



Health Survey for England 2015: Adult cigarette smoking

Excel Tables

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Introduction

These tables accompany the Health Survey for England 2015 report on adult cigarette smoking.

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Further Information

The Health Survey for England 2015 is the latest in a series of surveys commissioned by NHS Digital and carried out by NatCen Social Research and UCL. The surveys are representative of adults and children in England, and is used to monitor the nation's health and health-related behaviours.

For further details about the Health Survey for England 2015, see <http://digital.nhs.uk/pubs/hse2015>, where you can find links to other topic reports and detailed methodological information.

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Notes and Definitions

- 1 The data in most tables have been weighted. See Both unweighted and weighted sample sizes are shown at the foot of each table.
- 2 Apart from tables showing age breakdowns, data have been age-standardised to allow comparisons between groups after adjusting for the effects of any differences in their age distributions.
- 3 Some estimates may not sum due to rounding.
- 4 'Missing values' occur for several reasons, including refusal or inability to answer a particular question; refusal to co-operate in an entire section of the survey (such as the nurse visit or a self-completion questionnaire); and cases where the question is not applicable to the participant. In general, missing values have been omitted from all tables and analyses.
- 5 Estimates shown in square brackets are based on fewer than 50 cases. Estimates based on fewer than 30 cases are not shown.
[See http://digital.nhs.uk/catalogue/PUB22610/HSE2015-methods.pdf for more detail.](http://digital.nhs.uk/catalogue/PUB22610/HSE2015-methods.pdf)

Symbols used in tables

u = no observations (zero value)

0 = less than half the final digit shown and different from a real zero

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Table 1: Cigarette smoking status, by age and sex

Health Survey for England 2015. Aged 16 and over

Cigarette smoking status ¹	Age group								Total
	16-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
	%	%	%	%	%	%	%	%	%
Men									
Current smoker	23	27	22	21	15	11	6	2	19
Ex-smoker	7	17	21	27	37	48	54	55	28
Never smoked	70	57	57	52	48	41	40	43	53
Women									
Current smoker	24	22	20	17	14	11	6	3	17
Ex-smoker	4	16	23	24	29	36	34	32	23
Never smoked	71	62	58	59	57	53	60	66	60
All adults									
Current smoker	24	24	21	19	15	11	6	2	18
Ex-smoker	6	16	22	25	33	42	43	41	25
Never smoked	71	60	57	56	52	47	51	57	57
Bases (unweighted)									
Men	285	493	566	622	565	599	334	92	3556
Women	385	637	770	784	701	627	389	136	4429
All adults	670	1130	1336	1406	1266	1226	723	228	7985
Bases (weighted)									
Men	529	666	646	703	561	463	256	71	3896
Women	517	682	654	713	576	499	319	112	4074
All adults	1046	1349	1301	1416	1137	963	575	183	7969

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily); Never smoked: never smoked cigarettes regularly. Some estimates may not sum due to rounding.

Table 2: Cigarette smoking status, by region¹ and sex

Health Survey for England 2015. Aged 16 and over

Cigarette smoking status ²	Region								
	North East	North West	Yorkshire & the Humber	East Midlands	West Midlands	East of England	London	South East	South West
	%	%	%	%	%	%	%	%	%
Men									
Observed									
Current smoker	20	20	18	24	18	17	25	16	16
Ex-smoker	29	24	23	26	27	29	20	33	38
Never smoked	50	55	59	50	55	54	55	52	46
Standardised³									
Current smoker	20	20	19	23	19	17	22	16	18
Ex-smoker	28	25	22	26	27	29	23	32	34
Never smoked	51	55	59	50	55	54	55	52	48
Women									
Observed									
Current smoker	23	19	22	16	18	12	16	14	14
Ex-smoker	26	22	19	26	22	27	16	26	27
Never smoked	51	58	59	58	59	61	67	60	59
Standardised³									
Current smoker	23	19	22	16	19	13	15	14	14
Ex-smoker	26	22	19	25	22	26	18	25	26
Never smoked	51	58	59	59	60	61	67	61	59
All adults									
Observed									
Current smoker	22	20	20	20	18	15	20	15	15
Ex-smoker	28	23	21	26	25	28	18	29	33
Never smoked	51	57	59	54	57	57	62	56	53
Standardised³									
Current smoker	22	20	20	20	19	15	18	15	16
Ex-smoker	27	24	21	26	24	28	20	28	30
Never smoked	51	57	59	55	57	58	62	57	54
Bases (unweighted)									
<i>Men</i>	274	478	339	347	333	420	389	622	354
<i>Women</i>	340	623	418	413	393	522	549	741	430
<i>All adults</i>	614	1101	757	760	726	942	938	1363	784
Bases (weighted)									
<i>Men</i>	191	515	372	339	416	432	571	659	399
<i>Women</i>	196	540	406	344	413	455	638	653	430
<i>All adults</i>	387	1055	778	683	829	887	1210	1311	830

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Regions defined as the former Government Office Regions.

