

Ready Reckoner Autumn 2023 Abbreviated Table of Costs by ICBs

The Autumn 2023 update of our ICB Ready Reckoner uses published 2022 Annual Population Survey and Local Tobacco profile data where possible. This tool provides the cost of smoking at a national, regional, and ICB level. Overall cost of smoking is derived from the 4 following areas: Productivity, Healthcare, Social Care and Fires.

England estimates are derived from work by Howard Reed.

For detail about how the national figures were derived please see CBPF model here: [Guide to ASH CBPF model 2023](#)

Other data tools and cost calculators, including the full ICB Ready Reckoner can be found here: [ASH Data and Cost Calculators](#)

National, regional, and local smoking prevalence data have been derived from the Annual Population Survey 2022, and the local information combined to generate estimates for ICBs. Due to the COVID-19 pandemic, APS changed its survey methodology in 2020, and now uses a different weighting system.

Three new costs have been included in the ICB Ready Reckoner in Autumn 2023 to describe broader costs of smoking. These are:

- Reduced GVA due to expenditure due to tobacco
- Cost of informal care by family and friends
- Cost of unmet care need

Therefore the RR total is much higher than in previous years. The QALY value of life lost due to smoking is not included in the total but is reported separately.

Note that where ICB and CA geographies match between the Ready Reckoner and ICB Ready Reckoner, they do not fully agree. This is because estimates are calculated in part using smoking prevalences and populations at different levels, so totals don't exactly match.

All figures are approximate.

If you are not able to open the full ICB Ready Reckoner but would like to see the full dashboard for a given ICB/ICBs, please email laura.bunce@ash.org.uk for screenshots.

Area Name	Number of smokers	Overall cost	Productivity costs	Social care costs	Healthcare costs	Fire costs
England	5,666,000	£49.2Bn	£32.0Bn	£15.0Bn	£1.9Bn	£328.1M
NHS Bath and North East Somerset, Swindon and Wiltshire ICB	77,500	£653.3M	£420.9M	£200.1M	£27.3M	£4.9M
NHS Bedfordshire, Luton and Milton Keynes ICB	118,200	£1.0Bn	£658.8M	£309.1M	£40.3M	£4.6M
NHS Birmingham and Solihull ICB	134,000	£1.2Bn	£742.9M	£370.4M	£44.9M	£11.7M
NHS Black Country ICB	145,100	£1.2Bn	£770.9M	£355.0M	£47.6M	£12.6M
NHS Bristol, North Somerset and South Gloucestershire ICB	101,800	£885.5M	£586.9M	£262.0M	£31.0M	£5.6M
NHS Buckinghamshire, Oxfordshire and Berkshire West ICB	150,200	£1.2Bn	£833.1M	£350.9M	£45.3M	£7.4M
NHS Cambridgeshire and Peterborough ICB	80,800	£692.8M	£422.7M	£238.3M	£28.1M	£3.7M
NHS Cheshire and Merseyside ICB	237,000	£2.0Bn	£1.3Bn	£658.9M	£75.8M	£14.7M
NHS Cornwall and the Isles of Scilly ICB	48,200	£410.8M	£237.0M	£153.7M	£16.8M	£3.3M
NHS Coventry and Warwickshire ICB	116,900	£1.0Bn	£702.4M	£287.8M	£35.8M	£5.6M
NHS Derby and Derbyshire ICB	129,600	£1.1Bn	£681.0M	£396.0M	£47.3M	£7.5M
NHS Devon ICB	145,700	£1.2Bn	£745.6M	£391.5M	£46.7M	£10.1M
NHS Dorset ICB	61,800	£521.7M	£313.6M	£181.9M	£22.2M	£4.0M
NHS Frimley ICB	68,600	£626.8M	£420.9M	£178.7M	£23.9M	£3.3M
NHS Gloucestershire ICB	59,900	£484.3M	£293.9M	£169.0M	£18.9M	£2.4M
NHS Greater Manchester ICB	317,100	£2.7Bn	£1.7Bn	£863.3M	£104.5M	£20.0M
NHS Hampshire and Isle of Wight ICB	162,900	£1.5Bn	£981.4M	£410.2M	£52.3M	£7.0M
NHS Herefordshire and Worcestershire ICB	74,900	£631.3M	£400.4M	£201.5M	£26.4M	£3.1M
NHS Hertfordshire and West Essex ICB	139,400	£1.4Bn	£882.1M	£414.7M	£48.6M	£6.5M
NHS Humber and North Yorkshire ICB	184,500	£1.5Bn	£938.3M	£514.5M	£60.5M	£8.6M
NHS Kent and Medway ICB	162,500	£1.4Bn	£890.3M	£469.3M	£58.6M	£9.3M
NHS Lancashire and South Cumbria ICB	196,700	£1.8Bn	£1.1Bn	£602.7M	£67.2M	£12.2M
NHS Leicester, Leicestershire and Rutland ICB	93,400	£755.3M	£488.3M	£229.7M	£31.0M	£6.3M
NHS Lincolnshire ICB	100,200	£756.7M	£474.2M	£244.2M	£33.0M	£5.2M
NHS Mid and South Essex ICB	133,900	£1.2Bn	£789.1M	£394.8M	£47.8M	£6.3M
NHS Norfolk and Waveney ICB	100,400	£868.5M	£593.5M	£237.9M	£30.1M	£7.0M
NHS North Central London ICB	121,500	£1.2Bn	£834.1M	£283.5M	£43.0M	£7.3M
NHS North East and North Cumbria ICB	310,400	£2.8Bn	£1.8Bn	£893.1M	£105.6M	£14.0M
NHS North East London ICB	193,400	£1.6Bn	£1.1Bn	£391.5M	£59.6M	£11.5M
NHS North West London ICB	200,000	£1.8Bn	£1.3Bn	£455.0M	£60.8M	£12.0M
NHS Northamptonshire ICB	81,200	£646.4M	£460.8M	£158.5M	£24.1M	£3.0M
NHS Nottingham and Nottinghamshire ICB	139,000	£1.2Bn	£725.2M	£390.1M	£45.2M	£8.3M
NHS Shropshire, Telford and Wrekin ICB	51,100	£442.0M	£264.8M	£155.6M	£19.3M	£2.3M

