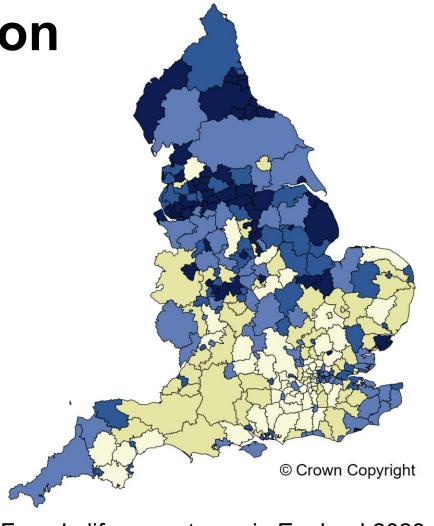
Health trends and variation in England, 2025

A Chief Medical Officer report



Years

78.2 - 81.9 81.9 - 83.1

83.9 - 84.7 84.7 - 86.8

missing

Female life expectancy in England 2023

Health trends and variation in England, 2025

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Health trends and variation in England, 2025



Foreword

This report provides a snapshot on health in England and, where relevant, the wider United Kingdom. It shows major trends over time, many of which are likely to continue for the foreseeable future, which is important for planning out NHS and public health work. It also highlights the very substantial variation in good and poor health over geography, socioeconomic status, gender, age and ethnicity. It shows health in England relative to our neighbours. By identifying groups who have the poorest health we can aim to reduce illness in the most effective, efficient and equitable way. We can also learn from areas and groups where the best health is seen.

Some of the trends are longstanding and predictable, such as the changing age structure of the population, and the improvements in health following substantially reduced smoking prevalence and outdoor air pollution in previous decades. Some important trends are less predictable, including cohort effects such as alcohol use, with lower median consumption by young people now than 3 decades ago (but still significant harmful drinking). Some are sudden, and of these the impact of COVID-19 is the most obvious, with direct effects on mortality but also indirect effects via changes in lifestyle, and impact on the provision of secondary prevention and treatment whilst the pandemic was at its peak and dominated medical services.

The biggest trend overall has been the remarkable improvement in many areas of health over the last decades, including cardiovascular diseases, many cancers and infections. These slowed around 15 years ago, and the pandemic temporarily reversed some of the gains, but they will not stop improving in the future provided we tackle the root causes of disease. Unfortunately, some communities and geographies have been left behind, suffering very high burdens of largely preventable disease. Addressing these disparities and inequalities has to be a major priority of public health and the NHS.

Professor Chris Whitty, Chief Medical Officer for England, 2025



2025

How to use this report

This compendium of health statistics has been designed to be easy to navigate and use, either to be read through from top to bottom or as a resource to come back to. It is light on text with a focus on charts and maps in a slide deck format. Interactive navigation bars and contents pages allow the reader to jump between chapters and the charts contained within each.

A headline on each page summarises a particular take-away point, but note that many charts and maps demonstrate more than one point. Below each chart is a description of the data. Further footnotes and a link to the original data source can be found at the end of the report in the references section. The source will often provide datasets available for download, more detail about the context of the topic, and notes about the data.

Geographic variation is displayed throughout this report using maps and column charts. Quintiles for these are assigned based on indicator value to ensure an equal number of areas within each group. The population ageing maps are an exception to this method. These apply an equal range of indicator values to each group. Note that map legend value ranges are rounded for display purposes.

This slide deck is supported by a series of data download files (one per chapter) for those wishing to see or re-use the underlying data from the charts and maps presented.

Note: the COVID-19 pandemic disrupted data collection for a number of health indicators. Where possible, this has been accounted for in the headlines or chart annotations. However, we advise readers to exercise caution when interpreting data collected during this period. International comparisons were chosen to demonstrate features of England's population and based on availability of data.

Health trends and

2025

variation in England,

Chapter 1

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1.14 Population pyramids - change over time by age and sex

Life expectancy and population change

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Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

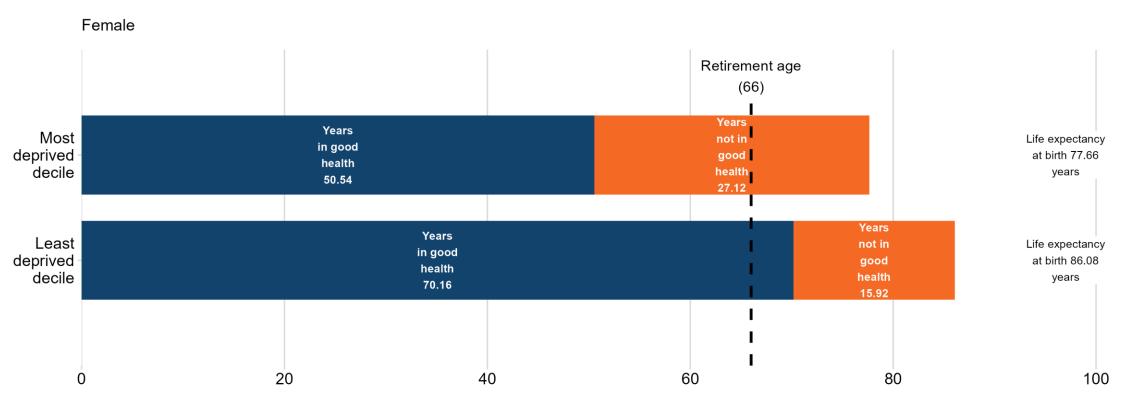
Screening and vaccination

References



Those who live the longest often have the shortest period of ill health. Those living in the most deprived areas have shorter lives and longer periods of preventable ill health (female).

Figure 1.1 Years lived in good and not good health - female (summary)



Female life expectancy at birth showing years lived in good health and not good health for the most and least deprived deciles, England, 2020 to 2022. Based on the 2019 Index of Multiple Deprivation (IMD) for 2021 lower super output areas.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

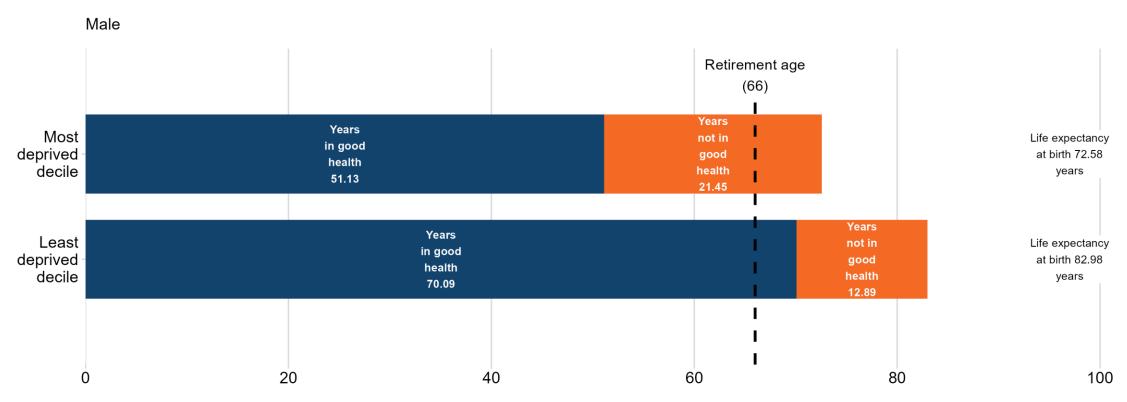
Screening and vaccination

References



Those who live the longest often have the shortest period of ill health. Those living in the most deprived areas have shorter lives and longer periods of preventable ill health (male).

Figure 1.2 Years lived in good and not good health - male (summary)



Male life expectancy at birth showing years lived in good health and not good health for the most and least deprived deciles, England, 2020 to 2022. Based on the 2019 Index of Multiple Deprivation (IMD) for 2021 lower super output areas.

Maternal and child health

Risk factors and wider determinants

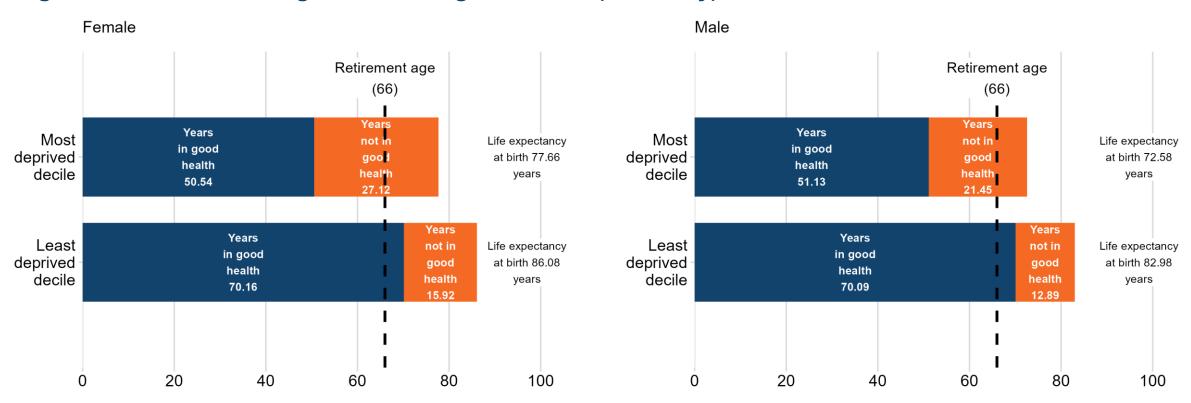
Screening and vaccination

References



There are inequalities in the number of years lived in good health versus poorer health.

Figure 1.3 Years lived in good and not good health (summary)



Life expectancy at birth showing years lived in good health and not good health for the most and least deprived deciles, England, 2020 to 2022. Based on the 2019 Index of Multiple Deprivation (IMD) for 2021 lower super output areas.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

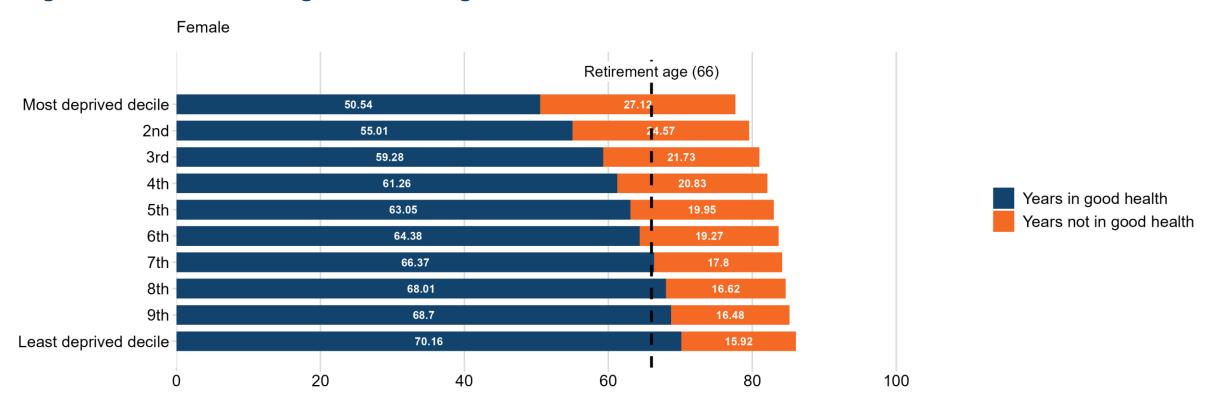
Screening and vaccination

References



The trends in inequalities in the number of years lived in good health versus poorer health extend over the entire spectrum of poverty and affluence (female).

Figure 1.4 Years lived in good and not good health - female



Female life expectancy at birth showing years lived in good health and not good health by deprivation decile, England, 2020 to 2022. Based on the 2019 Index of Multiple Deprivation (IMD) for 2021 lower super output areas.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

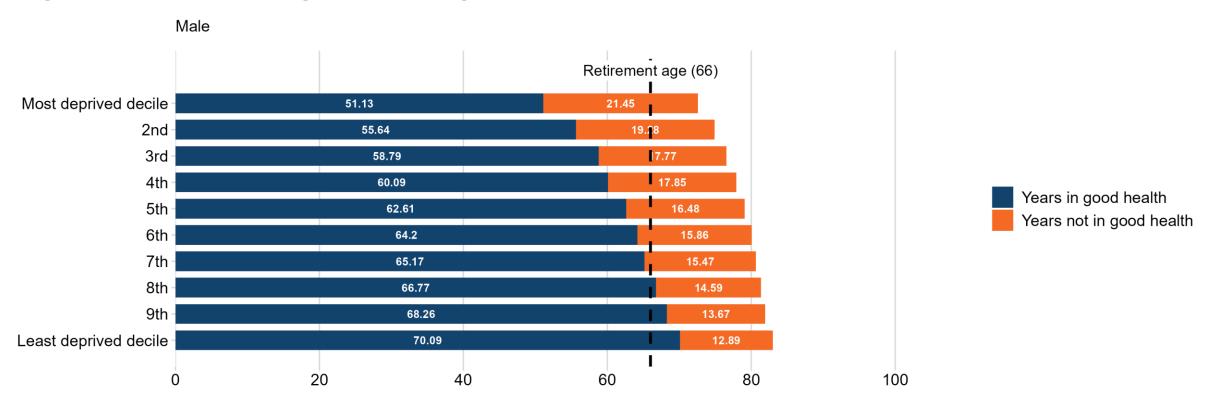
Screening and vaccination

References



The trends in inequalities in the number of years lived in good health versus poorer health extend over the entire spectrum of poverty and affluence (male).

Figure 1.5 Years lived in good and not good health - male



Male life expectancy at birth showing years lived in good health and not good health by deprivation decile, England, 2020 to 2022. Based on the 2019 Index of Multiple Deprivation (IMD) for 2021 lower super output areas.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

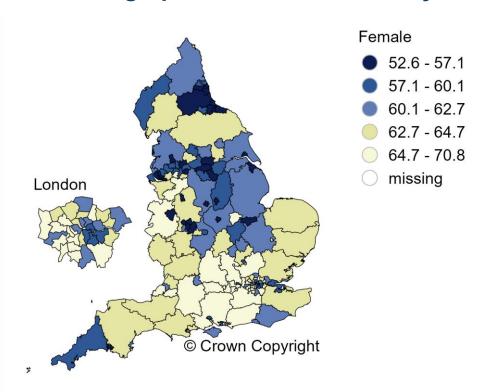
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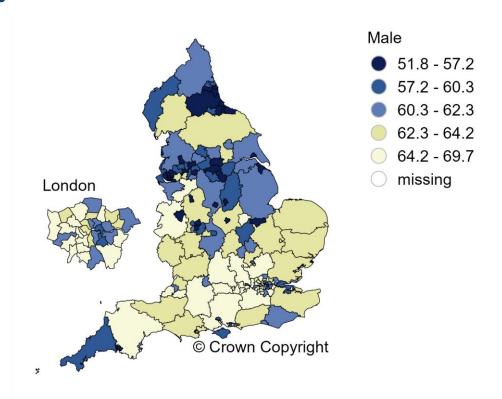
References



Healthy life expectancy (expected number of years spent in good health) is lower in more deprived areas.

Figure 1.6 Geographic variation in healthy life expectancy





Healthy life expectancy at birth (years) for upper tier local authorities in England, female (left) and male (right), 2021 to 2023. Healthy life expectancy is the number of years people are expected to spend in "good" general health, based on how people perceive their own health.

Maternal and child health

Risk factors and wider determinants

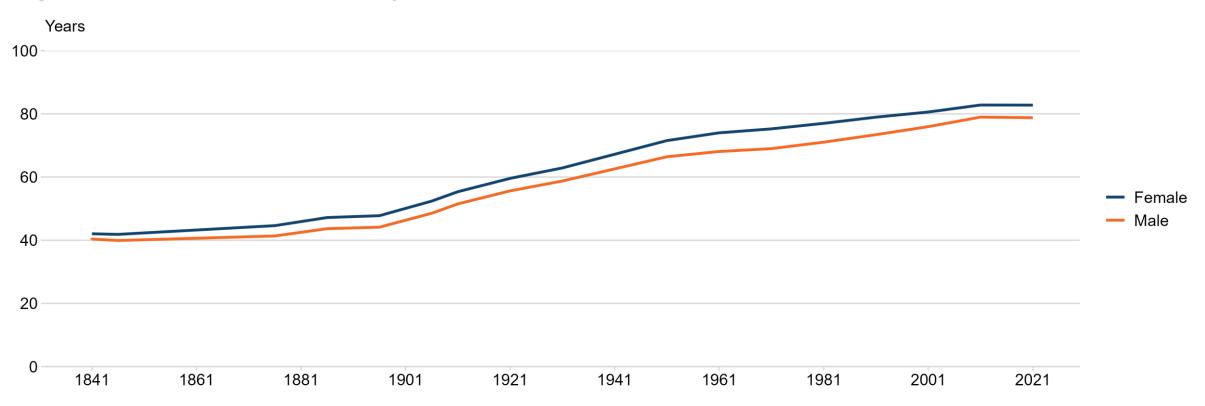
Screening and vaccination

References



Life expectancy has increased over the last 2 centuries.

Figure 1.7 Trend in life expectancy - 1838 to 2022



Life expectancy at birth (years), by sex, England and Wales, between 1838 and 2020 to 2022. From 1910 onwards 3 year aggregate data is plotted against the midpoint in the range. For earlier time periods ranges are inconsistent but are plotted against the mid-point in the range.

Life expectancy and

population change

morbidity

Maternal and child health

Risk factors and wider determinants

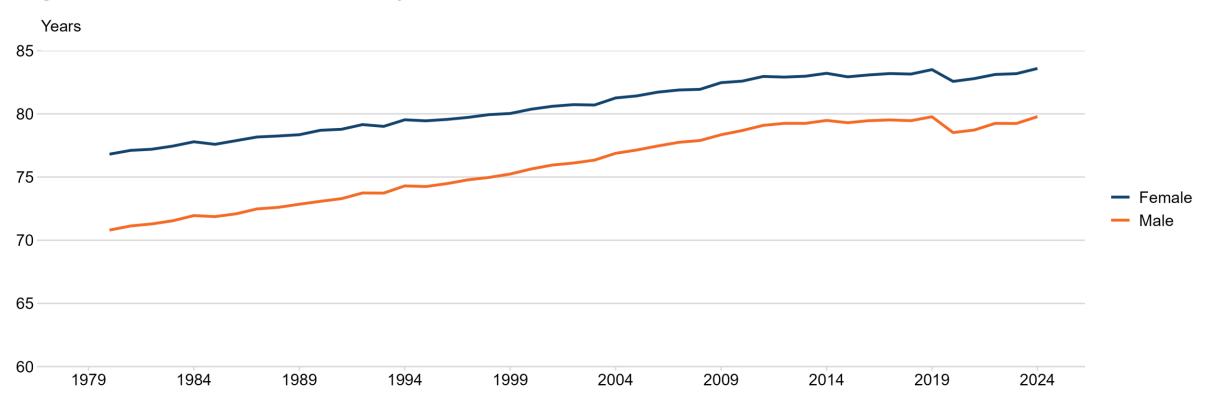
Screening and vaccination

References



Increases in life expectancy slowed down between 2010 and 2019. Life expectancy fell during the early COVID-19 pandemic but is now similar to 2019.

Figure 1.8 Trend in life expectancy - 1980 to 2024



Life expectancy at birth (years), by sex, England, 1980 to 2024.

Maternal and child health

Risk factors and wider determinants

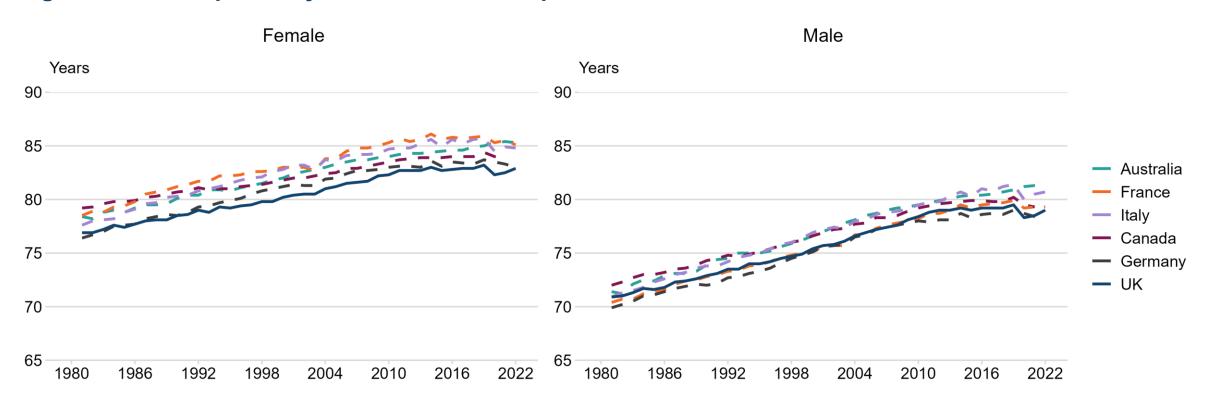
Screening and vaccination

References



UK life expectancy is lower than many comparable countries, but most countries also had a decrease in the COVID-19 pandemic and a slowdown in improvement prior to it.

Figure 1.9 Life expectancy - international comparison



Life expectancy at birth (years), by sex, UK and selected countries, 1981 to 2022.

Maternal and child health

Risk factors and wider determinants

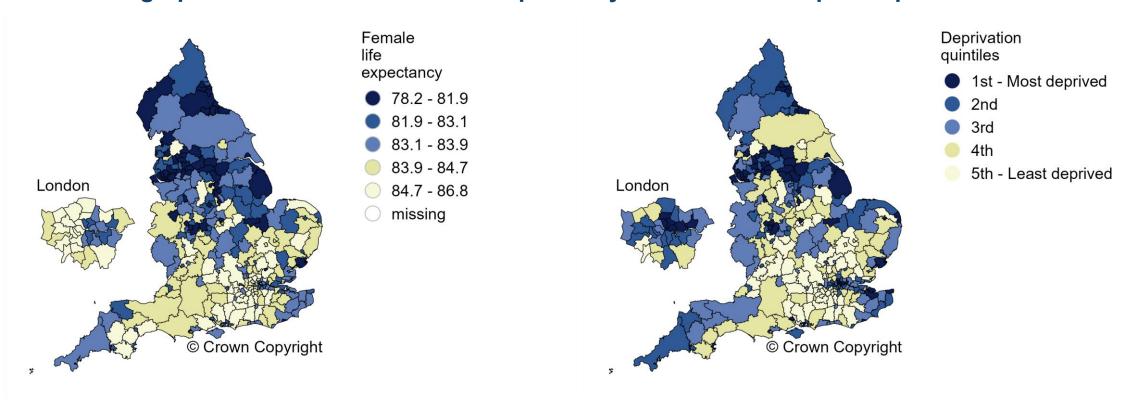
Screening and vaccination

References



Life expectancy is lower in more deprived areas (females).

Figure 1.10 Geographic variation in female life expectancy - shown with map of deprivation



Left: Female life expectancy at birth (years) for lower tier local authorities in England, 2023. Right: Index of Multiple Deprivation (IMD) quintiles for lower tier local authorities in England, 2019.

Maternal and child health

Risk factors and wider determinants

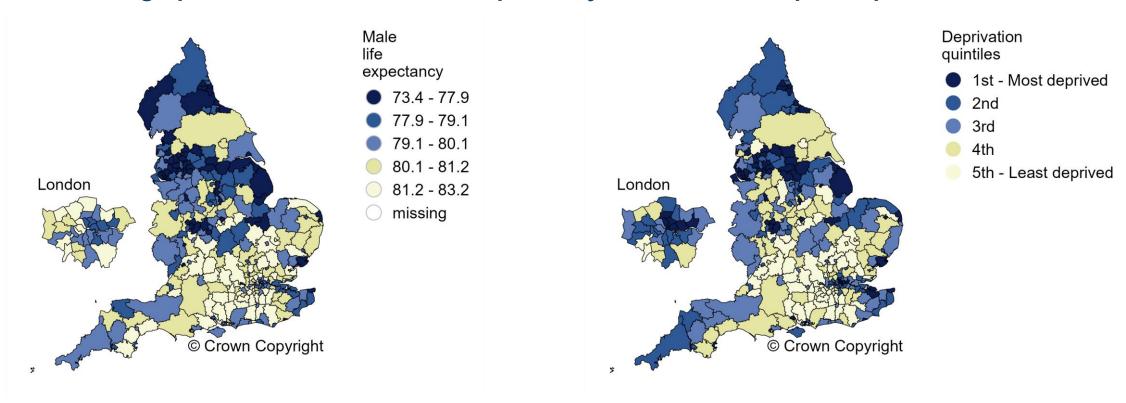
Screening and vaccination

References



Life expectancy is lower in more deprived areas (males).

Figure 1.11 Geographic variation in male life expectancy - shown with map of deprivation



Left: Male life expectancy at birth (years) for lower tier local authorities in England, 2023. Right: Index of Multiple Deprivation (IMD) quintiles for lower tier local authorities in England, 2019.

Maternal and child health

Risk factors and wider determinants

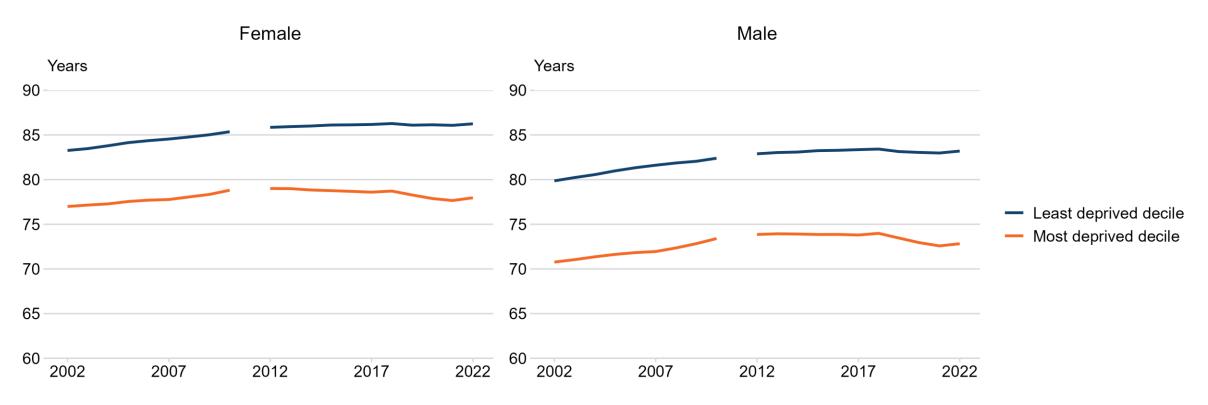
Screening and vaccination

References



The gap in life expectancy between the most and least deprived areas is greater for males than females and has persisted and widened over time.

Figure 1.12 Life expectancy trend by deprivation



Trend in life expectancy at birth in the most and least deprived deciles based on the Index of Multiple Deprivation (IMD) for lower super output areas (LSOAs), by sex, England, between 2001 to 2003 and 2021 to 2023. Data for 2021 to 2023 is provisional. Data is not available for 2010 to 2012 due to lack of consistent population estimates. Years indicate the mid-point in a 3-year range.

Maternal and child health

Risk factors and wider determinants

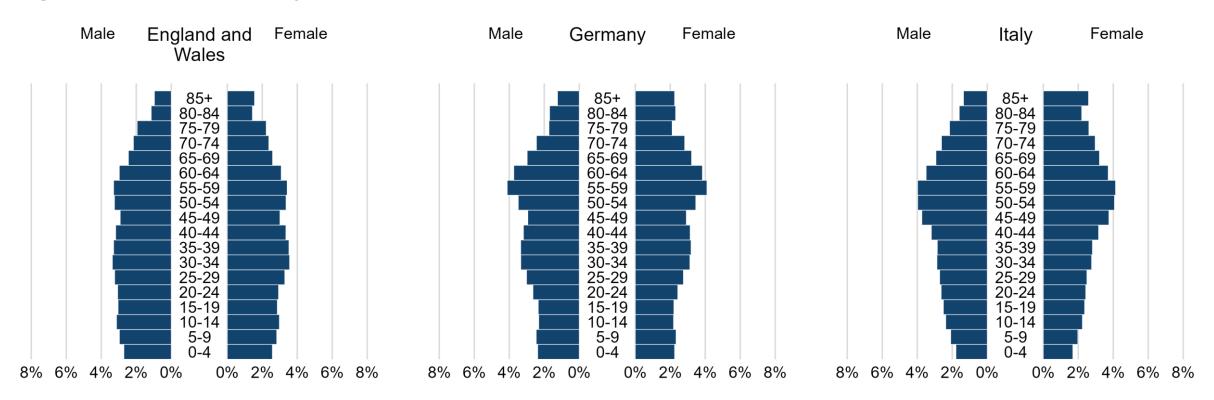
Screening and vaccination

References



In England and Wales, the proportion of the population close to retirement age is less pronounced than in other similar European countries.

Figure 1.13 Population pyramids - international comparison



Structure of the population showing the percentage of the total population in each sex and age group for England and Wales compared with Germany and Italy, 2023. Uses mid-year populations (England and Wales) and United Nations Population Division model-based estimates (Germany and Italy).

Maternal and child health

Risk factors and wider determinants

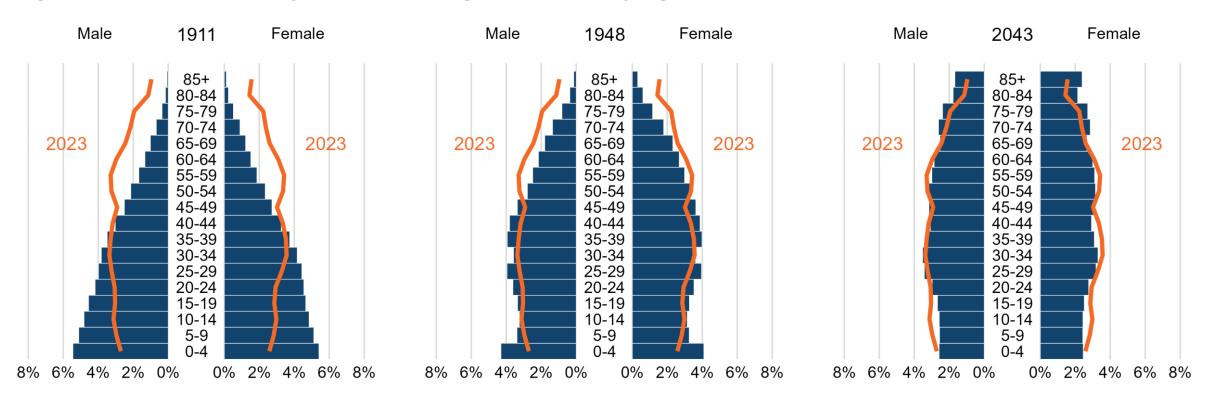
Screening and vaccination

References



The population has gone through a major demographic change over a century and the proportion of older adults is projected to increase.

Figure 1.14 Population pyramids - change over time by age and sex



Change in the structure of the population of England and Wales over time showing the percentage of the total population in each sex and age group in 2023 compared with 1911, 1948 and projection for 2043. Uses mid-year populations.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

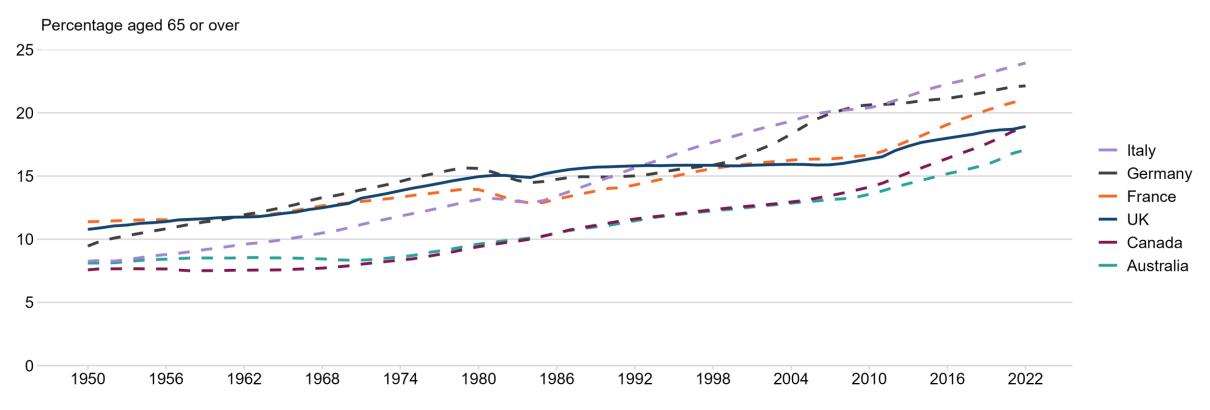
Screening and vaccination

References



Populations are ageing in many comparable countries, some faster than the UK.

Figure 1.15 Population ageing - international comparison



Percentage of the population aged 65 years or over, UK and selected countries, 1950 to 2022.

Maternal and child health

Risk factors and wider determinants

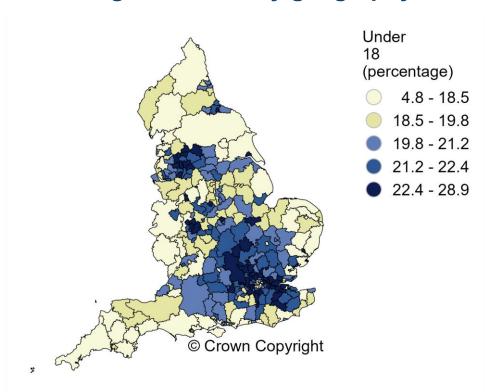
Screening and vaccination

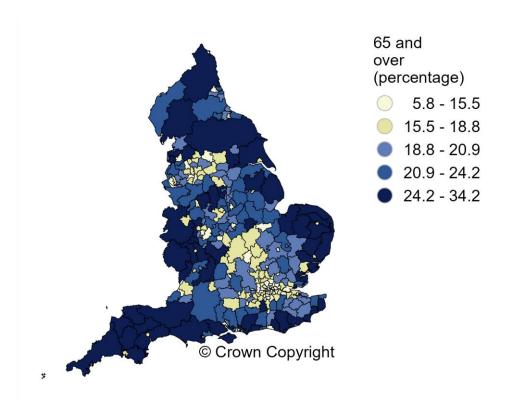
References



Rural and coastal areas have a higher proportion of older people than urban areas.

Figure 1.16 Age structure by geography





Percentage of the population aged under 18 years (left) and aged 65 and over (right) for lower tier local authorities in England, 2023.

