

Ready Reckoner Autumn 2023 Abbreviated Table of Costs to Local Authorities

The Autumn 2023 update of our 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, local, constituency, combined LA and ward level. Overall cost of smoking is derived from the 4 following areas: Productivity, Healthcare, Social Care and Fires.

For further details on methods used please see notes on methodology here: [RR Methods 2022](#)

England estimates are derived from work by Howard Reed (see references)

Regional and local authority smoking prevalence data have been derived from the Annual Population Survey 2022. Due to the COVID-19 pandemic, APS changed its survey methodology in 2020, and now uses a different weighting system.

For more details of costs and for costs applied to different geographies, please see our tools here: [ASH tools](#)



Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
East Midlands	544,600	£1.89Bn	£181.6M	£1.56Bn	£116.7M	£30.3M
Derby	39,100	£168.2M	£14.0M	£145.0M	£7.5M	£1.7M
Derbyshire	90,100	£301.0M	£33.2M	£237.1M	£24.9M	£5.8M
Leicester	36,500	£122.8M	£12.6M	£100.4M	£7.6M	£2.2M
Leicestershire	53,500	£188.3M	£17.2M	£156.5M	£10.7M	£3.9M
Lincolnshire	100,200	£294.2M	£33.0M	£236.0M	£20.0M	£5.2M
North Northamptonshire	40,900	£170.7M	£12.8M	£149.6M	£6.5M	£1.7M
Nottingham	53,900	£219.7M	£16.5M	£189.6M	£10.9M	£2.7M
Nottinghamshire	83,800	£270.1M	£28.7M	£214.8M	£21.0M	£5.6M
Rutland	3,200	£9.8M	£1.1M	£7.9M	£511K	£263K
West Northamptonshire	40,100	£140.5M	£11.3M	£121.5M	£6.4M	£1.4M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
East of England	663,900	£2.49Bn	£226.6M	£2.07Bn	£156.0M	£33.0M
Bedford	17,000	£61.1M	£5.4M	£52.5M	£2.5M	£681K
Cambridgeshire	61,900	£215.7M	£21.5M	£176.4M	£15.0M	£2.8M
Central Bedfordshire	34,700	£140.7M	£12.6M	£116.4M	£10.4M	£1.3M
Essex	157,900	£571.5M	£54.8M	£469.4M	£39.5M	£7.7M
Hertfordshire	108,000	£424.3M	£36.8M	£354.7M	£27.2M	£5.6M
Luton	35,000	£121.6M	£12.7M	£100.5M	£7.3M	£1.1M
Norfolk	99,300	£412.0M	£30.0M	£355.5M	£19.5M	£7.0M
Peterborough	19,800	£68.4M	£6.6M	£56.5M	£4.5M	£895K
Southend-on-Sea	20,000	£92.6M	£8.0M	£79.9M	£3.8M	£955K
Suffolk	86,100	£286.5M	£31.9M	£228.0M	£22.4M	£4.1M
Thurrock	22,000	£84.3M	£6.0M	£74.2M	£3.2M	£861K