2 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily); Never smoked: never smoked cigarettes regularly.

3 To enable comparison between regions that is not affected by the different age distribution of the population in each region, age-standardised data are also presented. Some estimates may not sum due to rounding.

Table 3: Cigarette smoking status, by equivalised household income and sex¹

Health Survey for England 2015. Aged 16 and over

Cigarette smoking status ²	Equivalised household income quintile				
	Highest	2nd	3rd	4th	Lowest
	%	%	%	%	%
Men					
Current smoker	12	12	17	30	34
Ex-smoker	28	29	28	26	28
Never smoked	60	59	54	44	39
Women					
Current smoker	8	13	18	22	25
Ex-smoker	22	23	23	26	21
Never smoked	70	63	59	52	54
All adults					
Current smoker	10	13	18	25	29
Ex-smoker	25	26	26	26	24
Never smoked	65	61	57	48	47
Bases (unweighted)					
<i>Men</i>	720	636	620	507	442
<i>Women</i>	774	702	762	729	648
<i>All adults</i>	1494	1338	1382	1236	1090
Bases (weighted)					
<i>Men</i>	803	699	640	504	494
<i>Women</i>	722	652	677	641	590
<i>All adults</i>	1525	1351	1317	1145	1084

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Data in this table are age-standardised.

2 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily); Never smoked: never smoked cigarettes regularly.

Some estimates may not sum due to rounding.

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Table 4: Cigarette smoking status, by self-reported longstanding illness and sex¹

Health Survey for England 2015. Aged 16 and over

Cigarette smoking status ²	Longstanding illness ³		
	No longstanding illness	Non-limiting longstanding illness	Limiting longstanding illness
	%	%	%
Men			
Current smoker	18	18	23
Ex-smoker	25	29	32
Never smoked	57	54	45
Women			
Current smoker	15	16	23
Ex-smoker	21	24	25
Never smoked	64	60	52
All adults			
Current smoker	17	17	23
Ex-smoker	23	26	28
Never smoked	60	57	49
Bases (unweighted)			
<i>Men</i>	2062	671	818
<i>Women</i>	2510	735	1183
<i>All adults</i>	4572	1406	2001
Bases (weighted)			
<i>Men</i>	2415	679	797
<i>Women</i>	2394	644	1034
<i>All adults</i>	4810	1323	1832

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Data in this table are age-standardised.

2 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily); Never smoker: never smoked cigarettes regularly.

3 Longstanding illness is any physical or mental health conditions or illnesses lasting or expected to last 12 months or more. A limiting longstanding illness is one that reduces a person's ability to carry out day-to-day activities.

Some estimates may not sum due to rounding.

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Table 5: Number of cigarettes smoked by current smokers, by age and sex

Health Survey for England 2015. Current smokers aged 16 and over

Cigarettes smoked per day	Age group						Total
	16-24	25-34	35-44	45-54	55-64	65+	
Men							
% less than 10 cigarettes per day	45	47	37	29	27	31	38
% 10 to under 20 cigarettes per day	43	37	41	39	50	40	41
% 20 or more cigarettes per day	12	15	22	32	23	29	21
Mean	10.9	9.9	11.8	14.6	13.1	13.8	12.1
Standard error of the mean	1.38	0.67	0.68	0.89	0.85	1.16	0.36
Median	10.0	10.0	11.4	12.0	12.0	12.0	10.0
Women							
% less than 10 cigarettes per day	60	57	49	43	34	38	49
% 10 to under 20 cigarettes per day	29	36	41	38	47	41	38
% 20 or more cigarettes per day	10	8	10	18	20	21	13
Mean	8.7	8.3	9.6	11.3	11.9	11.9	10.0
Standard error of the mean	0.72	0.44	0.57	0.64	0.64	0.81	0.27
Median	7.0	7.9	10.0	10.0	12.0	10.0	10.0
All adults							
% less than 10 cigarettes per day	53	52	43	35	30	35	43
% 10 to under 20 cigarettes per day	36	37	41	39	49	40	40
% 20 or more cigarettes per day	11	12	16	26	21	25	18
Mean	9.8	9.2	10.8	13.1	12.5	12.8	11.1
Standard error of the mean	0.76	0.43	0.47	0.59	0.55	0.72	0.23
Median	8.0	8.9	10.0	11.4	12.0	10.6	10.0
Bases (unweighted)							
Men	61	132	120	137	90	89	629
Women	99	141	154	138	105	97	734
All adults	160	273	274	275	195	186	1363
Bases (weighted)							
Men	118	178	143	147	84	67	737
Women	124	147	129	120	82	75	678
All adults	242	325	272	267	166	142	1415

Source: Health Survey for England 2015, NHS Digital

Notes:

Some estimates may not sum due to rounding.

