness	Yes	No	No	1
9m0D.00	excluded from diabetic retinopathy screen as learning disability	Yes	No	No	1
9m0E.00	excluded from diabetic retinopathy screen physical disorder	Yes	No	No	1
C10..00	diabetes mellitus	Yes	No	No	1
C100.00	diabetes mellitus with no mention of complication	Yes	No	No	1
C100000	diabetes mellitus, juvenile type, no mention of complication	Yes	No	No	1
C100011	insulin dependent diabetes mellitus	Yes	No	No	1
C100100	diabetes mellitus, adult onset, no mention of comp	Yes	No	No	1
C100111	maturity onset diabetes	Yes	No	No	1
C100z00	diabetes mellitus nos with no mention of complication	Yes	No	No	1
C101.00	diabetes mellitus with ketoacidosis	Yes	No	No	1
C101000	diabetes mellitus, juvenile type, with ketoacidosis	Yes	No	No	1
C101100	diabetes mellitus, adult onset, with ketoacidosis	Yes	No	No	1
C101z00	diabetes mellitus nos with ketoacidosis	Yes	No	No	1
C102.00	diabetes mellitus with hyperosmolar coma	Yes	No	No	1
C102000	diabetes mellitus, juvenile type, with hyperosmolar	Yes	No	No	1
C102100	diabetes mellitus, adult onset, with hyperosmolar	Yes	No	No	1
C102z00	diabetes mellitus nos with hyperosmolar coma	Yes	No	No	1
C103.00	diabetes mellitus with ketoacidotic coma	Yes	No	No	1
C103000	diabetes mellitus, juvenile type, with ketoacidotic	Yes	No	No	1
C103100	diabetes mellitus, adult onset, with ketoacidotic	Yes	No	No	1
C103y00	other specified diabetes mellitus with coma	No	Yes	No	1

C103z00	diabetes mellitus nos with ketoacidotic coma	Yes	No	No	1
C104.00	diabetes mellitus with renal manifestation	Yes	No	No	1
C104.11	diabetic nephropathy	Yes	No	No	1
C104000	diabetes mellitus, juvenile type, with renal manifestation	Yes	No	No	1
C104100	diabetes mellitus, adult onset, with renal manifestation	Yes	No	No	1
C104z00	diabetes mellitus with nephropathy nos	Yes	No	No	1
C105.00	diabetes mellitus with ophthalmic manifestation	Yes	No	No	1
C105000	diabetes mellitus, juvenile type, + ophthalmic man	Yes	No	No	1
C105100	diabetes mellitus, adult onset, + ophthalmic manifestaton	Yes	No	No	1
C105z00	diabetes mellitus nos with ophthalmic manifestation	Yes	No	No	1
C106.00	diabetes mellitus with neurological manifestation	Yes	No	No	1
C106.11	diabetic amyotrophy	Yes	No	No	1
C106.12	diabetes mellitus with neuropathy	Yes	No	No	1
C106.13	diabetes mellitus with polyneuropathy	Yes	No	No	1
C106000	diabetes mellitus, juvenile, + neurological manifestation	Yes	No	No	1
C106100	diabetes mellitus, adult onset, + neurological man	Yes	No	No	1
C106z00	diabetes mellitus nos with neurological manifestation	Yes	No	No	1
C107.00	diabetes mellitus with peripheral circulatory disorder	Yes	No	No	1
C107.11	diabetes mellitus with gangrene	Yes	No	No	1
C107.12	diabetes with gangrene	Yes	No	No	1
C107000	diabetes mellitus, juvenile +peripheral circulator	Yes	No	No	1
C107100	diabetes mellitus, adult, + peripheral circulatory	Yes	No	No	1
C107200	diabetes mellitus, adult with gangrene	Yes	No	No	1
C107z00	diabetes mellitus nos with peripheral circulatory	Yes	No	No	1
C108.00	insulin dependent diabetes mellitus	Yes	No	No	1
C108.11	iddm-insulin dependent diabetes mellitus	Yes	No	No	1
C108.12	type 1 diabetes mellitus	Yes	No	No	1
C108.13	type i diabetes mellitus	Yes	No	No	1
C108000	insulin-dependent diabetes mellitus with renal com	Yes	No	No	1
C108011	type i diabetes mellitus with renal complications	Yes	No	No	1
C108012	type 1 diabetes mellitus with renal complications	Yes	No	No	1
C108100	insulin-dependent diabetes mellitus with ophthalmic complications	Yes	No	No	1
C108112	type 1 diabetes mellitus with ophthalmic complications	Yes	No	No	1
C108200	insulin-dependent diabetes mellitus with neurological complications	Yes	No	No	1
C108211	type i diabetes mellitus with neurological complications	Yes	No	No	1
C108212	type 1 diabetes mellitus with neurological complications	Yes	No	No	1
C108300	insulin dependent diabetes mellitus with multiple complications	Yes	No	No	1
C108311	type i diabetes mellitus with multiple complications	Yes	No	No	1
C108400	unstable insulin dependent diabetes mellitus	Yes	No	No	1
C108411	unstable type i diabetes mellitus	Yes	No	No	1
C108412	unstable type 1 diabetes mellitus	Yes	No	No	1
C108500	insulin dependent diabetes mellitus with ulcer	Yes	No	No	1