Life expectancy and

population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

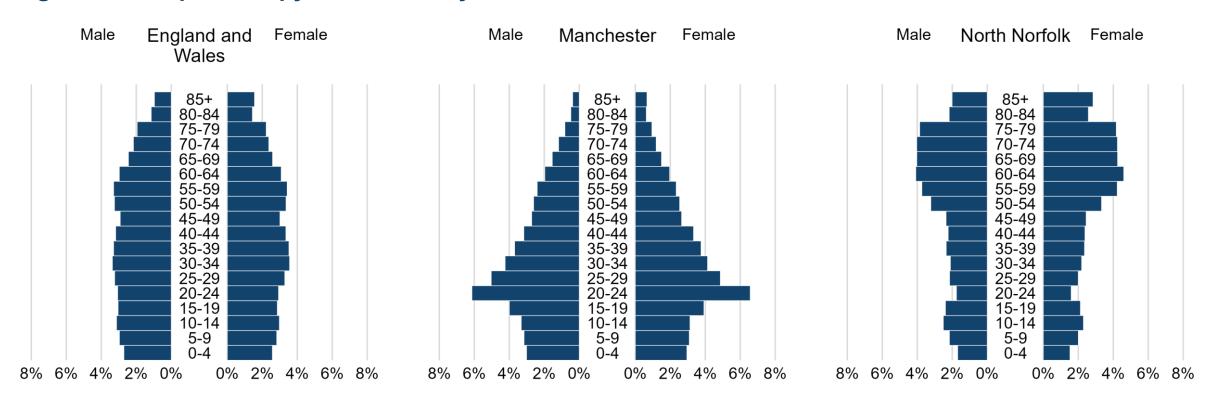
Screening and vaccination

References



Rural and coastal areas have a higher proportion of older people in their population than urban areas.

Figure 1.17 Population pyramids for city and rural areas



Structure of the population showing the percentage of the total population in each sex and age group for England and Wales compared with Manchester and North Norfolk as examples of city and rural locations, 2023. Uses mid-year populations.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

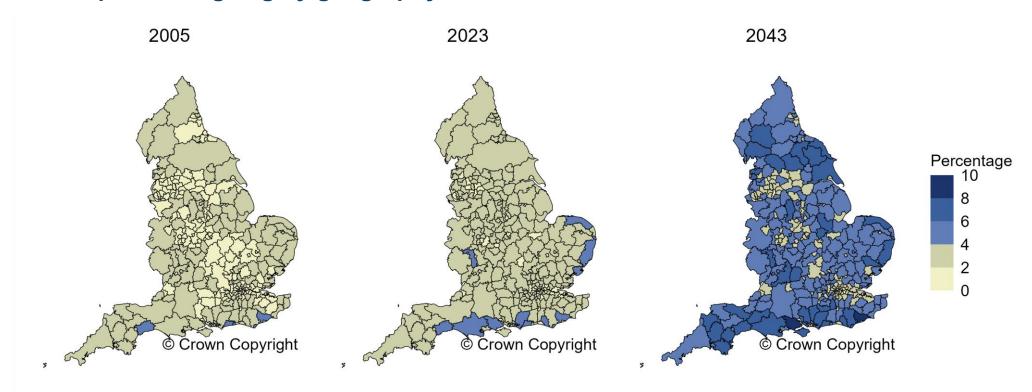
Screening and vaccination

References



Most areas are ageing, but by 2043 the largest proportions of the population aged 85 and over will remain predominantly in rural and coastal areas.

Figure 1.18 Population ageing by geography



Percentage of the population aged over 85 years in 2005 (left), 2023 (centre) and projected in 2043 (right).

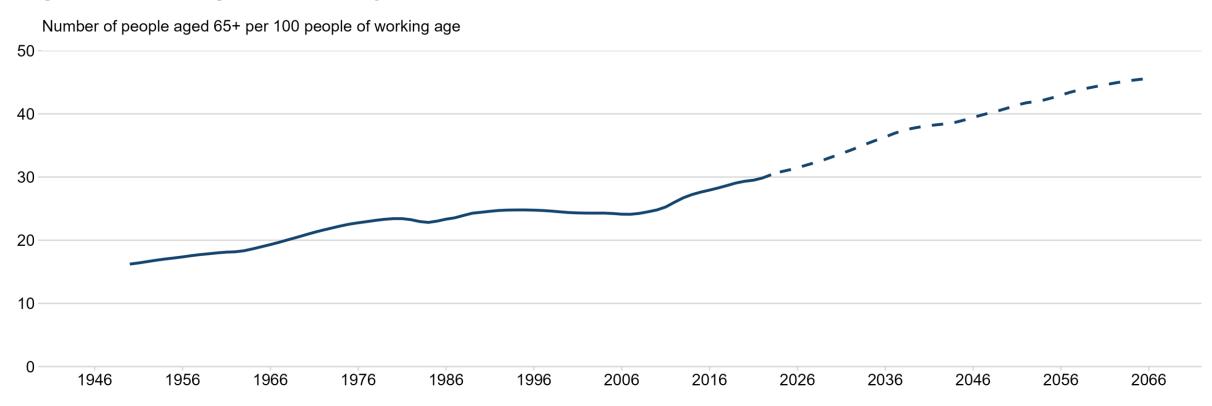


The number of older adults will increase more rapidly than the number of people of working age, with changes to the old age dependency ratio.

Figure 1.19 Old age dependency ratio

Life expectancy and

population change



Historic and projected number of people aged 65 and over per 100 people of working age (15 to 64), United Kingdom, 1950 to 2066. Based on population estimates (solid line) and population projections (dotted line).

Life expectancy and

population change

Maternal and child health Risk factors and wider determinants

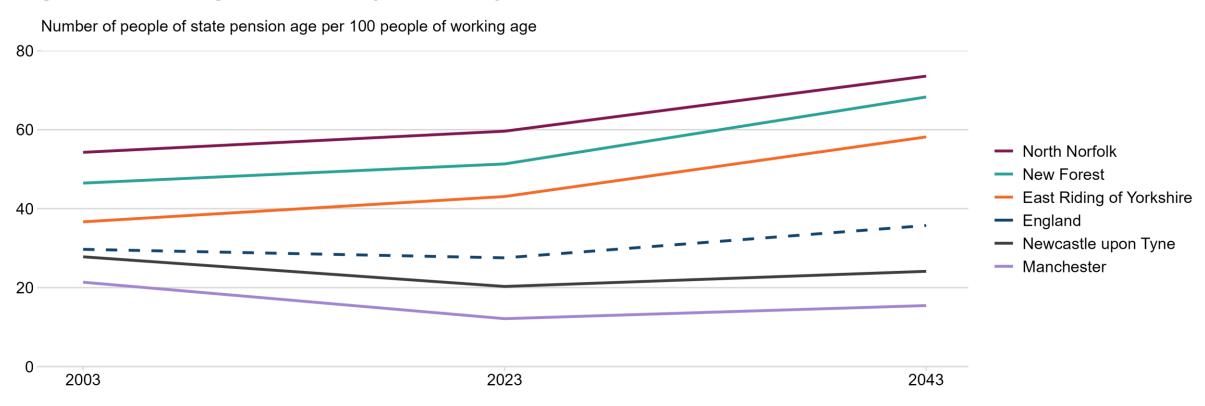
Screening and vaccination

References



The increase in older adults compared with working age adults will affect most areas. The old age dependency ratio will remain highest in rural and coastal areas.

Figure 1.20 Old age dependency ratio - city and rural areas



Historic and projected old age dependency ratios for 5 local authority districts, compared with the England average, 2003, 2023 and 2043. Figures are adjusted to account for changes in the State Pension age: 60 for women and 65 for men in 2003, 66 for both sexes in 2023, 67 for both sexes in 2043.

Risk factors and wider determinants

Screening and vaccination

References

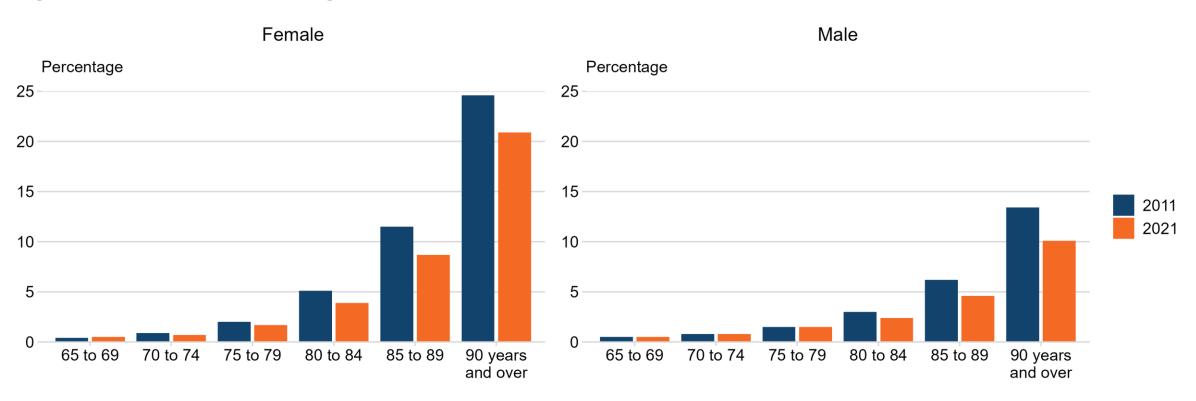


The majority of older people do not live in care homes.

Figure 1.21 Population living in care homes

Life expectancy and

population change



Percentage of usual resident population in each 5-year age group from age 65 years living in care homes by sex, England and Wales, 2011 and 2021.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

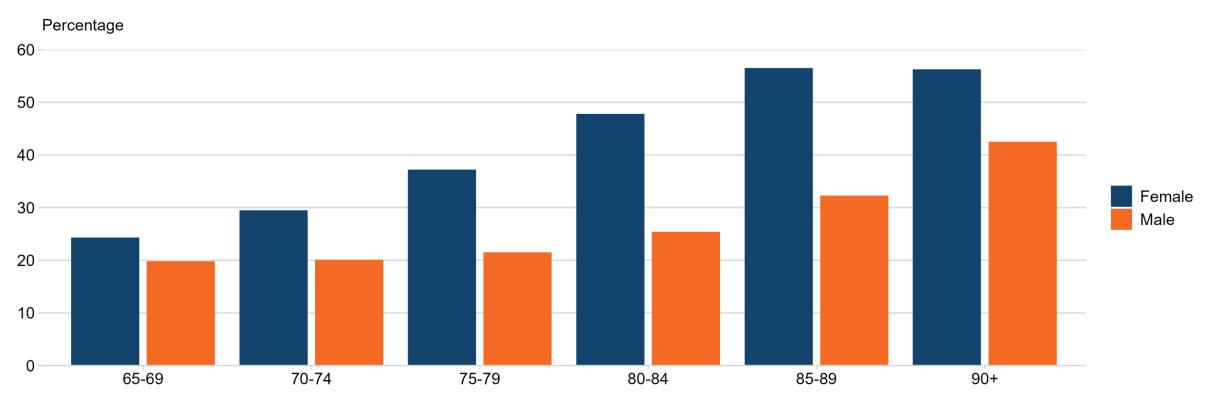
Screening and vaccination

References



There are differences between the sexes in the proportion of older adults living alone.

Figure 1.22 Population aged 65 years and over living alone



Percentage of the population aged 65 years and over living alone, by 5-year age groups and sex, England and Wales, 2021.

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

References



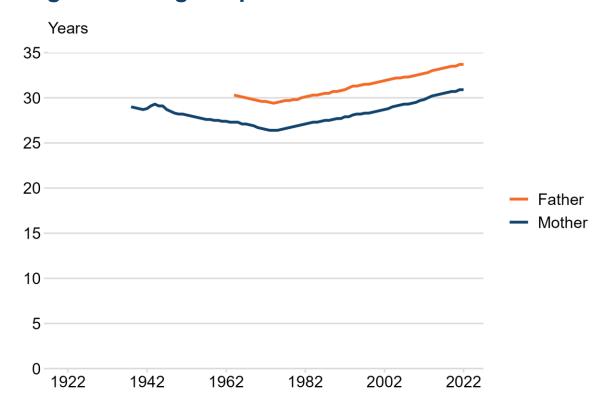
There has been a reduction in the number of children born per woman of childbearing age and the age of parenthood is increasing.

Figure 1.23 Total fertility rate



Total fertility rate (average number of children per woman), England and Wales, 1938 to 2023.

Figure 1.24 Age of parenthood



Standardised mean age of parenthood, mothers and fathers, England and Wales, 1938 to 2022.

Health trends and

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Chapter 2

Mortality and morbidity

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Chapter 2

Mortality and morbidity (continued)

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Maternal and child health

Risk factors and wider determinants

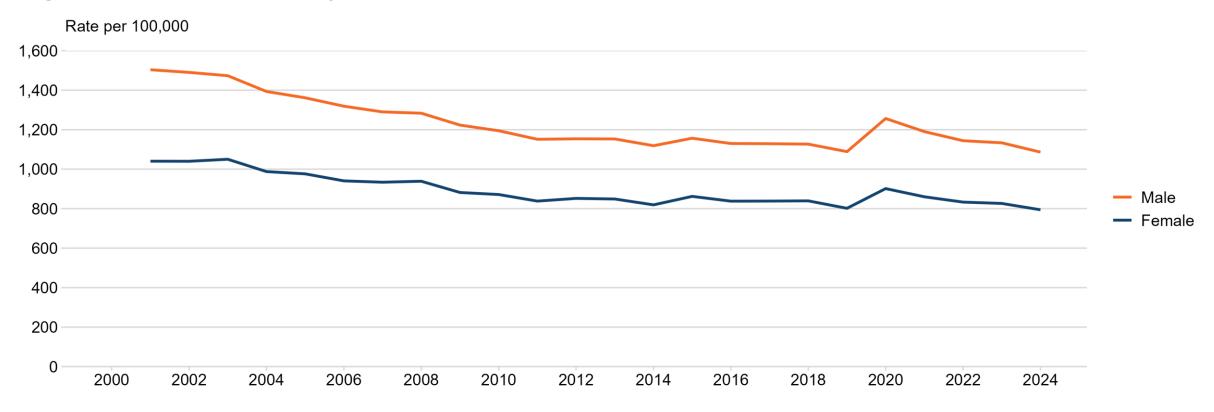
Screening and vaccination

References



Mortality rates have improved over the last 20 years with current rates returning to 2019 levels after an increase during the COVID-19 pandemic.

Figure 2.1 Trend in mortality



Mortality from all causes, all ages (directly age-standardised rates), England, 2001 to 2024.

Maternal and child health

Risk factors and wider determinants

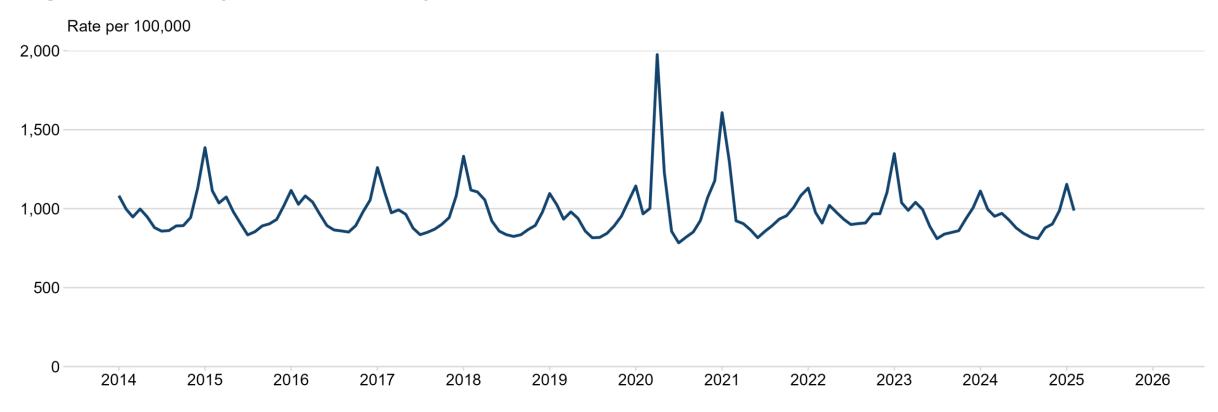
Screening and vaccination

References



Mortality rates fluctuate throughout the year, reflecting seasonal trends. There was a particularly pronounced fluctuation during the COVID-19 pandemic.

Figure 2.2 Monthly trend in mortality



Monthly trend in directly age-standardised mortality rates, England, January 2014 to February 2025.

Maternal and child health

Risk factors and wider determinants

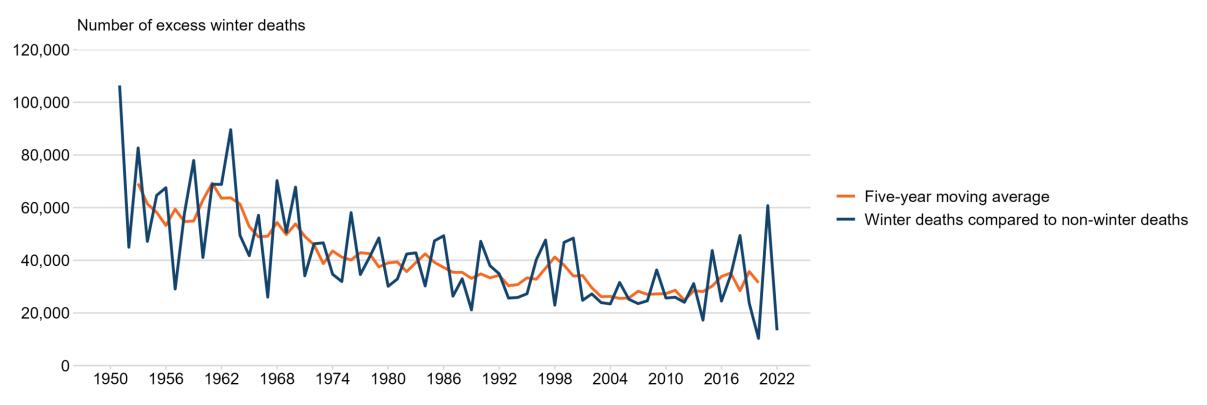
Screening and vaccination

References



Excess winter deaths have reduced since the 1950s, however, improvements have stalled since the early 2000s.

Figure 2.3 Excess winter deaths



Excess winter deaths and 5-year central moving average (based on death occurrences), England and Wales, 1950 to 1951 to 2021 to 2022. Excess winter deaths are defined as the additional number of deaths that occurred in the winter period (December to March) compared with the average number of deaths that occurred in the preceding August to November and the following April to July. Data is recorded against the year in which each winter period ended.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

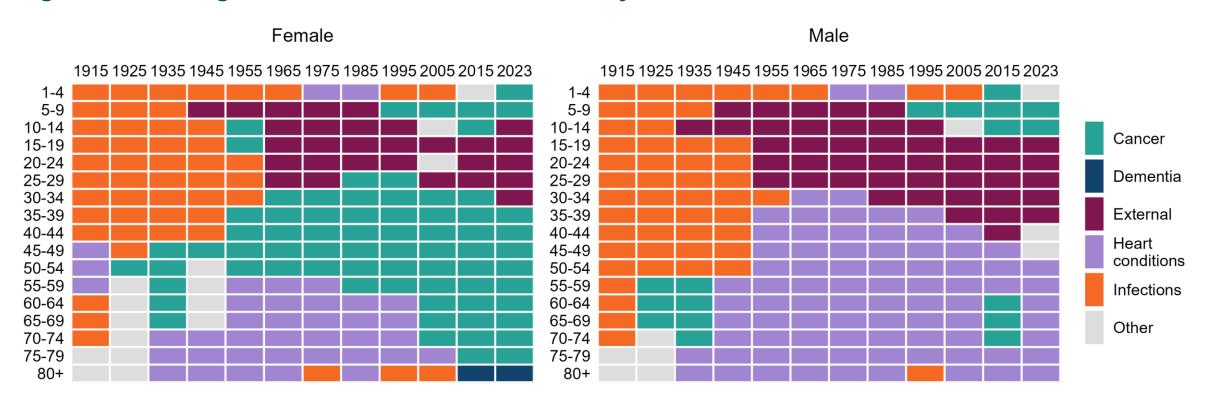
Screening and vaccination

References



The leading cause of death varies by age group and by sex. Infections are no longer the leading cause for any age group.

Figure 2.4 Leading causes of death over the last 100 years



Leading cause of death by age over time, female (left) and male (right), England and Wales, 1915 to 2023. Excludes deaths in infants under one year of age. External is defined as events, circumstances, or conditions that are the source of an injury or other health condition, rather than being caused by a pre-existing medical condition; and may be intentional (such as violence) or unintentional (such as accidents).

Maternal and child health

Risk factors and wider determinants

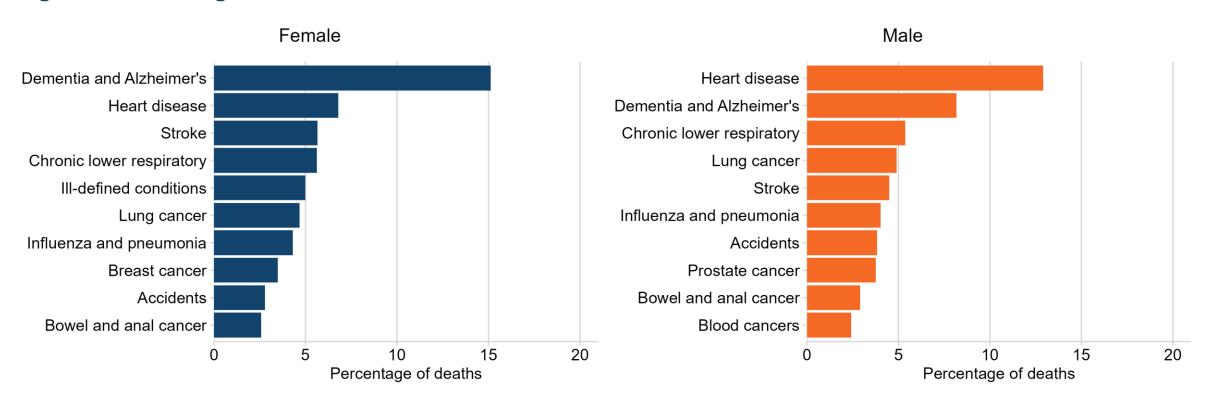
Screening and vaccination

References



In 2023, dementia and Alzheimer's was the leading cause of death for females; heart disease was the leading cause for males.

Figure 2.5 Leading causes of death



Leading causes of death, female (left) and male (right), percentage, England, 2023.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

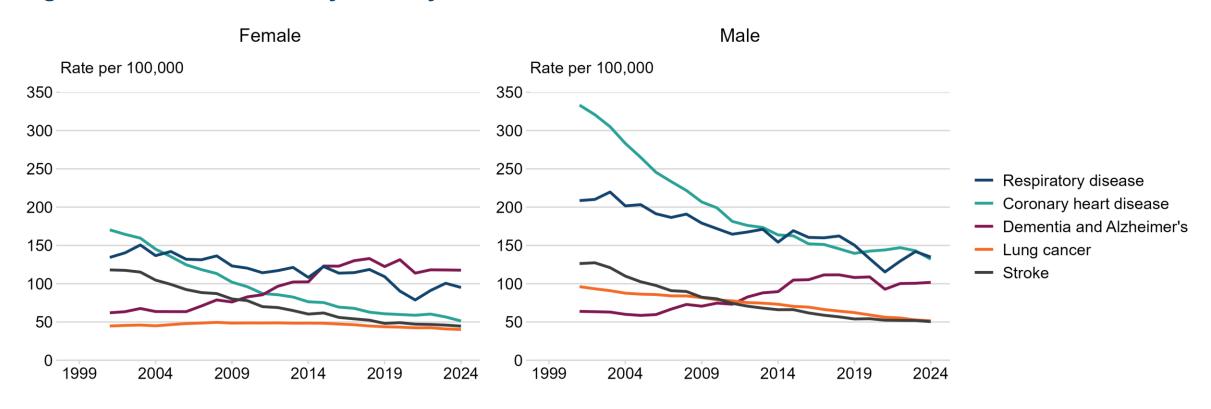
Screening and vaccination

References



Over the last 2 decades, mortality rates from dementia and Alzheimer's have increased, mainly because rates from other leading causes of death have decreased.

Figure 2.6 Trend in mortality rates by cause of death



Trend in mortality from leading causes of death (directly age-standardised rates per 100,000 population), all ages, female (left) and male (right), England, 2001 to 2024.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

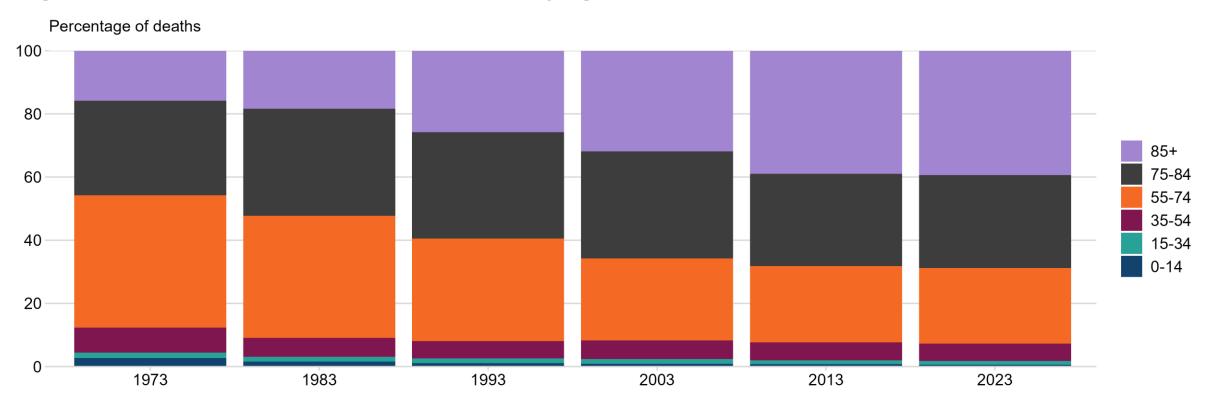
Screening and vaccination

References



A smaller proportion of people die prematurely (under 75 years). In 1973, 54% of deaths were in people aged under 75 compared with 31% in 2023.

Figure 2.7 Trend in the distribution of deaths by age



Percentage of total deaths by age group, England and Wales, 1973 to 2023.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

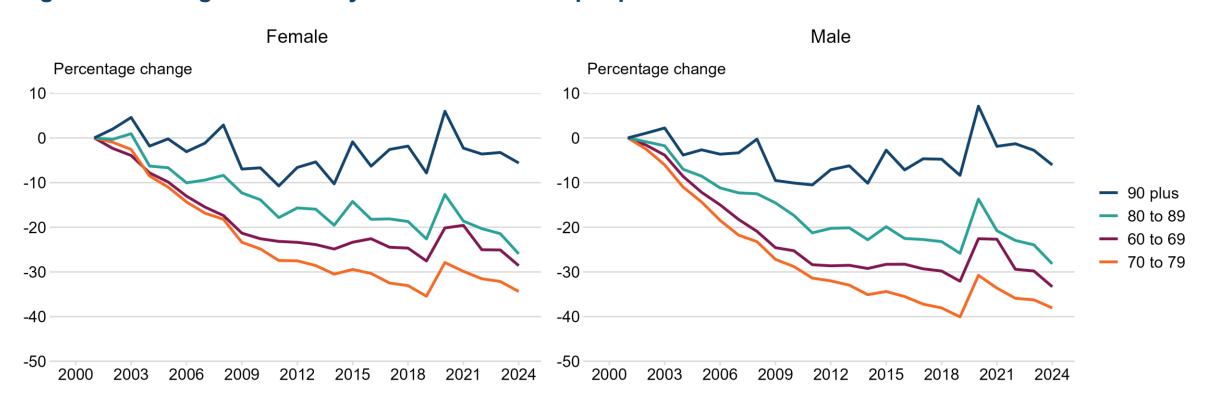
Screening and vaccination

References



There have been improvements in mortality rates in older adults, but not extending to people aged 90 years or over.

Figure 2.8 Change in mortality over time in older people



Percentage change in age-specific mortality rates in persons aged 60 and over by 10 year age bands for women (left) and men (right), England, 2001 to 2024.

Maternal and child health

Risk factors and wider determinants

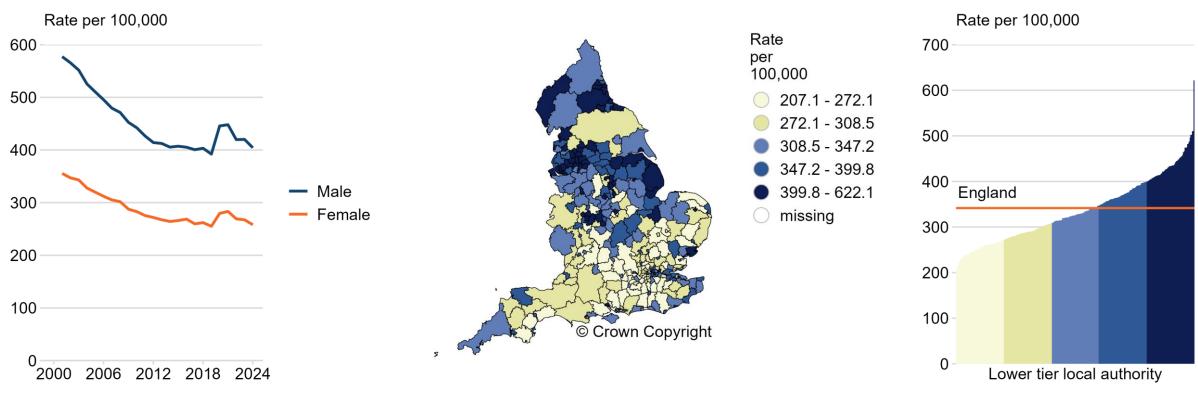
Screening and vaccination

References



Premature mortality rates have almost returned to pre-pandemic levels. Rates are highest in areas of deprivation.

Figure 2.9 Premature mortality



Under 75 mortality rate from all causes by sex. Directly age-standardised rates per 100,000 population, for England, 2001 to 2024 (left) and for lower tier local authorities, 2023 (centre and right). The data for 2024 has been generated using provisional mortality data and 2022-based population projections from the Office for National Statistics.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

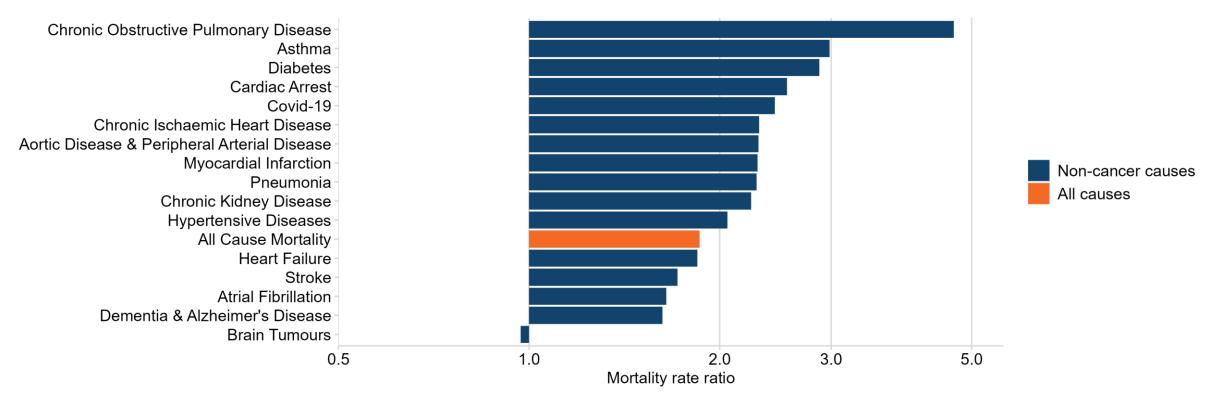
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Mortality rates were higher in the most deprived areas compared with the least deprived areas for most causes of death between 2021 and 2023.

Figure 2.10 Mortality rate differences for the most and least deprived deciles - non cancer



Differences in non-cancer mortality rates between the most and least deprived deciles (Index of Multiple Deprivation (IMD)) by health condition (based on mentions on the death certificate) among people aged 16 and over, England, March 2021 to January 2023. Differences are expressed as the ratio of the mortality rate in the least deprived decile, so a value greater than one indicates a higher mortality rate in the most deprived decile.

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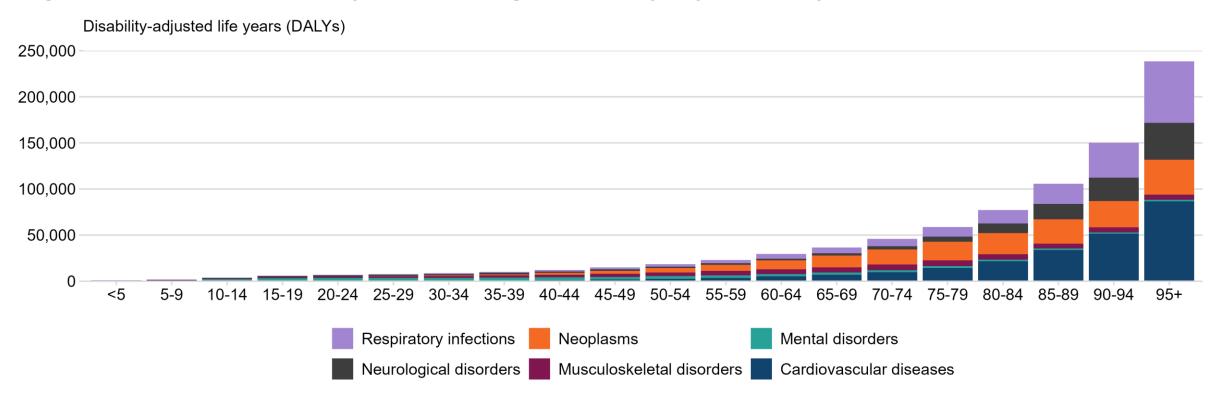


Disease burden increases with age. Neoplasms, cardiovascular disease and respiratory infections account for increasing proportions of the disease burden as people age.

Figure 2.11 Disease burden by cause and age - disability adjusted life years (DALYs)

Maternal and child

health



Disease burden by age group for the top 6 broad causes, disability-adjusted life years (DALYs), England, 2021. Disability Adjusted Life Years take into account both years of life lost prematurely, and years lived with a disability. Note that COVID-19 accounted for 81% of DALYs in the respiratory infections group in 2021.

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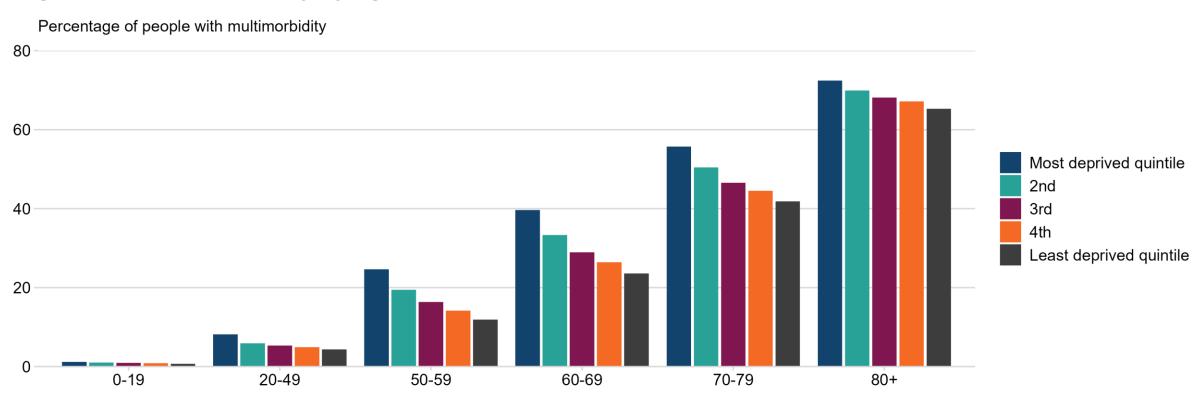
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Data from 2020 shows multimorbidity (multiple conditions at once) increases with age but is more prevalent in more deprived areas, especially in younger age groups.