Table 6: Number of cigarettes smoked by current smokers, by equivalised household income and sex¹

Health Survey for England 2015. Current smokers aged 16 and over

Cigarettes smoked per day	Equivalised household income quintile				
	Highest	2nd	3rd	4th	Lowest
Men					
% less than 10 cigarettes per day	43	38	36	26	33
% 10 to under 20 cigarettes per day	36	48	42	47	42
% 20 or more cigarettes per day	21	14	22	27	25
Mean	10.8	11.4	11.9	13.8	13.3
Standard error of the mean	1.48	0.95	0.79	1.25	0.84
Median	11.4	10.0	12.0	11.4	11.4
Women					
% less than 10 cigarettes per day	59	54	54	37	35
% 10 to under 20 cigarettes per day	28	33	31	47	47
% 20 or more cigarettes per day	13	13	15	16	18
Mean	8.1	9.1	10.1	11.5	11.5
Standard error of the mean	1.13	0.98	0.67	0.61	0.73
Median	7.0	8.6	8.6	10.0	10.0
All adults					
% less than 10 cigarettes per day	50	46	45	32	34
% 10 to under 20 cigarettes per day	33	41	36	47	44
% 20 or more cigarettes per day	18	13	18	21	21
Mean	9.7	10.2	10.9	12.6	12.4
Standard error of the mean	1.21	0.64	0.51	0.76	0.55
Median	10.0	10.0	10.0	10.9	10.0
Bases (unweighted)					
<i>Men</i>	74	80	95	120	142
<i>Women</i>	63	92	137	146	167
<i>All adults</i>	137	172	232	266	309
Bases (weighted)					
<i>Men</i>	92	89	106	131	168
<i>Women</i>	61	89	124	131	148
<i>All adults</i>	153	178	229	262	317

Source: Health Survey for England 2015, NHS Digital**Notes:**

1 Data in this table are age-standardised.
Some estimates may not sum due to rounding.

Table 7: Age started smoking, by age and sexHealth Survey for England 2015. Current and ex-smokers¹ aged 25 and over

Age started smoking	Age group					Total
	25-34	35-44	45-54	55-64	65+	
	%	%	%	%	%	%
Men						
12 or under	5	5	12	10	9	8
13	5	4	5	6	5	5
14	8	7	11	12	11	10
15	14	14	14	14	14	14
16	18	17	15	18	14	16
17	17	9	11	11	10	11
18	12	18	8	11	13	12
19-20	14	9	10	9	9	10
21-24	4	12	6	4	7	7
25 or over	2	5	7	4	7	5
<i>15 or under</i>	<i>33</i>	<i>30</i>	<i>42</i>	<i>42</i>	<i>39</i>	<i>38</i>
Women						
12 or under	5	4	5	5	1	4
13	7	6	6	5	2	5
14	12	10	12	12	8	10
15	16	16	12	14	13	14
16	20	16	14	17	15	16
17	11	8	11	10	8	10
18	13	12	11	14	17	14
19-20	9	15	11	10	12	12
21-24	6	7	8	4	10	8
25 or over	2	4	9	7	14	8
<i>15 or under</i>	<i>39</i>	<i>37</i>	<i>35</i>	<i>37</i>	<i>24</i>	<i>33</i>
All adults						
12 or under	5	5	9	8	5	6
13	6	5	6	6	4	5
14	10	8	11	12	10	10
15	15	15	13	14	14	14
16	19	16	15	18	15	16
17	14	9	11	10	9	11
18	13	15	10	12	15	13
19-20	11	12	10	10	10	11
21-24	5	10	7	4	9	7
25 or over	2	4	8	6	10	6
<i>15 or under</i>	<i>36</i>	<i>33</i>	<i>39</i>	<i>40</i>	<i>32</i>	<i>36</i>

Bases (unweighted)						
<i>Men</i>	214	240	305	299	604	1662
<i>Women</i>	249	319	329	312	490	1699
<i>All adults</i>	463	559	634	611	1094	3361
Bases (weighted)						
<i>Men</i>	278	278	337	293	463	1648
<i>Women</i>	256	274	290	247	397	1464
<i>All adults</i>	534	552	627	540	860	3112

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily)

Some estimates may not sum due to rounding.