C108511	type i diabetes mellitus with ulcer	Yes	No	No	1
C108512	type 1 diabetes mellitus with ulcer	Yes	No	No	1
C108600	insulin dependent diabetes mellitus with gangrene	Yes	No	No	1
C108700	insulin dependent diabetes mellitus with retinopathy	Yes	No	No	1
C108711	type i diabetes mellitus with retinopathy	Yes	No	No	1
C108712	type 1 diabetes mellitus with retinopathy	Yes	No	No	1
C108800	insulin dependent diabetes mellitus - poor control	Yes	No	No	1
C108811	type i diabetes mellitus - poor control	Yes	No	No	1
C108812	type 1 diabetes mellitus - poor control	Yes	No	No	1
C108900	insulin dependent diabetes maturity onset	Yes	No	No	1
C108911	type i diabetes mellitus maturity onset	Yes	No	No	1
C108912	type 1 diabetes mellitus maturity onset	Yes	No	No	1
C108A00	insulin-dependent diabetes without complication	Yes	No	No	1
C108A11	type i diabetes mellitus without complication	Yes	No	No	1
C108A12	type 1 diabetes mellitus without complication	Yes	No	No	1
C108B00	insulin dependent diabetes mellitus with mononeuropathy	Yes	No	No	1
C108B11	type i diabetes mellitus with mononeuropathy	Yes	No	No	1
C108C00	insulin dependent diabetes mellitus with polyneuropathy	Yes	No	No	1
C108D00	insulin dependent diabetes mellitus with nephropathy	Yes	No	No	1
C108D11	type i diabetes mellitus with nephropathy	Yes	No	No	1
C108E00	insulin dependent diabetes mellitus with hypoglycaemic coma	Yes	No	No	1
C108E11	type i diabetes mellitus with hypoglycaemic coma	Yes	No	No	1
C108E12	type 1 diabetes mellitus with hypoglycaemic coma	Yes	No	No	1
C108F00	insulin dependent diabetes mellitus with diabetic	Yes	No	No	1
C108F11	type i diabetes mellitus with diabetic cataract	Yes	No	No	1
C108F12	type 1 diabetes mellitus with diabetic cataract	Yes	No	No	1
C108G00	insulin dependent diabetes mellitus with peripheral angiopathy	Yes	No	No	1
C108H00	insulin dependent diabetes mellitus with arthropathy	Yes	No	No	1
C108H11	type i diabetes mellitus with arthropathy	Yes	No	No	1
C108J00	insulin dependent diabetes mellitus with neuropathic arthropathy	Yes	No	No	1
C108J11	type i diabetes mellitus with neuropathic arthropathy	Yes	No	No	1
C108J12	type 1 diabetes mellitus with neuropathic arthropathy	Yes	No	No	1
C108z00	unspecified diabetes mellitus with multiple complications	Yes	No	No	1
C10A500	malnutritn-relat diabetes melitus wth periph circu	Yes	No	No	1
C10C.00	diabetes mellitus autosomal dominant	Yes	No	No	1
C10E.00	type 1 diabetes mellitus	Yes	No	No	1
C10E.11	type i diabetes mellitus	Yes	No	No	1
C10E.12	insulin dependent diabetes mellitus	Yes	No	No	1
C10E000	type 1 diabetes mellitus with renal complications	Yes	No	No	1
C10E011	type i diabetes mellitus with renal complications	Yes	No	No	1
C10E012	insulin-dependent diabetes mellitus with renal com	Yes	No	No	1
C10E100	type 1 diabetes mellitus with ophthalmic complications	Yes	No	No	1

C10E111	type i diabetes mellitus with ophthalmic complications	Yes	No	No	1
C10E112	insulin-dependent diabetes mellitus with ophthalmic complications	Yes	No	No	1
C10E200	type 1 diabetes mellitus with neurological complications	Yes	No	No	1
C10E212	insulin-dependent diabetes mellitus with neurological complications	Yes	No	No	1
C10E300	type 1 diabetes mellitus with multiple complications	Yes	No	No	1
C10E311	type i diabetes mellitus with multiple complications	Yes	No	No	1
C10E312	insulin dependent diabetes mellitus with multiple	Yes	No	No	1
C10E400	unstable type 1 diabetes mellitus	Yes	No	No	1
C10E411	unstable type i diabetes mellitus	Yes	No	No	1
C10E412	unstable insulin dependent diabetes mellitus	Yes	No	No	1
C10E500	type 1 diabetes mellitus with ulcer	Yes	No	No	1
C10E511	type i diabetes mellitus with ulcer	Yes	No	No	1
C10E512	insulin dependent diabetes mellitus with ulcer	Yes	No	No	1
C10E600	type 1 diabetes mellitus with gangrene	Yes	No	No	1
C10E611	type i diabetes mellitus with gangrene	Yes	No	No	1
C10E612	insulin dependent diabetes mellitus with gangrene	Yes	No	No	1
C10E700	type 1 diabetes mellitus with retinopathy	Yes	No	No	1
C10E711	type i diabetes mellitus with retinopathy	Yes	No	No	1
C10E712	insulin dependent diabetes mellitus with retinopathy	Yes	No	No	1
C10E800	type 1 diabetes mellitus - poor control	Yes	No	No	1
C10E811	type i diabetes mellitus - poor control	Yes	No	No	1
C10E812	insulin dependent diabetes mellitus - poor control	Yes	No	No	1
C10E900	type 1 diabetes mellitus maturity onset	Yes	No	No	1
C10E911	type i diabetes mellitus maturity onset	Yes	No	No	1
C10E912	insulin dependent diabetes maturity onset	Yes	No	No	1
C10EA00	type 1 diabetes mellitus without complication	Yes	No	No	1
C10EA11	type i diabetes mellitus without complication	Yes	No	No	1
C10EA12	insulin-dependent diabetes without complication	Yes	No	No	1
C10EB00	type 1 diabetes mellitus with mononeuropathy	Yes	No	No	1
C10EC00	type 1 diabetes mellitus with polyneuropathy	Yes	No	No	1
C10EC11	type i diabetes mellitus with polyneuropathy	Yes	No	No	1
C10EC12	insulin dependent diabetes mellitus with polyneuropathy	Yes	No	No	1
C10ED00	type 1 diabetes mellitus with nephropathy	Yes	No	No	1
C10ED12	insulin dependent diabetes mellitus with nephropathy	Yes	No	No	1
C10EE00	type 1 diabetes mellitus with hypoglycaemic coma	Yes	No	No	1
C10EE12	insulin dependent diabetes mellitus with hypoglycaemic coma	Yes	No	No	1
C10EF00	type 1 diabetes mellitus with diabetic cataract	Yes	No	No	1
C10EF12	insulin dependent diabetes mellitus with diabetic	Yes	No	No	1
C10EG00	type 1 diabetes mellitus with peripheral angiopathy	Yes	No	No	1
C10EH00	type 1 diabetes mellitus with arthropathy	Yes	No	No	1
C10EJ00	type 1 diabetes mellitus with neuropathic arthropathy	Yes	No	No	1
C10EK00	type 1 diabetes mellitus with persistent proteinuria	Yes	No	No	1