Figure 2.12 Multimorbidity by age and deprivation



Prevalence of multimorbidity (2 or more conditions) by age and deprivation (Index of Multiple Deprivation (IMD) quintiles), England, 2020.

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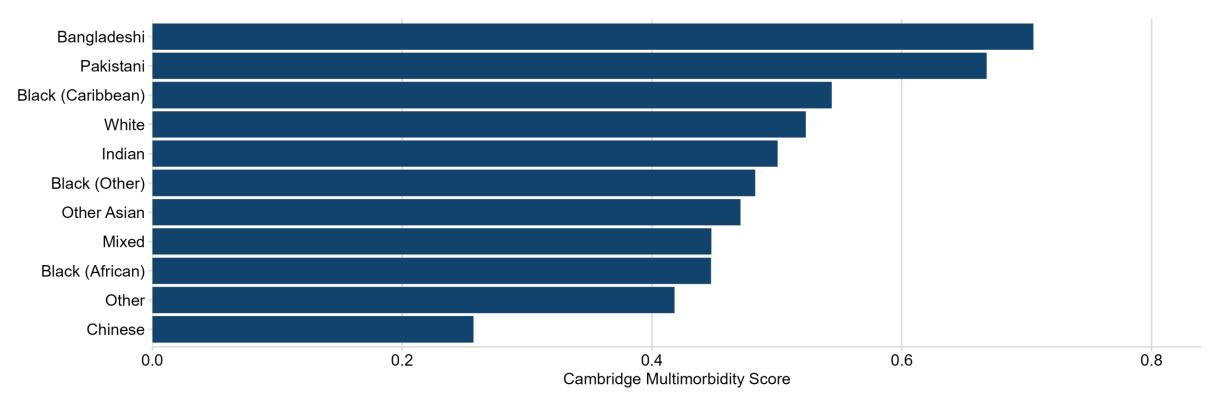
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Data from 2019 to 2020 shows the burden of multimorbidity (multiple conditions at once) varies by ethnic group.

Figure 2.13 Average Cambridge Multimorbidity Score by ethnic group



Diagnosed illness (average Cambridge Multimorbidity Score) by ethnicity, age-standardised, England, 2019 to 2020. The Cambridge Multimorbidity Score is used to assess the impact of having 2 or more health conditions on an individual's health and healthcare utilisation and is calculated at a patient level, based on 20 different conditions.

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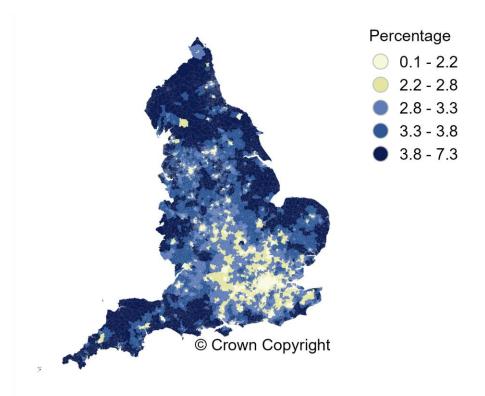
Screening and vaccination

References



Coronary heart disease was most prevalent in coastal and rural areas over 2022 to 2023 and 2023 to 2024, partly related to age structure and deprivation.

Figure 2.14 Coronary heart disease (CHD) prevalence



Prevalence of diagnosed coronary heart disease (CHD). The percentage of people of all ages with a diagnosis of CHD, as recorded on GP practice registers (QOF), attributed to Lower Super Output Areas in England, financial year end data (31 March) 2023 and 2024 combined.

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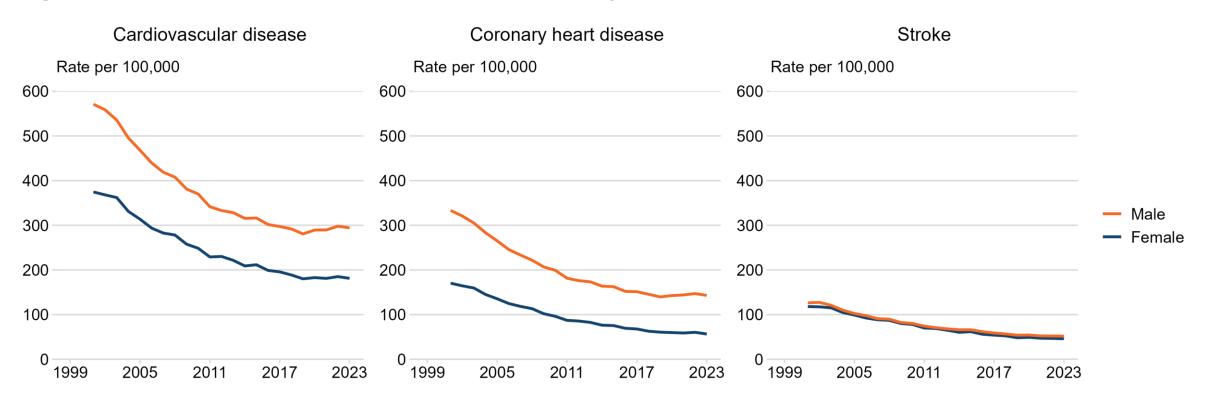
Screening and vaccination

References



Mortality rates from cardiovascular disease, including coronary heart disease and stroke, have decreased.

Figure 2.15 Trend in cardiovascular disease mortality



Mortality from cardiovascular diseases (directly age-standardised rates per 100,000 population), all ages, England, 2001 to 2023.

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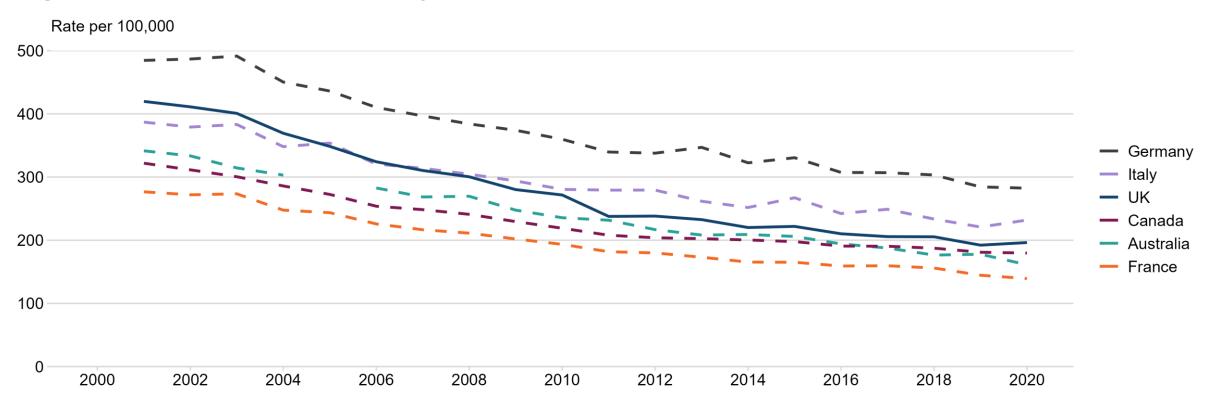
Screening and vaccination

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Reductions in mortality rates from cardiovascular disease have been seen in the UK and other high-income countries.

Figure 2.16 Cardiovascular mortality - international comparison



Deaths caused by cardiovascular disease, age-standardised rates per 100,000 population, UK and selected countries, 2001 to 2020.

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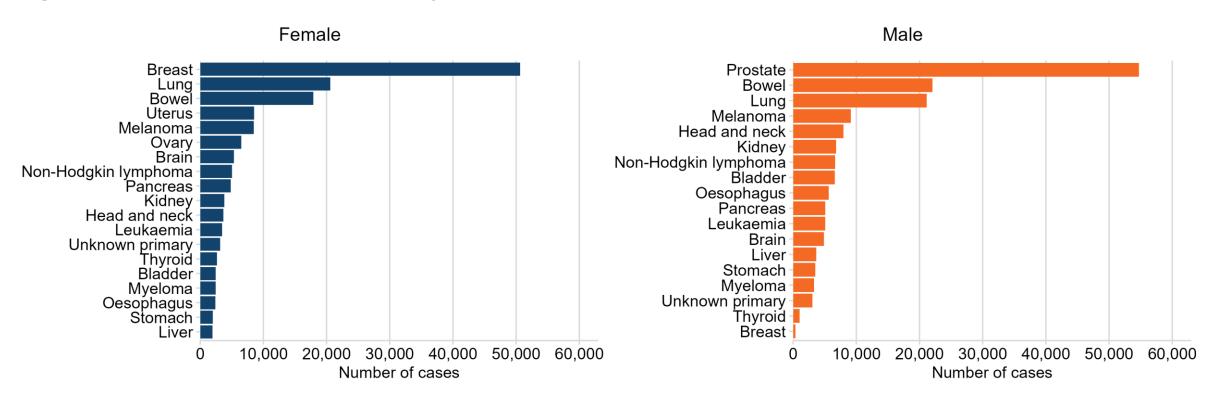
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Breast, prostate, bowel and lung cancer were the most common major cancers in 2022.

Figure 2.17 Most common cancers by site



New cancer diagnoses by site, for the most common sites, by sex, England, 2022.

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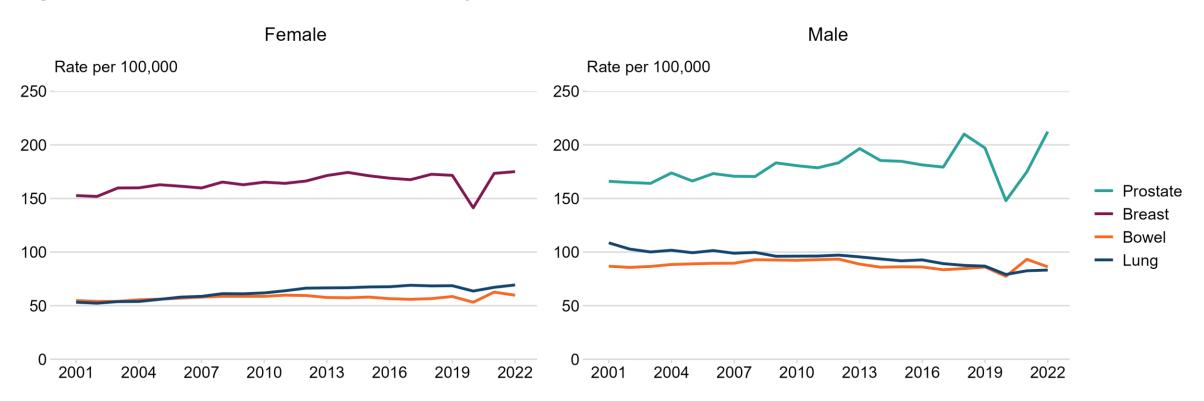
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References



Incidence of diagnosed prostate and breast cancer has increased. Lung cancer incidence decreased for males and increased for females, reflecting historical smoking trends.

Figure 2.18 Trend in cancer incidence by site



Trend in cancer incidence by site (age standardised rates per 100,000 population), by sex, England, 2001 to 2022.

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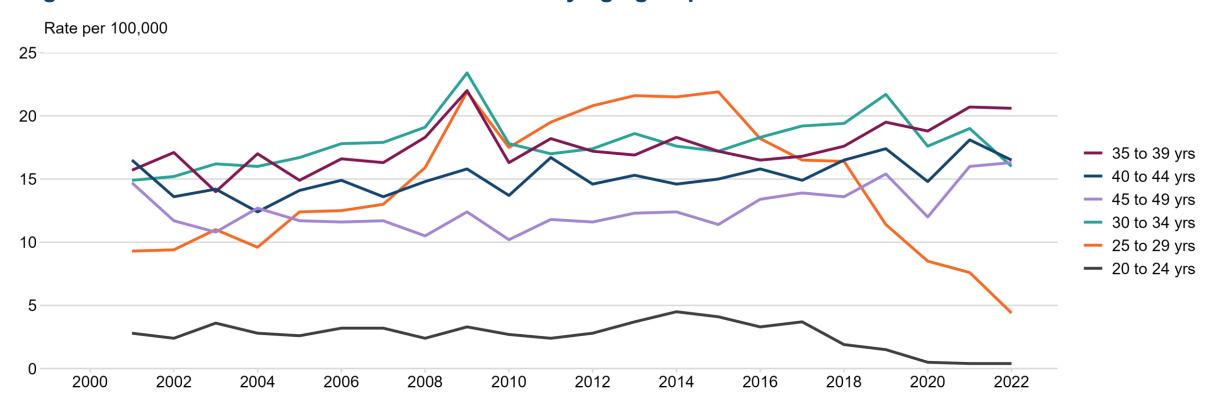
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Women under 30 have rapidly falling cervical cancer rates due to HPV vaccination which was introduced in 2008.

Figure 2.19 Trend in cervical cancer incidence by age group



Trend in cervical cancer incidence by age group (age standardised rates per 100,000 population), England, 2001 to 2022. In England, the human papillomavirus (HPV) vaccine has been offered to girls in school year 8 since September 2008.

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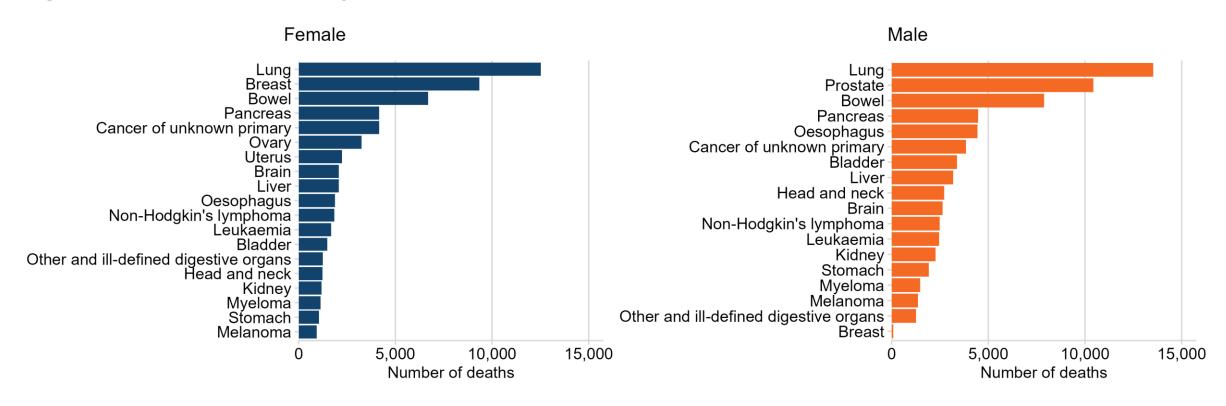
Screening and vaccination

References



Lung cancer was the leading cause of cancer deaths in males and females in 2023, over 70% of this is caused by smoking.

Figure 2.20 Cancer deaths by site



Number of cancer deaths by site, for the most common site causes, by sex, England, 2023.

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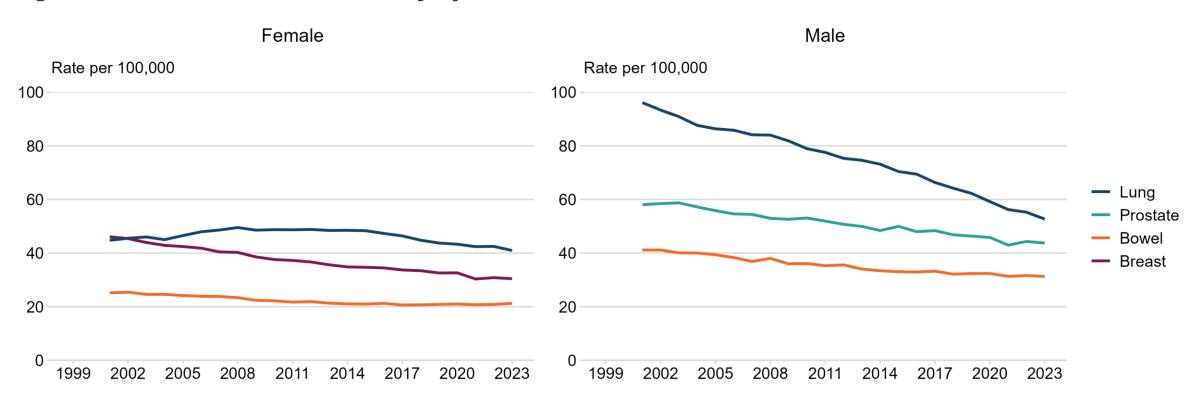
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At a population level, cancer mortality rates have improved for both females and males.

Figure 2.21 Trend in cancer mortality by site



Trend in mortality from selected cancers (directly age-standardised rates per 100,000 population), all ages, by sex, England, 2001 to 2023. Note this shows population based mortality rates.

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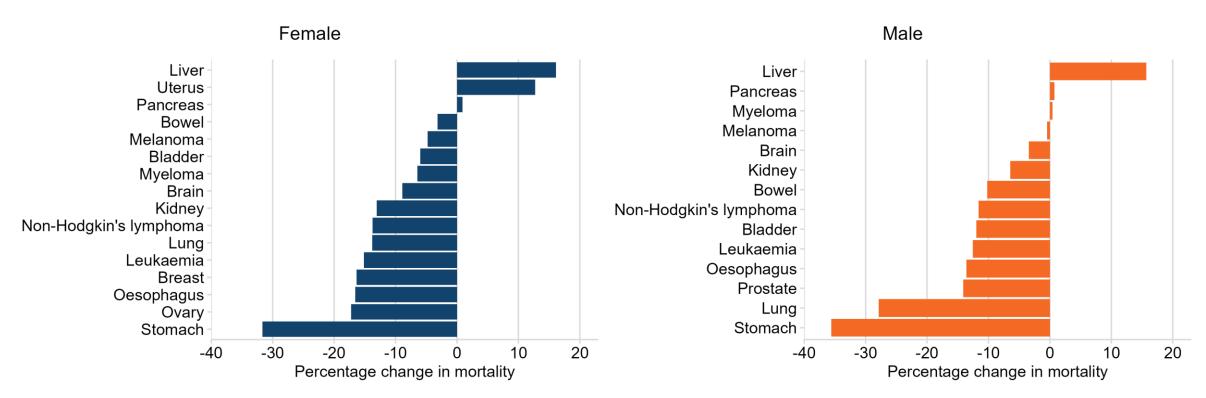
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At a population level, there has been a decrease in mortality from most major cancers in both females and males. Liver cancer and uterine cancer are exceptions.

Figure 2.22 Change in cancer mortality by site



Percentage change in directly age-standardised 3 year average mortality rates for selected cancers, England, between 2011 to 2013 and 2021 to 2023. Note this shows change in population based mortality rates.

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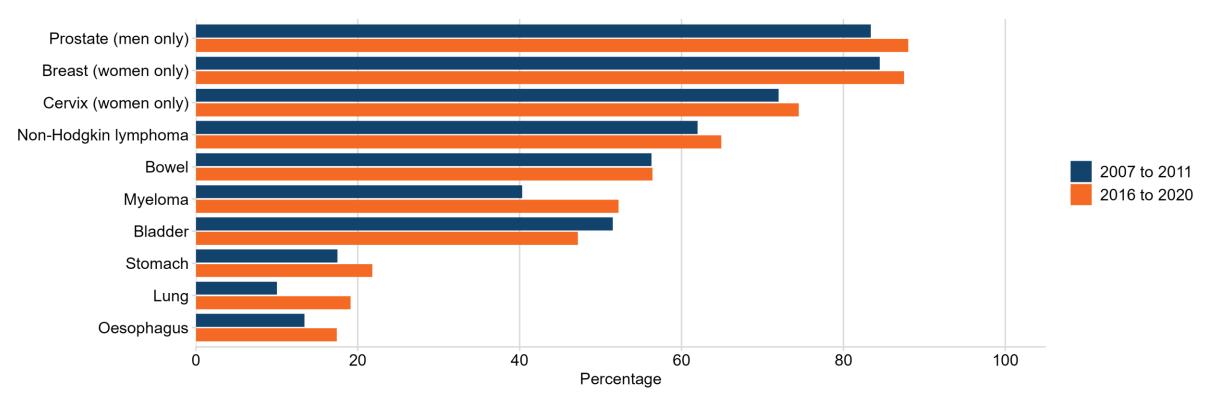
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In people diagnosed with cancer, survival has improved for many cancer types.

Figure 2.23 5 year survival by site in diagnosed cancer



Change in 5-year age-standardised net cancer survival (percentage) by site, for adults aged 15 to 99 years, England, for those first diagnosed between 2017 and followed up to 2012 compared with those first diagnosed between 2016 and 2020 and followed up to 2021. Net survival is the survival of cancer patients compared with the expected survival of the general population. Denominators are persons unless specified as men or women only.

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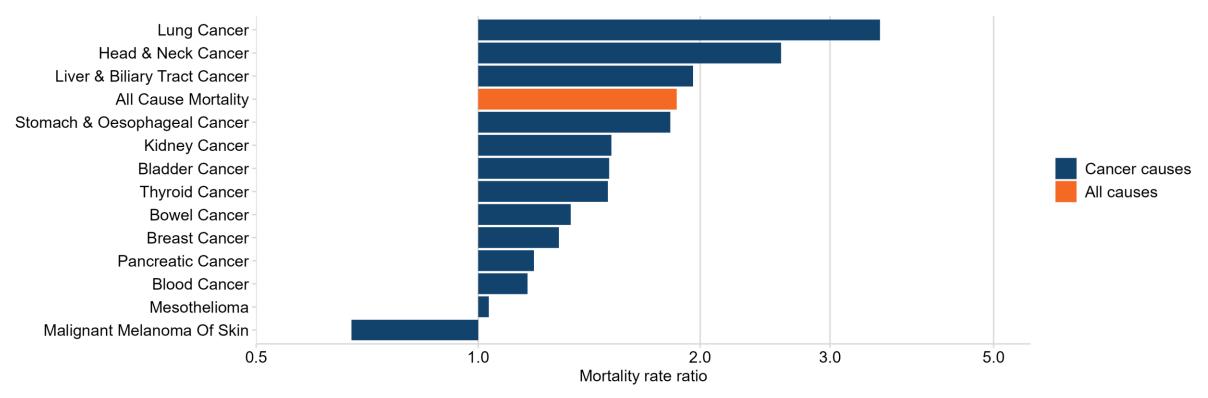
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Mortality rates were higher in the most deprived areas compared with the least deprived areas for most cancers between 2021 and 2023.

Figure 2.24 Mortality rate differences for the most and least deprived deciles - cancer



Differences in cancer mortality rates between the most and least deprived deciles (Index of Multiple Deprivation (IMD)) by health condition (based on mentions on the death certificate) among people aged 16 and over, England, March 2021 to January 2023. Differences are expressed as the ratio of the mortality rate in the most deprived decile, so a value greater than one indicates a higher mortality rate in the most deprived decile. The all cause mortality rate difference is provided for comparison and includes non-cancer causes.

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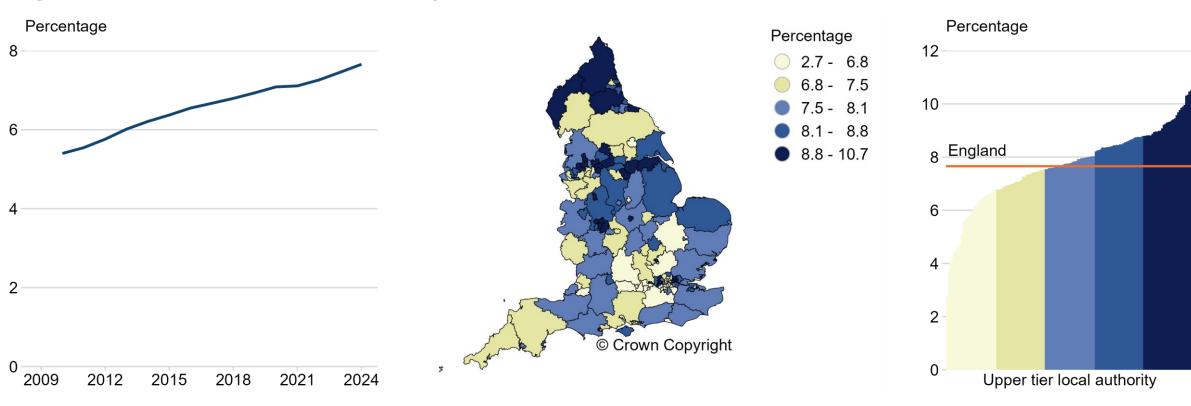
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The proportion of people with diabetes has increased as obesity has increased.

Figure 2.25 Diabetes prevalence (all types)



Prevalence of diagnosed diabetes. The percentage of people aged 17 years and over with a diagnosis of diabetes mellitus (all types including type 1, type 2, neonatal and gestational), as recorded on GP practice registers (QOF), for England, 2010 to 2024 (left) and for upper tier local authorities, 2024 (centre and right). Financial year end data (31 March in the year shown). Local authority data is based on the location of the GP practice where a person is registered.

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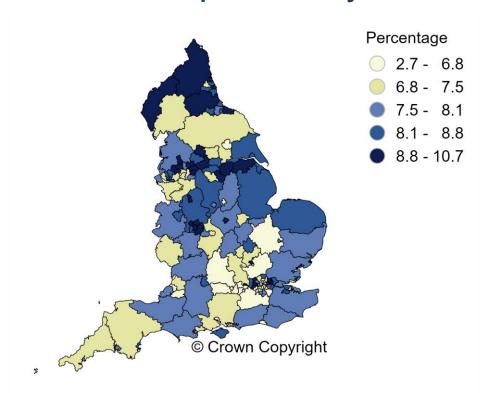
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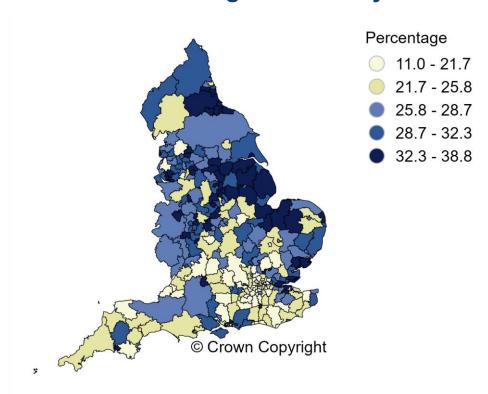
Diabetes (principally type 2) is more common in geographical areas with a greater proportion of adults living with obesity.

Figure 2.26 Diabetes prevalence by area



Prevalence of diagnosed diabetes. The percentage of people aged 17 years and over with a diagnosis of diabetes mellitus (all types including type 1, type 2, neonatal and gestational), as recorded on GP practice registers (QOF), for upper tier local authorities, 2024. See references for further notes.

Figure 2.27 Adults living with obesity



Prevalence of adults aged 18 or over living with obesity (body mass index (BMI) greater than 30 kilograms per metre squared) by lower tier local authories in England, Active Lives Survey year 2023 to 2024. See references for further notes.

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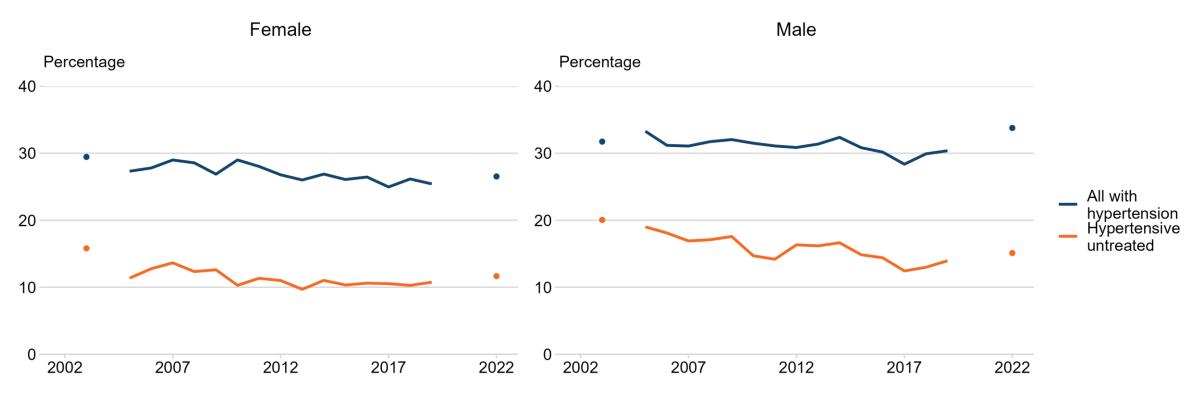
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Hypertension prevalence (untreated and treated) was higher in 2022 than 2019. It remains higher in males than females.

Figure 2.28 Prevalence of hypertension



Prevalence of total and untreated hypertension, in adults aged 16 years and over, England, Health Survey for England years 2003 to 2022. Hypertension is defined as systolic blood pressure of 140mmHg or higher or diastolic blood pressure of 90mmHg or higher or taking medication to reduce blood pressure. Those with hypertension who are not taking medication to reduce blood pressure are defined as untreated. In 2022, the number of participants receiving a blood pressure check was lower than previous surveys, leading to greater uncertainty in this estimate. See references for further notes.

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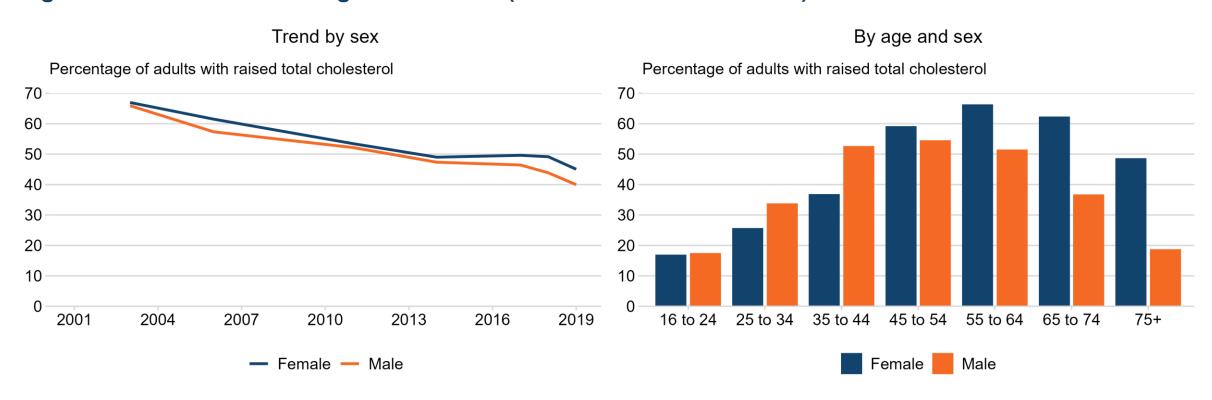


In 2019, females had higher raised cholesterol prevalence than males from 45 to 54 years onwards. This may reflect inequalities in diagnosis or treatment.

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Figure 2.29 Prevalence of high cholesterol (with or without treatment)



Prevalence of raised total cholesterol (greater than or equal to 5mmol/L) in adults aged 16 and over by sex, England, for Health Survey for England survey years 2003 to 2019 (left) and by age for Health Survey for England survey year 2019 (right). Includes participants taking lipid lowering medication. The survey was not completed in 2020 and survey results from 2021 and 2022 are excluded due to small sample sizes.

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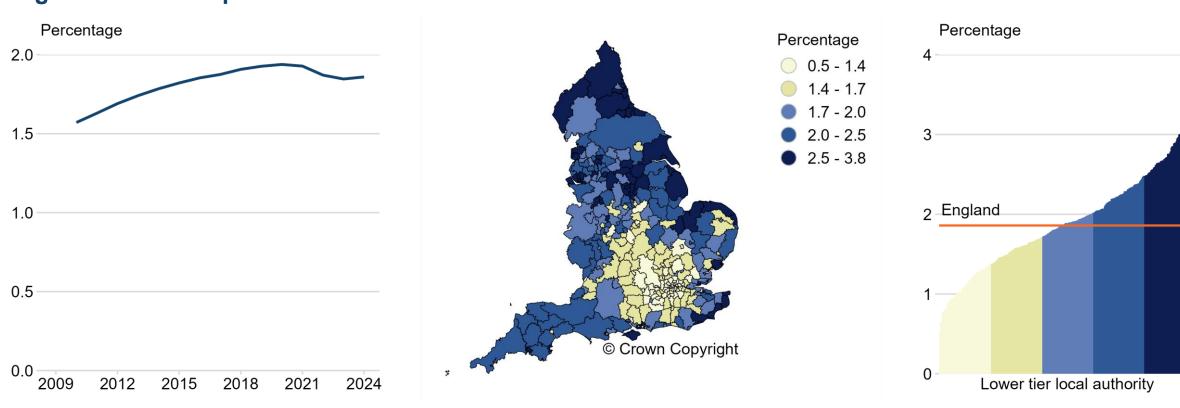


COPD prevalence remains higher in areas with older and more deprived populations, reflecting historical smoking trends, occupational risks and air pollution.

Figure 2.30 COPD prevalence

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population change



Prevalence of diagnosed chronic obstructive pulmonary disease (COPD). The percentage of people of all ages with a diagnosis of COPD, as recorded on GP practice registers (QOF), for England, 2010 to 2024 (left) and for lower tier local authorities, 2024 (centre and right). Financial year end data (31 March in the year shown). Local authority data is based on the location of the GP practice where a person is registered.

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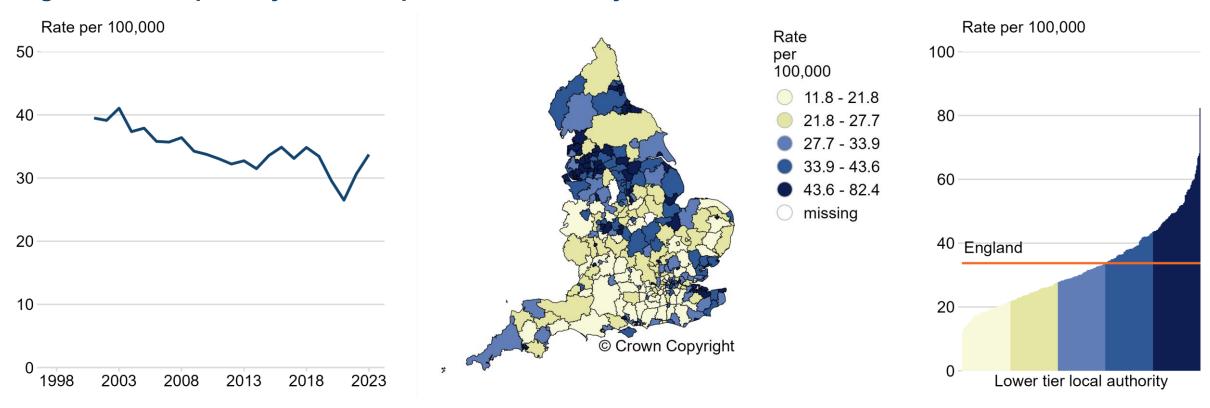
Screening and vaccination

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Premature mortality from respiratory disease is concentrated in areas of deprivation.