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Table 8: Age started smoking, by equivalised household income quintile and sex¹

Health Survey for England 2015. Current and ex-smokers² aged 25 and over

Age started smoking	Equivalised household income quintile				
	Highest %	2nd %	3rd %	4th %	Lowest %
Men					
12 or under	4	6	11	8	9
13	3	6	6	6	9
14	7	10	8	11	12
15	8	15	18	14	16
16	17	17	17	19	11
17	14	12	10	12	9
18	21	10	11	10	9
19-20	11	11	8	9	11
21-24	8	9	6	9	6
25 or over	5	4	6	2	8
<i>15 or under</i>	22	37	43	39	46
Women					
12 or under	2	5	4	3	7
13	2	5	5	8	5
14	6	10	10	13	9
15	10	11	18	16	15
16	15	18	17	13	21
17	8	9	8	10	9
18	21	18	14	11	10
19-20	15	11	10	10	10
21-24	12	7	7	7	7
25 or over	8	6	7	9	5
<i>15 or under</i>	21	31	38	40	36
All adults					
12 or under	3	6	8	6	8
13	2	5	5	7	7
14	7	10	9	12	11
15	9	13	18	15	15
16	16	17	17	16	16
17	12	10	9	11	9
18	21	14	12	10	10
19-20	13	11	9	10	11
21-24	9	8	7	8	7
25 or over	6	5	6	6	7
<i>15 or under</i>	22	34	40	39	42

Bases (unweighted)					
<i>Men</i>	272	261	294	283	257
<i>Women</i>	238	252	292	335	282
<i>All adults</i>	510	513	586	618	539
Bases (weighted)					
<i>Men</i>	245	222	240	219	216
<i>Women</i>	179	192	213	243	204
<i>All adults</i>	424	413	453	462	420

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Data in this table are age-standardised.

2 Ex-smoker: used to smoke cigarettes regularly (at least one cigarette daily)

Some estimates may not sum due to rounding.

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Table 9: Intentions to give up smoking, by age and sex

Health Survey for England 2015. Current smokers aged 16 and over

Intention to give up smoking	Age group						Total
	16-24	25-34	35-44	45-54	55-64	65+	
	%	%	%	%	%	%	%
Men							
I really want to stop smoking and intend to in the next month	6	6	7	10	6	2	7
I really want to stop smoking and intend to in the next three months	8	8	3	9	7	2	7
I want to stop smoking and hope to soon	22	21	18	14	13	8	17
I really want to stop smoking but I don't know when I will	10	17	22	19	20	13	17
I want to stop smoking but haven't thought about when	11	8	9	11	9	9	10
I think I should stop smoking but don't really want to	20	17	22	18	19	32	20
I don't want to stop smoking	25	23	19	19	25	33	23
Women							
I really want to stop smoking and intend to in the next month	6	10	8	9	7	2	7
I really want to stop smoking and intend to in the next three months	9	10	10	8	6	4	8
I want to stop smoking and hope to soon	11	23	16	15	12	11	15
I really want to stop smoking but I don't know when I will	25	18	25	25	26	13	22
I want to stop smoking but haven't thought about when	8	14	10	10	3	11	9
I think I should stop smoking but don't really want to	19	14	21	19	20	23	19
I don't want to stop smoking	22	12	11	14	27	37	19
All adults							
I really want to stop smoking and intend to in the next month	6	8	7	10	6	2	7
I really want to stop smoking and intend to in the next three months	9	9	6	9	7	3	8
I want to stop smoking and hope to soon	16	22	17	14	12	10	16
I really want to stop smoking but I don't know when I will	17	17	23	22	23	13	19
I want to stop smoking but haven't thought about when	9	11	10	11	6	10	10
I think I should stop smoking but don't really want to	19	16	22	19	19	27	20
I don't want to stop smoking	23	18	15	17	26	35	21
Bases (unweighted)							
<i>Men</i>	59	130	118	137	89	85	618
<i>Women</i>	97	139	151	137	104	95	723
<i>All adults</i>	156	269	269	274	193	180	1341
Bases (weighted)							
<i>Men</i>	114	174	141	147	84	64	724
<i>Women</i>	121	146	127	119	81	73	667
<i>All adults</i>	235	319	267	267	165	138	1391

Source: Health Survey for England 2015, NHS Digital

Notes:

Some estimates may not sum due to rounding.