C10EL00	type 1 diabetes mellitus with persistent microalbuminuria	Yes	No	No	1
C10EL11	type i diabetes mellitus with persistent microalbuminuria	Yes	No	No	1
C10EM00	type 1 diabetes mellitus with ketoacidosis	Yes	No	No	1
C10EM11	type i diabetes mellitus with ketoacidosis	Yes	No	No	1
C10EN00	type 1 diabetes mellitus with ketoacidotic coma	Yes	No	No	1
C10EN11	type i diabetes mellitus with ketoacidotic coma	Yes	No	No	1
C10EP00	type 1 diabetes mellitus with exudative maculopathy	Yes	No	No	1
C10EP11	type i diabetes mellitus with exudative maculopathy	Yes	No	No	1
C10EQ00	type 1 diabetes mellitus with gastroparesis	Yes	No	No	1
C10EQ11	type i diabetes mellitus with gastroparesis	Yes	No	No	1
C10ER00	latent autoimmune diabetes mellitus in adult	Yes	No	No	1
C10FP11	type ii diabetes mellitus with ketoacidotic coma	Yes	No	No	1
C10FS00	maternally inherited diabetes mellitus	Yes	No	No	1
C10M.00	lipotrophic diabetes mellitus	Yes	No	No	1
C10P.00	diabetes mellitus in remission	Yes	No	No	1
C10P000	type i diabetes mellitus in remission	Yes	No	No	1
C10P011	type 1 diabetes mellitus in remission	Yes	No	No	1
C10P100	type ii diabetes mellitus in remission	Yes	No	No	1
C10P111	type 2 diabetes mellitus in remission	Yes	No	No	1
C10z.00	diabetes mellitus with unspecified complication	Yes	No	No	1
C10z000	diabetes mellitus, juvenile type, + unspecified complications	Yes	No	No	1
C10z100	diabetes mellitus, adult onset, + unspecified complications	Yes	No	No	1
C10zz00	diabetes mellitus nos with unspecified complications	Yes	No	No	1
C11y500	pre-diabetes	Yes	No	No	1
C314.11	renal diabetes	Yes	No	No	1
C350011	bronzed diabetes	Yes	No	No	1
Cyu2.00	[x]diabetes mellitus	Yes	No	No	1
Cyu2300	[x]unspecified diabetes mellitus with renal complications	Yes	No	No	1
F171100	autonomic neuropathy due to diabetes	Yes	No	No	1
F345000	diabetic mononeuritis multiplex	Yes	No	No	1
F35z000	diabetic mononeuritis nos	Yes	No	No	1
F372.00	polyneuropathy in diabetes	Yes	No	No	1
F372.11	diabetic polyneuropathy	Yes	No	No	1
F372.12	diabetic neuropathy	Yes	No	No	1
F372000	acute painful diabetic neuropathy	Yes	No	No	1
F372100	chronic painful diabetic neuropathy	Yes	No	No	1
F372200	asymptomatic diabetic neuropathy	Yes	No	No	1
F381311	diabetic amyotrophy	Yes	No	No	1
F3y0.00	diabetic mononeuropathy	Yes	No	No	1
F420.00	diabetic retinopathy	Yes	No	No	1
F420000	background diabetic retinopathy	Yes	No	No	1
F420100	proliferative diabetic retinopathy	Yes	No	No	1

F420200	preproliferative diabetic retinopathy	Yes	No	No	1
F420300	advanced diabetic maculopathy	Yes	No	No	1
F420400	diabetic maculopathy	Yes	No	No	1
F420500	advanced diabetic retinal disease	Yes	No	No	1
F420600	non proliferative diabetic retinopathy	Yes	No	No	1
F420700	high risk proliferative diabetic retinopathy	Yes	No	No	1
F420800	high risk non proliferative diabetic retinopathy	Yes	No	No	1
F420z00	diabetic retinopathy nos	Yes	No	No	1
F440700	diabetic iritis	Yes	No	No	1
F464000	diabetic cataract	Yes	No	No	1
G73y000	diabetic peripheral angiopathy	Yes	No	No	1
K08yA00	proteinuric diabetic nephropathy	Yes	No	No	1
K08yA11	clinical diabetic nephropathy	Yes	No	No	1
K27y700	erectile dysfunction due to diabetes mellitus	Yes	No	No	1
Kyu0300	[x]glomerular disorders in diabetes mellitus	Yes	No	No	1
L180.00	Diabetes mellitus during pregnancy/childbirth/puerperium	Yes	No	No	1
L180000	Diabetes mellitus - unspecified whether in pregnancy/ puerperium	Yes	No	No	1
L180100	diabetes mellitus during pregnancy - baby delivered	Yes	No	No	1
L180300	diabetes mellitus during pregnancy - baby not yet delivered	Yes	No	No	1
L180400	diabetes mellitus in puerperium - baby previously delivered	Yes	No	No	1
L180500	pre-existing diabetes mellitus, insulin-dependent	Yes	No	No	1
L180600	pre-existing diabetes mellitus, non-insulin-depend	Yes	No	No	1
L180800	diabetes mellitus arising in pregnancy	Yes	No	No	1
L180X00	pre-existing diabetes mellitus, unspecified	Yes	No	No	1
L180z00	diabetes mellitus in pregnancy/childbirth/puerperium	Yes	No	No	1
M037200	cellulitis in diabetic foot	Yes	No	No	1
M271000	ischaemic ulcer diabetic foot	Yes	No	No	1
M271100	neuropathic diabetic ulcer – foot	Yes	No	No	1
M271200	mixed diabetic ulcer – foot	Yes	No	No	1
N030000	diabetic cheiroarthropathy	Yes	No	No	1
N030011	diabetic cheiropathy	Yes	No	No	1
N030100	diabetic charcot arthropathy	Yes	No	No	1
R054200	[d]gangrene of toe in diabetic	Yes	No	No	1
R054300	[d]widespread diabetic foot gangrene	Yes	No	No	1
R102.11	[d]prediabetes	Yes	No	No	1
SL23.00	insulins and antidiabetic poisoning	Yes	No	No	1
TJ23.00	adverse reaction to insulins and antidiabetic agents	Yes	No	No	1
TJ23z00	adverse reaction to insulins and antidiabetic agents	Yes	No	No	1
U602311	[x] adverse reaction to insulins and antidiabetic	Yes	No	No	1
U60231E	[x] adverse reaction to insulins and antidiabetic	Yes	No	No	1
ZC2C800	dietary advice for diabetes mellitus	Yes	No	No	1
ZC2C900	dietary advice for type i diabetes	Yes	No	No	1

