

Supplement 18: Assessment of smoking status

The table below describes the Read codes that were used to assess women's smoking status around pregnancy. Since numerous records exist for most pregnancies, we identified the first and last mention of Read codes relating to each of three smoking status categories (i.e. current smoker; ex-smoker; never smoked) and used these time points to define continuous periods on the basis of which the exposure status around pregnancy was assessed. The text box that follows provides a description of the algorithm that was used to determine smoking status at conception.

Read codes used to determine current smoking status

Read code	Read term	Smoking status
1377	Ex-trivial smoker (< 1 per day)	Ex-smoker
1378	Ex-light smoker (1 - 9 per day)	Ex-smoker
1379	Ex-moderate smoker (10 - 19 per day)	Ex-smoker
137A.00	Ex-heavy smoker (20 - 39 per day)	Ex-smoker
137B.00	Ex-very heavy smoker (40 + per day)	Ex-smoker
137F.00	Ex-smoker - amount unknown	Ex-smoker
137K.00	Stopped smoking	Ex-smoker
137K000	Recently stopped smoking	Ex-smoker
137L.00	Current non-smoker	Ex-smoker
137N.00	Ex pipe smoker	Ex-smoker
137O.00	Ex cigar smoker	Ex-smoker
137S.00	Ex smoker	Ex-smoker
137T.00	Date ceased smoking	Ex-smoker
137i.00	Ex tobacco chewer	Ex-smoker
137j.00	Ex-cigarette smoker	Ex-smoker
137l.00	Ex roll-up cigarette smoker	Ex-smoker
13p4.00	Smoking free weeks	Ex-smoker
9km..00	Ex-smoker annual review - enhanced services administration	Ex-smoker
9km..11	Ex-smoker annual review	Ex-smoker
1371	Never smoked tobacco	Never smoked
1371.11	Non-smoker	Never smoked
9kn..00	Non-smoker annual review - enhanced services administration	Never smoked
137..00	Tobacco consumption	Currently smoking
137..11	Smoker - amount smoked	Currently smoking
1372	Trivial smoker - < 1 per day	Currently smoking
1372.11	Occasional smoker	Currently smoking
1373	Light smoker - 1-9 per day	Currently smoking
1374	Moderate smoker - 10-19 per day	Currently smoking
1375	Heavy smoker - 20-39 per day	Currently smoking
1376	Very heavy smoker - 20-39 per day	Currently smoking
137C.00	Keeps trying to stop smoking	Currently smoking
137D.00	Admitted tobacco cons untrue ?	Currently smoking
137E.00	Tobacco consumption unknown	Currently smoking
137G.00	Trying to give up smoking	Currently smoking
137H.00	Pipe smoker	Currently smoking

137J.00	Cigar smoker	Currently smoking
137M.00	Rolls own cigarettes	Currently smoking
137P.00	Cigarette smoker	Currently smoking
137P.11	Smoker	Currently smoking
137Q.00	Smoking started	Currently smoking
137Q.11	Smoking restarted	Currently smoking
137R.00	Current smoker	Currently smoking
137V.00	Smoking reduced	Currently smoking
137X.00	Cigarette consumption	Currently smoking
137Y.00	Cigar consumption	Currently smoking
137Z.00	Tobacco consumption NOS	Currently smoking
137a.00	Pipe tobacco consumption	Currently smoking
137b.00	Ready to stop smoking	Currently smoking
137c.00	Thinking about stopping smoking	Currently smoking
137d.00	Not interested in stopping smoking	Currently smoking
137e.00	Smoking restarted	Currently smoking
137f.00	Reason for restarting smoking	Currently smoking
137g.00	Cigarette pack years	Currently smoking
137h.00	Minutes from waking to first tobacco consumption	Currently smoking
137m.00	Failed attempt to stop smoking	Currently smoking
13p..00	Smoking cessation milestones	Currently smoking
13p0.00	Negotiated date for cessation of smoking	Currently smoking
13p1.00	Smoking status at 4 weeks	Currently smoking
13p2.00	Smoking status between 4 and 52 weeks	Currently smoking
13p3.00	Smoking status at 52 weeks	Currently smoking
13p5.00	Smoking cessation programme start date	Currently smoking
13p8.00	Lost to smoking cessation follow-up	Currently smoking
388B.00	Pack years	Currently smoking
38DH.00	Fagerstrom test for nicotine dependence	Currently smoking
6791	Health ed. - smoking	Currently smoking
6791000	Health education - parental smoking	Currently smoking
67A3.00	Pregnancy smoking advice	Currently smoking
67H1.00	Lifestyle advice regarding smoking	Currently smoking
67H6.00	Brief cessation for smoking cessation	Currently smoking
745H.00	Smoking cessation therapy	Currently smoking
745H000	Nicotine replacement therapy using nicotine patches	Currently smoking
745H100	Nicotine replacement therapy using nicotine gum	Currently smoking
745H200	Nicotine replacement therapy using nicotine inhalator	Currently smoking
745H300	Nicotine replacement therapy using nicotine lozenges	Currently smoking
745H400	Smoking cessation drug therapy	Currently smoking
745H500		Currently smoking
745Hy00	Other specified smoking cessation therapy	Currently smoking
745Hz00	Smoking cessation therapy NOS	Currently smoking
8B2B.00	Nicotine replacement therapy	Currently smoking
8B3Y.00	Over the counter nicotine replacement therapy	Currently smoking
8B3f.00	Nicotine replacement therapy provided free	Currently smoking