Table 10: Prevalence of current use of nicotine delivery products, by age and sex

Health Survey for England 2015. Aged 16 and over

Current use of nicotine delivery products	Age group								Total
	16-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
	%	%	%	%	%	%	%	%	%
Men									
E-cigarettes only	4	7	4	6	4	3	2	1	5
Other nicotine delivery products only ¹	1	1	1	2	1	1	1	1	1
Both	1	0	0	1	0	-	0	-	0
<i>Any current use of e-cigarettes</i>	5	8	4	7	5	3	2	1	5
<i>Any nicotine delivery product²</i>	6	8	5	8	6	4	2	2	6
Women									
E-cigarettes only	4	4	5	4	5	4	1	1	4
Other nicotine delivery products only ¹	1	2	1	2	2	1	1	1	2
Both	1	0	1	0	0	0	0	-	0
<i>Any current use of e-cigarettes</i>	5	4	6	5	5	4	1	1	4
<i>Any nicotine delivery product²</i>	6	6	7	7	7	6	2	1	6
All adults									
E-cigarettes only	4	6	4	5	5	3	1	1	4
Other nicotine delivery products only ¹	1	1	1	2	2	1	1	1	1
Both	1	0	0	1	0	0	0	-	0
<i>Any current use of e-cigarettes</i>	5	6	5	6	5	4	1	1	5
<i>Any nicotine delivery product²</i>	6	7	6	8	6	5	2	2	6
Bases (unweighted)									
Men	285	494	566	622	565	599	334	92	3557
Women	385	637	771	783	701	627	389	136	4429
All adults	670	1131	1337	1405	1266	1226	723	228	7986
Bases (weighted)									
Men	528	668	646	703	561	463	256	71	3896
Women	517	682	655	712	576	499	319	112	4074
All adults	1046	1350	1301	1415	1137	963	575	183	7970

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Other nicotine delivery products: nicotine chewing gum, lozenges/mini lozenges, patches, inhalers/inhalators, mouth spray, nasal spray or other nicotine products.

2 Any nicotine delivery product: e-cigarettes or other nicotine delivery product, as above.

Some estimates may not sum due to rounding.

Table 11: Prevalence of ever using nicotine delivery products, by smoking status and sex

Health Survey for England 2015. Aged 16 and over

Ever use of nicotine delivery products	Current smoking status ¹			Total ⁴
	Current smokers	Ex-smokers	Never smoked	
	%	%	%	%
Men				
E-cigarettes only	22	5	1	6
Other nicotine delivery products only ²	16	14	0	7
Both	16	7	0	5
<i>Any use of e-cigarettes</i>	38	12	1	11
<i>Any nicotine delivery product³</i>	55	26	1	18
Women				
E-cigarettes only	18	5	0	4
Other nicotine delivery products only ²	19	16	0	7
Both	24	6	0	5
<i>Any use of e-cigarettes</i>	41	11	1	10
<i>Any nicotine delivery product³</i>	61	26	1	17
All adults				
E-cigarettes only	20	5	1	5
Other nicotine delivery products only ²	18	15	0	7
Both	20	6	0	5
<i>Any use of e-cigarettes</i>	40	12	1	11
<i>Any nicotine delivery product³</i>	58	26	1	18
Bases (unweighted)				
<i>Men</i>	634	1127	1791	3554
<i>Women</i>	734	1097	2593	4427
<i>All adults</i>	1368	2224	4384	7981
Bases (weighted)				
<i>Men</i>	745	1079	2065	3891
<i>Women</i>	678	943	2445	4070
<i>All adults</i>	1423	2022	4510	7961

Source: Health Survey for England 2015, NHS Digital**Notes:**

1 Ex-smoker: used to smoke cigarettes regularly; never smoker: never smoked cigarettes regularly.

2 Other nicotine delivery products: nicotine chewing gum, lozenges/mini lozenges, patches, inhalers/inhalators, mouth spray, nasal spray or other nicotine products.

3 Any nicotine delivery product: e-cigarettes or other nicotine delivery product, as above.

4 Total column includes all those who answered questions on nicotine delivery products, including 5 participants who did not report their smoking status.

Some estimates may not sum due to rounding.