ZC2C911	diet advice for insulin-dependent diabetes	Yes	No	No	1
ZL22500	under care of diabetic liaison nurse	Yes	No	No	1
ZL62500	referral to diabetes nurse	Yes	No	No	1
ZL62600	referral to diabetic liaison nurse	Yes	No	No	1
ZLA2500	seen by diabetic liaison nurse	Yes	No	No	1
ZLD7500	discharge by diabetic liaison nurse	Yes	No	No	1
ZRB4.00	diabetes clinic satisfaction questionnaire	Yes	No	No	1
ZRB4.11	csq - diabetes clinic satisfaction questionnaire	Yes	No	No	1
ZRB5.00	diabetes treatment satisfaction questionnaire	Yes	No	No	1
ZRB5.11	dtsq - diabetes treatment satisfaction questionnaire	Yes	No	No	1
ZRB6.00	diabetes wellbeing questionnaire	Yes	No	No	1
ZRB6.11	dwbq - diabetes wellbeing questionnaire	Yes	No	No	1
ZRBa.00	education score - diabetes	Yes	No	No	1
ZRbH.00	perceived control of insulin-dependent diabetes	Yes	No	No	1
ZV18000	[v]family history of diabetes mellitus	Yes	No	No	1
ZV18011	[v]family history of diabetes mellitus (dm)	Yes	No	No	1
ZV19800	[v]family history of diabetes mellitus	Yes	No	No	1
ZV65312	[v]dietary counselling in diabetes mellitus	Yes	No	No	1
ZV77100	[v]screening for diabetes mellitus	Yes	No	No	1
ZV77111	[v]screening for diabetes mellitus (dm)	Yes	No	No	1

Table S9: Number of Read codes in each codelist examined, and how often codes in one codelist were also included in all codelists for each condition

Codelist*	No. of Read codes in row codelist	Percentage of codes in the row codelist which are found in other codelists								
		Only in row codelist	In two codelists	In three codelists	In four codelists	In five codelists	In six codelists	In seven codelists	In eight codelists	In nine codelists
Asthma 1	247	33.6%	21.5%	9.3%	19.0%	1.2%	2.8%	1.6%	10.9%	-
Asthma 2	165	9.1%	19.4%	16.4%	27.3%	4.2%	4.8%	2.4%	16.4%	-
Asthma 3	156	34.0%	1.3%	5.8%	30.1%	3.8%	5.1%	2.6%	17.3%	-
Asthma 4	146	0.0%	24.0%	15.1%	30.8%	4.1%	4.8%	2.7%	18.5%	-
Asthma 5	42	0.0%	2.4%	0.0%	9.5%	2.4%	14.3%	7.1%	64.3%	-
Asthma 6	40	0.0%	0.0%	0.0%	2.5%	12.5%	7.5%	10.0%	67.5%	-
Asthma 7	40	0.0%	0.0%	0.0%	2.5%	12.5%	7.5%	10.0%	67.5%	-
Asthma 8	39	0.0%	2.6%	0.0%	5.1%	5.1%	15.4%	2.6%	69.2%	-
Autism 1	19	21.1%	42.1%	36.8%	-	-	-	-	-	-
Autism 2	16	6.3%	50.0%	43.8%	-	-	-	-	-	-
Autism 3	8	12.5%	0.0%	87.5%	-	-	-	-	-	-
CHD 1	129	0.0%	48.1%	3.9%	29.5%	18.6%	-	-	-	-
CHD 2	129	0.0%	48.1%	3.9%	29.5%	18.6%	-	-	-	-
CHD 3	62	0.0%	0.0%	0.0%	61.3%	38.7%	-	-	-	-
CHD 4	62	0.0%	0.0%	0.0%	61.3%	38.7%	-	-	-	-
CHD 5	30	3.3%	0.0%	16.7%	0.0%	80.0%	-	-	-	-
COPD 1	136	35.3%	16.2%	17.6%	12.5%	18.4%	-	-	-	-
COPD 2	67	0.0%	25.4%	35.8%	1.5%	37.3%	-	-	-	-
COPD 3	58	0.0%	0.0%	27.6%	29.3%	43.1%	-	-	-	-
COPD 4	55	0.0%	9.1%	14.5%	30.9%	45.5%	-	-	-	-
COPD 5	41	0.0%	0.0%	0.0%	39.0%	61.0%	-	-	-	-
Depression 1	135	11.9%	7.4%	2.2%	0.7%	16.3%	7.4%	0.0%	8.9%	45.2%
Depression 2	131	22.9%	1.5%	4.6%	1.5%	3.8%	7.6%	2.3%	9.2%	46.6%
Depression 3	121	4.1%	6.6%	2.5%	2.5%	18.2%	8.3%	2.5%	5.0%	50.4%
Depression 4	107	0.0%	0.0%	1.9%	0.9%	15.9%	4.7%	5.6%	14.0%	57.0%

Depression 5	105	0.0%	0.0%	0.0%	1.0%	16.2%	4.8%	5.7%	14.3%	58.1%
Depression 6	105	0.0%	0.0%	0.0%	1.0%	16.2%	4.8%	5.7%	14.3%	58.1%
Depression 7	100	0.0%	0.0%	5.0%	3.0%	5.0%	5.0%	6.0%	15.0%	61.0%
Depression 8	100	0.0%	0.0%	5.0%	3.0%	5.0%	5.0%	6.0%	15.0%	61.0%
Depression 9	88	0.0%	0.0%	0.0%	1.1%	0.0%	5.7%	6.8%	17.0%	69.3%
Hypertension 1	130	15.4%	16.2%	2.3%	13.1%	11.5%	25.4%	16.2%	0.0%	-
Hypertension 2	85	0.0%	0.0%	2.4%	20.0%	17.6%	38.8%	21.2%	0.0%	-
Hypertension 3	83	0.0%	0.0%	1.2%	18.1%	16.9%	39.8%	24.1%	0.0%	-
Hypertension 4	76	1.3%	0.0%	1.3%	19.7%	17.1%	42.1%	18.4%	0.0%	-
Hypertension 5	69	0.0%	15.9%	1.4%	2.9%	4.3%	44.9%	30.4%	0.0%	-
Hypertension 6	65	0.0%	16.9%	1.5%	1.5%	3.1%	47.7%	29.2%	0.0%	-
Hypertension 7	61	3.3%	32.8%	0.0%	8.2%	19.7%	4.9%	31.1%	0.0%	-
Hypertension 8	19	0.0%	5.3%	0.0%	0.0%	5.3%	10.5%	78.9%	0.0%	-
Obesity 1	70	38.6%	28.6%	11.4%	21.4%	-	-	-	-	-
Obesity 2	52	23.1%	32.7%	15.4%	28.8%	-	-	-	-	-
Obesity 3	28	14.3%	7.1%	25.0%	53.6%	-	-	-	-	-
Obesity 4	21	19.0%	4.8%	4.8%	71.4%	-	-	-	-	-
Type 2 diabetes 1	645	82.9%	2.2%	14.9%	-	-	-	-	-	-
Type 2 diabetes 2	105	1.0%	7.6%	91.4%	-	-	-	-	-	-
Type 2 diabetes 3	102	0.0%	5.9%	94.1%	-	-	-	-	-	-