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
London	806,600	£3.77Bn	£251.5M	£3.33Bn	£144.4M	£47.9M
Barking and Dagenham	21,200	£92.9M	£9.0M	£78.0M	£4.8M	£1.1M
Barnet	25,200	£127.8M	£8.5M	£112.7M	£4.7M	£1.9M
Bexley	25,600	£113.9M	£9.5M	£98.2M	£4.7M	£1.5M
Brent	36,800	£147.2M	£11.4M	£128.1M	£6.4M	£1.3M
Bromley	16,700	£80.2M	£4.4M	£71.8M	£2.6M	£1.4M
Camden	15,900	£102.2M	£3.7M	£95.6M	£2.2M	£700K
Croydon	40,700	£176.1M	£14.7M	£149.7M	£9.3M	£2.4M
Ealing	45,600	£162.6M	£10.1M	£142.7M	£8.0M	£1.8M
Enfield	33,400	£171.9M	£12.9M	£149.8M	£6.4M	£2.8M
Greenwich	30,100	£120.0M	£10.0M	£102.2M	£6.3M	£1.6M
Hackney	29,100	£122.8M	£5.9M	£113.3M	£1.9M	£1.8M
Hammersmith and Fulham	12,800	£57.9M	£3.9M	£50.6M	£2.4M	£994K
Haringey	33,400	£116.9M	£12.8M	£96.3M	£6.6M	£1.2M
Harrow	15,500	£69.7M	£6.5M	£59.1M	£3.3M	£931K
Havering	32,300	£116.0M	£9.6M	£98.8M	£6.4M	£1.3M
Hillingdon	18,900	£100.1M	£7.2M	£87.2M	£4.1M	£1.6M
Hounslow	36,200	£154.7M	£11.3M	£135.7M	£6.1M	£1.6M
Islington	14,200	£86.1M	£5.0M	£76.5M	£3.3M	£1.3M
Kensington and Chelsea	13,700	£87.2M	£3.8M	£79.1M	£3.2M	£1.1M
Kingston upon Thames	8,200	£40.4M	£3.8M	£34.1M	£1.7M	£836K
Lambeth	35,300	£209.1M	£11.1M	£190.7M	£5.3M	£2.0M
Lewisham	36,000	£153.7M	£9.6M	£136.0M	£6.4M	£1.7M
Merton	25,100	£131.5M	£8.2M	£117.5M	£4.5M	£1.3M
Newham	28,700	£121.0M	£11.0M	£101.0M	£6.7M	£2.3M
Redbridge	26,600	£100.2M	£8.8M	£85.1M	£4.6M	£1.7M
Richmond upon Thames	9,700	£49.9M	£4.3M	£41.7M	£3.2M	£749K
Southwark	28,900	£197.0M	£6.3M	£184.3M	£4.6M	£1.8M
Sutton	11,000	£57.0M	£2.7M	£51.7M	£1.5M	£1.2M
Tower Hamlets	28,900	£125.7M	£7.2M	£112.7M	£3.9M	£1.8M
Waltham Forest	25,500	£104.9M	£8.0M	£92.0M	£3.6M	£1.2M
Wandsworth	21,000	£114.4M	£5.2M	£104.2M	£2.8M	£2.2M
Westminster	21,500	£115.3M	£6.4M	£103.9M	£3.8M	£1.2M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
North East England	277,200	£1.11Bn	£93.4M	£936.6M	£65.1M	£12.1M
County Durham	65,000	£255.8M	£21.7M	£216.6M	£15.4M	£2.2M
Darlington	9,900	£40.4M	£3.2M	£35.4M	£1.5M	£288K
Gateshead	17,500	£72.2M	£6.3M	£60.1M	£4.8M	£956K
Hartlepool	10,400	£48.8M	£3.7M	£42.2M	£2.5M	£429K
Middlesbrough	18,200	£68.3M	£5.6M	£59.2M	£2.8M	£674K
Newcastle upon Tyne	29,200	£116.9M	£6.5M	£104.7M	£4.0M	£1.6M
North Tyneside	18,800	£76.0M	£7.6M	£62.5M	£4.8M	£1.1M
Northumberland	25,300	£87.0M	£9.2M	£70.0M	£6.4M	£1.4M
Redcar and Cleveland	14,900	£64.0M	£5.2M	£54.3M	£4.0M	£496K
South Tyneside	18,000	£80.1M	£5.9M	£68.6M	£4.8M	£827K
Stockton-on-Tees	20,400	£92.2M	£7.6M	£79.2M	£4.8M	£655K
Sunderland	29,100	£106.6M	£11.7M	£83.9M	£9.5M	£1.4M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
North West England	784,400	£2.87Bn	£258.5M	£2.38Bn	£180.1M	£49.9M
Blackburn with Darwen	22,300	£81.4M	£7.1M	£68.6M	£4.6M	£1.2M
Blackpool	21,300	£73.7M	£7.7M	£59.3M	£5.3M	£1.5M
Bolton	31,900	£115.6M	£10.2M	£96.6M	£6.3M	£2.4M
Bury	17,600	£73.8M	£6.1M	£62.3M	£4.4M	£1.0M
Cheshire East	30,200	£104.1M	£8.9M	£87.0M	£6.1M	£2.1M
Cheshire West and Chester	25,700	£80.5M	£7.0M	£66.9M	£5.4M	£1.2M
Cumbria	53,600	£187.2M	£18.4M	£153.2M	£12.7M	£3.0M
Halton	13,400	£45.7M	£4.4M	£37.8M	£3.0M	£639K
Knowsley	17,900	£58.1M	£6.4M	£45.3M	£5.2M	£1.2M
Lancashire	131,900	£499.4M	£45.0M	£412.6M	£32.4M	£9.4M
Liverpool	67,800	£292.5M	£20.8M	£252.4M	£14.8M	£4.4M
Manchester	73,400	£259.8M	£22.3M	£216.3M	£17.0M	£4.2M
Oldham	19,700	£78.8M	£6.5M	£64.5M	£5.7M	£2.0M
Rochdale	25,900	£108.0M	£9.4M	£90.7M	£6.3M	£1.6M
Salford	32,000	£110.1M	£10.9M	£90.5M	£7.0M	£1.7M
Sefton	18,000	£66.7M	£6.1M	£54.2M	£4.9M	£1.4M
St. Helens	17,500	£73.6M	£6.1M	£62.3M	£4.2M	£992K
Stockport	27,500	£103.2M	£8.5M	£87.4M	£5.6M	£1.7M
Tameside	36,400	£152.5M	£12.3M	£131.6M	£6.6M	£2.0M
Trafford	14,400	£58.1M	£4.7M	£48.2M	£4.0M	£1.2M
Warrington	16,700	£56.5M	£5.8M	£46.0M	£3.8M	£801K
Wigan	38,500	£112.5M	£13.3M	£89.4M	£7.7M	£2.1M
Wirral	27,500	£85.1M	£10.0M	£66.6M	£6.7M	£1.9M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
South East England	849,100	£3.38Bn	£286.2M	£2.88Bn	£176.1M	£42.3M
Bracknell Forest	14,200	£56.3M	£4.8M	£48.6M	£2.5M	£491K
Brighton and Hove	29,200	£135.6M	£8.5M	£120.0M	£5.8M	£1.3M
Buckinghamshire unitary authority	45,600	£198.9M	£13.7M	£174.1M	£8.8M	£2.3M
East Sussex	51,100	£200.9M	£20.9M	£166.1M	£11.2M	£2.7M
Hampshire	118,100	£468.3M	£40.8M	£395.5M	£26.8M	£5.2M
Isle of Wight	11,200	£46.7M	£4.4M	£38.1M	£3.6M	£652K
Kent	143,900	£517.6M	£52.0M	£422.9M	£34.9M	£7.8M
Medway	19,200	£90.3M	£6.5M	£78.8M	£3.5M	£1.5M
Milton Keynes	30,200	£117.5M	£9.6M	£101.2M	£5.1M	£1.6M
Oxfordshire	64,900	£209.7M	£17.4M	£178.4M	£10.8M	£3.0M
Portsmouth	24,300	£113.4M	£7.0M	£102.1M	£3.4M	£953K
Reading	19,800	£85.9M	£6.6M	£74.3M	£4.0M	£1.0M
Slough	17,400	£79.4M	£5.7M	£69.9M	£3.0M	£802K
Southampton	26,000	£114.8M	£7.5M	£101.6M	£4.6M	£1.0M
Surrey	112,500	£504.0M	£35.2M	£441.2M	£21.2M	£6.4M
West Berkshire	14,400	£48.2M	£5.1M	£38.5M	£3.9M	£802K
West Sussex	88,800	£319.9M	£33.8M	£263.7M	£18.8M	£3.6M
Windsor and Maidenhead	10,400	£45.1M	£3.7M	£38.3M	£2.5M	£670K
Wokingham	6,300	£22.4M	£2.4M	£18.4M	£1.1M	£431K