Figure 2.31 Respiratory disease - premature mortality



Under 75 mortality rate from respiratory disease. Directly age-standardised rate per 100,000 population, for England 2001 to 2023 (left) and for lower tier local authorities in 2023 (centre and right).

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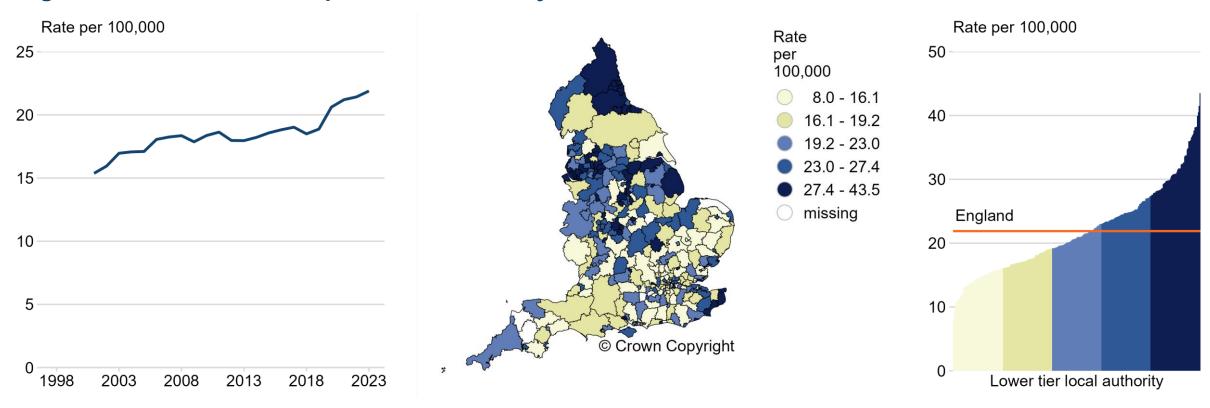
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Premature mortality from liver disease has steadily risen, reflecting trends in alcohol consumption and obesity.

Figure 2.32 Liver disease - premature mortality



Under 75 mortality rate from liver disease. Directly age-standardised rate per 100,000 population, for England 2001 to 2023 (left) and for lower tier local authorities in 2023 (centre and right).

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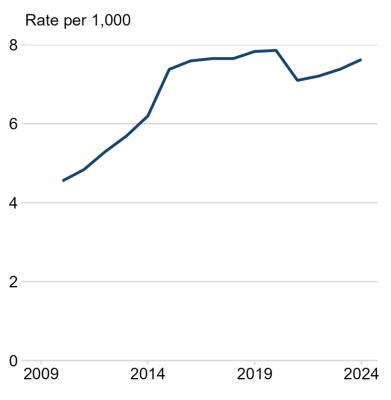
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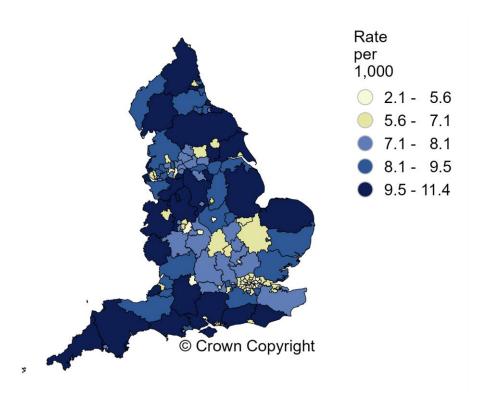
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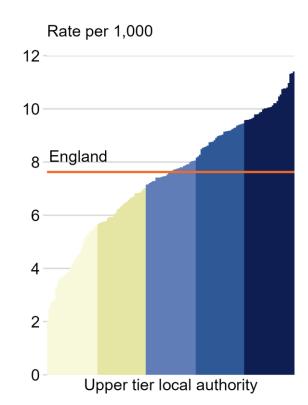


Dementia has become more prevalent over time, reflecting the ageing population.

Figure 2.33 Dementia prevalence







Prevalence of diagnosed dementia. The proportion of people of all ages with a diagnosis of dementia (rate per 1,000 as recorded on GP practice registers (QOF)), for England, 2010 to 2024 (left) and for upper tier local authorities in 2024 (centre and right). Financial year end data (31 March in the year shown). Local authority data is based on the location of the GP practice where a person is registered.

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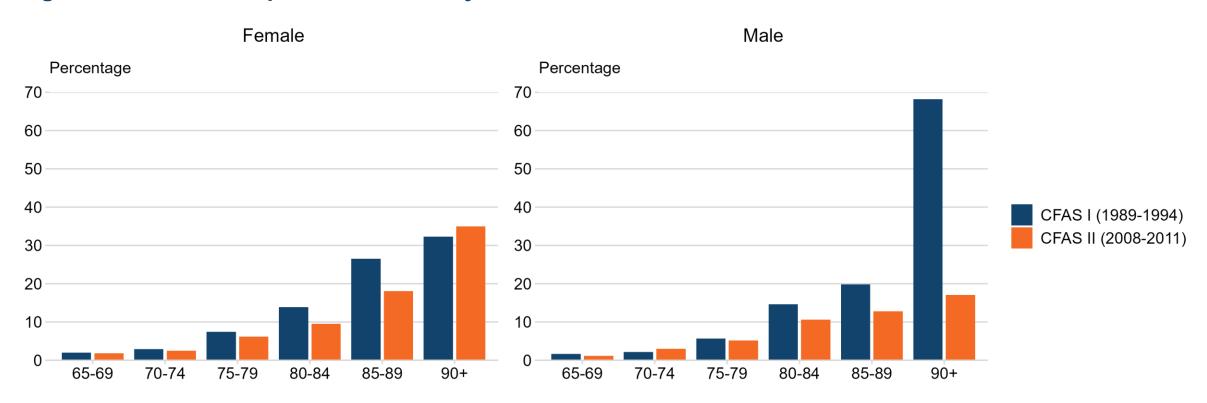
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Within age groups, dementia prevalence was probably lower in 2008 to 2011 than 1989 to 1994. Increases in overall dementia prevalence may be due to an increase in older adults.

Figure 2.34 Dementia prevalence - study



Estimated prevalence of dementia from a study in England. Cognitive Function and Ageing Study I (CFAS I) was conducted between 1989 and 1994 in 3 areas of England (Cambridgeshire, Newcastle, Nottingham). CFAS II was conducted between 2008 and 2011 in the same areas, using similar diagnostic methods. CFAS I age and sex specific estimates of prevalence were standardised to the 2011 population for comparison to CFAS II in this study.

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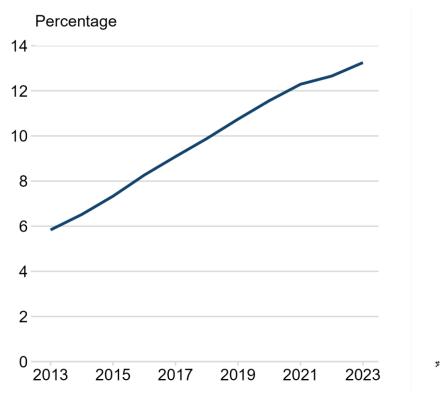
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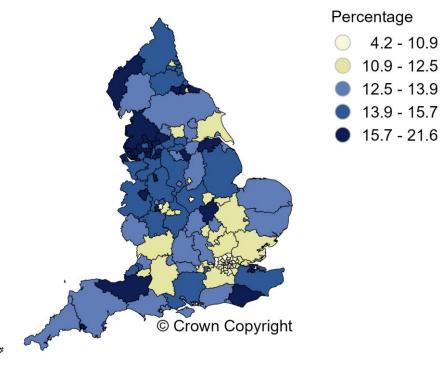
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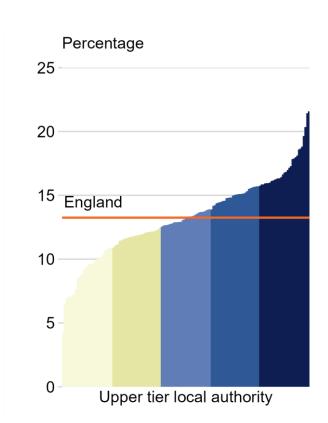


The proportion of people with a diagnosis of depression has increased.

Figure 2.35 Depression prevalence







Prevalence of diagnosed depression. The percentage of people aged 18 and over with a diagnosis of depression, as recorded on GP practice registers (QOF) for England, 2013 to 2023 (left) and for upper tier local authorities in 2023 (centre and right). Financial year end data (31 March in the year shown). Local authority data is based on the location of the GP practice where a person is registered.

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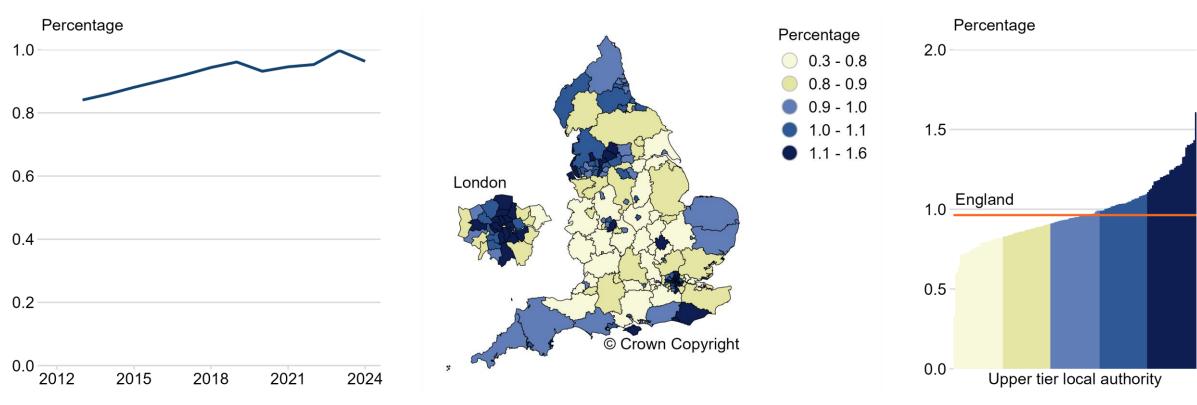
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There is wide geographical variation in the prevalence of diagnosed severe mental illness.

Figure 2.36 Prevalence of severe mental illness



Prevalence of diagnosed severe mental illness: The percentage of people of all ages with a diagnosis of schizophrenia, bipolar affective disorder or other psychosis, as recorded on GP practice registers (QOF) for England, 2013 to 2024 (left) and for upper tier local authorities in 2024 (centre and right). Financial year end data (31 March in the year shown). Local authority data is based on the location of the GP practice where a person is registered.

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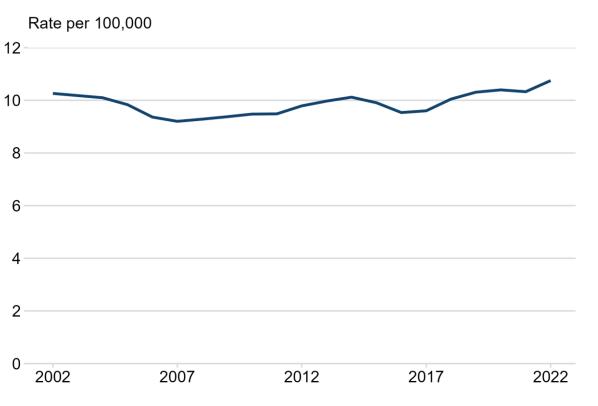
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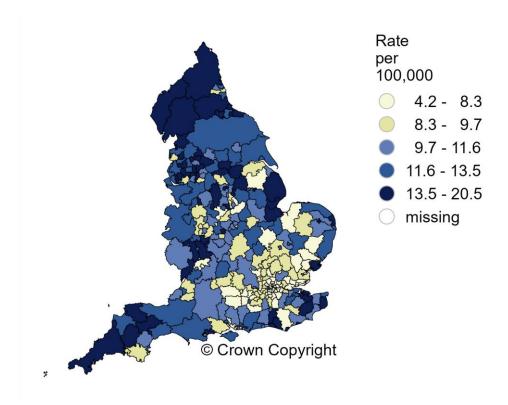
References



Suicide rates in England have remained broadly stable over the last 2 decades.

Figure 2.37 Suicide rate





Mortality from suicide and injury of undetermined intent (directly age-standardised rates per 100,000 population), for England between 2001 to 2003 and 2021 to 2023 (years indicate the mid-point in the 3-year range) (left), and by lower tier local authority in England for 2021 to 2023 (right). This data is based on the year deaths were registered in. Suicides are only registered following a coroner's inquest, and the pandemic affected the function of coroners' courts, leading to longer delays in death registration.

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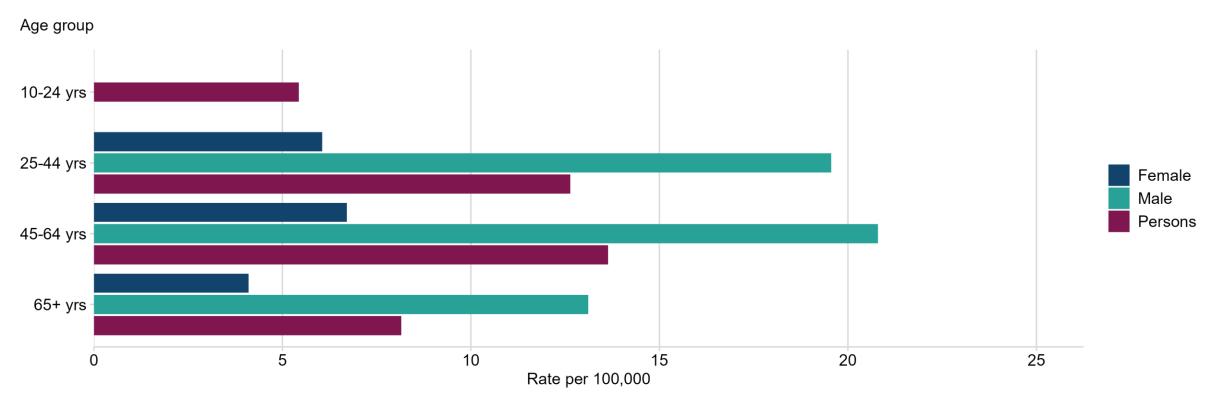


In 2019 to 2023 the suicide rate was highest in males aged 25 to 64 years.

Figure 2.38 Suicide rate by age and sex

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Mortality from suicide and injury of undetermined intent (directly age-standardised rates per 100,000 population) by age group and sex, England, 2019 to 2023. This data is based on the year deaths were registered in. Suicides are only registered following a coroner's inquest, and the pandemic affected the function of coroners' courts, leading to longer delays in death registration.

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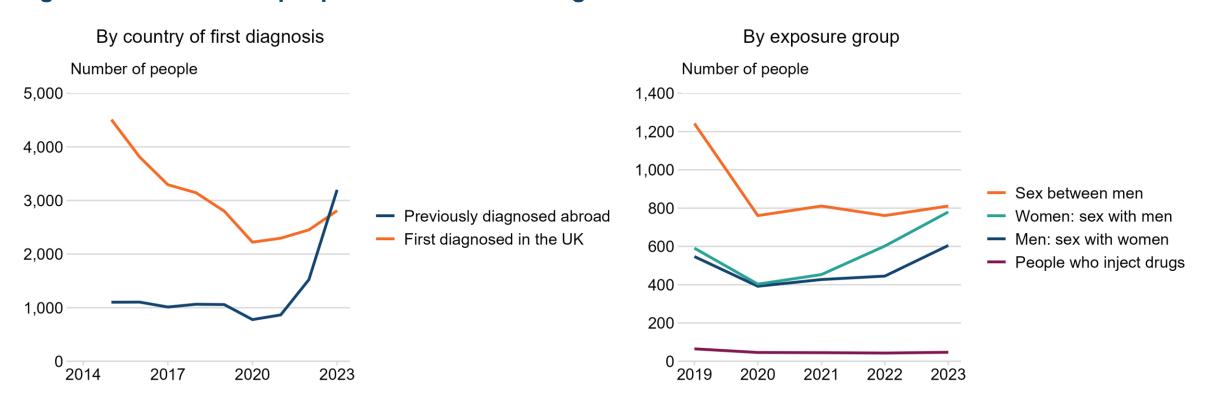
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Since 2020, the number of people with a new diagnosis of HIV has increased in women who have sex with men and in men who have sex with women.

Figure 2.39 Number of people with a new HIV diagnosis



Number of people with a new HIV diagnosis, England, by location of first diagnosis, 2015 to 2023 (left) and for those first diagnosed in England by exposure group, 2019 to 2023 (right).

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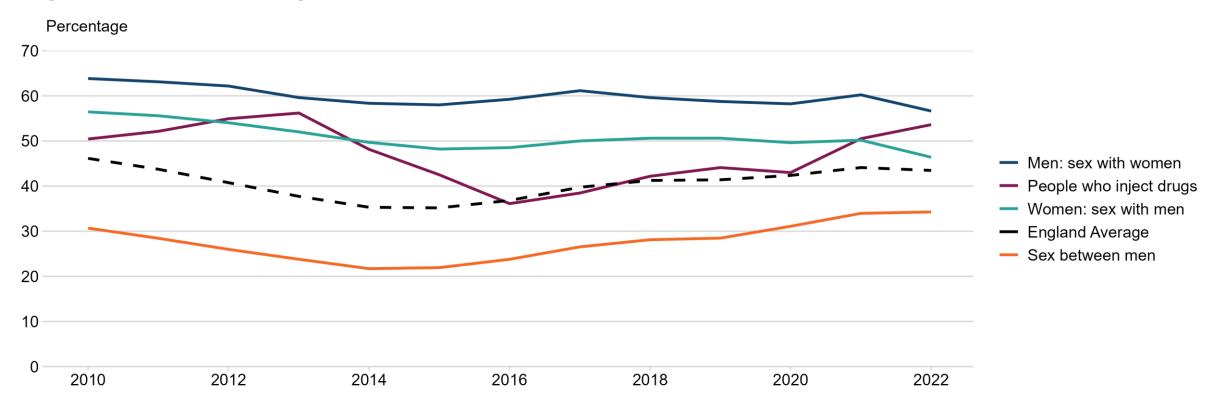
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The proportion of late HIV diagnoses has increased since 2014, with trends varying by exposure type.

Figure 2.40 Late HIV diagnoses



Percentage of adults (aged 15 years and above) with a CD4 cell count less than 350 within 91 days of a HIV diagnosis, excluding those with evidence of recent seroconversion, by exposure group, England, between 2009 to 2011 and 2021 to 2023. Years indicate the mid-point in a 3-year range.

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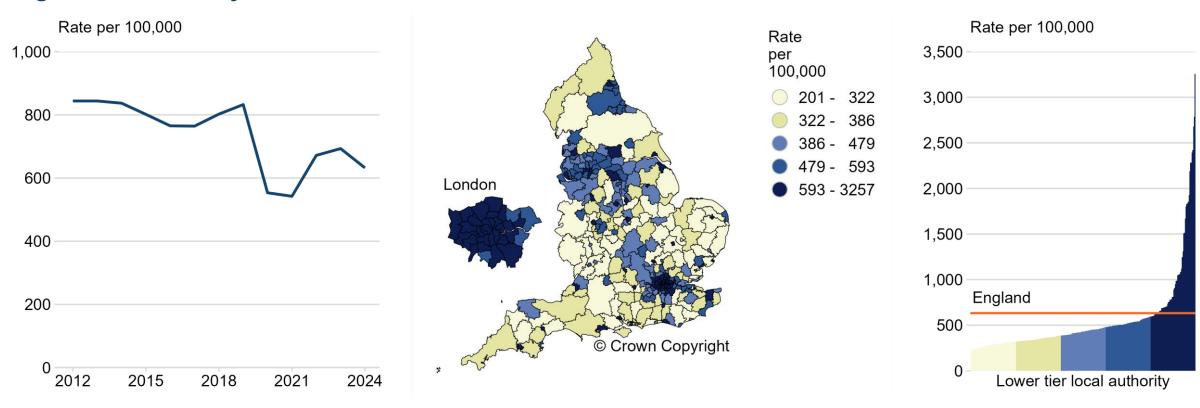
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Sexually transmitted infection rates are highest in cities.

Figure 2.41 Sexually transmitted infections



Sexually transmitted disease diagnoses (crude rate per 100,000 population) in people accessing sexual health services for England, 2012 to 2024 (left), and for lower tier local authorities, 2024 (centre and right). See references for the full list of diseases included in this sexually transmitted infection (STI) definition.

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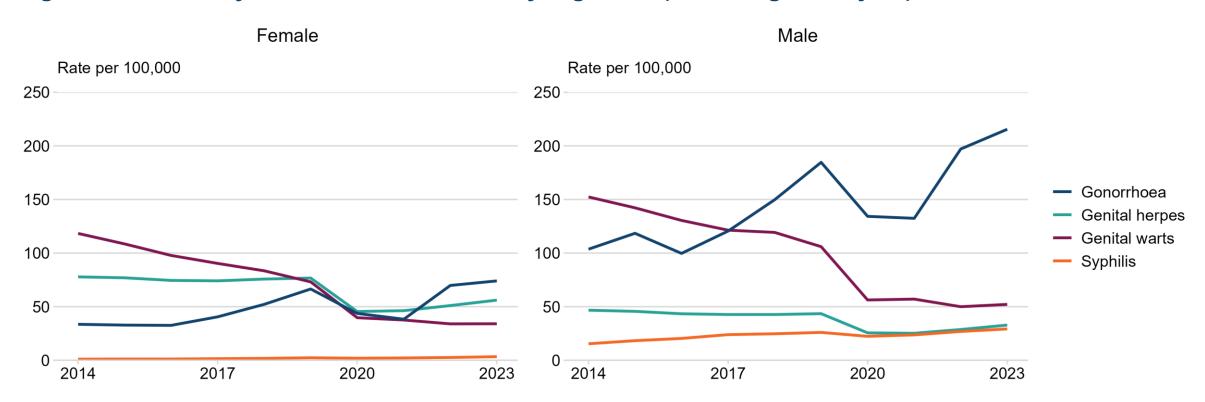
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Gonorrhoea, genital warts and syphilis diagnosis rates were higher for males than females over the last decade, with gonorrhoea on a particularly upward trend for both sexes.

Figure 2.42 Sexually transmitted infections by organism (excluding chlamydia)



Sexually transmitted disease diagnoses (crude rate per 100,000 population) in people accessing sexual health services by sex and organism, England, 2014 to 2023. Chlamydia diagnoses are reported separately.

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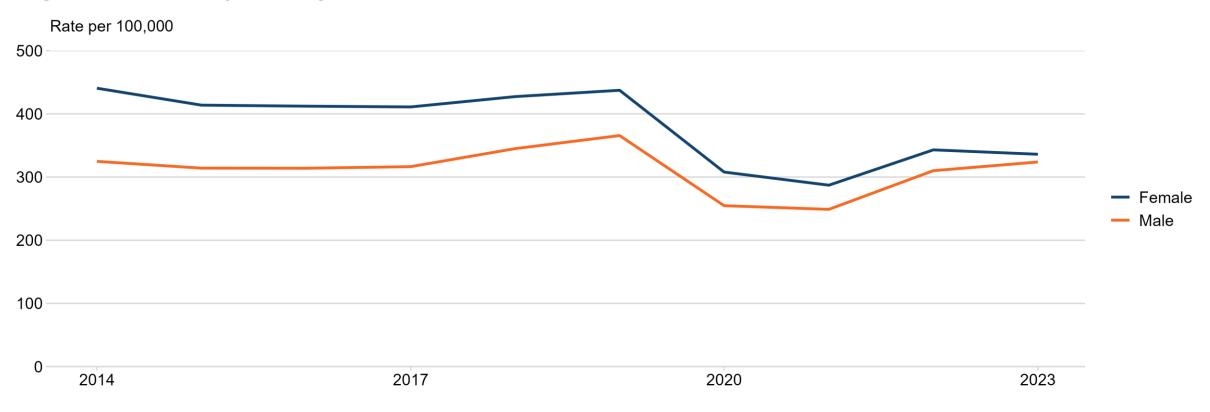


Chlamydia remains the most common sexually transmitted infection.

Figure 2.43 Chlamydia diagnoses

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Chlamydia diagnoses (crude rate per 100,000 population) in people accessing sexual health services by sex, England, 2014 to 2023.

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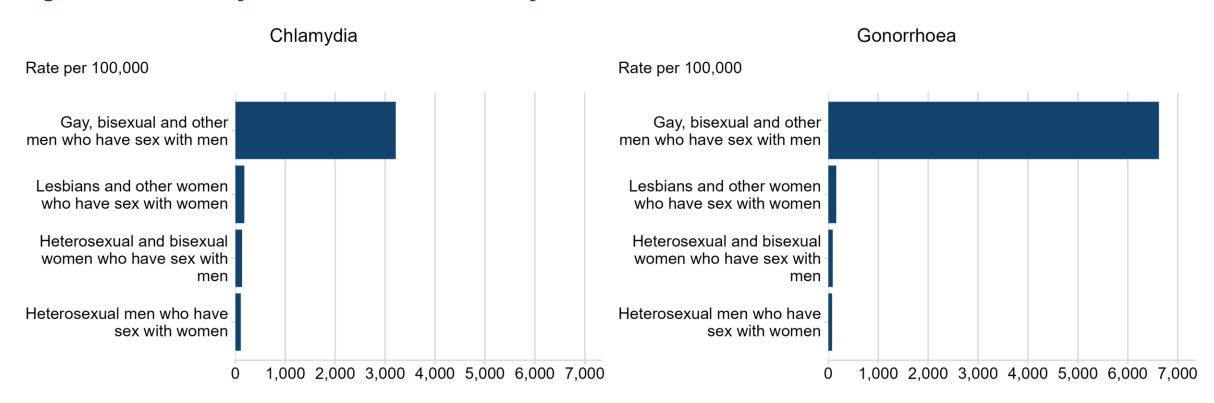
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In 2023, chlamydia and gonorrhoea diagnosis rates differed by sexual orientation which should be accounted for in prevention and treatment.

Figure 2.44 Sexually transmitted infections by sexual orientation



Sexually transmitted disease diagnoses (chlamydia and gonorrhoea, crude rates per 100,000 population) in people accessing sexual health services by sexual orientation, England, 2023.



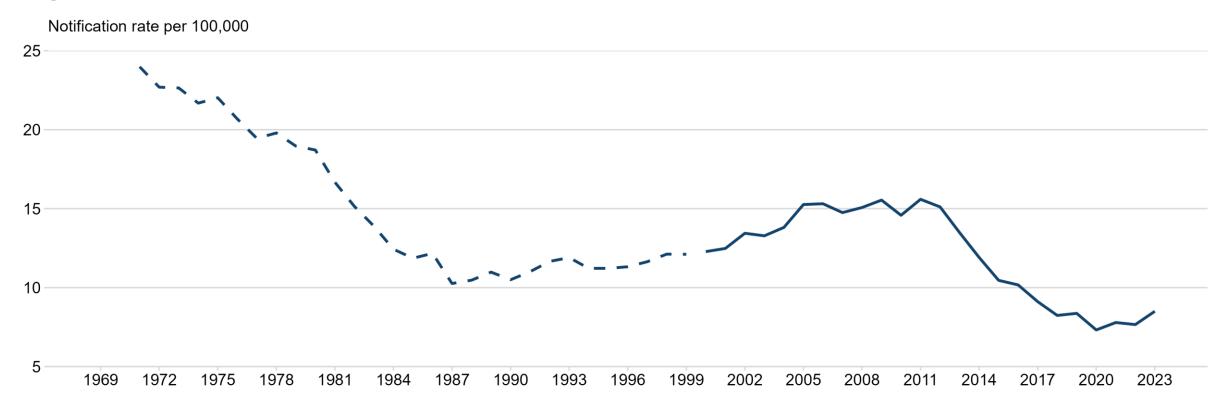
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In recent years, the significant reduction in rates of tuberculosis has slowed and may have reversed.

Figure 2.45 Tuberculosis notifications

Life expectancy and

population change



Rate of tuberculosis (TB) notifications per 100,000 population, England, 1971 to 2023. Dashed line represents the period before enhanced surveillance was introduced in 2000.

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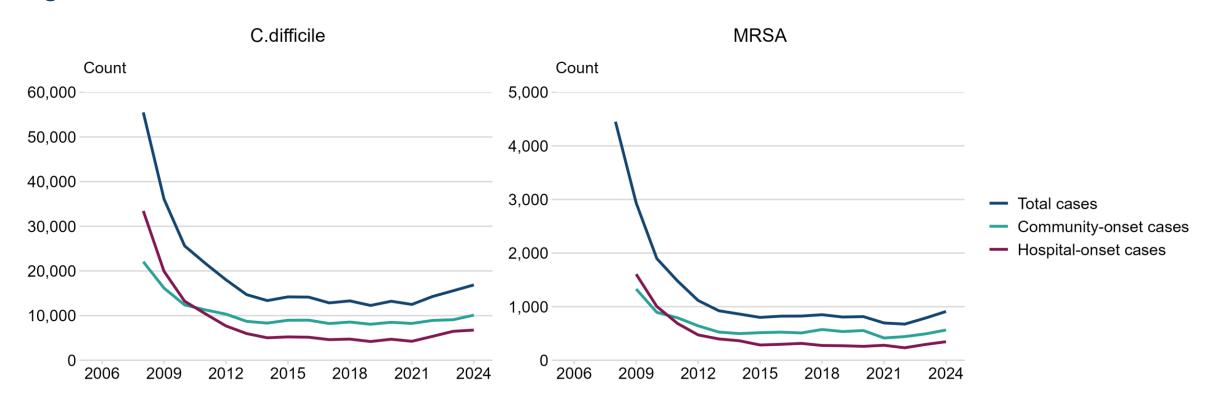
Screening and vaccination

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Improvements in C. difficile and MRSA infections were impressive but have stalled. There have been recent increases in both hospital and community settings.

Figure 2.46 Healthcare-associated infections



Annual counts of Clostridioides difficile (C. difficile) and methicillin-resistant Staphylococcus aureus (MRSA) infection, England, between 2007 to 2008 and 2023 to 2024. Financial year data ending in the year shown.

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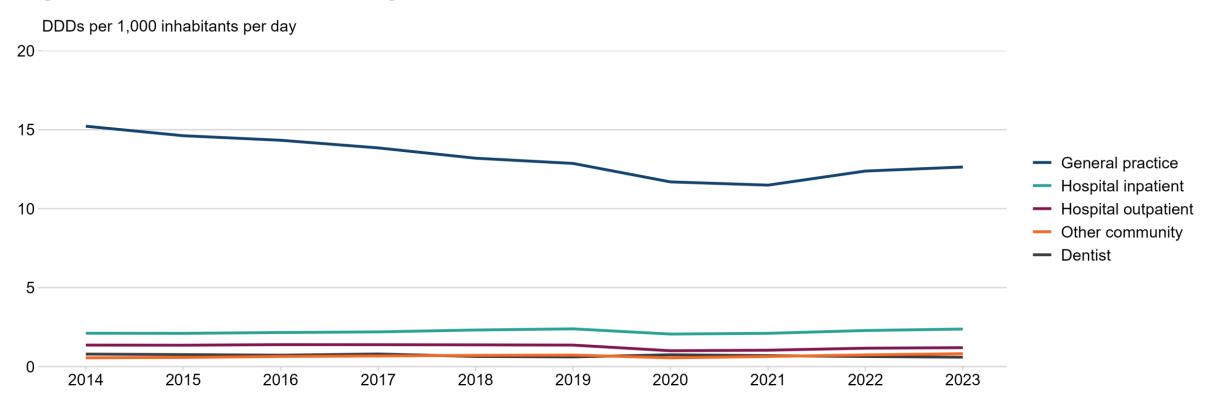


Reductions in the rate of people taking antibiotics prescribed in primary care have levelled off in recent years. This may reflect practice changes during the COVID-19 pandemic.

Figure 2.47 Antibiotic prescribing

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Total antibiotic consumption by prescriber setting, expressed as defined daily doses (DDDs) per 1,000 inhabitants per day, England, between 2014 to 2015 and 2023 to 2024. Financial year data ending in the year shown.

Health trends and

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Life expectancy and population change

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Maternal and child health

Risk factors and wider determinants

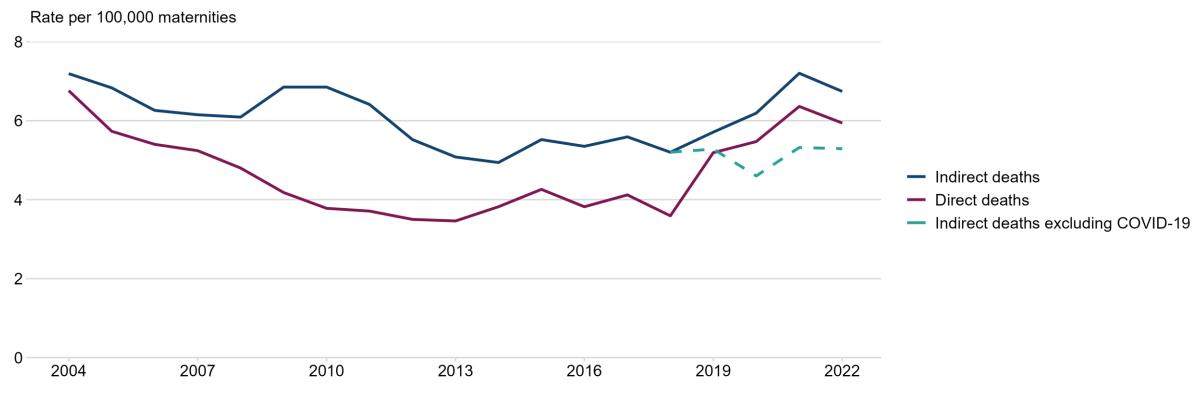
Screening and vaccination

References



Maternal mortality has increased in the last decade, with COVID-19 accounting for the recent rise in indirect deaths but not direct deaths.

Figure 3.1 Trend in maternal mortality



Direct and indirect maternal mortality rates per 100,000 maternities, United Kingdom, between 2003 to 2005 and 2021 to 2023. Years indicate the mid-point in a 3 year range. Direct maternal deaths are those resulting from obstetric complications of the pregnant state (pregnancy, labour and puerperium), and from interventions, omissions, incorrect treatment, or from a chain of events resulting from any of these. Indirect maternal deaths are those resulting from previous existing disease or disease that developed during pregnancy and not due to direct obstetric causes but were aggravated by the physiological effects of pregnancy.