* Supplementary tables S1a-c (asthma), S2a-c (autism), S3a-c (CHD), S4a-c (COPD), S5a-c (depression), S6a-c (hypertension), S7a-c (obesity) and S8a-c (type 2 diabetes) document all 45 codelists examined

Section 10: The process of classification of Read codes

The purpose of this classification is to define groups of codes which we believe to have different levels of diagnostic performance (a testable hypothesis which we will examine in patient-level data). The aim is to compare different *types of codes* present in any codelist.

This note sets out the agreed definition of categories of code used to classify the content of GP codelists. This reflects that the diagnostic vs administrative categories are probably the most important (or at least, most common apart from medications) but the lines are blurred.

The classification was carried out by authors:

1. Bruce Guthrie (MB BChir FRCGP PhD), Professor of General Practice, University of Edinburgh.
<https://edwebprofiles.ed.ac.uk/profile/bruce-guthrie>
2. Clare MacRae (PhD), Senior Clinical Research Fellow, University of Edinburgh.
<https://edwebprofiles.ed.ac.uk/profile/clare-macrae>
3. Regina Prigge (PhD), Medical Statistician and Lecturer in Epidemiology, University of Edinburgh.
<https://edwebprofiles.ed.ac.uk/profile/reginaprigge>
4. Brian Kelly (PhD), Medical Statistician, University of Edinburgh.
<https://edwebprofiles.ed.ac.uk/profile/brian-kelly>

All four of these authors have academic experience of using Read codes and codelists in research. BG and CM are GPs who additionally bring clinical understanding of how codes are used in the clinical HER. Initially BG classified codes for a single condition (asthma, which had 335 codes), as a way to generate potential classification categories. All others then independently classified asthma codes using these initial categories, adding new categories if required. Following this process, the classification categories were revised and refined; and this second classification was used by all four academics to independently categorize all eight conditions (1690 codes). After this process there were 416 codes where there was no universal agreement on the classification. BG and CM reviewed all 416 codes and agreed a consensus classification category for each code. Finally, the complete list was then reviewed to ensure consistency across all eight conditions.

The classification categories and definitions are outlined below.

Classification	Classification definition
Diagnostic	A code with no other function than to record a diagnosis. This may be at a high-level (eg "Hypertensive disease") or a more granular level defined by cause or complication or similar (eg "Malignant secondary hypertension" or "Diabetes type 2 with nephropathy").
Administrative	A code which records an <i>event</i> for administrative reasons. For example: Referral to, or attendance, or non-attendance at a particular clinic. For example, "attends asthma monitoring", "did not attend diabetes clinic". We distinguish these from diagnostic codes because they do not always mean the person has the condition (for example, if they attend a practice diabetes clinic for annual monitoring of 'pre-diabetes').
Diagnostic resolved	Codes which are <i>diagnostic</i> in the sense that they imply that someone has a 'history of' a condition, but which are explicitly recording that the condition has resolved on the date recorded
Disease-related event	A code which records an event that is disease-specific in some way, but which is not purely diagnostic. This includes: - Codes for emergency admission with a particular condition. In the GP record, these may be being recorded as markers of severity, but if using linked data then they should be recorded in the hospital discharge record as the primary source. In principle, they could be considered diagnostic in the GP record if there is no linked hospital admission data so we do not treat them as 'administrative'. - Codes for A&E attendance with a particular condition. These are not treated as diagnostic because A&E records for chronic conditions are less definitive. In principle, they could be considered diagnostic in the GP record if there is no linked A&E data for some acute events eg falls, fractures) so we do not treat them as 'administrative'.
Disease related monitoring/management	A code which is disease-specific in some way, but which is not purely diagnostic. - Codes for disease monitoring (for example, responses to asthma control questions; adherence to medications specific to a condition; medication review specific to a condition) - Includes events where high likelihood of diagnosis for example retinopathy screening in diabetes, but not including dietary advice in diabetes (which could be coded in pre-diabetes for example) Also, any code for a procedure related to the condition. - These may be procedures which are only used in that condition (which could therefore be taken as a diagnostic marker eg coronary artery bypass surgery and coronary artery disease -> excellent proxy for coronary heart disease) - These may be procedures which are used in that condition and other conditions (some gastric bypass procedures have uses other than obesity, although the commonly used procedures for obesity are specific)

Classification	Classification definition
Medication only for the condition	Any code for a drug related to the condition which is specific to that condition. • These are codes for drugs issued which are <i>only</i> used in that condition, which could therefore be taken as a diagnostic marker (eg anticholinesterase inhibitors and dementia; insulin and diabetes) • This does not include codes which are related to drugs but not a specific drug/preparation (for example, “ar - antiasthmatics” which is recording an adverse reaction to an unspecified group of drugs)
Medication also for other conditions	Any code for a drug related to the condition which are not specific to that condition. • These are codes for drugs issued which are used in that condition but also used for other conditions. They cannot support a diagnosis of a condition, but could therefore be used as a marker that a condition is active (eg inhalers used in asthma and COPD; metformin used in diabetes but also polycystic ovarian syndrome) • This does not include codes which are related to drugs but not a specific drug/preparation (for example, “ar - antiasthmatics” which is recording an adverse reaction to an unspecified group of drugs)
Unrelated to the condition	Codes which are present in codelists but which we judge to be unrelated to the condition (eg “cardiac asthma” is not related to the respiratory condition “asthma”; codes for screening for a diagnosis are not a diagnosis) This is also applied where the code is judged too non-specific to be related to a particular condition eg “dietary advice for diabetes” (because often given to people with pre-diabetes); medications such as analgesics that are non-specific. Some codes could (or are) included in codelists for multiple conditions. • Where a code clearly states two diagnoses, then we defined them as diagnostic for each condition (eg “asthma/COPD overlap syndrome). • Where a code was less specific, we defined it as relevant only for the single condition we considered it most clearly applied to, and defined it as unrelated for all other conditions (for example, “chronic wheezy bronchitis” is listed in codelists for both COPD and asthma, but we defined it as unrelated to asthma).