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
South West England	552,200	£1.91Bn	£182.2M	£1.57Bn	£124.1M	£34.4M
Bath and North East Somerset	18,100	£81.3M	£4.9M	£72.6M	£3.0M	£780K
Bournemouth, Christchurch and Poole	33,000	£126.1M	£12.1M	£104.5M	£7.5M	£2.1M
Bristol, City of	56,200	£257.1M	£15.9M	£226.7M	£11.3M	£3.2M
Cornwall	48,200	£155.5M	£16.8M	£122.9M	£12.6M	£3.3M
Devon	93,000	£305.7M	£29.6M	£250.2M	£20.3M	£5.6M
Dorset	28,800	£83.5M	£10.0M	£64.3M	£7.4M	£1.7M
Gloucestershire	59,900	£186.2M	£18.9M	£151.1M	£13.8M	£2.4M
North Somerset	18,100	£61.3M	£6.8M	£48.2M	£5.1M	£1.2M
Plymouth	31,300	£111.7M	£9.4M	£93.7M	£6.2M	£2.4M
Somerset	58,300	£190.4M	£20.3M	£151.6M	£13.6M	£4.9M
South Gloucestershire	28,100	£98.5M	£8.2M	£83.8M	£5.1M	£1.5M
Swindon	17,400	£68.1M	£6.4M	£55.7M	£4.8M	£1.3M
Torbay	21,000	£70.0M	£7.5M	£55.7M	£5.6M	£1.3M
Wiltshire	41,800	£138.8M	£16.0M	£111.5M	£8.6M	£2.7M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
West Midlands	623,500	£2.29Bn	£206.1M	£1.91Bn	£135.0M	£45.1M
Birmingham	116,700	£450.7M	£38.8M	£374.0M	£26.0M	£11.9M
Coventry	49,100	£238.4M	£14.8M	£210.9M	£9.6M	£3.1M
Dudley	31,300	£99.2M	£8.6M	£81.9M	£5.6M	£3.0M
Herefordshire, County of	18,800	£53.6M	£5.6M	£43.7M	£3.5M	£828K
Sandwell	53,800	£188.7M	£17.6M	£155.6M	£11.5M	£4.0M
Shropshire	26,700	£87.9M	£10.7M	£67.9M	£7.7M	£1.5M
Solihull	17,900	£65.5M	£6.0M	£53.7M	£4.3M	£1.6M
Staffordshire	65,800	£236.1M	£23.9M	£189.0M	£17.1M	£6.1M
Stoke-on-Trent	32,500	£137.0M	£9.4M	£117.6M	£7.1M	£2.9M
Telford and Wrekin	24,100	£93.2M	£8.6M	£78.8M	£5.0M	£835K
Walsall	29,700	£91.4M	£10.7M	£72.1M	£6.0M	£2.6M
Warwickshire	66,500	£255.8M	£20.9M	£219.6M	£13.9M	£1.3M
Wolverhampton	30,500	£142.2M	£10.6M	£123.3M	£5.9M	£2.4M
Worcestershire	56,000	£183.5M	£20.7M	£146.7M	£13.1M	£3.1M