Table 12: Self-reported hours of exposure to other people's smoke, by age and sex

Health Survey for England 2015. Aged 16 and over

Hours per week exposure to other people's smoke	Age group								Total
	16-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
Men									
% with no self-reported exposure	45	58	69	70	78	82	89	93	69
Median ¹	1	0	0	0	0	0	0	0	0
75th centile	4	2	1	1	0	0	0	0	1
90th centile	18	5	4	4	2	1	1	0	5
95th centile	26	14	10	10	8	5	1	1	12
Women									
% with no self-reported exposure	46	68	73	75	83	85	91	97	74
Median ¹	1	0	0	0	0	0	0	0	0
75th centile	3	1	1	0	0	0	0	0	1
90th centile	17	3	2	3	1	1	0	0	3
95th centile	30	8	7	8	5	4	1	0	10
All adults									
% with no self-reported exposure	45	63	71	73	81	84	90	95	72
Median ¹	1	0	0	0	0	0	0	0	0
75th centile	4	1	1	1	0	0	0	0	1
90th centile	17	4	3	3	2	1	0	0	4
95th centile	28	10	8	10	7	4	1	0	10
Bases (unweighted)									
<i>Men</i>	275	491	565	619	565	597	334	92	3538
<i>Women</i>	375	634	767	780	699	627	388	136	4406
<i>All adults</i>	650	1125	1332	1399	1264	1224	722	228	7944
Bases (weighted)									
<i>Men</i>	508	664	645	700	561	460	256	71	3864
<i>Women</i>	501	679	651	709	574	499	318	112	4045
<i>All adults</i>	1009	1343	1297	1409	1135	959	574	183	7909

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Centiles are values of a distribution that divide it into 100 equal parts. For example, the 90th centile is the value of a distribution where 90% of the cases have values at or below the 90th centile and 10% have values above it. The median is the 50th centile.

Some estimates may not sum due to rounding.

Table 13: Self-reported locations of exposure to other people's smoke, by age and sex

Health Survey for England 2015. Aged 16 and over

Locations of exposure	Age group								Total
	16-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	
	%	%	%	%	%	%	%	%	%
Men									
Outdoor smoking areas of pubs/restaurants/ cafes	31	24	16	15	14	11	6	1	18
At own home	16	12	8	7	7	7	4	4	9
In other people's homes	19	11	9	8	6	3	2	-	9
At work	21	18	13	11	6	2	-	-	11
Travelling by car/van	11	5	2	3	2	2	0	-	4
In other places	17	8	4	6	3	4	1	-	6
None of these ¹	39	52	62	67	73	78	88	95	64
Women									
Outdoor smoking areas of pubs/restaurants/ cafes	32	17	13	11	9	8	4	1	14
At own home	14	8	7	10	8	5	5	2	8
In other people's homes	22	10	10	7	5	4	1	1	9
At work	12	9	5	5	3	0	-	-	5
Travelling by car/van	10	1	2	2	1	1	1	-	3
In other places	15	4	5	4	2	5	1	2	5
None of these ¹	40	62	68	71	77	81	90	96	69
All adults									
Outdoor smoking areas of pubs/restaurants/ cafes	32	21	15	13	11	10	5	1	16
At own home	15	10	8	8	7	6	4	3	9
In other people's homes	20	11	10	7	6	4	1	0	9
At work	17	13	9	8	4	1	-	-	8
Travelling by car/van	11	3	2	3	2	1	0	-	3
In other places	16	6	4	5	2	4	1	1	6
None of these ¹	40	57	65	69	75	79	89	96	67
Bases (unweighted)									
Men	284	494	566	621	565	599	334	92	3555
Women	386	636	771	783	701	627	389	136	4429
All adults	670	1130	1337	1404	1266	1226	723	228	7984
Bases (weighted)									
Men	526	668	646	702	561	463	256	71	3893
Women	519	681	655	712	576	499	319	112	4074
All adults	1045	1349	1301	1414	1137	963	575	183	7967

Source: Health Survey for England 2015, NHS Digital

Notes:

¹ This includes those not exposed to secondhand smoke and a small proportion who said that they were but did not mention any of the locations listed (n=227).

Table 14: Prevalence of saliva cotinine levels of 12ng/ml or more, by self-reported smoking status,¹ age and sex

Health Survey for England 2015. Aged 16 and over with valid cotinine assay²

Saliva cotinine levels of 12ng/ml or more	Age group						Total %
	16-24 %	25-34 %	35-44 %	45-54 %	55-64 %	65+ %	
Men							
All men ³	18	25	26	21	14	11	19
Current smoker	u	96	92	96	[95]	98	94
Ex-smoker	u	[14]	11	5	3	5	6
Never smoked	4	5	3	2	1	2	3
Women							
All women ³	26	22	20	17	13	8	17
Current smoker	[94]	89	96	98	100	[100]	95
Ex-smoker	u	10	7	5	2	3	5
Never smoked	4	1	1	0	1	0	1
All adults							
All adults ³	22	23	23	19	13	9	18
Current smoker	91	92	94	97	97	99	95
Ex-smoker	u	12	9	5	2	4	6
Never smoked	4	3	2	1	1	1	2
Bases (unweighted)							
<i>Men</i>	157	242	311	378	347	692	2127
<i>Current smokers</i>	25	51	68	76	42	57	319
<i>Ex-smokers</i>	9	42	60	92	130	343	676
<i>Never smoked</i>	120	149	183	210	175	292	1129
<i>Women</i>	193	343	432	470	451	735	2624
<i>Current smokers</i>	38	75	76	71	53	48	361
<i>Ex-smokers</i>	12	58	92	116	127	250	655
<i>Never smoked</i>	136	210	263	283	271	437	1600
<i>All adults</i>	350	585	743	848	798	1427	4751
<i>Current smokers</i>	63	126	144	147	95	105	680
<i>Ex-smokers</i>	21	100	152	208	257	593	1331
<i>Never smoked</i>	256	359	446	493	446	729	2729