Table S10a: Classification of all conditions for unique Read codes

Classification	N	%
Administrative	243	14.4%
Diagnostic	841	49.8%
Diagnostic resolved	16	0.9%
Disease related event	12	0.7%
Disease related monitoring/ management	301	17.8%
Medication also for other conditions	57	3.4%
Medication only for the condition	1	0.1%
Unrelated to condition	219	13.0%
Total	1,690	100.0%

Table S10b: Classification unique Read codes by condition

Classification	Asthma		Autism		CHD		COPD		Depression		Diabetes type 2		Hyper-tension		Obesity	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Administrative	26	7.8%	0	0.0%	2	1.5%	20	14.7%	20	10.7%	142	22.0%	19	13.1%	14	15.6%
Diagnostic	87	26.0%	17	81.0%	112	86.2%	41	30.1%	116	62.0%	353	54.6%	87	60.0%	28	31.1%
Diagnostic resolved	2	0.6%	0	0.0%	0	0.0%	1	0.7%	3	1.6%	7	1.1%	2	1.4%	1	1.1%
Disease related event	4	1.2%	0	0.0%	1	0.8%	4	2.9%	0	0.0%	3	0.5%	0	0.0%	0	0.0%
Disease related monitoring/ management	147	43.9%	0	0.0%	12	9.2%	25	18.4%	4	2.1%	54	8.4%	22	15.2%	37	41.1%
Medication also for other conditions	50	14.9%	0	0.0%	0	0.0%	7	5.1%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Medication only for the condition	0	0.0%	0	0.0%	1	0.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Unrelated to condition	19	5.7%	4	19.0%	2	1.5%	38	27.9%	44	23.5%	87	13.5%	15	10.3%	10	11.1%
Total	335	100%	21	100%	130	100%	136	100%	187	100%	646	100%	145	100%	90	100%

Table S10c: Classification unique Read codes by condition (grouped classifications)

Condition	Administrative		Diagnostic		Disease related		Unrelated to condition		Total	
	n	%	n	%	N	%	n	%	n	%
Asthma	26	7.8%	87	26.0%	151	45.1%	71	21.2%	335	100%
Autism	0	0.0%	17	81.0%	0	0.0%	4	19.0%	21	100%
CHD	2	1.5%	113	86.9%	13	10.0%	2	1.5%	130	100%
COPD	20	14.7%	41	30.1%	29	21.3%	46	33.8%	136	100%
Depression	20	10.7%	116	62.0%	4	2.1%	47	25.1%	187	100%
Type 2 Diabetes	142	22.0%	353	54.6%	57	8.8%	94	14.6%	646	100%
Hypertension	19	13.1%	87	60.0%	22	15.2%	17	11.7%	145	100%
Obesity	14	15.6%	28	31.1%	37	41.1%	11	12.2%	90	100%
Total	243	14.4%	842	49.8%	313	18.5%	292	17.3%	1,690	100%

The grouping was as follows:

- (1) Administrative: (a) administrative.
- (2) Diagnostic: (a) diagnostic, (b) medication only for the condition.
- (3) Disease related: (a) disease related event, (b) disease related monitoring/management.
- (4) Unrelated to condition: (a) unrelated to condition, (b) medication also for other conditions.

Table S10d: Classification unique Read codes for each codelist in each condition

Codelist reference	Total Read codes in codelist	Classification of Read codes in codelist							
		Administrative	Diagnostic	Diagnostic resolved	Disease related event	Disease related monitoring/ management	Medication also for other conditions	Medication only for the condition	Unrelated to condition
ASTHMA 1	247	7.7%	31.6%	0.8%	1.6%	51.4%	0.0%	0.0%	6.9%
ASTHMA 2	165	14.5%	29.1%	0.0%	1.8%	52.1%	0.0%	0.0%	2.4%
ASTHMA 3	156	1.9%	28.8%	1.3%	1.9%	32.1%	32.1%	0.0%	1.9%
ASTHMA 4	146	1.4%	48.6%	0.0%	2.1%	47.3%	0.0%	0.0%	0.7%
ASTHMA 5	42	0.0%	90.5%	4.8%	0.0%	0.0%	0.0%	0.0%	4.8%
ASTHMA 6	40	0.0%	97.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%
ASTHMA 7	40	0.0%	97.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%
ASTHMA 8	39	0.0%	87.2%	5.1%	2.6%	0.0%	0.0%	0.0%	5.1%
AUTISM 1	19	0.0%	84.2%	0.0%	0.0%	0.0%	0.0%	0.0%	15.8%
AUTISM 2	16	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AUTISM 3	8	0.0%	87.5%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
CHD 1	129	1.6%	86.8%	0.0%	0.0%	9.3%	0.0%	0.8%	1.6%
CHD 2	129	1.6%	86.8%	0.0%	0.0%	9.3%	0.0%	0.8%	1.6%
CHD 3	62	0.0%	98.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
CHD 4	62	0.0%	98.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
CHD 5	30	3.3%	86.7%	0.0%	3.3%	6.7%	0.0%	0.0%	0.0%
COPD 1	136	14.7%	30.1%	0.7%	2.9%	18.4%	5.1%	0.0%	27.9%
COPD 2	67	11.9%	44.8%	0.0%	6.0%	25.4%	0.0%	0.0%	11.9%
COPD 3	58	1.7%	43.1%	0.0%	6.9%	19.0%	0.0%	0.0%	29.3%
COPD 4	55	0.0%	65.5%	0.0%	0.0%	0.0%	0.0%	0.0%	34.5%
COPD 5	41	0.0%	58.5%	0.0%	0.0%	0.0%	0.0%	0.0%	41.5%