Maternal and child health

Risk factors and wider determinants

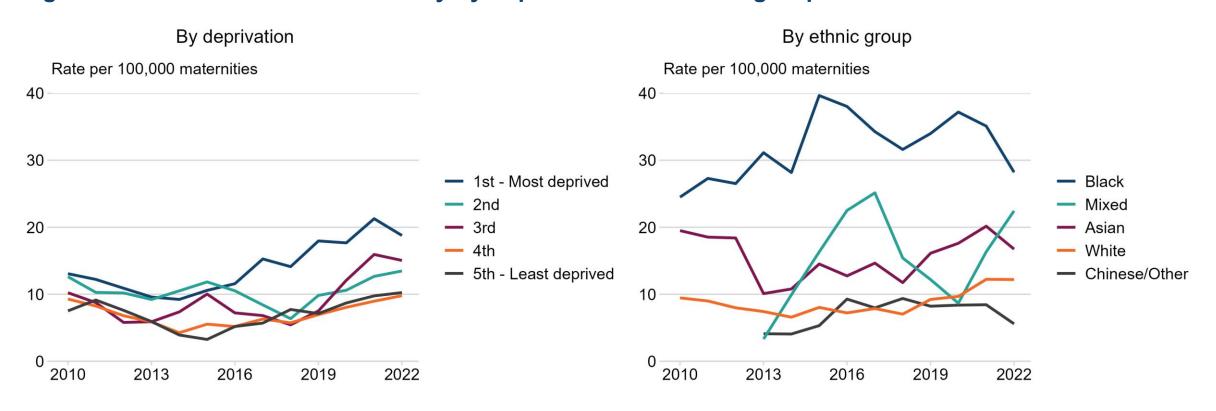
Screening and vaccination

References



Maternal mortality rates are highest in Black women and women living in the most deprived areas.

Figure 3.2 Trend in maternal mortality by deprivation and ethnic group



Total (direct and indirect) maternal mortality rates per 100,000 maternities by Index of Multiple Deprivation (IMD) quintile (left) and by ethnic group (right), England, between 2009 to 2011 and 2021 to 2023. Years indicate the mid-point in a 3 year range.

Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

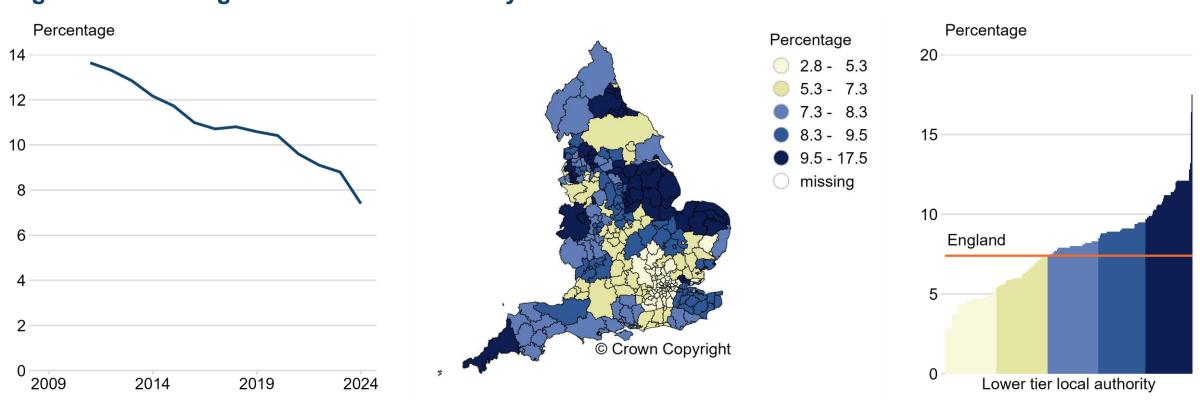
Screening and vaccination

References



Maternal smoking has nearly halved since 2010 but, in 2023 to 2024, more than 1 in 14 women smoked at the time of delivery and many areas had even higher prevalence.

Figure 3.3 Smoking status at time of delivery



Smoking status at time of delivery. Mothers known to be smokers at the time of delivery as a percentage of all maternities with a known smoking status, England, between 2010 to 2011 and 2023 to 2024 (left) and for lower tier local authorities, 2023 to 2024 (centre and right). Financial year data ending in the year shown.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

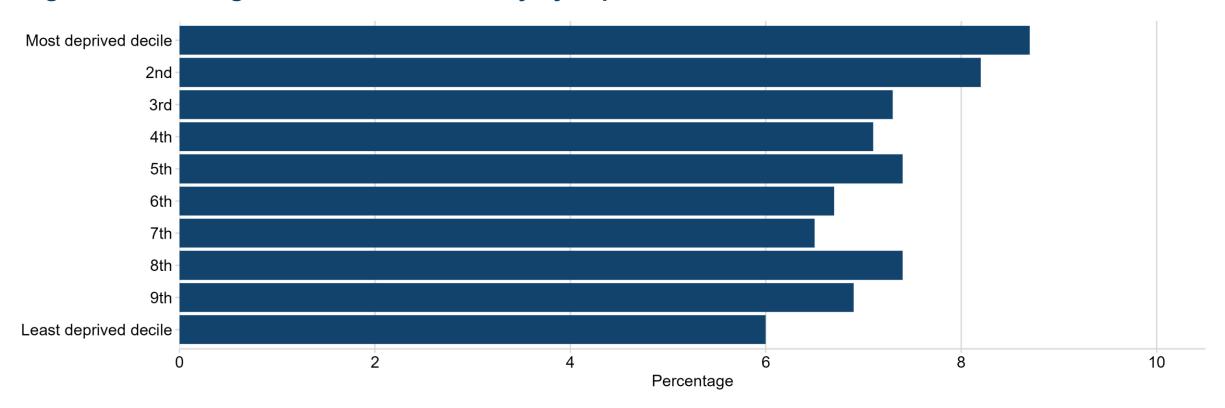
Screening and vaccination

References



In 2023 to 2024, a higher percentage of women living in the most deprived areas smoked at the time of delivery compared with those living in the least deprived areas.

Figure 3.4 Smoking status at time of delivery by deprivation



Smoking status at time of delivery for lower tier local authority based Index of Multiple Deprivation (IMD) deciles. Mothers known to be smokers at the time of delivery as a percentage of all maternities with a known smoking status, England, financial year 2023 to 2024.

Maternal and child health

Risk factors and wider determinants

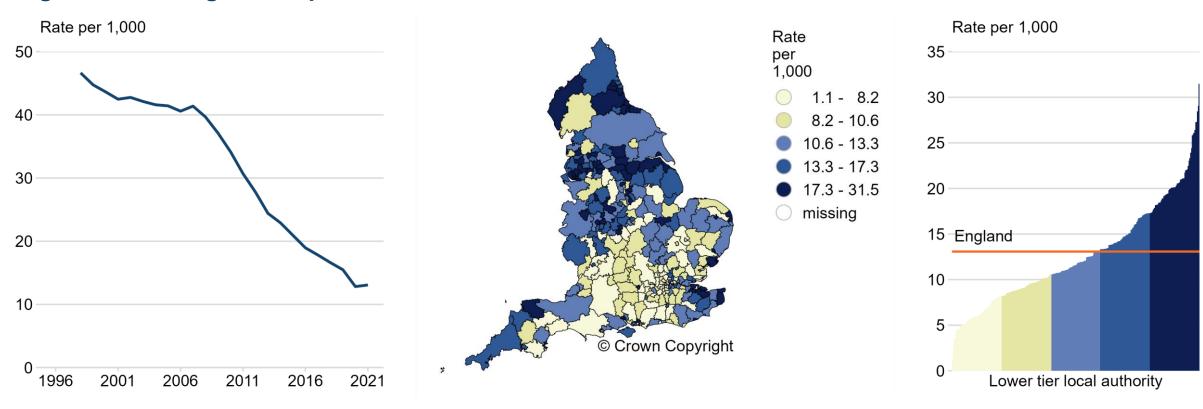
Screening and vaccination

References



Teenage conception rates have fallen since the late nineties. There was a small increase in 2021.

Figure 3.5 Teenage conception



Conceptions in women aged under 18. Crude rate per 1,000 women aged 15 to 17 years, England, 1998 to 2021 (left) and for lower tier local authorities, 2021 (centre and right).

Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

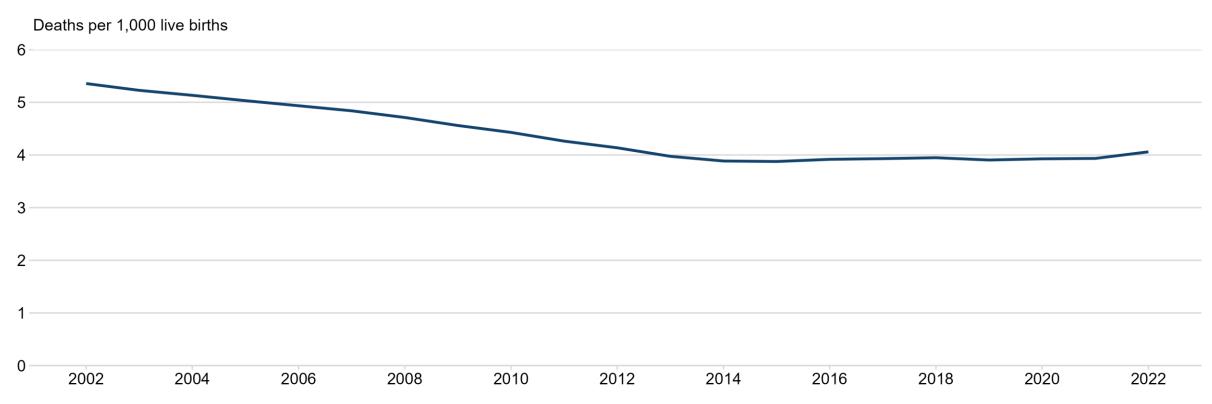
Screening and vaccination

References



Improvements in infant mortality have stalled.

Figure 3.6 Infant mortality



Infant deaths under one year of age (crude rate per 1,000 live births), England, between 2001 to 2003 and 2021 to 2023. Years indicate the mid-point in a 3-year range.

Maternal and child

health

References



Improvements in infant mortality have stalled in recent years, consistent with some other comparable countries.

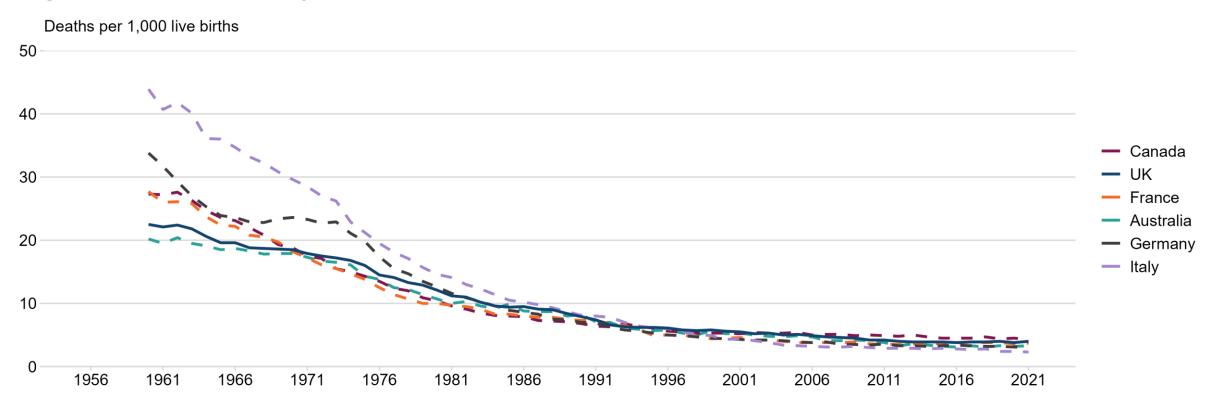
Figure 3.7 Infant mortality - international comparison - 1960 to 2021

Mortality and

morbidity

Life expectancy and

population change



Infant deaths under one year of age (crude rate per 1,000 live births), UK and selected countries, 1960 to 2021. No minimum threshold of gestation period or birthweight is applied.

Maternal and child health

Risk factors and wider determinants

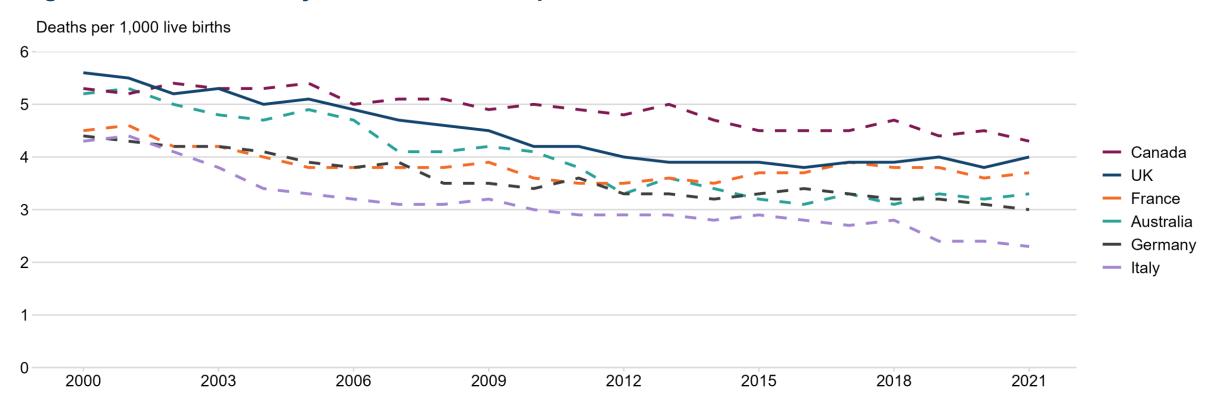
Screening and vaccination

References



Over the last 2 decades, the UK has had a higher infant mortality rate than some other high-income countries.

Figure 3.8 Infant mortality - international comparison - 2000 to 2021



Infant deaths under one year of age (crude rate per 1,000 live births), UK and selected countries, 2000 to 2021. No minimum threshold of gestation period or birthweight is applied.

and V Maternal and child health

Risk factors and wider determinants

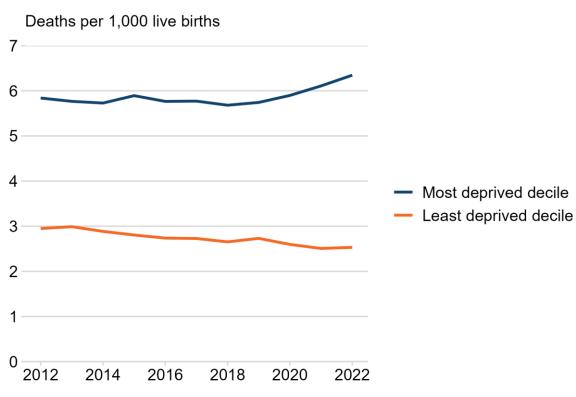
Screening and vaccination

References



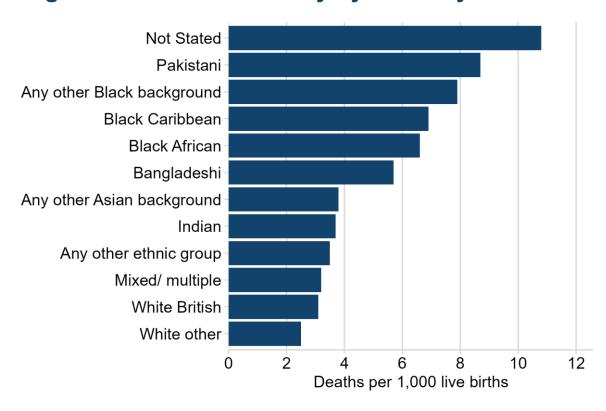
The gap in infant mortality between the most and least deprived areas of the country has widened since 2018 to 2020.

Figure 3.9 Infant mortality by deprivation



Infant deaths under one year of age (crude rate per 1,000 live births) for lower super output area based Index of Multiple Deprivation (IMD) deciles (most deprived and least deprived), England, between 2011 to 2013 and 2021 to 2023. Years indicate the midpoint in a 3-year range.

Figure 3.10 Infant mortality by ethnicity



Infant deaths under one year of age (crude rate per 1,000 live births) by ethnic group, England, 2022.

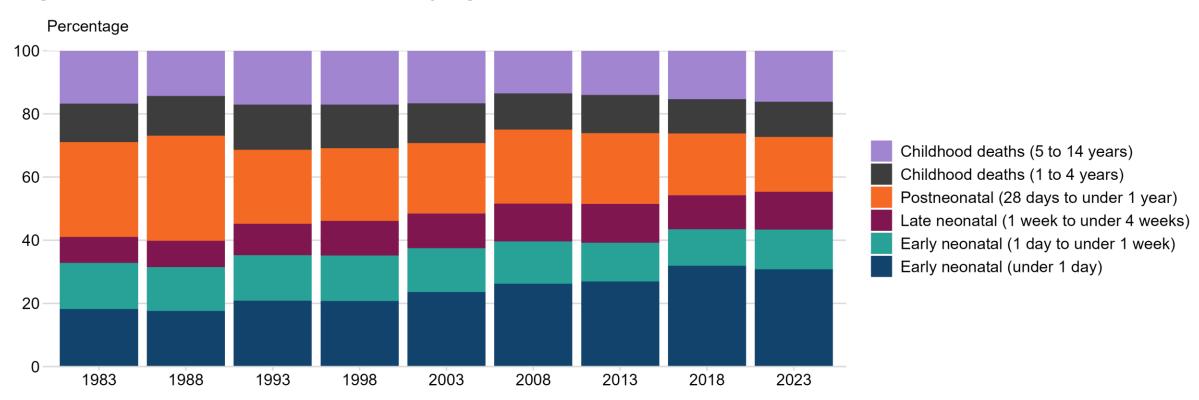


Infant mortality (deaths up to one year of age) contributes the majority of deaths in children.

Figure 3.11 Infant and child deaths by age

Life expectancy and

population change



Percentage of total deaths by age group for children aged 0 to 14 years, England and Wales, 1983 to 2023. Infants are those under one year of age and infant deaths are shown separately for those aged under 1 day, 1 day to under 1 week, 1 week to under 4 weeks and 28 days to under 1 year. Children are those aged 1 to 14 years and child deaths are shown for those aged 1 to 4 and those aged 5 to 14.

Life expectancy and population change Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

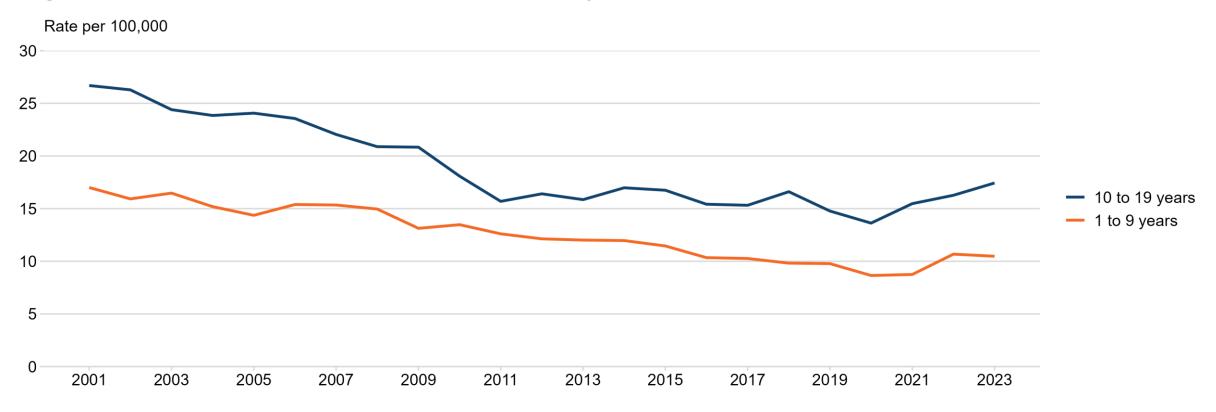
Screening and vaccination

References



Adolescent mortality rates increased between 2020 and 2023, following a stall in improvement during the previous decade.

Figure 3.12 Trend in child and adolescent mortality



Child mortality rate (1-9 years) and adolescent mortality rate (10-19 years) per 100,000 population, England, 2001 to 2023.

Life expectancy and population change Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

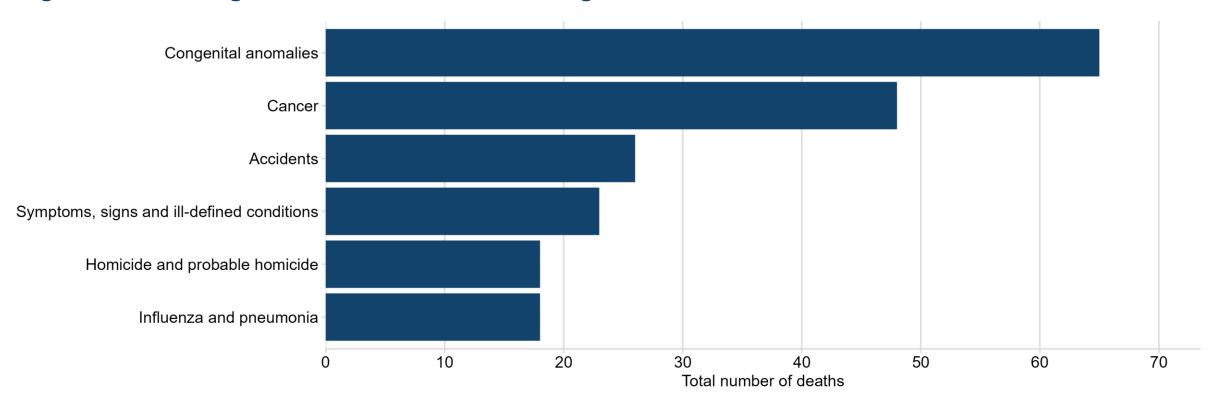
Screening and vaccination

References



Total number of deaths in children aged 1 to 4 is low. In 2023, congenital anomalies were the leading causes of death for children in this age group.

Figure 3.13 Leading causes of death in children aged 1 to 4



Total number of deaths in children aged 1 to 4 years, for the 6 leading causes, England, 2023.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

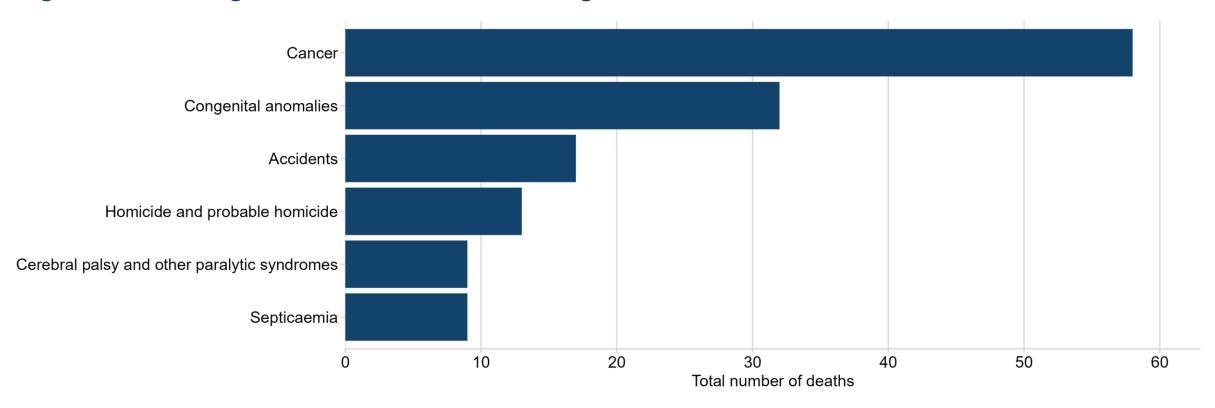
Screening and vaccination

References



In 2023, cancer was the leading cause of death for children aged 5 to 9 years.

Figure 3.14 Leading causes of death in children aged 5 to 9



Total number of deaths in children aged 5 to 9 years, for the 6 leading causes, England, 2023.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

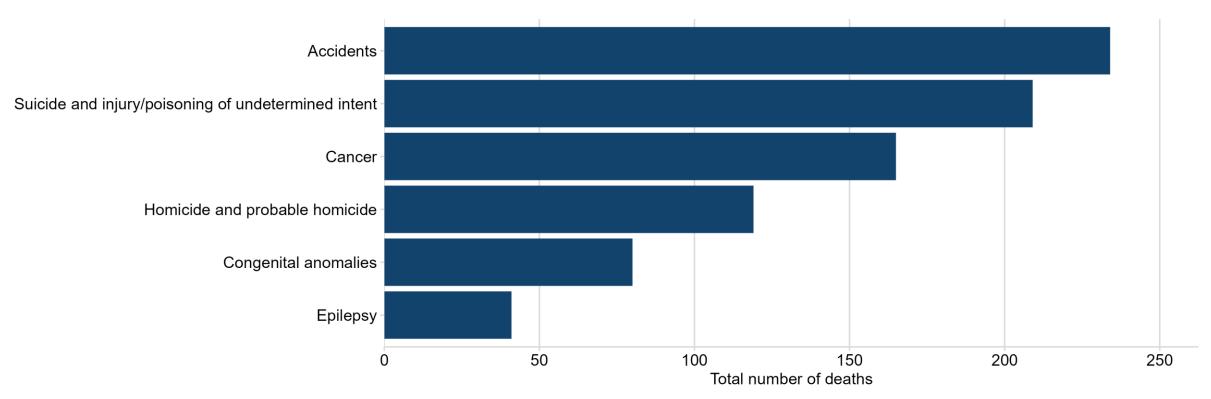
Screening and vaccination

References



In 2023, accidents were the leading cause of death for children and young people aged 10 to 19 years.

Figure 3.15 Leading causes of death in children and young people aged 10 to 19



Total number of deaths in children and young people aged 10 to 19 years, for the 6 leading causes, England, 2023.

Maternal and child health

Risk factors and wider determinants

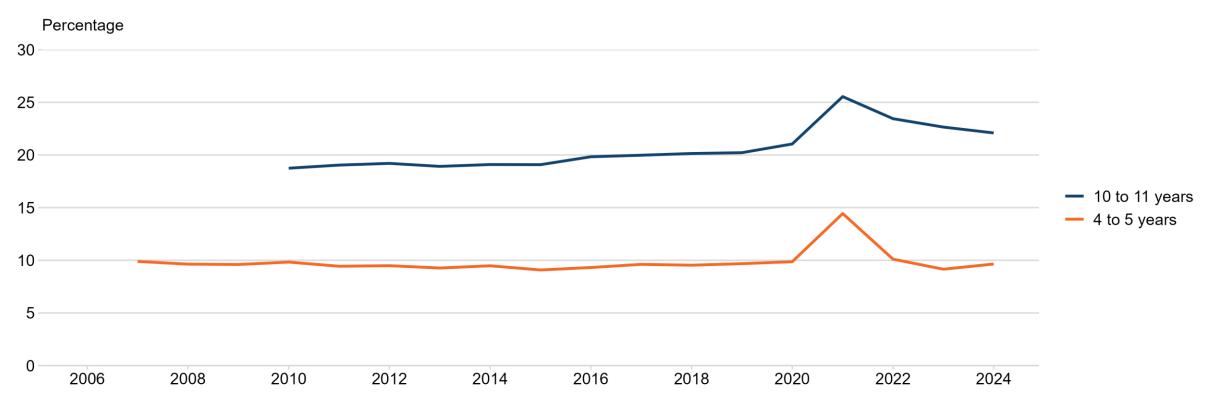
Screening and vaccination

References



Nearly 1 in 10 reception aged children were living with obesity in 2023 to 2024. This proportion was more than twice as high among those in Year 6.

Figure 3.16 Trend in children living with obesity



Trend in the percentage of children aged 4 to 5 (Reception year) and aged 10 to 11 (Year 6) living with obesity or severe obesity, England, between 2006 to 2007 and 2023 to 2024. National Child Measurement Programme (NCMP) data for academic years ending in the year shown. Trend for children aged 10 to 11 (Year 6) between 2006 to 2007 and 2008 to 2009 is not shown as low participation levels led to underestimation of obesity prevalence.

Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

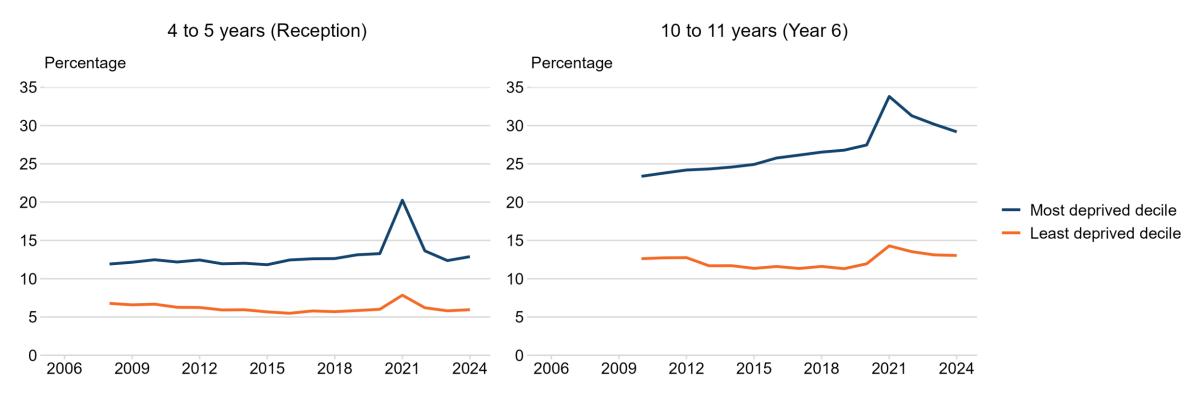
Screening and vaccination

References



The proportion of children living with obesity is greater in the most deprived compared with least deprived areas. This difference increases from reception age to Year 6.

Figure 3.17 Trend in children living with obesity by deprivation



Trend in the percentage of children aged 4 to 5 (Reception year) and aged 10 to 11 (Year 6) living with obesity or severe obesity by Index of Multiple Deprivation (IMD) deciles of lower super output areas (most deprived and least deprived), England, between 2007 to 2008 and 2023 to 2024. National Child Measurement Programme (NCMP) data for academic years ending in the year shown. Trend for children aged 10 to 11 (Year 6) in 2007 to 2008 and 2008 to 2009 is not shown as low participation levels led to underestimation of obesity prevalence.

Maternal and child health

Risk factors and wider determinants

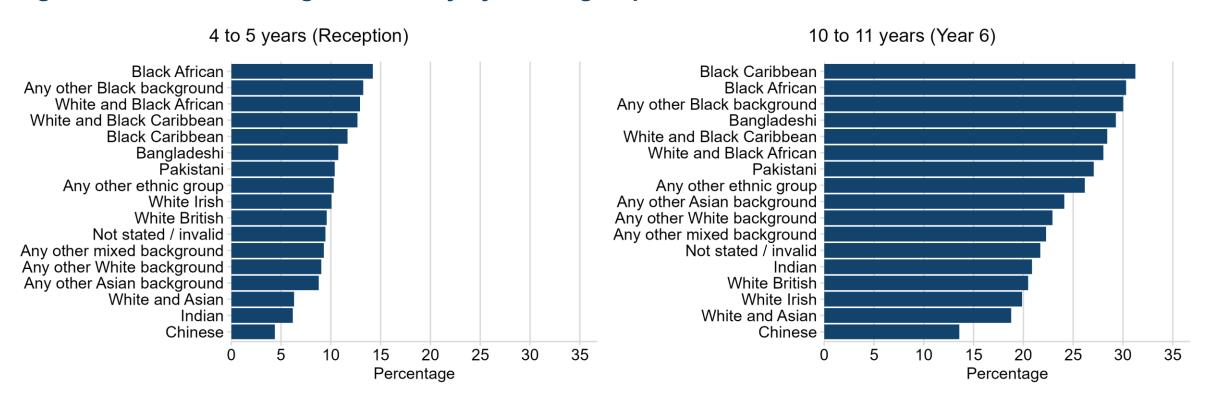
Screening and vaccination

References



There are differences in childhood obesity between ethnic groups.

Figure 3.18 Children living with obesity by ethnic group



Percentage of children aged 4 to 5 (Reception year) and aged 10 to 11 (Year 6) living with obesity or severe obesity by ethnic group, England. National Child Measurement Programme (NCMP) data for academic year 2023 to 2024.

Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

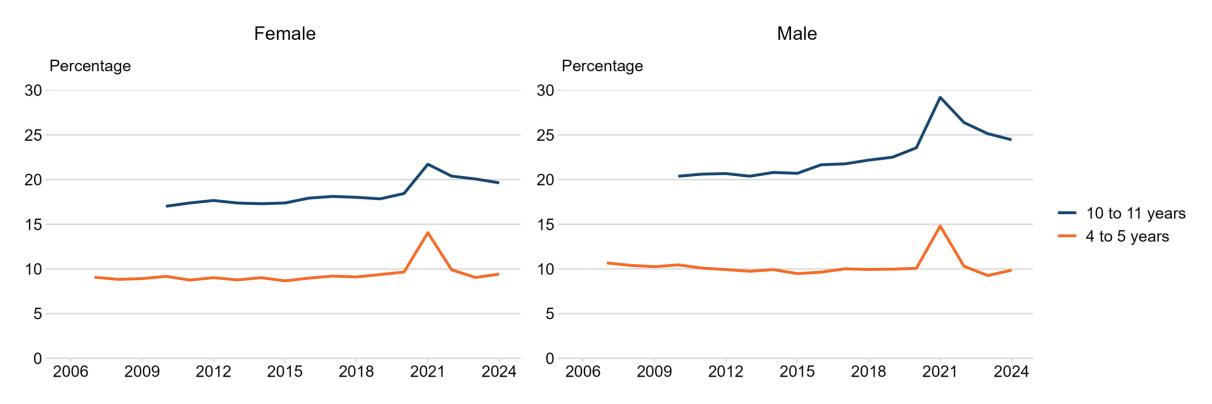
Screening and vaccination

References



Child obesity prevalence is higher in boys aged 10 to 11 years than girls and has increased in this age group as a whole.

Figure 3.19 Trend in children living with obesity by sex



Trend in the percentage of children aged 4 to 5 (Reception year) and aged 10 to 11 (Year 6) living with obesity or severe obesity by sex, England, between 2006 to 2007 and 2023 to 2024. National Child Measurement Programme (NCMP) data for academic years ending in the year shown. Trend for children aged 10 to 11 (Year 6) between 2006 to 2007 and 2008 to 2009 ais not shown as low participation levels led to underestimation of obesity prevalence.

Mortality and

morbidity





The shape of BMI distribution in children aged 4 to 5 has remained similar over time. The proportion with high BMI measurements was slightly higher in 2023 to 2024 than in 1990.

Figure 3.20 Child body mass index (BMI) distribution - 4 to 5 years (Reception)

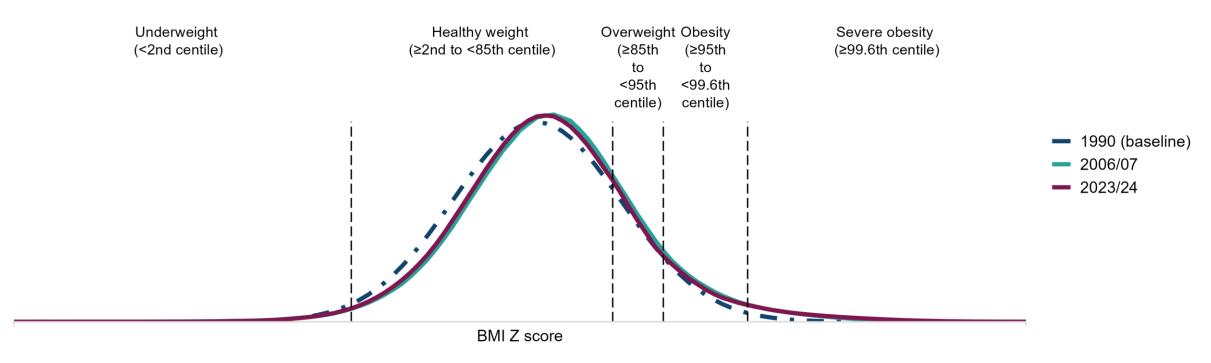
Maternal and child

health

Frequency (%)

Life expectancy and

population change



Change in the distribution of child body mass index (BMI) z score in children aged 4 to 5 years (Reception year) using National Child Measurement Programme (NCMP) data for academic years between 2006 to 2007 and 2023 to 2024 compared with the British 1990 (UK90) growth reference baseline. BMI z score is a standard deviation score which adjusts BMI for age and sex of children based on the UK90 growth reference.