Bases (weighted)							
<i>Men</i>	303	368	363	393	320	465	2212
<i>Current smokers</i>	47	77	88	79	40	38	369
<i>Ex-smokers</i>	13	64	67	96	118	230	589
<i>Never smoked</i>	236	226	207	218	162	198	1247
<i>Women</i>	314	385	367	411	330	541	2348
<i>Current smokers</i>	72	84	67	65	40	36	364
<i>Ex-smokers</i>	18	65	82	96	90	188	539
<i>Never smoked</i>	213	236	217	250	201	317	1435
<i>All adults</i>	617	752	730	805	651	1007	4561
<i>Current smokers</i>	119	161	155	144	80	74	733
<i>Ex-smokers</i>	31	129	150	192	207	418	1127
<i>Never smoked</i>	449	462	424	469	363	515	2682

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Smoking status at the time of the nurse visit, when the saliva sample was taken. Ex-smokers (used to smoke cigarettes regularly) and those who had never smoked cigarettes regularly were distinguished by combining 'non-smokers' in the nurse visit with information on smoking status as reported at the earlier interview.

2 Those using nicotine delivery products, including e-cigarettes, have been excluded from this table.

3 Includes 11 adults who provided saliva samples but did not report their smoking status.

Some estimates may not sum due to rounding.

u The unweighted base for this group is less than 30 therefore the estimates are not shown.

[] Results shown in brackets should be treated with caution because of the low base size.

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Table 15: Saliva cotinine levels among self-reported, cotinine-validated non-smokers,¹ by age and sex

Health Survey for England 2015. Self-reported non-smokers aged 16 and over with valid cotinine assay²

Saliva cotinine levels of 12ng/ml or more	Age group							Total
	16-24	25-34	35-44	45-54	55-64	65-74	75+	
Men								
% with undetectable cotinine ³	71	75	79	80	85	85	78	79
Median ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75th centile	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90th centile	0.8	0.4	0.3	0.2	0.2	0.1	0.4	0.3
95th centile	1.2	1.1	1.1	0.2	0.4	0.3	0.5	0.8
Geometric mean saliva cotinine ⁵	0.09	0.08	0.08	0.07	0.07	0.07	0.08	0.07
95% Confidence interval	(0.07, 0.12)	(0.07, 0.10)	(0.07, 0.09)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.07)	(0.07, 0.09)	(0.07, 0.08)
Women								
% with undetectable cotinine ³	68	77	84	83	89	88	82	82
Median ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75th centile	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90th centile	0.5	0.3	0.2	0.1	0.1	0.1	0.2	0.2
95th centile	1.5	1.0	0.5	0.4	0.3	0.2	0.4	0.5
Geometric mean saliva cotinine ⁵	0.09	0.08	0.07	0.07	0.06	0.06	0.07	0.07
95% Confidence interval	(0.08, 0.11)	(0.07, 0.09)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.07)	(0.07, 0.07)
All adults								
% with undetectable cotinine ³	70	76	82	82	87	87	80	81
Median ⁴	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75th centile	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90th centile	0.6	0.3	0.2	0.2	0.1	0.1	0.2	0.2
95th centile	1.3	1.0	0.7	0.3	0.4	0.3	0.5	0.6
Geometric mean saliva cotinine ⁵	0.09	0.08	0.07	0.07	0.06	0.06	0.07	0.07
95% Confidence interval	(0.08, 0.11)	(0.07, 0.09)	(0.07, 0.08)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.07)	(0.06, 0.08)	(0.07, 0.07)
Bases (unweighted)								
Men	124	180	230	291	296	370	246	1737
Women	147	260	346	392	393	359	318	2215
All adults	271	440	576	683	689	729	564	3952
Bases (weighted)								
Men	241	271	262	303	273	236	177	1763
Women	228	293	291	341	287	255	243	1938
All adults	470	564	553	644	559	491	420	3701

Source: Health Survey for England 2015, NHS Digital

Notes:

1 To be included within this category, participants had to be both self-reported non-smokers at the nurse visit and have a saliva cotinine level lower than 12ng/ml.