Table S10d: Classification unique Read codes for each codelist in each condition (continued)

Codelist reference	Total Read codes in codelist	Classification of Read codes in codelist							
		Administrative	Diagnostic	Diagnostic resolved	Disease related event	Disease related monitoring/ management	Medication also for other conditions	Medication only for the condition	Unrelated to condition
DEPRESSION 1	135	14.1%	79.3%	2.2%	0.0%	3.0%	0.0%	0.0%	1.5%
DEPRESSION 2	131	4.6%	63.4%	2.3%	0.0%	1.5%	0.0%	0.0%	28.2%
DEPRESSION 3	121	11.6%	79.3%	2.5%	0.0%	1.7%	0.0%	0.0%	5.0%
DEPRESSION 4	107	0.9%	97.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%
DEPRESSION 5	105	1.0%	97.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%
DEPRESSION 6	105	1.0%	97.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%
DEPRESSION 7	100	5.0%	83.0%	3.0%	0.0%	2.0%	0.0%	0.0%	7.0%
DEPRESSION 8	100	5.0%	83.0%	3.0%	0.0%	2.0%	0.0%	0.0%	7.0%
DEPRESSION 9	88	1.1%	93.2%	3.4%	0.0%	0.0%	0.0%	0.0%	2.3%
HYPERTENSION 1	130	14.6%	56.9%	1.5%	0.0%	15.4%	0.0%	0.0%	11.5%
HYPERTENSION 2	88	0.0%	73.9%	2.3%	0.0%	13.6%	0.0%	0.0%	10.2%
HYPERTENSION 3	84	0.0%	76.2%	0.0%	0.0%	14.3%	0.0%	0.0%	9.5%
HYPERTENSION 4	81	0.0%	74.1%	2.5%	0.0%	14.8%	0.0%	0.0%	8.6%
HYPERTENSION 5	69	0.0%	97.1%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%
HYPERTENSION 6	67	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
HYPERTENSION 7	63	7.9%	55.6%	0.0%	0.0%	31.7%	0.0%	0.0%	4.8%
HYPERTENSION 8	24	0.0%	91.7%	4.2%	0.0%	0.0%	0.0%	0.0%	4.2%
OBESITY 1	70	17.1%	31.4%	1.4%	0.0%	48.6%	0.0%	0.0%	1.4%
OBESITY 2	52	26.9%	36.5%	0.0%	0.0%	19.2%	0.0%	0.0%	17.3%
OBESITY 3	28	3.6%	71.4%	0.0%	0.0%	17.9%	0.0%	0.0%	7.1%
OBESITY 4	21	4.8%	76.2%	0.0%	0.0%	19.0%	0.0%	0.0%	0.0%
T2DIABETES 1	645	22.0%	54.6%	1.1%	0.5%	8.4%	0.0%	0.0%	13.5%
T2DIABETES 2	105	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
T2DIABETES 3	102	0.0%	96.1%	0.0%	0.0%	3.9%	0.0%	0.0%	0.0%

Table S11a: Kappa statistics (95% confidence intervals) for individual codelists: Asthma¹

	Asthma2	Asthma3	Asthma4	Asthma5	Asthma6	Asthma7	Asthma8
Asthma1	0.119 (0.033 to 0.216)	-0.283 (-0.371 to -0.198)	0.260 (0.176 to 0.349)	0.079 (0.045 to 0.116)	0.039 (-0.005 to 0.078)	0.039 (-0.000 to 0.078)	0.080 (0.053 to 0.120)
Asthma2		0.275 (0.165 to 0.375)	0.550 (0.451 to 0.629)	0.208 (0.142 to 0.283)	0.233 (0.164 to 0.302)	0.233 (0.169 to 0.311)	0.202 (0.141 to 0.278)
Asthma3			0.275 (0.170 to 0.377)	0.244 (0.172 to 0.323)	0.269 (0.196 to 0.347)	0.269 (0.194 to 0.335)	0.237 (0.169 to 0.317)
Asthma4				0.246 (0.164 to 0.325)	0.258 (0.179 to 0.345)	0.258 (0.180 to 0.339)	0.238 (0.162 to 0.313)
Asthma5					0.750 (0.614 to 0.843)	0.750 (0.621 to 0.852)	0.874 (0.741 to 0.943)
Asthma6						1.000 (NA)	0.669 (0.565 to 0.820)
Asthma7							0.699 (0.565 to 0.813)

Table S11b: Kappa statistics (95% confidence intervals) for individual codelists: Autism¹

	Autism2	Autism3
Autism1	0.173 (-0.157 to 0.774)	-0.038 (-0.296 to 0.146)
Autism2		0.153 (-0.123 to 0.478)

Table S11c: Kappa statistics (95% confidence intervals) for individual codelists: Coronary Heart Disease¹

	CHD2	CHD3	CHD4	CHD5
CHD1	1.000 (NA)	0.014 (0.000 to 0.054)	0.014 (0.000 to 0.060)	-0.015 (-0.063 to 0.000)
CHD2		0.014 (0.000 to 0.058)	0.014 (0.000 to 0.057)	-0.015 (-0.047 to 0.000)
CHD3			1.000 (NA)	0.306 (0.165 to 0.466)
CHD4				0.306 (0.167 to 0.448)

¹ Kappa values can be interpreted as follows: values ≤ 0 as indicating worse than chance agreement and 0.01–0.20 as none to slight, 0.21–0.40 as fair, 0.41–0.60 as moderate, 0.61–0.80 as substantial, and 0.81–1.00 as almost perfect agreement

Table S11d: Kappa statistics (95% confidence intervals) for individual codelists: Chronic Obstructive Pulmonary Disease²

	COPD2	COPD3	COPD4	COPD5
COPD1	*	*	*	*
COPD2		0.396 (0.239 to 0.544)	0.204 (0.038 to 0.374)	0.142 (-0.006 to 0.294)
COPD3			0.561 (0.423 to 0.695)	0.734 (0.600 to 0.838)
COPD4				0.777 (0.659 to 0.880)

* Would not converge

Table S11e: Kappa statistics (95% confidence intervals) for individual codelists: Depression²