Area Name	Number of smokers	Overall cost	Productivity costs	Social care costs	Healthcare costs	Fire costs
NHS Somerset ICB	58,300	£480.0M	£289.7M	£165.8M	£20.4M	£4.1M
NHS South East London ICB	172,800	£1.6Bn	£1.2Bn	£364.5M	£51.1M	£10.3M
NHS South West London ICB	116,300	£1.1Bn	£784.3M	£280.4M	£39.0M	£6.9M
NHS South Yorkshire ICB	144,000	£1.3Bn	£816.3M	£427.0M	£51.0M	£7.7M
NHS Staffordshire and Stoke-on-Trent ICB	99,900	£879.4M	£541.9M	£295.2M	£33.4M	£9.0M
NHS Suffolk and North East Essex ICB	121,000	£1.1Bn	£682.0M	£363.4M	£42.0M	£5.8M
NHS Surrey Heartlands ICB	105,700	£969.0M	£671.4M	£256.1M	£34.2M	£7.3M
NHS Sussex ICB	165,900	£1.5Bn	£953.8M	£441.4M	£64.0M	£8.9M
NHS West Yorkshire ICB	238,900	£2.0Bn	£1.3Bn	£642.2M	£81.8M	£16.8M

ASH ICS Ready Reckoner Autumn 2023 References



POPULATION AND PREVALENCE

1- ONS Mid-year estimates by country, region and upper tier local authority (2021) MYE2: Persons

[Link](#)

2- ONS Smoking habits in the UK and its constituent countries (2022) Table 4 Smoking prevalence in local and unitary authority areas

[Link](#)

HEALTH CARE

H Reed updated estimates for 2023 based on:

3a.- United Kingdom Household Longitudinal Study Wave 11 (2020)

[Link](#)

3b- ONS (2008): 2006 General Household Survey: healthcare events by smoking status (custom analysis, derived from NICE ROI tool)

[Link](#)

4- ONS Smoking habits in the UK and its constituent countries (2022) Cut of smoking prevalence in people aged 35+

[Link](#)

(2021 population and 2022 smoking prevalence used for LA and regional estimates)

PRODUCTIVITY

5- H Reed updated estimates for 2023 based on methodology explained in H Reed (2020) The impact of smoking history on employment prospects, earnings and productivity: an analysis using UK panel data.

[Link](#)

6- H Reed updated estimates for 2023 based on methodology explained in H Reed (2021) The economic impact of a smokefree United Kingdom: technical report.

[Link](#)

7- H Reed updated estimates for 2023 based on methodology explained in H Reed (2021) Estimates of poverty in the UK adjusted for expenditure on tobacco

[Link](#)

8- Annual population survey (2021) Estimates of economic activity and inactivity

[Link](#)

9- Annual survey of hours and earnings - Resident Analysis (2021) Median gross annual pay

[Link](#)

(2021 population and 2022 smoking prevalence used for LA and regional estimates)

SOCIAL CARE

13- Action on Smoking and Health (ASH). The Cost of Smoking to the Social Care System. March 2021.

[Link](#)

10- H Reed updated estimates for 2023 based on methodology explained in H Reed (2021) The costs of smoking to the social care system and related costs for older people in England

[Link](#)

11- ONS Smoking habits in the UK and its constituent countries (2022) Cut of smoking prevalence in people aged 50+

[Link](#)

(2021 population and 2022 smoking prevalence used for LA and regional estimates)

FIRE

12- DCLG (2023): FIRE0102: Incidents attended by fire and rescue services, Data tab, 2019/20,2020/21, 2021/22 data

[Link](#)

13- DCLG (2023): FIRE0602: Primary fires by source of ignition and whether the cause was by human/non-human factors, Tables 0602a, 0602b, 0602c, 2019/20,2020/21, 2021/22 data

[Link](#)

14-DCLG (2023): FIRE0502 Fatalities and non-fatal casualties by fire and rescue authority and location group, Data - Casualties & Data - Fatalities tabs,2019/20,2020/21, 2021/22 data

[Link](#)

H Reed updated estimates for 2023 based on:

15a- DCLG (2010): Fire statistics UK 2008: county and regional data, tables 29 - 31

[Link](#)

15b- DCLG (2011) The economic cost of fire: Supplementary tables of estimates for 2008 (England) – Fire Research Report 3/2011

[Link](#)

(2021 population and smoking prevalence, together with approximate mapping between LF&RS and local geographies used to generate LA and regional estimates)

Estimates for fire related data are not calculated for wards & constituencies, as smoking-related fires are relatively rare

COST OF TOBACCO

H Reed updated estimates for 2023 based on:

16a- Methodology explained in H Reed (2020) The impact of smoking history on employment prospects, earnings and productivity: an analysis using UK panel data.

[Link](#)

16b- HMRC (2019): A disaggregation of HMRC tax receipts between England, Wales, Scotland & Northern Ireland (report discontinued post-2019)

[Link](#)

QALY VALUE OF LIFE LOST

H Reed updated estimates for 2023 based on:

17a HM Treasury Green Book (2022)

[Link](#)

17b England-wide smoking attributable mortality rate per 100,000 population (35+) (2016-18)

[Link](#)