2 Those using nicotine delivery products, including e-cigarettes, have been excluded, as the purpose of this table is to examine objective evidence of exposure to other people's tobacco smoke.

3 The lower limit of detection of even the most sensitive assay used is 0.1ng/ml. Levels below this are considered to represent no or minimal exposure to tobacco smoke.

4 Centiles are values of a distribution that divide it into 100 equal parts. For example, the 90th centile is the value of a distribution where 90% of the cases have values at or below the 90th centile and 10% have values above it. The median is the 50th centile.

5 Geometric means have been presented for non-smokers as the distribution of cotinine levels is very skewed, with most values being very low. The geometric mean is a measure of central tendency of a distribution, which minimises the effects of extreme values (see endnote 22, page 19 of the report accompanying these tables). Confidence intervals around the estimate are presented rather than standard errors.

Some estimates may not sum due to rounding.

Table 16: Saliva cotinine levels among self-reported, cotinine-validated non-smokers,¹ by equivalised household income and sex²

Health Survey for England 2015. Self-reported non-smokers aged 16 and over with valid cotinine assay³

Saliva cotinine levels (ng/ml)	Equivalised household income quintile				
	Highest	2nd	3rd	4th	Lowest
Men					
% with undetectable cotinine ⁴	89	81	80	69	69
Median ⁵	0.0	0.0	0.0	0.0	0.0
75th centile	0.0	0.0	0.0	0.1	0.1
90th centile	0.1	0.2	0.2	0.7	1.2
95th centile	0.3	0.5	0.4	1.0	2.1
Geometric mean saliva cotinine ⁶	0.06	0.07	0.07	0.09	0.10
95% Confidence interval	(0.06, 0.07)	(0.06, 0.08)	(0.06, 0.08)	(0.07, 0.12)	(0.08, 0.13)
Women					
% with undetectable cotinine ⁴	92	86	81	80	70
Median ⁵	0.0	0.0	0.0	0.0	0.0
75th centile	0.0	0.0	0.0	0.0	0.1
90th centile	0.0	0.2	0.2	0.3	0.4
95th centile	0.2	0.4	0.5	1.2	1.2
Geometric mean saliva cotinine ⁶	0.06	0.06	0.07	0.08	0.09
95% Confidence interval	(0.05, 0.06)	(0.06, 0.07)	(0.06, 0.08)	(0.07, 0.09)	(0.08, 0.10)
All adults					
% with undetectable cotinine ⁴	90	84	80	75	70
Median ⁵	0.0	0.0	0.0	0.0	0.0
75th centile	0.0	0.0	0.0	0.0	0.1
90th centile	0.0	0.2	0.2	0.4	0.7
95th centile	0.2	0.4	0.5	1.0	1.5
Geometric mean saliva cotinine ⁶	0.06	0.07	0.07	0.08	0.09
95% Confidence interval	(0.06, 0.06)	(0.06, 0.07)	(0.07, 0.08)	(0.07, 0.10)	(0.08, 0.11)
Bases (unweighted)					
<i>Men</i>	428	342	327	234	167
<i>Women</i>	490	371	392	360	274
<i>All adults</i>	918	713	719	594	441
Bases (weighted)					
<i>Men</i>	433	352	317	213	177

<i>Women</i>	421	319	328	304	245
<i>All adults</i>	854	670	645	517	422

Source: Health Survey for England 2015, NHS Digital

Notes:

1 Data in this table are age-standardised.

2 To be included within this category, participants had to be both self-reported non-smokers at the nurse visit and have a saliva cotinine level lower than 12ng/ml.

3 Those using nicotine delivery products, including e-cigarettes, have been excluded, as the purpose of this table is to examine objective evidence of exposure to other people's tobacco smoke.

4 The lower limit of detection of even the most sensitive assay used is 0.1ng/ml. Levels below this are considered to represent no or minimal exposure to tobacco smoke.

5 Centiles are values of a distribution that divide it into 100 equal parts. For example, the 90th centile is the value of a distribution where 90% of the cases have values at or below the 90th centile and 10% have values above it. The median is the 50th centile.

6 Geometric means have been presented for non-smokers as the distribution of cotinine levels is very skewed, with most values being very low. The geometric mean is a measure of central tendency of a distribution, which minimises the effects of extreme values (see endnote 22, page 19 of the report accompanying these tables). Confidence intervals around the estimate are presented rather than standard errors.

Some estimates may not sum due to rounding.

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