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

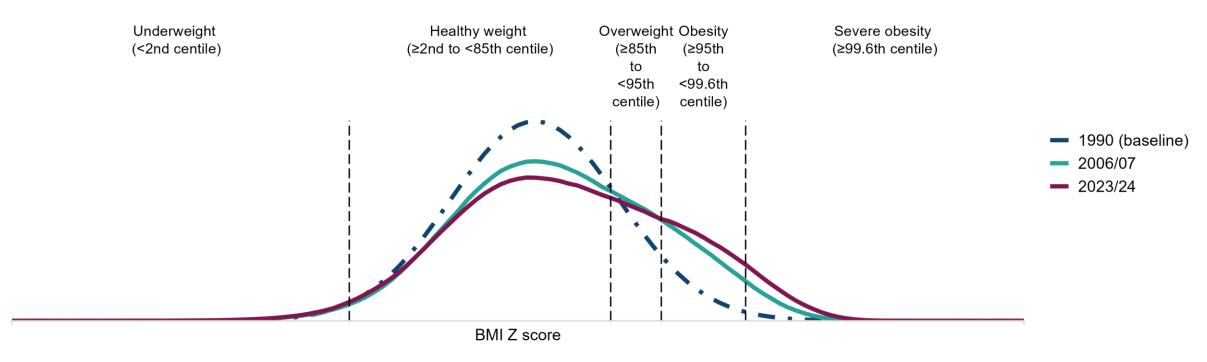
References



The shape of BMI distribution in Year 6 children has changed and the proportion of this age group with high BMI measurements has become significantly higher since 1990.

Figure 3.21 Child body mass index (BMI) distribution - 10 to 11 years (Year 6)

Frequency (%)



Change in the distribution of child body mass index (BMI) z score in children aged 10 to 11 years (Year 6) using National Child Measurement Programme (NCMP) data for academic years between 2006 to 2007 and 2023 to 2024 compared with the British 1990 (UK90) growth reference baseline. BMI z score is a standard deviation score which adjusts BMI for age and sex of children based on the UK90 growth reference.

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

References



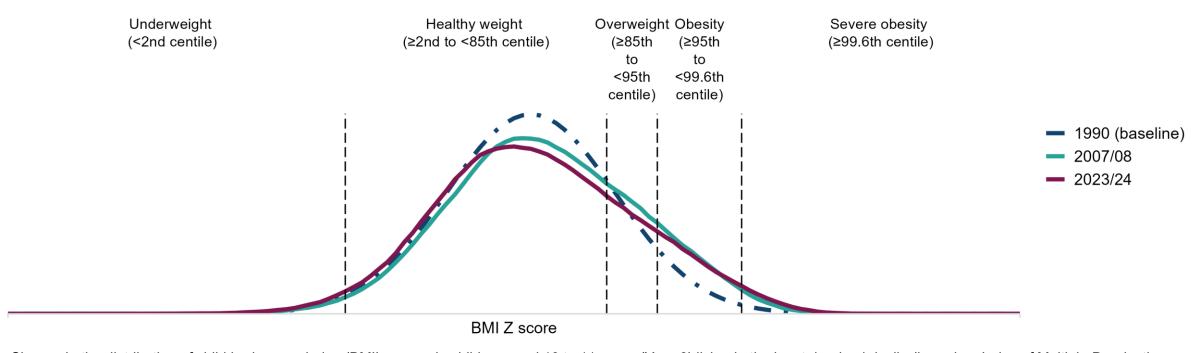
The change in the BMI distribution in Year 6 children was less pronounced for those in the least deprived decile.

Figure 3.22 Child body mass index distribution in the least deprived areas - 10 to 11 years (Year 6)

Frequency (%)

Life expectancy and

population change



Change in the distribution of child body mass index (BMI) z score in children aged 10 to 11 years (Year 6) living in the least deprived decile (based on Index of Multiple Deprivation (IMD) of lower super output areas) using National Child Measurement Programme (NCMP) data for academic years between 2007 to 2008 and 2023 to 2024 compared with the British 1990 (UK90) growth reference baseline. BMI z score is a standard deviation score which adjusts BMI for age and sex of children based on the UK90 growth reference. See references for further notes.

Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

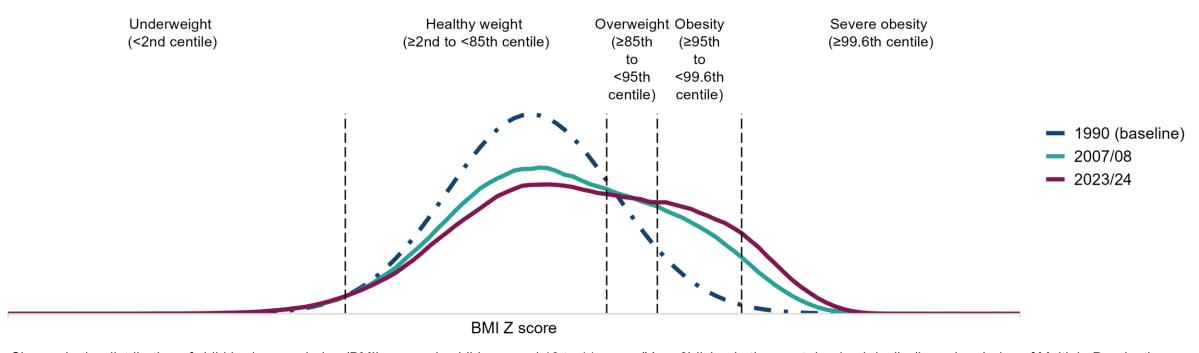
References



The change in the BMI distribution in Year 6 children was more pronounced for those in the most deprived decile.

Figure 3.23 Child body mass index distribution in the most deprived areas - 10 to 11 years (Year 6)

Frequency (%)



Change in the distribution of child body mass index (BMI) z score in children aged 10 to 11 years (Year 6) living in the most deprived decile (based on Index of Multiple Deprivation (IMD) of lower super output areas) using National Child Measurement Programme (NCMP) data for academic years between 2007 to 2008 and 2023 to 2024 compared with the British 1990 (UK90) growth reference baseline. BMI z score is a standard deviation score which adjusts BMI for age and sex of children based on the UK90 growth reference. See references for further notes.

Maternal and child health

Risk factors and wider determinants

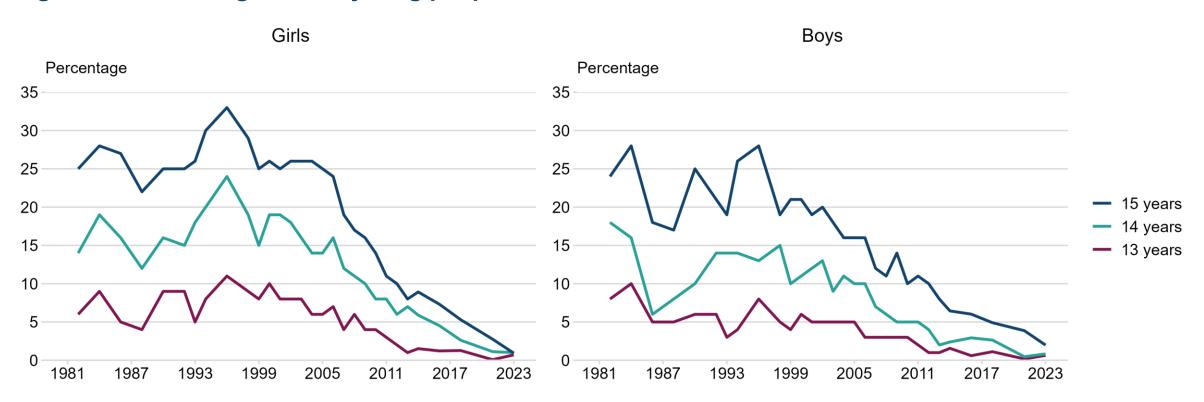
Screening and vaccination

References



There has been a substantial decline in the proportion of young people that regularly smoke since the early 2000s.

Figure 3.24 Smoking trend in young people



Percentage of children surveyed in the Smoking, Drinking and Drug Use Among Young People in England survey classified as regular smokers (smoking at least one cigarette per week) by age and sex, England, 1982 to 2023. The survey has been completed every 2 years, apart from a period between 1998 and 2014 when it was completed annually and in 2020 when it was postponed due to COVID-19.

Maternal and child health

Risk factors and wider determinants

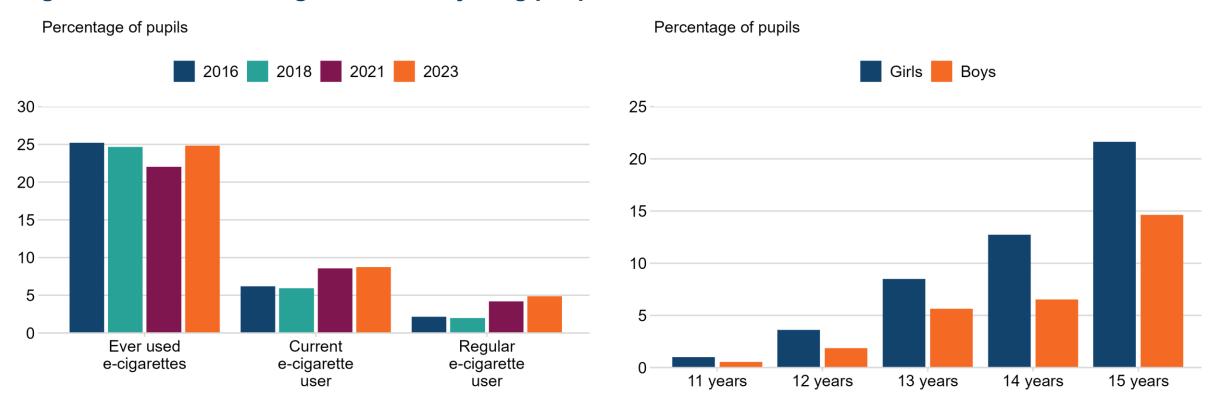
Screening and vaccination

References



1 in 4 young people have ever used e-cigarettes. More girls than boys currently use e-cigarettes.

Figure 3.25 Trend in e-cigarette use in young people



Percentage of 11 to 15 year olds surveyed in the Smoking, Drinking and Drug Use Among Young People in England survey using e-cigarettes, by e-cigarette user status, England, 2016 to 2023 (left) and for current e-cigarette users by sex, England, 2023 (right). Regular e-cigarette users, current e-cigarette users and ever-used e-cigarette user statuses are defined in the reference section.

Life expectancy and population change Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

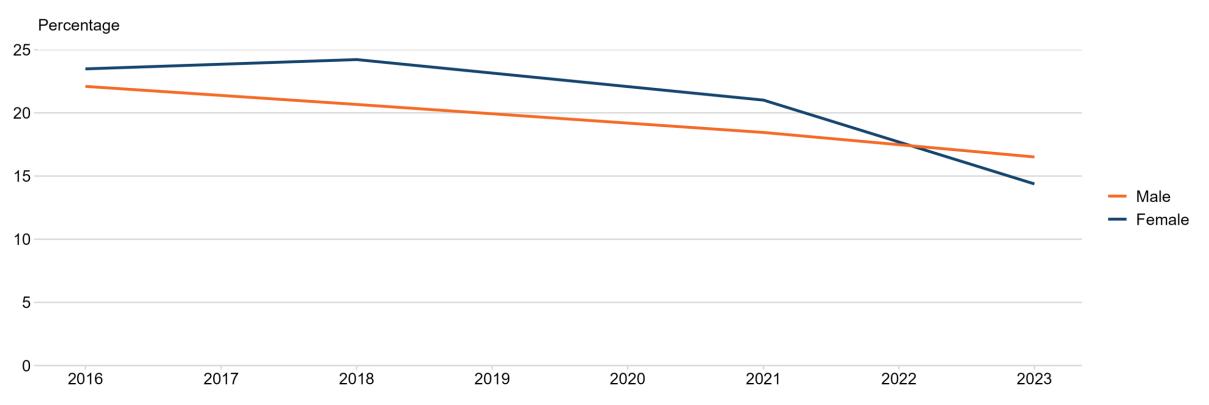
Screening and vaccination

References



The proportion of 15 year olds who report drinking alcohol in the last week has decreased.

Figure 3.26 Alcohol drinking in children



Percentage of 15 year olds surveyed in the Smoking, Drinking and Drug Use Among Young People in England survey who reported drinking alcohol in the last week, by sex, England, 2016, 2018, 2021 and 2023.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

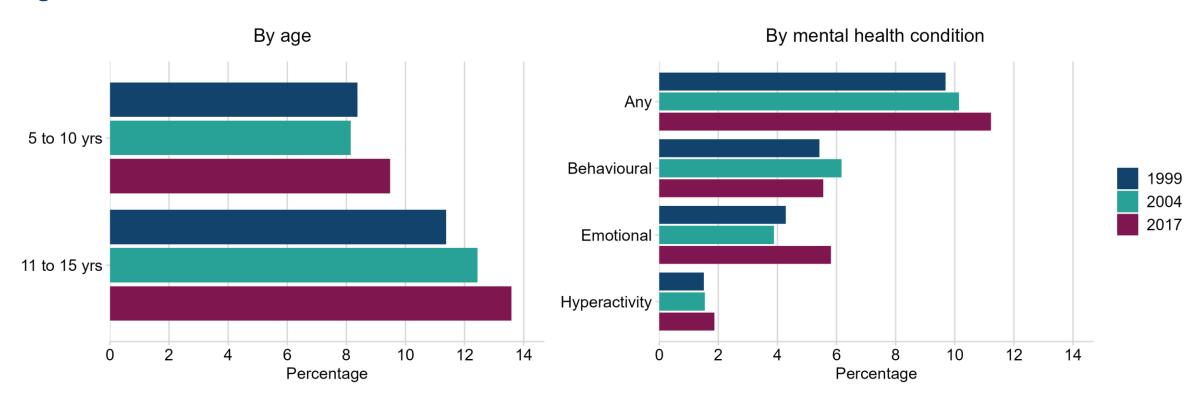
Screening and vaccination

References



The proportion of children and young people diagnosed with a mental health condition has increased over time.

Figure 3.27 Children with mental health conditions



Trend in the percentage of children aged 5 to 15 years with mental health conditions, by age (left) and by condition (right), England, 1999 to 2017.

Life expectancy and

population change

Maternal and child

health

Risk factors and wider determinants

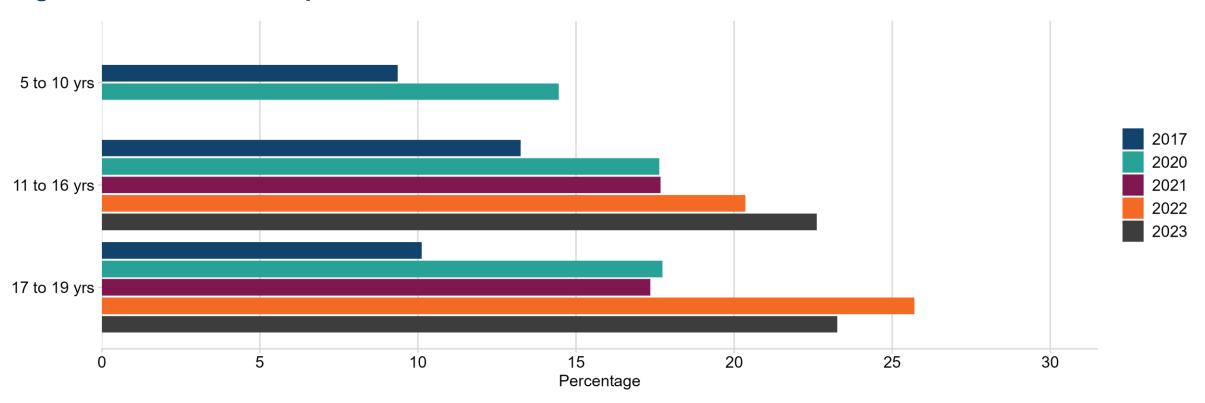
Screening and vaccination

References



Since 2017, the prevalence of probable mental health conditions in children has increased across all age groups.

Figure 3.28 Children with probable mental health conditions



Trend in the percentage of children aged 5 to 19 years with probable mental health conditions, by age, England, 2017 to 2023. Data on children aged 5 to 10 years is from the 2020 (wave 1) follow-up survey, whereas data on children aged 10 years and over is from the 2023 (wave 4) follow-up survey.

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Life expectancy and population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

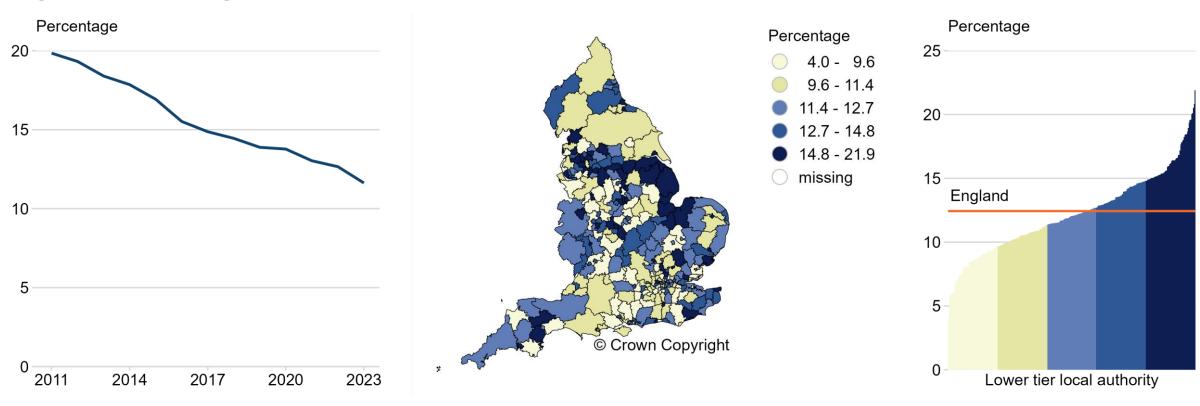
Screening and vaccination

References



The proportion of people who smoke in England is decreasing, but smoking prevalence varies across the country.

Figure 4.1 Smoking prevalence in adults



Smoking prevalence in adults: current smokers among persons 18 years and over from the Annual Population Survey, for England, 2011 to 2023 (left) and for lower tier local authorities, in 2021 to 2023 (centre and right).

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

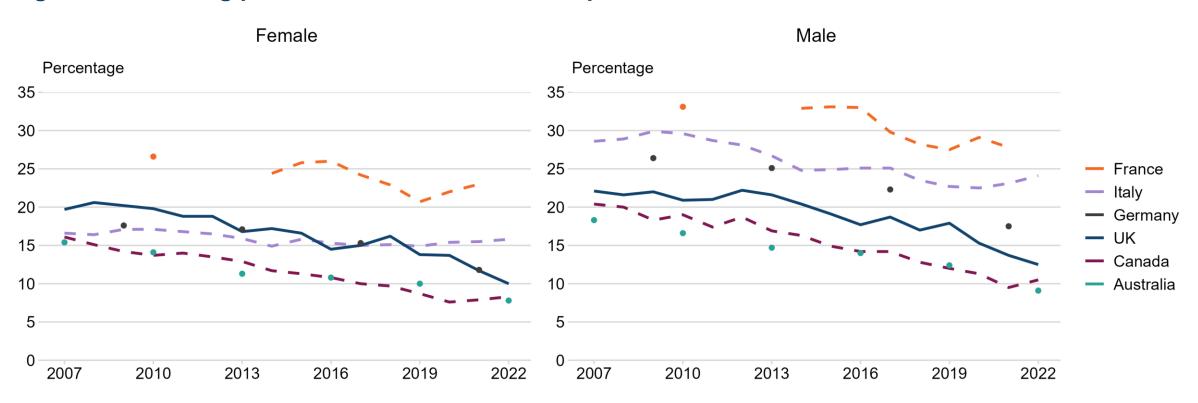
Screening and vaccination

References



Some comparable countries have also experienced reductions in smoking prevalence.

Figure 4.2 Smoking prevalence - international comparison



Percentage of the population aged 15 or over who are daily smokers, by age, UK and selected countries, 2007 to 2022.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

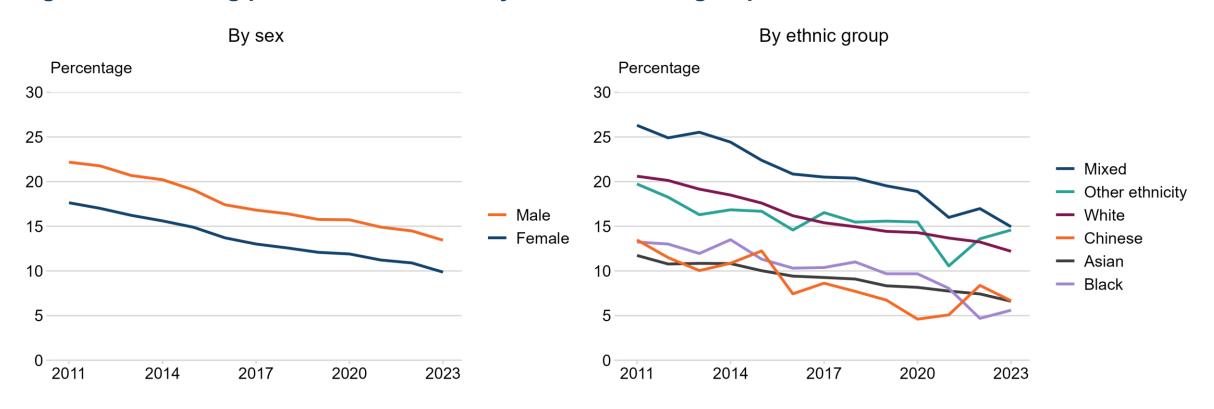
Screening and vaccination

References



Smoking rates have declined for males and females. Decreases are observed across all ethnic groups.

Figure 4.3 Smoking prevalence in adults by sex and ethnic group



Smoking prevalence in adults: current smokers among persons 18 years and over from the Annual Population Survey by sex (left) and by ethnic group (right), England, 2011 to 2023. Ethnic group data should be interpreted with caution due to small sample sizes, especially for the Black and Chinese ethnic groups.

Maternal and child health

Risk factors and wider determinants

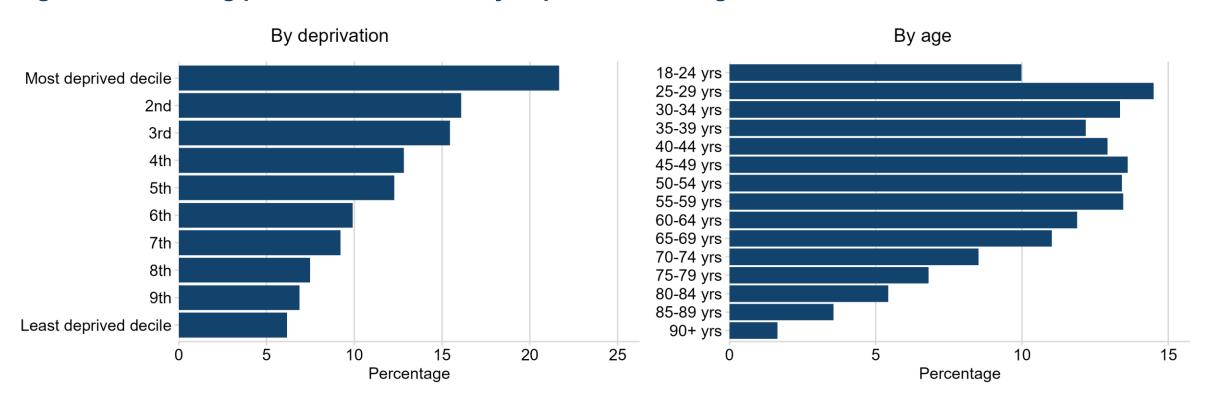
Screening and vaccination

References



In 2023, smoking rates were highest in the most deprived areas and adults aged 25 to 59 years.

Figure 4.4 Smoking prevalence in adults by deprivation and age



Smoking prevalence in adults: current smokers among persons 18 years and over from the Annual Population Survey by Index of Multiple Deprivation (IMD) deciles of lower super output areas (left) and by age group (right), England, 2023.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

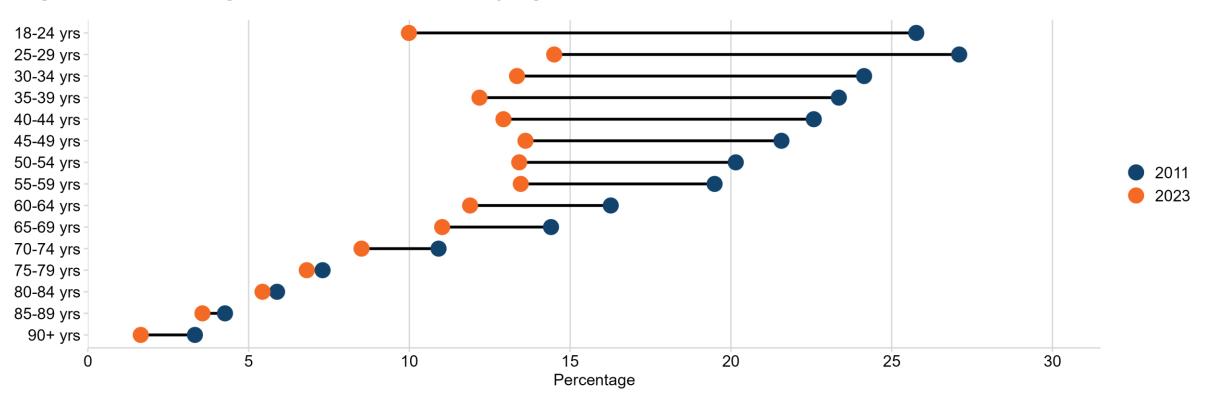
Screening and vaccination

References



Reductions in smoking rates have been seen across all age groups. The most significant reductions have been in the younger age groups.

Figure 4.5 Smoking prevalence in adults by age



Smoking prevalence in adults: current smokers from the Annual Population Survey by age group, England, 2011 and 2023.

Life expectancy and

population change

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

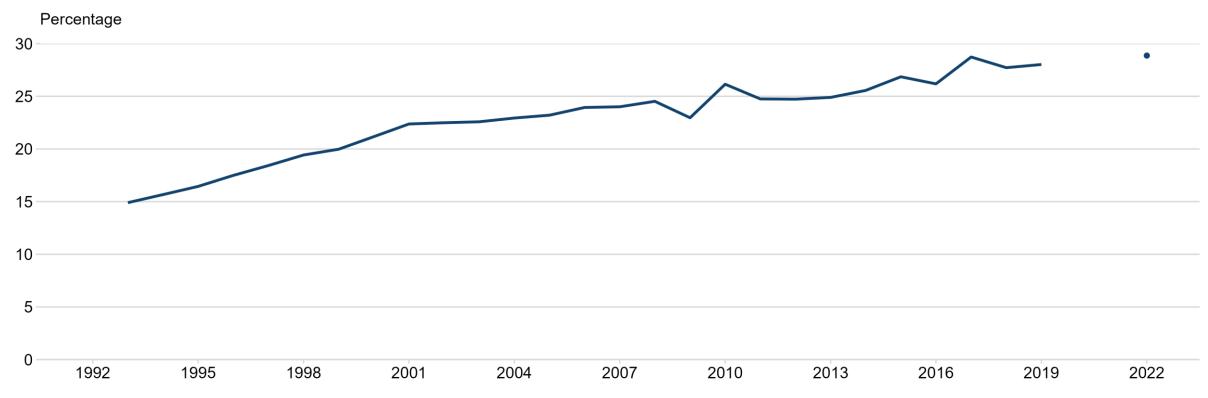
Screening and vaccination

References



The proportion of adults living with obesity has risen since the early 1990s.

Figure 4.6 Trend in adults living with obesity



Trend in the percentage of adults aged 16 and over living with obesity, England, Health Survey for England survey years 1993 to 2022. Obesity is defined as having a body mass index (BMI) over 30 kilograms per metre squared. Data for 2003 onwards have been weighted for non-response. Data was not collected in 2020. The methodology used in 2021 was not comparable so results are not shown.

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

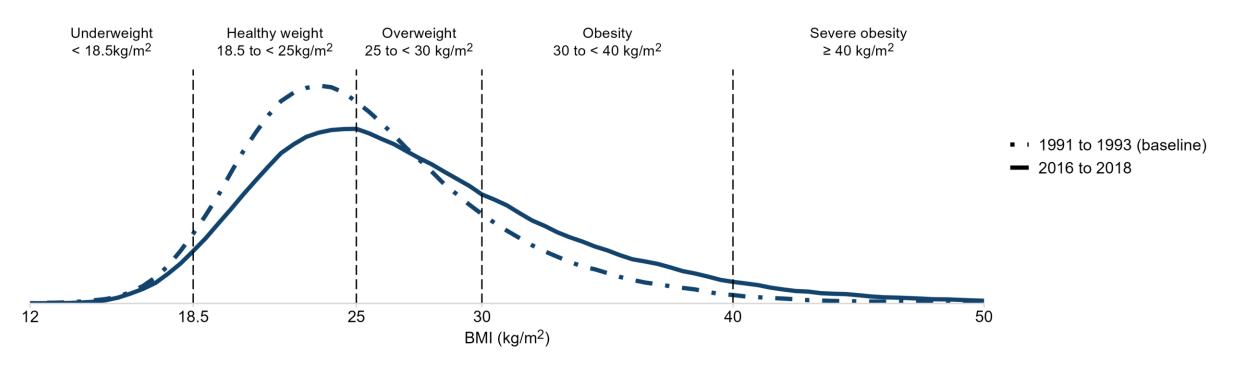
References



The shape of BMI distribution in adults has shifted over time. The proportion of women with high BMI measurements was higher in 2016 to 2018 than 1991 to 1993.

Figure 4.7 Adult body mass index (BMI) distribution - women

Frequency (%)



Change in the distribution of body mass index (BMI) for women aged 18 years and over, England, between 1991 to 1993 and 2016 to 2018. 3 years of data have been combined for each timepoint.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

Screening and vaccination

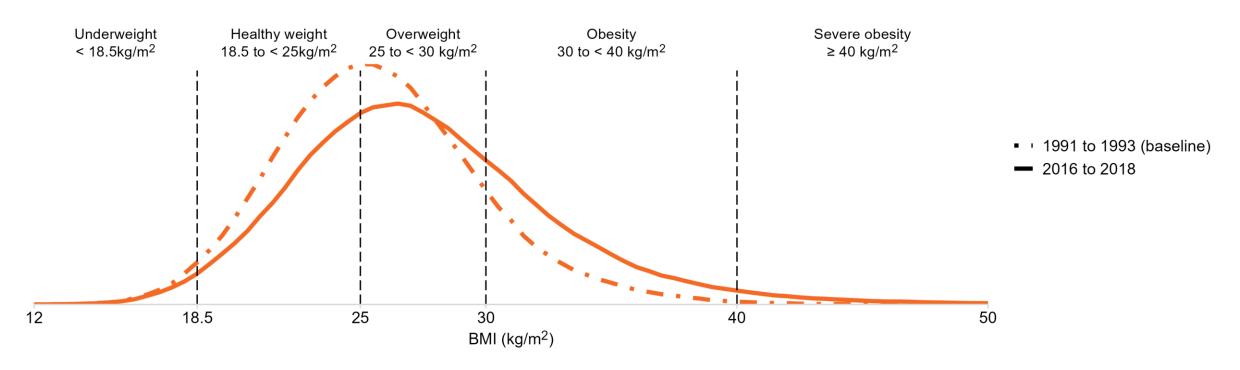
References



The shape of BMI distribution in adults has shifted over time. The proportion of men with high BMI measurements was higher in 2016 to 2018 than 1991 to 1993.

Figure 4.8 Adult body mass index (BMI) distribution - men

Frequency (%)



Change in the distribution of body mass index (BMI) for men aged 18 years and over, England, between 1991 to 1993 and 2016 to 2018. 3 years of data have been combined for each timepoint.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

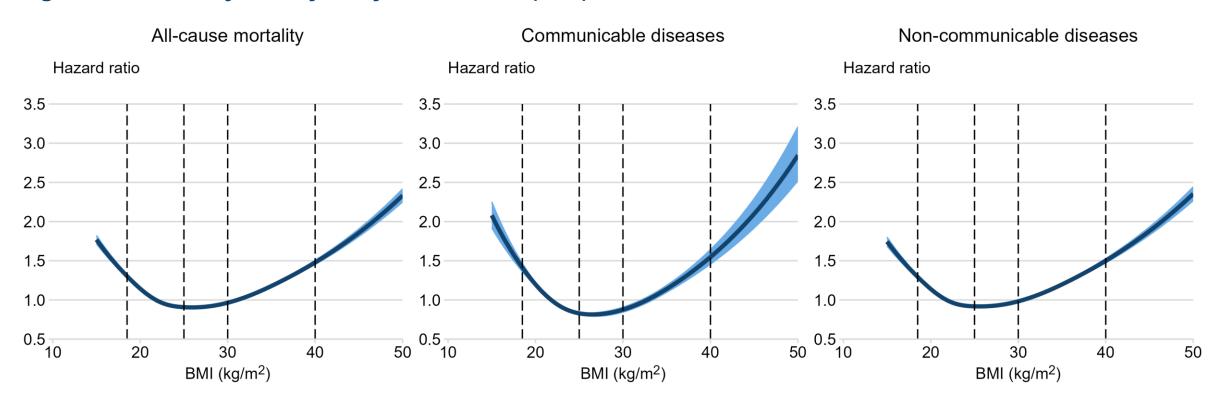
Screening and vaccination

References



Unhealthy weight (low or high) is associated with a higher risk of death. Risk increases as weight moves further away from a healthy range.

Figure 4.9 Mortality risk by body mass index (BMI)



The association between body mass index (BMI) and mortality from a population-based cohort study, showing 95% confidence, United Kingdom, between 1998 and 2016. A hazard ratio greater than 1 represents an increased risk of mortality and a hazard ratio less than 1 represents a decreased risk. World Health Organization BMI category thresholds are displayed as a dashed line; underweight < 18.5kg/m2, healthy weight 18.5 to < 25kg/m2, overweight 25 to < 30 kg/m2, obesity 30 to < 40 kg/m2, severe obesity ≥ 40 kg/m2.