Area Name	Number of smokers	Overall cost	Healthcare costs	Productivity costs	Social care costs	Fire costs
Yorkshire and the Humber	567,100	£2.02Bn	£193.6M	£1.66Bn	£130.7M	£33.1M
Barnsley	30,800	£106.7M	£10.8M	£86.2M	£8.2M	£1.5M
Bradford	63,600	£194.5M	£18.4M	£161.0M	£11.0M	£4.2M
Calderdale	18,600	£66.5M	£7.7M	£52.4M	£4.9M	£1.6M
Doncaster	30,200	£100.2M	£9.9M	£81.2M	£6.9M	£2.1M
East Riding of Yorkshire	28,800	£110.9M	£8.9M	£94.4M	£6.2M	£1.4M
Kingston upon Hull	39,200	£158.6M	£14.7M	£131.4M	£10.4M	£2.2M
Kirklees	45,000	£164.1M	£16.8M	£132.8M	£11.5M	£3.0M
Leeds	79,100	£288.3M	£26.2M	£239.8M	£17.1M	£5.1M
North East Lincolnshire	27,100	£100.9M	£8.0M	£87.4M	£4.5M	£966K
North Lincolnshire	20,900	£57.9M	£7.4M	£45.0M	£4.7M	£787K
North Yorkshire	48,700	£133.1M	£16.7M	£100.5M	£13.3M	£2.6M
Rotherham	29,500	£92.5M	£11.2M	£72.1M	£7.6M	£1.6M
Sheffield	53,200	£266.0M	£18.8M	£232.4M	£12.2M	£2.6M
Wakefield	35,100	£130.0M	£12.6M	£106.4M	£8.1M	£2.9M
York	14,600	£50.1M	£4.6M	£41.7M	£3.1M	£715K

POPULATION AND PREVALENCE (2022)

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 (2022)

H Reed updated estimates for 2022 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 (2022)

5- H Reed updated estimates for 2022 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 2022 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 2022 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 (2022)

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 2022 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 (2019-22)

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 2022 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)