	DEP2	DEP3	DEP4	DEP5	DEP6	DEP7	DEP8	DEP9
	-0.171	0.508	0.451	0.434	0.434	0.261	0.261	0.302
DEP1	(-0.300 to -0.034)	(0.376 to 0.630)	(0.316 to 0.576)	(0.304 to 0.564)	(0.292 to 0.555)	(0.120 to 0.383)	(0.125 to 0.385)	(-0.174 to 0.413)
		-0.091	0.137	0.167	0.167	0.505	0.505	0.425
DEP2		(-0.241 to 0.055)	(-0.001 to 0.273)	(0.039 to 0.315)	(0.014 to 0.301)	(0.391 to 0.627)	(0.394 to 0.646)	(0.310 to 0.542)
			0.576	0.556	0.556	0.378	0.378	0.380
DEP3			(0.467 to 0.704)	(0.418 to 0.671)	(0.436 to 0.668)	(0.242 to 0.497)	(0.239 to 0.505)	(0.255 to 0.501)
				0.978	0.978	0.535	0.535	0.671
DEP4				(0.935 to 1.000)	(0.935 to 1.000)	(0.412 to 0.659)	(0.415 to 0.645)	(0.567 to 0.776)
					1.000	0.558	0.558	0.692
DEP5					(NA)	(0.435 to 0.658)	(0.434 to 0.658)	(0.579 to 0.786)
						0.558	0.558	0.692
DEP6						(0.425 to 0.680)	(0.449 to 0.666)	(0.594 to 0.796)
							1.000	0.872
DEP7							(NA)	(0.799 to 0.936)
								0.872
DEP8								(0.809 to 0.945)

² Kappa values can be interpreted as follows: values ≤ 0 as indicating worse than chance agreement and 0.01–0.20 as none to slight, 0.21–0.40 as fair, 0.41–0.60 as moderate, 0.61–0.80 as substantial, and 0.81–1.00 as almost perfect agreement

Table S11f: Kappa statistics (95% confidence intervals) for individual codelists: Hypertension³

	HT2	HT3	HT4	HT5	HT6	HT7	HT8
HT1	0.249 (0.139 to 0.375)	0.236 (0.138 to 0.360)	0.168 (0.081 to 0.287)	-0.103 (-0.194 to -0.011)	-0.109 (-0.211 to -0.024)	0.081 (0.005 to 0.166)	0.034 (0.017 to 0.068)
HT2		0.887 (0.805 to 0.958)	0.764 (0.662 to 0.862)	0.343 (0.195 to 0.498)	0.295 (0.140 to 0.425)	-0.020 (-0.183 to 0.134)	0.095 (0.013 to 0.197)
HT3			0.736 (0.629 to 0.846)	0.370 (0.209 to 0.507)	0.375 (0.236 to 0.544)	0.029 (-0.128 to 0.195)	0.128 (0.026 to 0.226)
HT4				0.271 (0.104 to 0.397)	0.218 (0.065 to 0.383)	-0.109 (-0.256 to 0.062)	0.028 (-0.080 to 0.137)
HT5					0.945 (0.876 to 0.986)	-0.223 (-0.382 to -0.059)	0.199 (0.095 to 0.329)
HT6						-0.234 (-0.379 to -0.060)	0.134 (0.032 to 0.260)
HT7							0.219 (0.093 to 0.352)

Table S11g: Kappa statistics (95% confidence intervals) for individual codelists: Obesity³

	OBESE2	OBESE3	OBESE4
OBESE1	-0.022 (-0.206 to 0.163)	0.082 (-0.043 to 0.217)	0.023 (-0.085 to 0.136)
OBESE2		0.244 (0.077 to 0.410)	0.159 (0.022 to 0.330)
OBESE3			0.471 (0.253 to 0.669)

Table S11h: Kappa statistics (95% confidence intervals) for individual codelists: Type 2 Diabetes³

	T2DIAB2	T2DIAB3
T2DIAB1	-0.003 (-0.009 to 0.000)	0.001 (0.000 to 0.002)
T2DIAB2		0.914 (0.865 to 0.955)

³ Kappa values can be interpreted as follows: values ≤ 0 as indicating worse than chance agreement and 0.01–0.20 as none to slight, 0.21–0.40 as fair, 0.41–0.60 as moderate, 0.61–0.80 as substantial, and 0.81–1.00 as almost perfect agreement

Table S12a: Kappa statistics for all codelists in a condition

Condition	Kappa (95% CI)
Asthma	0.222 (0.169 to 0.282)
Autism	-0.026 (-0.179 to 0.171)
CHD	0.075 (0.033 to 0.125)
COPD	0.210 (0.146 to 0.278)
Depression	0.510 (0.460 to 0.560)
Hypertension	0.189 (0.153 to 0.231)
Obesity	0.040 (-0.056 to 0.169)
Type 2 Diabetes	-0.152 (-0.204 to -0.110)

Table S12b: Kappa statistics for all codelists in a condition by classification of Read code (grouped)

Condition	Administrative	Diagnostic	Disease related	Unrelated to condition
Asthma	-0.161 (-0.214 to -0.090)	0.434 (0.364 TO 0.509)	0.101 (0.069 to 0.133)	-0.014 (-0.118 to 0.175)
Autism	NA	-0.343 -0.371 to -0.333	NA	-0.600 (-1.000 to 0.000)
CHD	-0.200 (no estimate)	-0.201 (-0.204 to -0.200)	-0.324 (-0.444 to -0.076)	-0.244 (no estimate)
COPD	-0.268 (-0.347 to -0.071)	0.236 (0.303 to 0.489)	0.148 (0.013 to 0.310)	0.266 (0.169 to 0.373)
Depression	0.037 (-0.028 to 0.109)	0.394 (0.195 to 0.284)	0.583 (0.375 to 0.688)	0.150 (0.013 to 0.281)
Hypertension	-0.109 (-0.341 to 0.000)	0.236 (0.195 to)	0.148 (0.037 to 0.258)	0.146 (0.053 to 0.276)
Obesity	-0.190 (-0.311 to 0.070)	0.238 (0.105 to 0.397)	-0.048 (-0.251 to 0.119)	-0.269 (-0.500 to 0.132)
Type 2 Diabetes	NA	0.027 (-0.035 to 0.081)	-0.036 (-0.111 to 0.000)	NA

NA: not applicable as no such codes for this condition or only one codelist has such codes