Maternal and child health

Risk factors and wider determinants

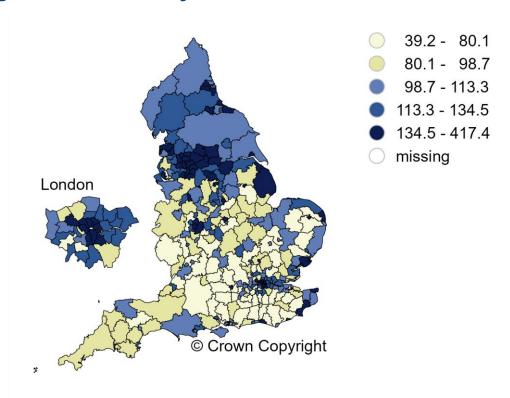
Screening and vaccination

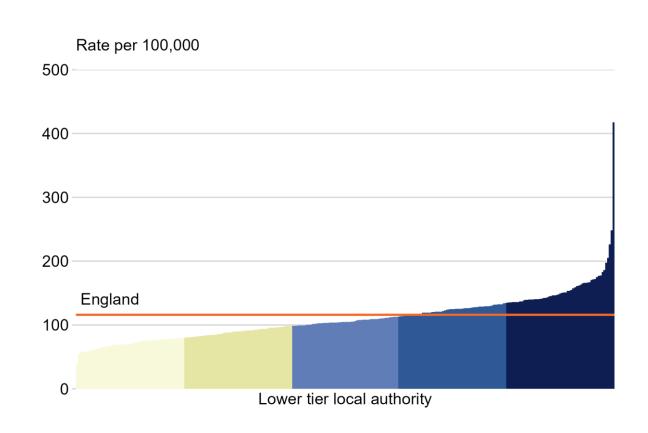
References



The density of fast food outlets is greatest in the most deprived areas.

Figure 4.10 Density of fast food outlets





Fast food outlets (crude rate per 100,000 population), lower tier local authorities in England, 2024.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

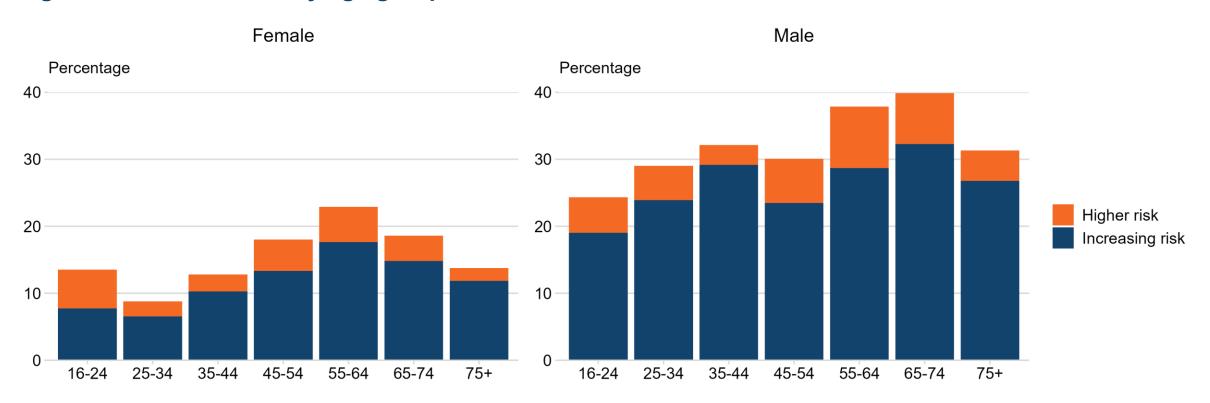
Screening and vaccination

References



In 2022, a greater proportion of males reported drinking at levels that increase risk of harm compared with females.

Figure 4.11 Alcohol risk by age group



Percentage of adults drinking at increased or higher risk of harm, by age group, England, Health Survey for England survey year 2022. Increasing risk is 14 to 50 units per week in men and 14 to 35 units per week in women. Higher risk is greater than 50 units in men and greater than 35 units in women.

Mortality and

morbidity



In 2022, the proportion of adults who reported drinking at levels that increase risk of harm was similar across deprivation levels.

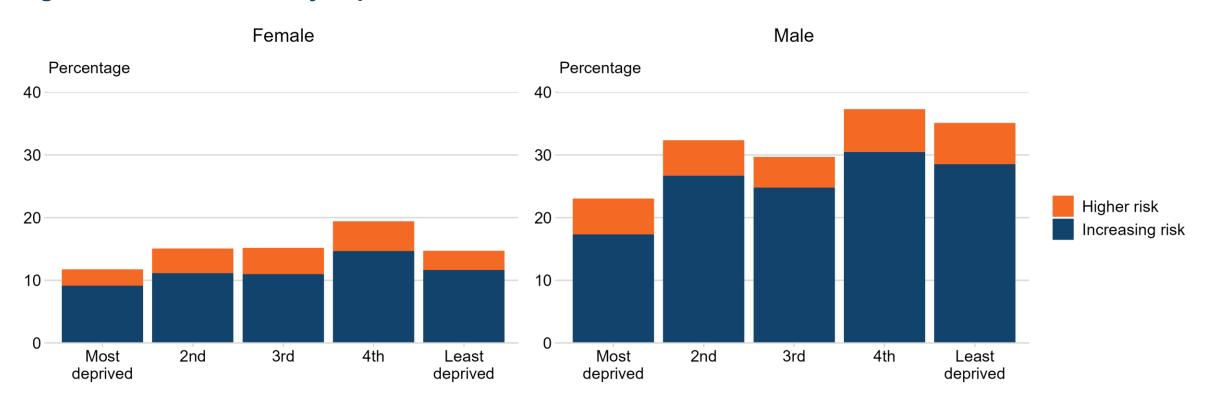
Maternal and child

health

Figure 4.12 Alcohol risk by deprivation

Life expectancy and

population change



Percentage of adults drinking at increased or higher risk of harm, by Index of Multiple Deprivation (IMD) quintiles of lower super output areas, England, Health Survey for England survey year 2022. Increasing risk is 14 to 50 units per week in men and 14 to 35 units per week in women. Higher risk is greater than 50 units in men and greater then 35 units in women.

Maternal and child health

Risk factors and wider determinants

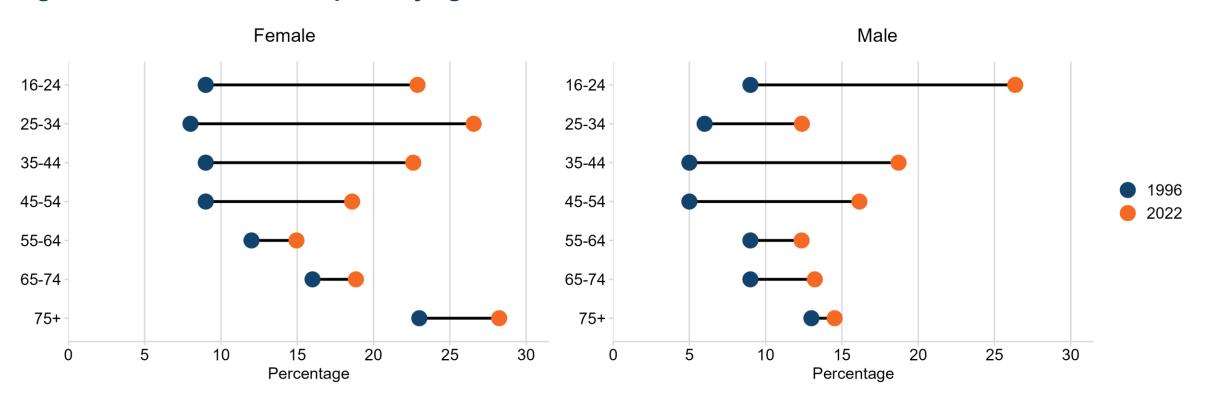
Screening and vaccination

References



Abstaining from alcohol is more common today than in the mid-1990s. Larger changes are seen in younger age groups.

Figure 4.13 Alcohol consumption by age and sex - abstainers



Percentage of adults who abstain from drinking alcohol, England, Health Survey for England survey years 1996 and 2022.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

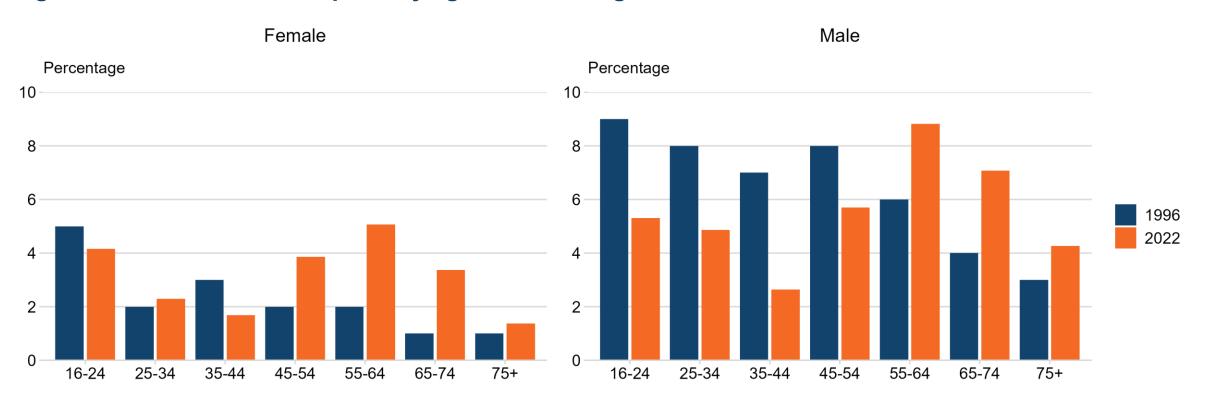
Screening and vaccination

References



In 1996, high risk drinking was more prevalent among young adults, whereas in 2022, it was more common among older adults. It is likely this cohort effect will be sustained.

Figure 4.14 Alcohol consumption by age and sex - high risk drinkers



Percentage of adults who are higher risk drinkers, England, Health Survey for England (HSE) survey years 1996 and 2022. Higher risk is greater than 50 units in men and greater than 35 units in women. The method used by HSE to convert drinks to units changed in 2006 and 2022 meaning that 1996 higher risk drinkers may be underestimated.

Maternal and child health

Risk factors and wider determinants

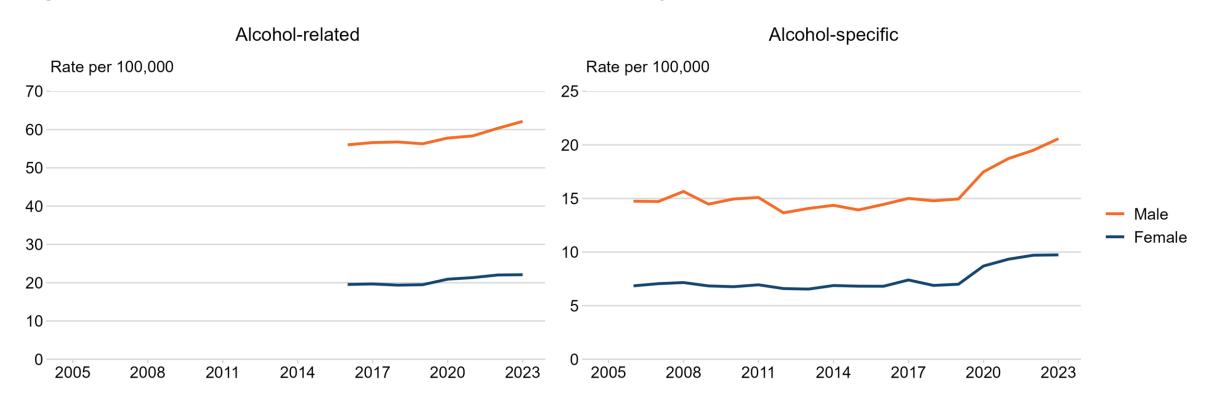
Screening and vaccination

References



Deaths rates from alcohol have increased, particularly among males.

Figure 4.15 Alcohol-related and alcohol-specific mortality



Mortality from alcohol-related conditions (left) and alcohol-specific conditions (right) by sex, England, 2006 to 2023. Directly age-standardised rates per 100,000 population. Alcohol-related mortality measures the mortality rate from causes that are wholly or partially caused by alcohol consumption by assigning an alcohol-attributable fraction to each death based on the age, sex and cause. Alcohol-specific mortality measures the mortality rate from causes that are wholly caused by alcohol consumption.

Maternal and child health

Risk factors and wider determinants

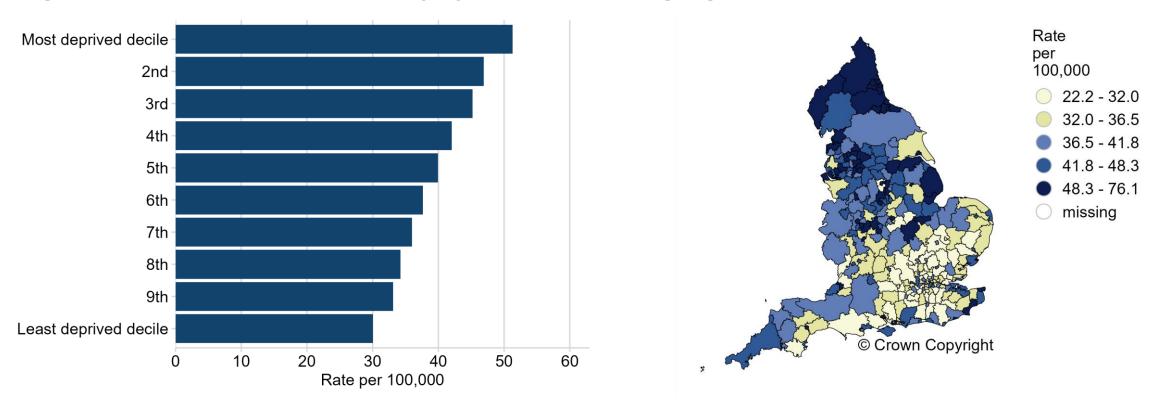
Screening and vaccination

References



In 2023, the rate of deaths related to alcohol was greater in more deprived areas.

Figure 4.16 Alcohol-related mortality by deprivation and geographical variation



Mortality from alcohol-related conditions by lower tier local authority based Index of Multiple Deprivation (IMD) (left) and for lower tier local authorities (right), England, 2023. Directly age-standardised rates per 100,000 population. Alcohol-related mortality measures the mortality rate from causes that are wholly or partially caused by alcohol consumption by assigning an alcohol-attributable fraction to each death based on the age, sex and cause.

References



Alcohol has become increasingly more affordable.

Mortality and

morbidity

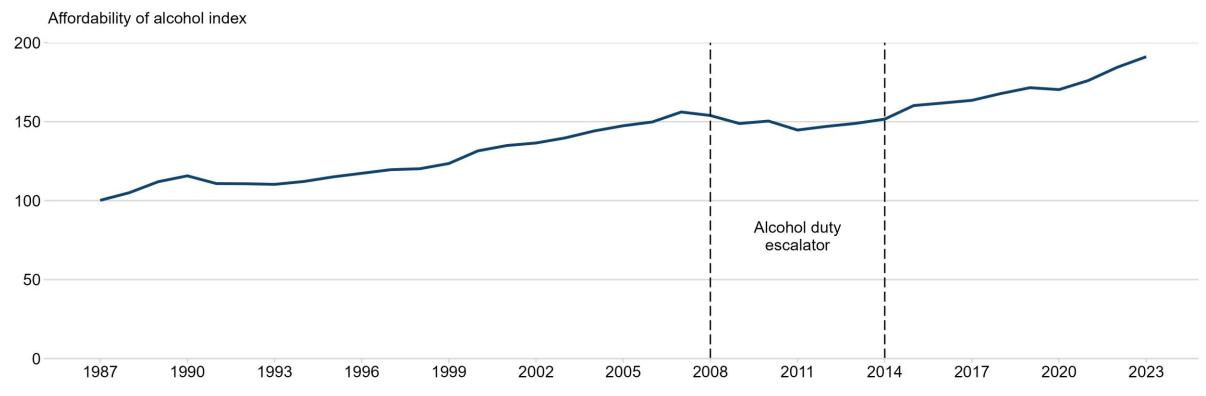
Life expectancy and

population change

Figure 4.17 Trend in alcohol affordability (higher index value = more affordable)

Maternal and child

health



The affordability of alcohol index (RAAI) on a per capita (adult) basis showing the government alcohol duty escalator period, United Kingdom, 1987 to 2023. Indexed against January 1987. The affordability of alcohol index shows how the price of alcohol has changed compared with the price of all goods and services and households' disposable income. If the affordability index is above 100, then alcohol is relatively more affordable than in the base year, 1987. Note that the value for 1987 does not equal exactly 100 because the base index value is for January in that year whereas the 1987 value is the mean of the 12 months in that year.

Maternal and child health

Risk factors and wider determinants

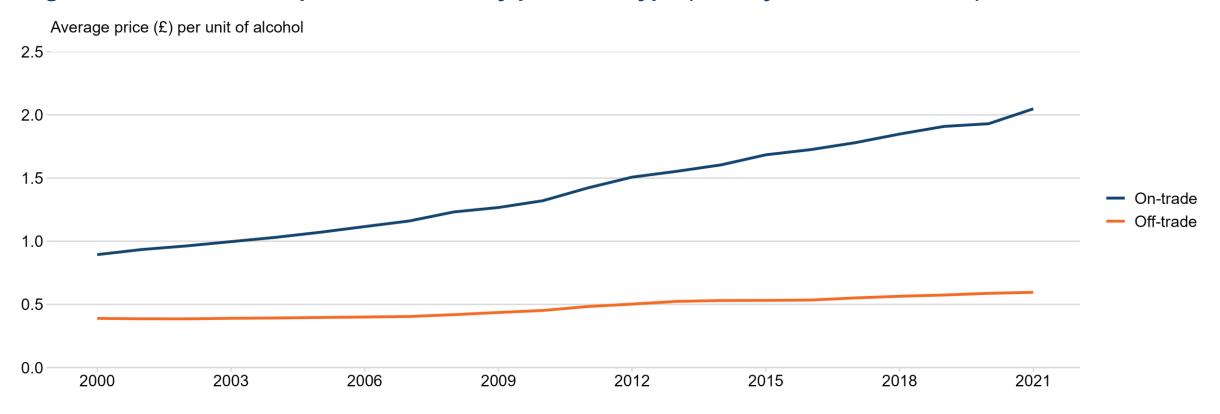
Screening and vaccination

References



Since 2000, the average price per unit of alcohol has increased in the on-trade (pubs, bars, clubs and restaurants) more than the off-trade (supermarkets and other off-licenses).

Figure 4.18 Trend in the price of alcohol by premises type (not adjusted for inflation)



Average price (£) per unit of alcohol sold by premises type, England and Wales, 2000 to 2021. On-trade premises include pubs, bars, clubs and restaurants. Off-trade premises include supermarkets and other off-licences. Alcohol prices have not been adjusted for inflation.

Maternal and child health

Risk factors and wider determinants

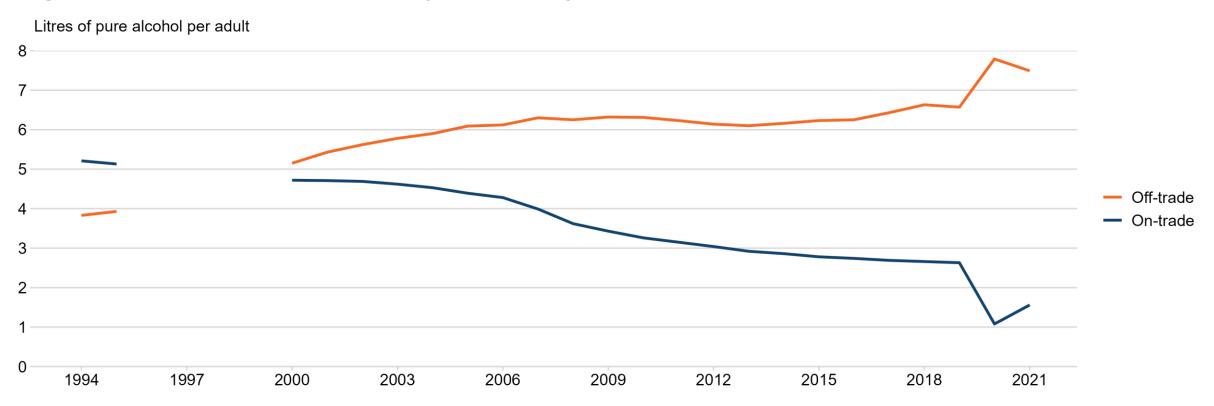
Screening and vaccination

References



Since 2000, the volume of alcohol sold per adult increased in the off-trade (supermarkets and other off-licenses) and decreased in the on-trade (pubs, bars, clubs and restaurants) sector.

Figure 4.19 Trend in alcohol sales by premises type



Volume in litres of pure alcohol sold per adult aged 16 or over by trade sector, England and Wales, 1994 to 2021. On-trade premises include pubs, bars, clubs and restaurants. Off-trade premises include supermarkets and other off-licences. Data is not available for 1996 to 1999.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

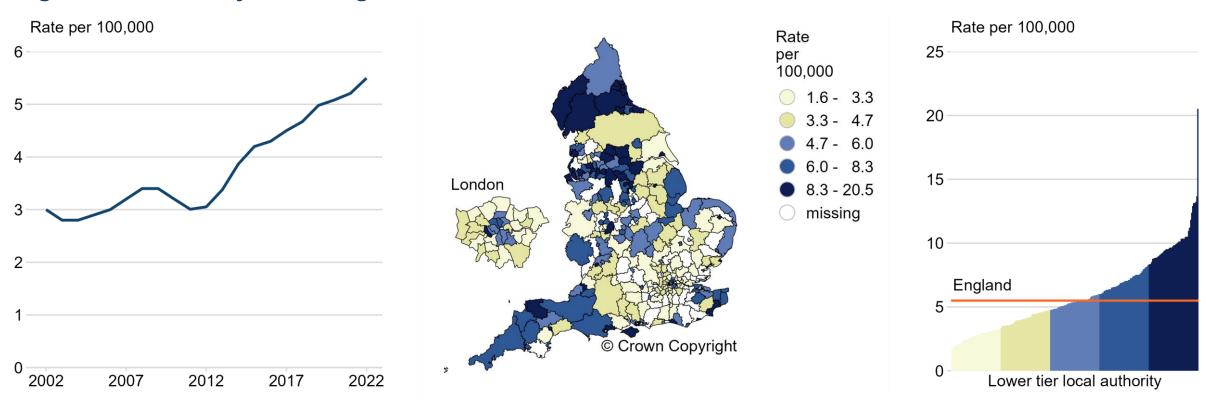
Screening and vaccination

References



The death rate attributed to drug misuse has nearly doubled over 20 years.

Figure 4.20 Mortality from drug misuse



Mortality from drug misuse. Directly age-standardised rate per 100,000 population, for England, between 2001 to 2003 and 2021 to 2023 (left) and for lower tier local authorities, 2021 to 2023 (centre and right). Years indicate the mid-point in a 3-year range.

Life expectancy and

population change

Maternal and child health

Risk factors and wider determinants

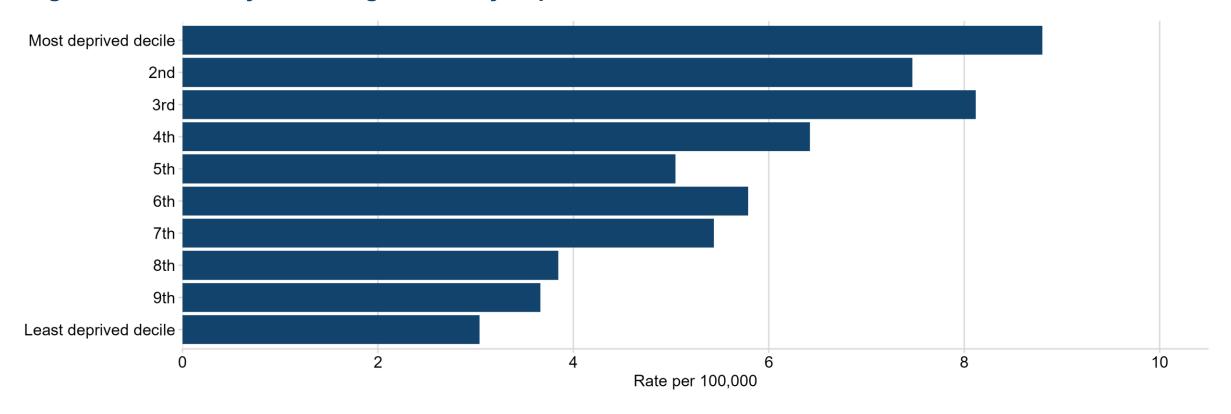
Screening and vaccination

References



The death rate attributed to drug misuse was higher in more deprived areas between 2021 and 2023.

Figure 4.21 Mortality from drug misuse by deprivation



Mortality from drug misuse for upper tier local authority based Index of Multiple Deprivation (IMD) deciles. Directly age-standardised rate per 100,000 population, England, 2021 to 2023.

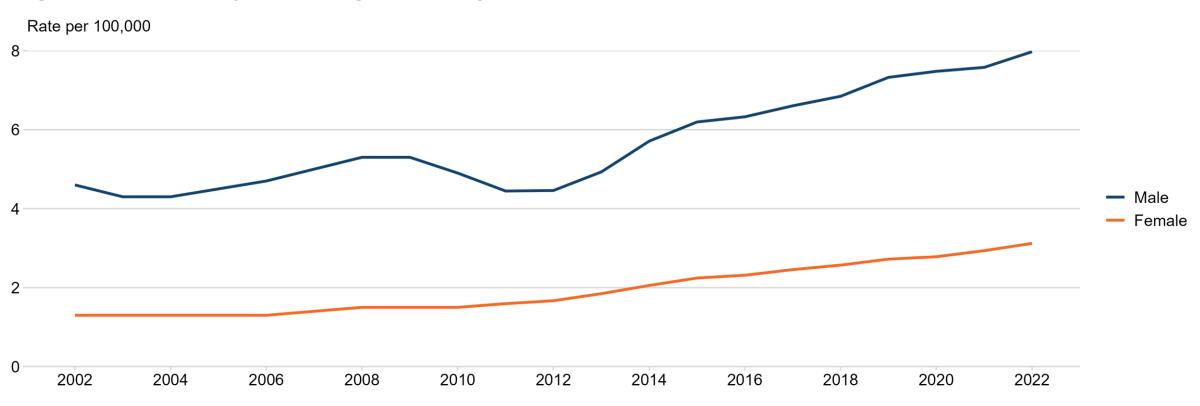


The death rate attributed to drug misuse has increased over time and is higher in males.

Figure 4.22 Mortality from drug misuse by sex

Life expectancy and

population change



Mortality from drug misuse by sex. Directly age-standardised rate per 100,000 population, for England, between 2001 to 2003 and 2021 to 2023.

Life expectancy and population change Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

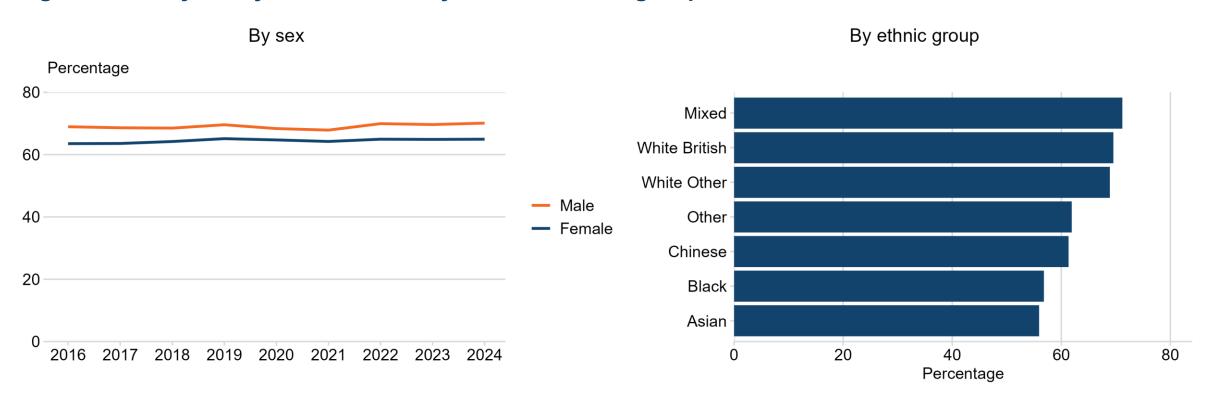
Screening and vaccination

References



In 2023 to 2024, around two-thirds of adults were physically active. More males were physically active than females.

Figure 4.23 Physically active adults by sex and ethnic group



Percentage of adults who are physically active, England, by sex for survey years between 2015 to 2016 and 2023 to 2024 (left) and by ethnic group in survey year 2023 to 2024 (right). Physically active is defined as doing at least 150 minutes of moderate intensity activity per week in bouts of 10 minutes or more in the previous 28 days. Survey year data ending in the year shown.

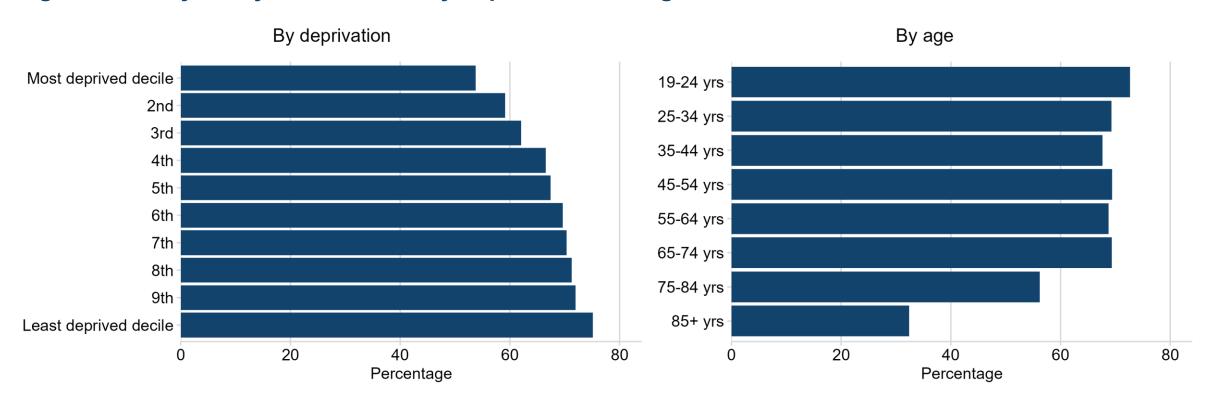
health





In 2023 to 2024, the proportion of physically active adults was lower in more deprived areas and in older adults.

Figure 4.24 Physically active adults by deprivation and age



Percentage of adults who are physically active by Index of Multiple Deprivation (IMD) deciles of lower super output areas (left) and by age group (right), England, survey year 2023 to 2024. Physically active is defined as doing at least 150 minutes of moderate intensity activity per week in bouts of 10 minutes or more in the previous 28 days.

Risk factors and wider determinants

Screening and vaccination

References

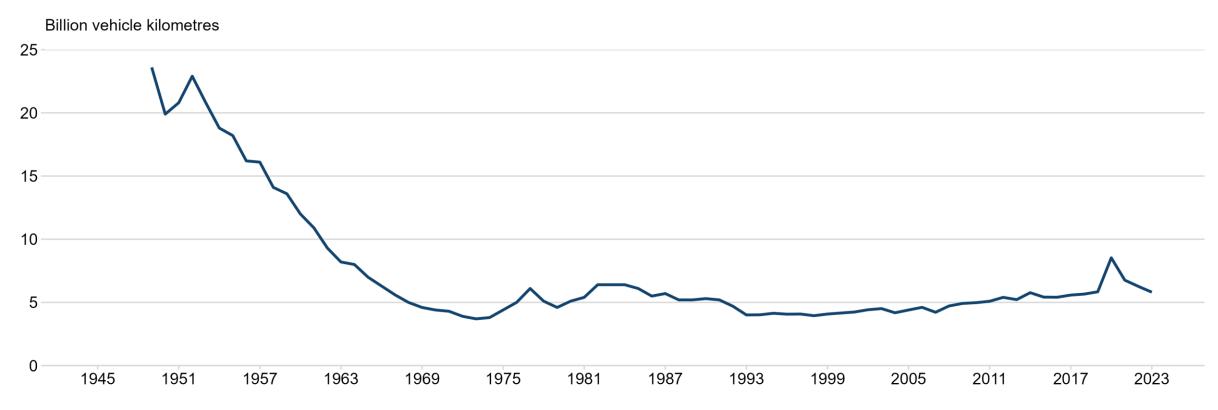


Cycling used to be a more common form of transport but declined after mass motor vehicle adoption.

Figure 4.25 Cycling trend

Life expectancy and

population change



Pedal cycle traffic (vehicle kilometres) in Great Britain, annual, 1949 to 2023.

Maternal and child health

Risk factors and wider determinants

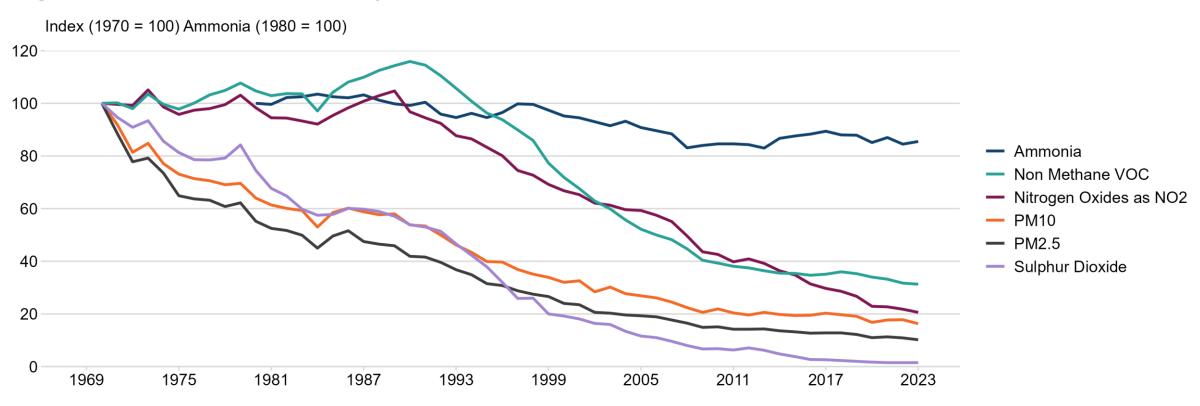
Screening and vaccination

References



Most air pollutants have reduced since the 1970s. Ammonia levels (mainly agriculture) remain high and improvements in PM2.5 and PM10 have stalled.

Figure 4.26 Air pollution trend by pollutant



Trend in emissions of sulphur dioxide, nitrogen oxides, non-methane volatile organic compounds (VOC), ammonia and particulate matter (PM10 and PM2.5: individual particles with an aerodynamic diameter of generally less than 10 or 2.5 micrometers), UK, 1970 to 2023.