8BP3.00	Nicotine replacement therapy provided by community pharmacist	Currently smoking
8CAL.00	Smoking cessation advice	Currently smoking
8CAg.00	Smoking cessation advice provided by community pharmacist	Currently smoking
8CdB.00	Stop smoking service opportunity signposted	Currently smoking
8H7i.00	Referral to smoking cessation advisor	Currently smoking
8HBM.00	Stop smoking face to face follow-up	Currently smoking
8HTK.00	Referral to stop-smoking clinic	Currently smoking
8HkQ.00	Referral to NHS stop smoking service	Currently smoking
8I2I.00	Nicotine replacement therapy contraindicated	Currently smoking
8I2J.00	Bupropion contraindicated	Currently smoking
8I39.00	Nicotine replacement therapy refused	Currently smoking
8I6H.00	Smoking review not indicated	Currently smoking
8IAj.00	Smoking cessation advice declined	Currently smoking
8IEK.00	Smoking cessation program declined	Currently smoking
8IEM.00	Smoking cessation drug therapy declined	Currently smoking
9N2k.00	Seen by smoking cessation advisor	Currently smoking
9N4M.00	DNA - did not attend smoking cessation clinic	Currently smoking
9NS0200	Referral for smoking cessation service offered	Currently smoking
9NdW.00	Consent given for smoking cessation data sharing	Currently smoking
9NdY.00	Declin cons follow-up evaluation after smoking cess interven	Currently smoking
9NdZ.00	Declined consent for smoking cessation data sharing	Currently smoking
9Ndg.00	Declined consent for follow-up by smoking cessation team	Currently smoking
9OO..00	Attends stop smoking monitor admin	Currently smoking
9OO1.00	Attends stop smoking monitor	Currently smoking
9OO2.00	Refuses stop smoking monitor	Currently smoking
9OO3.00	Stop smoking monitor default	Currently smoking
9OO4.00	Stop smoking monitor 1st lettr	Currently smoking
9OO5.00	Stop smoking monitor 2nd lettr	Currently smoking
9OO6.00	Stop smoking monitor 3rd lettr	Currently smoking
9OO7.00	Stop smoking monitor verb.inv.	Currently smoking
9OO8.00	Stop smoking monitor phone inv	Currently smoking
9OO9.00	Stop smoking monitoring delete	Currently smoking
9OOA.00	Stop smoking monitor check.done	Currently smoking
9OOB.00	Stop smoking invitation short message service text message	Currently smoking
9OOB000	Stop smoking invitation first SMS text message	Currently smoking
9OOZ.00	Stop smoking monitor admin.NOS	Currently smoking
9hG..00	Exception reporting: smoking quality indicators	Currently smoking
9hG0.00	Excepted from smoking quality indicators: Patient unsuitable	Currently smoking
9hG1.00	Excepted from smoking quality indicators: Informed dissent	Currently smoking
9kc..00	Smoking cessation - enhanced services administration	Currently smoking
9kc0.00	Smoking cessatn monitor template complet - enhanc serv admin	Currently smoking
9ko..00	Current smoker annual review - enhanced service admin	Currently smoking
9ko..11	current smoker annual review	Currently smoking
E023.00	Nicotine withdrawal	Currently smoking
E251.00	Tobacco dependence	Currently smoking
E251100	Tobacco dependence, continuous	Currently smoking

E251z00	Tobacco dependence NOS	Currently smoking
H310100	Smokers' cough	Currently smoking
TJHy200	Adverse reaction to nicotine	Currently smoking
U609900	[X] Bupropion causing adverse effects in therapeutic use	Currently smoking
ZG23300	Advice on smoking	Currently smoking
ZRBm200	Fagerstrom test for nicotine dependence	Currently smoking
ZRBm211	FTND - Fagerstrom test for nicotine dependence	Currently smoking
ZRb3.00	Pack years	Currently smoking
ZV4K000	[V] Tobacco use	Currently smoking
ZV6D800	[V] Tobacco abuse counselling	Currently smoking

Description of the algorithm used to determine smoking status around pregnancy

Condition	Assigned status	Derived smoking status category
<ul style="list-style-type: none"> • Conception fell within a current smoker period, no other information available • Conception fell within a current smoker period, with preceding or following ex-smoker or never smoked periods • Only current smoker codes were present in the medical record, although the period did not include conception • Conception was preceded by a current smoker period, and followed by ex-smoker or never smoked periods • Conception fell within a current smoker period, with overlapping ex-smoker and never smoked periods 	<p>Currently smoking</p> <p>Possibly smoking</p>	<p>Current smoker or ex-smoker</p>
<ul style="list-style-type: none"> • Conception fell within an ex-smoker period, no other information available • Conception fell within an ex-smoker period, with preceding or following current smoker or never smoked periods • Conception was preceded by an ex-smoker period, and followed by current smoker or never smoked periods • Only ex-smoker codes were present in the medical record 	<p>Ex-smoker</p>	
<ul style="list-style-type: none"> • Conception fell within a never smoked period, no other information available • Conception fell within a never smoked period, no smoking or ex-smoking period prior to the pregnancy • Only never smoked codes were present in the medical record 	<p>Never smoked</p>	<p>Never smoked</p>
<ul style="list-style-type: none"> • Conception fell outside all periods and was not preceded by a current smoker period • No smoking codes present on the medical records 	<p>Status unknown</p>	<p>Status unknown</p>