Maternal and child health

Risk factors and wider determinants

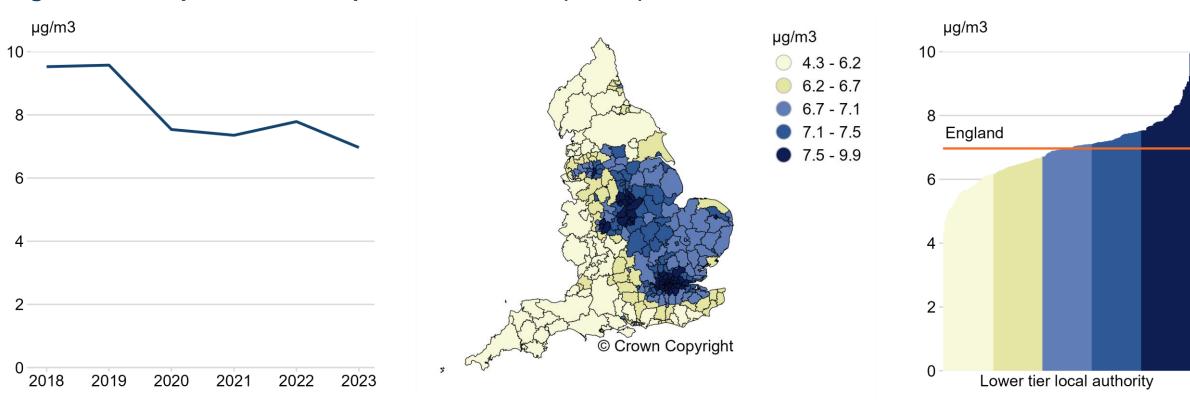
Screening and vaccination

References



Air pollution from fine particulate matter is greatest in urban areas.

Figure 4.27 Air pollution - fine particulate matter (PM2.5)



Air pollution: annual concentration of fine particulate matter (PM2.5) in micrograms per cubic metre (µg/m3) adjusted to account for population exposure, for England, 2018 to 2023 (left) and for lower tier local authorities, 2023 (centre and right). PM2.5, also known as fine particulate matter, refers to individual particles with an aerodynamic diameter generally less than 2.5 micrometers.

Maternal and child health

Risk factors and wider determinants

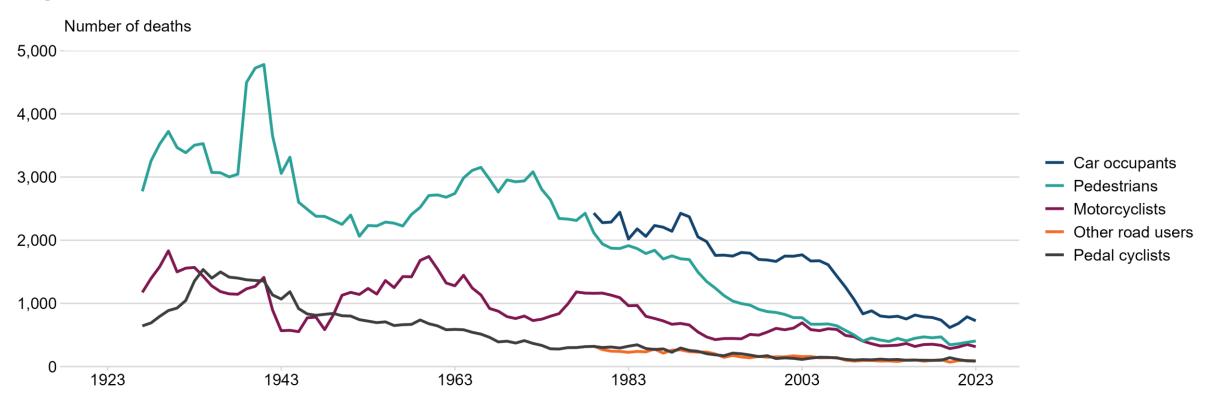
Screening and vaccination

References



Road traffic deaths have decreased substantially but have levelled off in the last decade.

Figure 4.28 Trend in road traffic accident fatalities



Number of people killed in road traffic accidents by road user type, Great Britain, 1926 to 2023.

Maternal and child health

Risk factors and wider determinants

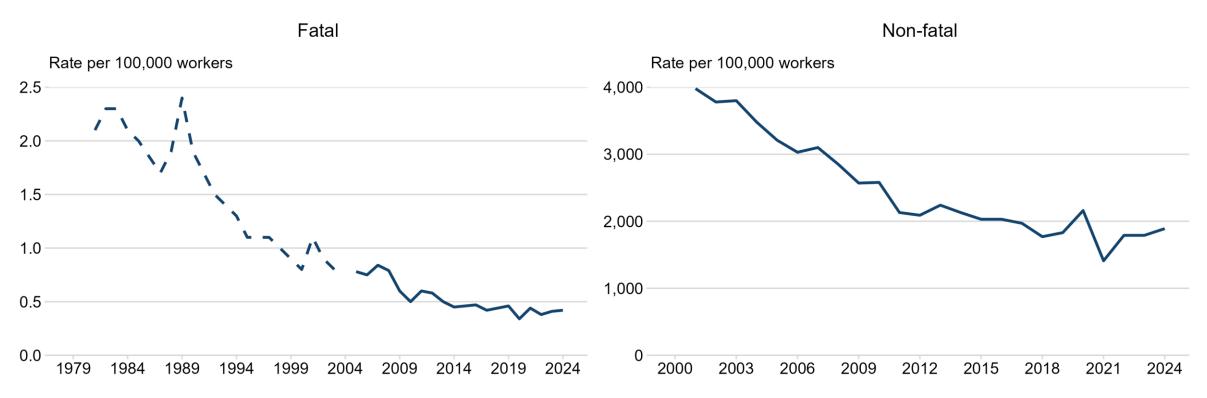
Screening and vaccination

References



The rate of work-related injuries has decreased over 40 years.

Figure 4.29 Trend in work related injuries



Rate of fatal and self-reported non-fatal injuries per 100,000 workers, Great Britain, between 1981 and 2023 to 2024 (fatal) and between 2000 to 2001 and 2023 to 2024 (non-fatal). Data for 2023 to 2024 is provisional. Includes employed and self-employed workers. Rates in 2020 to 2021, and to a lesser extent 2021 to 2022 and 2019 to 2020, are affected by the COVID-19 pandemic as denominators include those temporarily absent from work. Fatal rate estimates use a different source of employment data prior to 2004 to 2005 (dotted line). Financial year data ending in the year shown.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

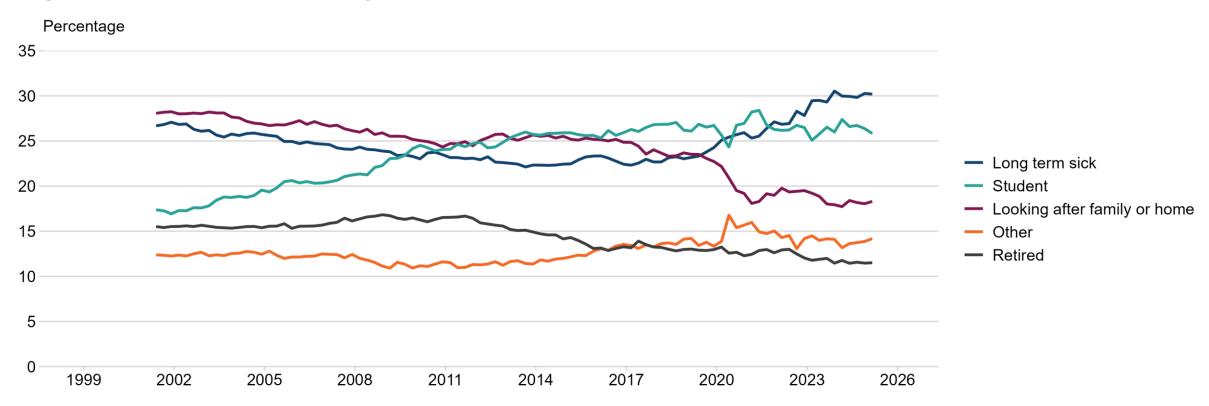
Screening and vaccination

References



The percentage of people who are economically inactive due to long term sickness has risen in recent years.

Figure 4.30 Economic inactivity and health



Percentage of economically inactive people aged 16 to 64 by reason, 2001 to 2025 (seasonally adjusted). Labour Force Survey data from 2019 onwards has been reweighted, see references for links to further information.

Maternal and child health

Risk factors and wider determinants

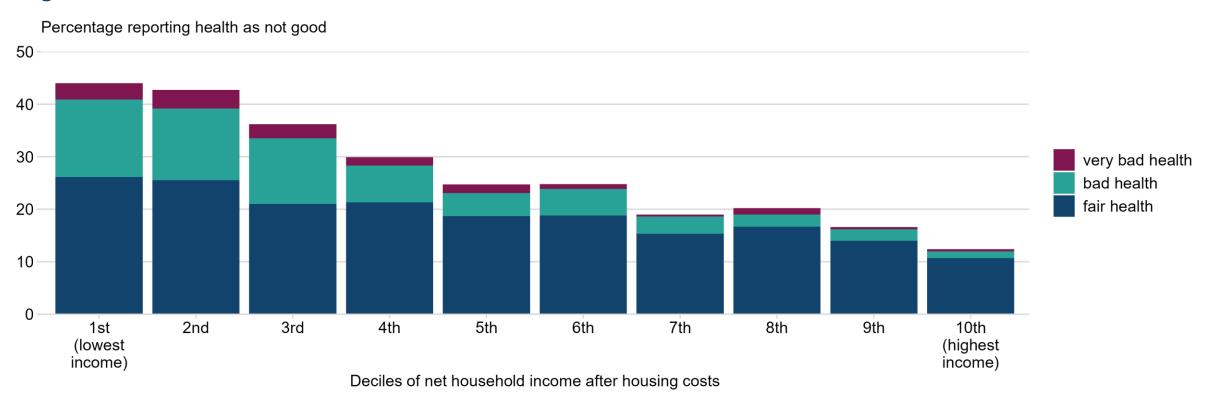
Screening and vaccination

References



In 2021 to 2022, a higher proportion of people with lower household income reported poorer health than those with higher income.

Figure 4.31 Income and health



Self-rated health by household income in adults aged 16 to 64 years, United Kingdom, 2021 to 2022. Income is adjusted for household size to reflect economies of scale.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

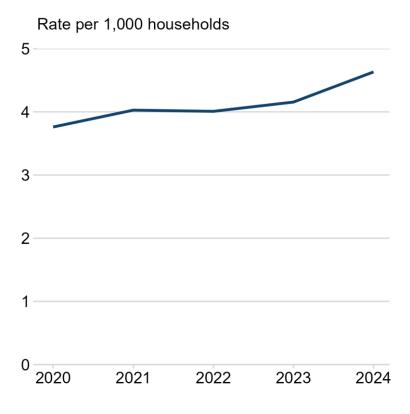
Screening and vaccination

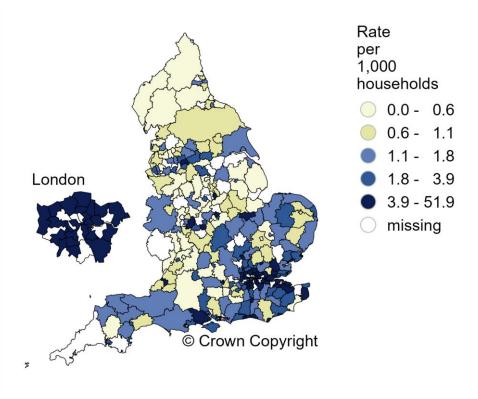
References

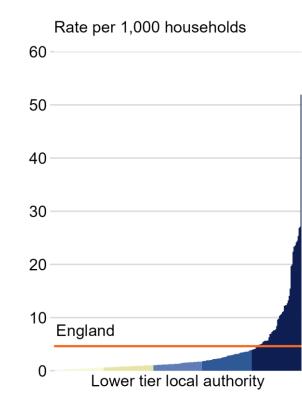


Statutory homelessness has risen and is particularly high in London and the South East.

Figure 4.32 Homelessness







Statutory homelessness: Households in temporary accommodation, crude rate per 1,000 estimated total households, for England, between 2019 to 2020 and 2023 to 2024 (left) and for lower tier local authorities, 2023 to 2024 (centre and right). Financial year data ending in the year shown.

Chapter 5

Screening and vaccination





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Maternal and child health

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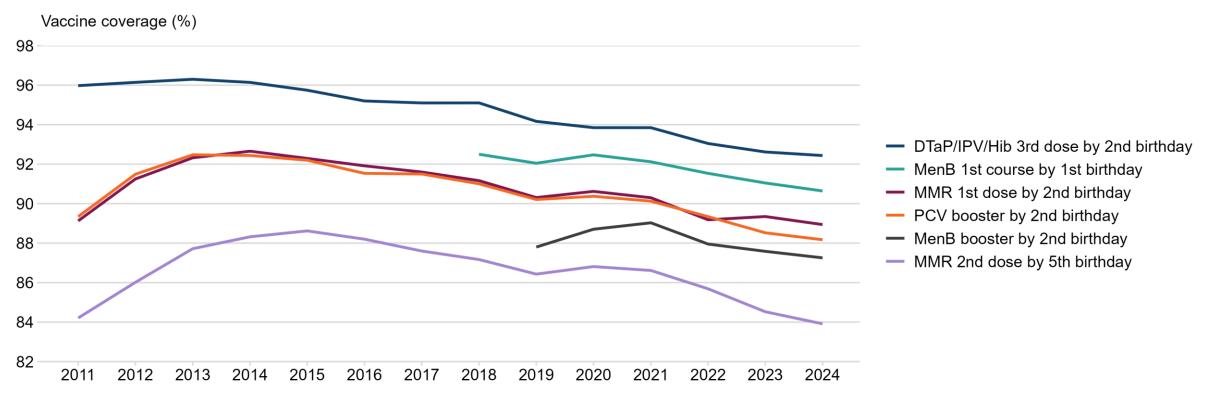
Screening and vaccination

References



The proportion of children vaccinated has been gradually decreasing from a high initial level.

Figure 5.1 Childhood vaccination coverage



Percentage of children vaccinated by their first, second or fifth birthday, England, between 2010 to 2011 and 2023 to 2024. Financial year data ending in the year shown. Dtap/IPV/Hib: Diphtheria, tetanus, pertussis (whooping cough), polio, and Haemophilus influenzae type b (Hib). MenB: Meningitis B. MMR: Measles, mumps and rubella. PCV: Pneumococcal polysaccharide vaccine.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

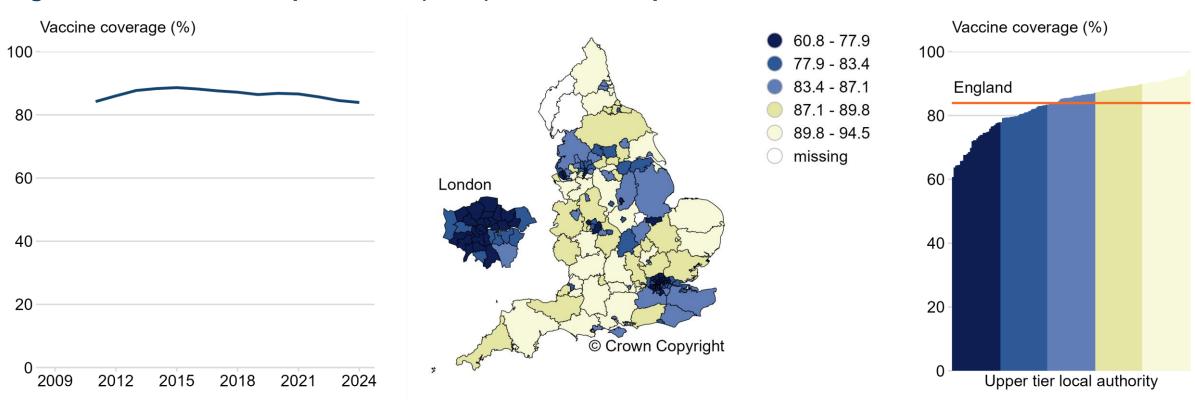
Screening and vaccination

References



There is significant local variation in MMR uptake with overall rates slowly declining over the last decade.

Figure 5.2 Measles, mumps, rubella (MMR) vaccination uptake



Percentage of children receiving 2 doses of measles, mumps and rubella (MMR) vaccine by their fifth birthday, for England, between 2010 to 2011 and 2023 to 2024 (left) and for upper tier local authorities, 2023 to 2024 (centre and right). Financial year data ending in the year shown.

Life expectancy and population change Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

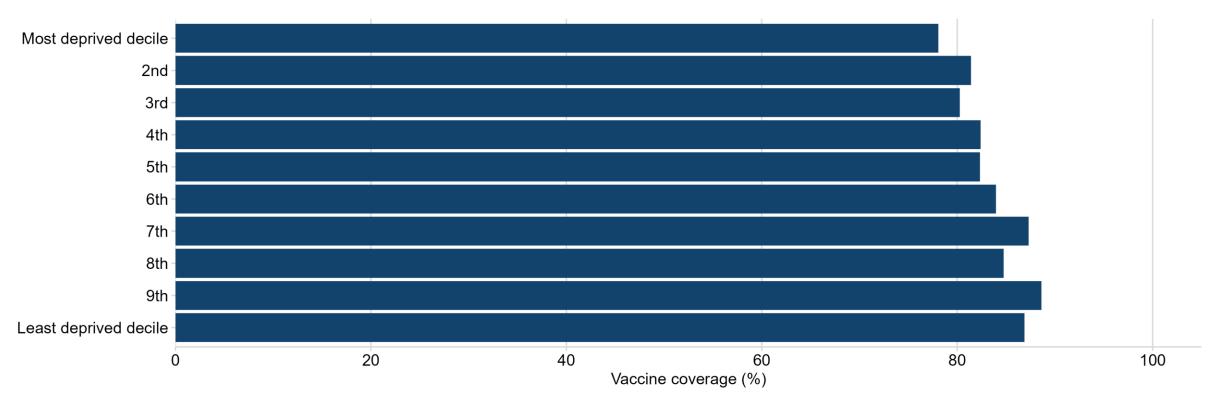
Screening and vaccination

References



In 2023 to 2024, there was lower uptake of the MMR vaccine in the most deprived areas.

Figure 5.3 Measles, mumps, rubella (MMR) vaccination uptake by deprivation



Percentage of children receiving 2 doses of measles, mumps and rubella (MMR) vaccine by their fifth birthday, for upper tier local authority based Index of Multiple Deprivation (IMD) deciles. England, financial year 2023 to 2024.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

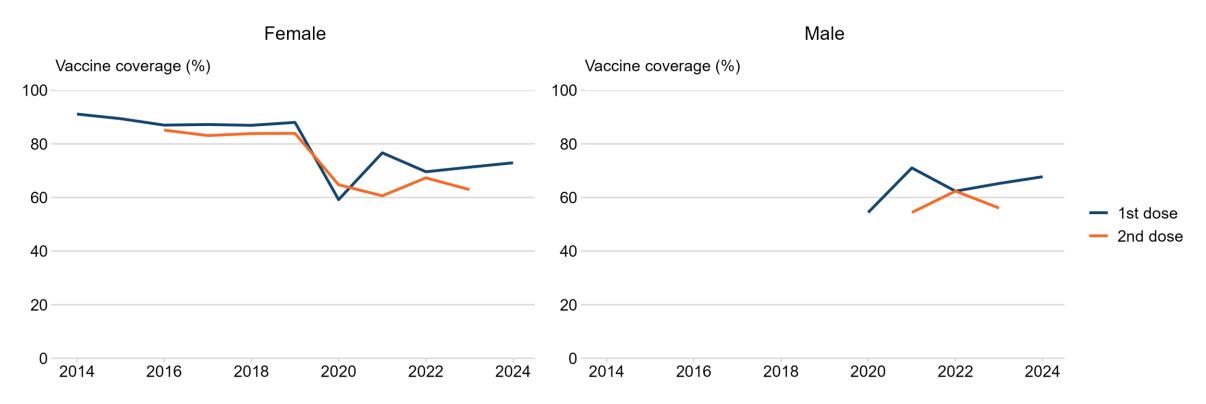
Screening and vaccination

References



In recent years, uptake of the HPV vaccine among females has been lower than the years before the COVID-19 pandemic.

Figure 5.4 Human papillomavirus (HPV) vaccination uptake



Percentage of children receiving first dose (by age 12 to 13) and second dose (by age 13 to 14) of human papillomavirus (HPV) vaccine, by sex, England, between 2013 to 2014 and 2023 to 2024. In England, the human papillomavirus (HPV) vaccine has been offered in school year 8 to girls since September 2008 and boys since September 2019. Financial year data ending in the year shown.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

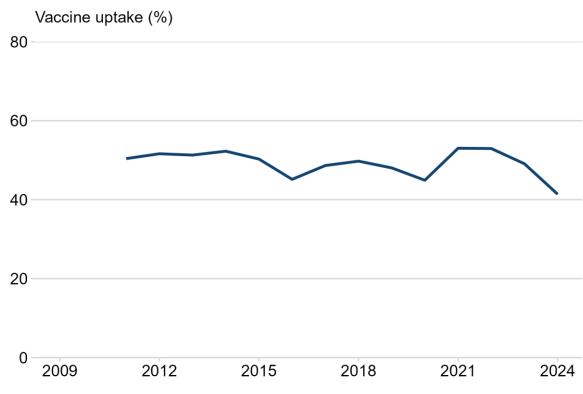
Screening and vaccination

References



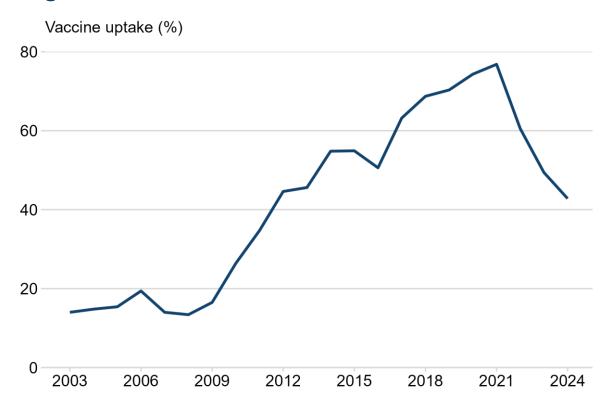
Flu vaccine uptake has decreased since 2020 to 2021.

Figure 5.5 Flu vaccination in at-risk groups



Percentage of at-risk individuals aged 6 months to 65 years (excluding pregnant women) receiving flu vaccine, England, between 2010 to 2011 and 2023 to 2024. Winter seasons ending in the year shown.

Figure 5.6 Flu vaccination in healthcare workers



Percentage of frontline healthcare workers (HCW) in NHS trusts with direct patient care receiving seasonal flu vaccine, England, between 2002 to 2003 and 2023 to 2024. Winter seasons ending in the year shown. In 2009 to 2010 the Healthcare Workers vaccine uptake survey expanded from acute trust only to include other Trusts, such as ambulance, mental health, and primary care trusts.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

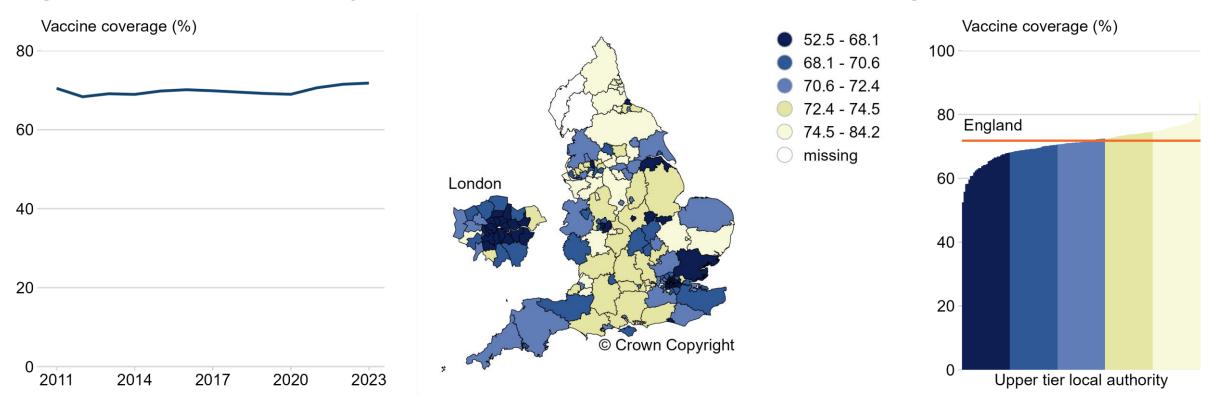
Screening and vaccination

References



Pneumococcal polysaccharide vaccination (PPV) uptake has remained consistent, with significant regional variation.

Figure 5.7 Pneumococcal polysaccharide vaccination (PPV) uptake in adults aged 65 and over



Percentage of adults aged 65 and over receiving pneumococcal polysaccharide vaccine (PPV), for England, between 2010 to 2011 and 2023 to 2024 (left) and for upper tier local authorities, 2023 to 2024 (centre and right). Financial year data ending in the year shown.

Life expectancy and population change Mortality and morbidity

Maternal and child health

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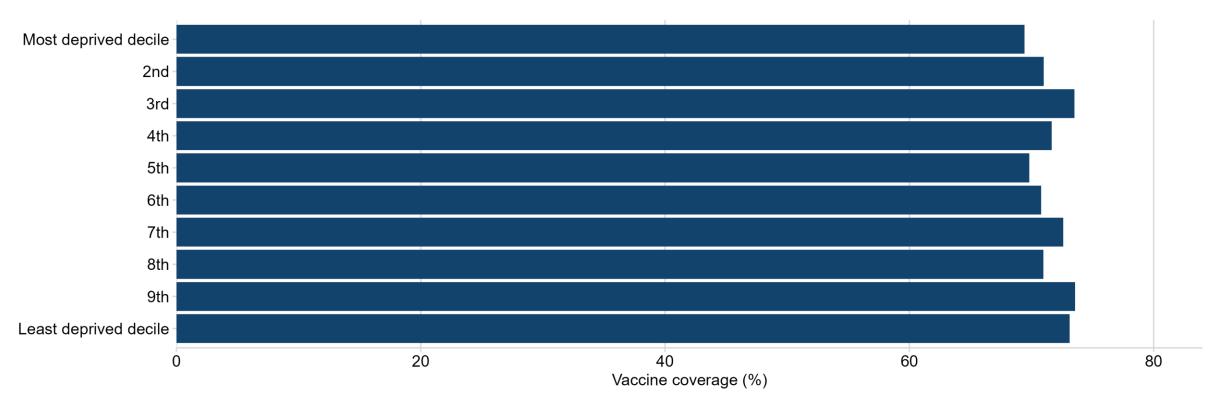
Screening and vaccination

References



In 2023 to 2024, pneumococcal polysaccharide vaccination (PPV) uptake was broadly the same across different areas of deprivation.

Figure 5.8 Pneumococcal polysaccharide vaccination (PPV) uptake in adults aged 65 and over by deprivation



Percentage of adults aged 65 and over receiving pneumococcal polysaccharide vaccine (PPV), for upper tier local authority based Index of Multiple Deprivation (IMD) deciles, England, financial year 2022 to 2023.

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morbidity

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Screening and vaccination

References

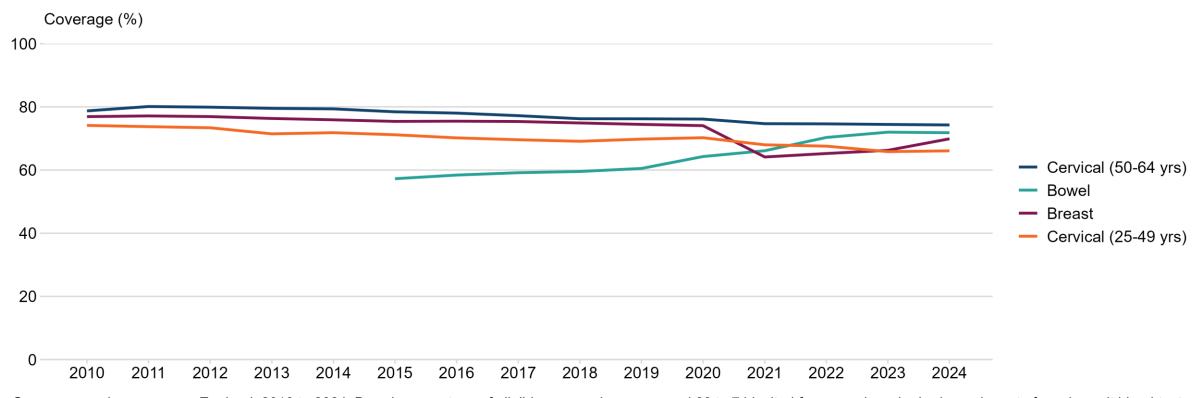


Cervical and breast screening coverage has declined. There were improvements in bowel cancer screening coverage which have recently stalled.

Figure 5.9 Cancer screening coverage

Life expectancy and

population change



Cancer screening coverage, England, 2010 to 2024. Bowel: percentage of eligible men and women aged 60 to 74 invited for screening who had an adequate faecal occult blood test (FOBt) screening result in the previous 30 months. Breast: The percentage of women eligible for screening who have had a test with a recorded result at least once in the previous 36 months. Cervical: The percentage of women eligible for cervical screening aged 25 to 49 years who were screened adequately within the previous 3.5 years, or aged 50 to 64 years who were screened adequately within the previous 5.5 years.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

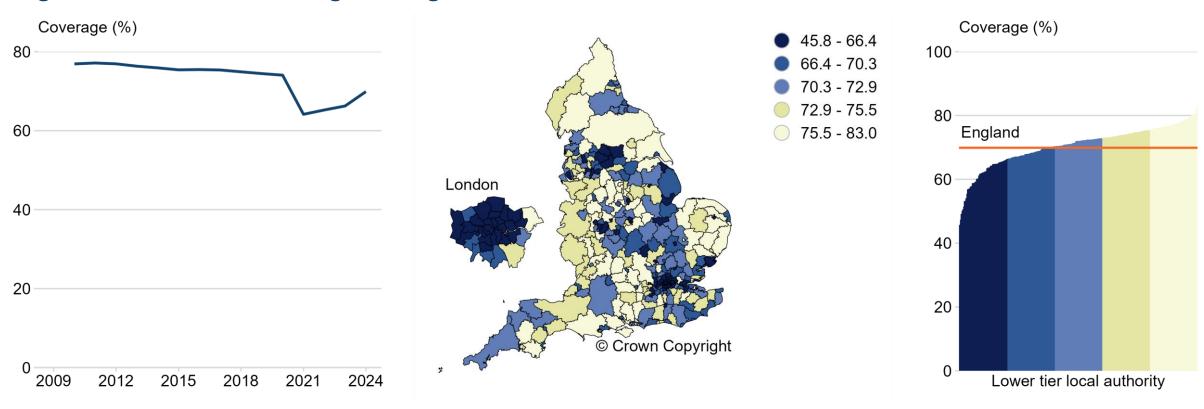
Screening and vaccination

References



Breast cancer screening coverage has gradually declined. There was a significant decrease during the COVID-19 pandemic which is now recovering.

Figure 5.10 Breast screening coverage



Percentage of women eligible for breast cancer screening who have had a test with a recorded result at least once in the previous 36 months, for England, 2010 to 2024 (left) and for lower tier local authorities, 2024 (centre and right).

Mortality and morbidity

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Risk factors and wider determinants

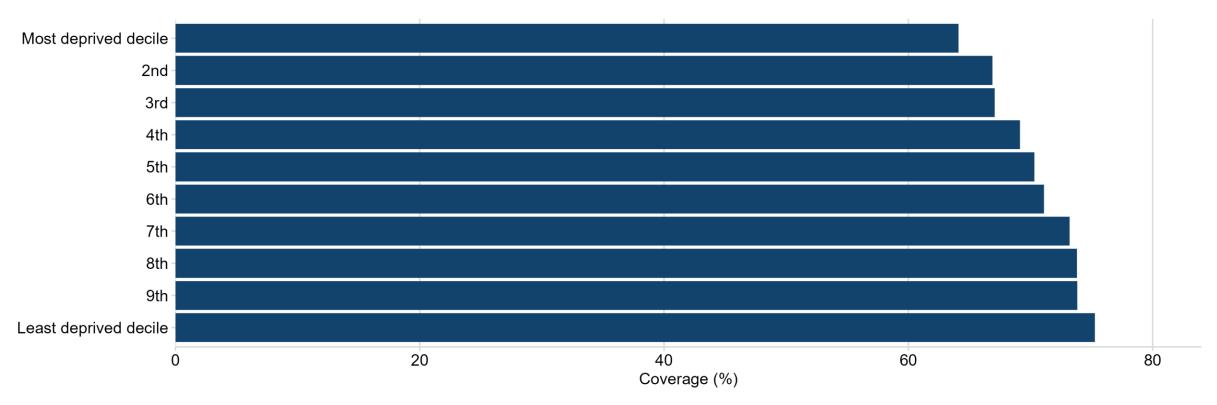
Screening and vaccination

References



In 2024, less deprived areas had higher rates of breast screening uptake.

Figure 5.11 Breast screening coverage by deprivation



Percentage of women eligible for breast cancer screening who have had a test with a recorded result at least once in the previous 36 months for lower tier local authority based Index of Multiple Deprivation (IMD) deciles, England, 2024.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

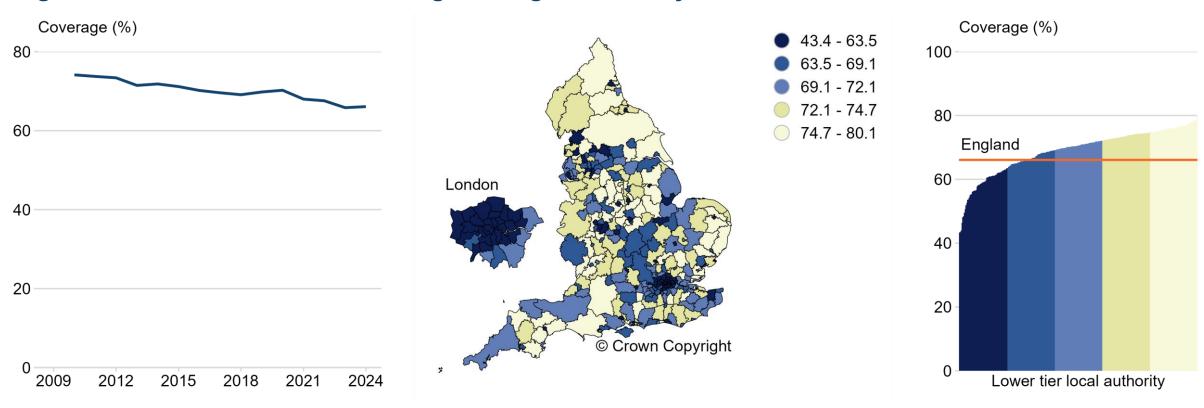
Screening and vaccination

References



The proportion of eligible women aged 25 to 49 years screened for cervical cancer reduced between 2010 and 2024.

Figure 5.12 Cervical cancer screening coverage - 25 to 49 years



Percentage of women eligible for cervical screening and aged 25 to 49 years at the end of the period reported who were screened adequately within the previous 3.5 years, for England, 2010 to 2024 (left) and for lower tier local authorities, 2024 (centre and right).

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

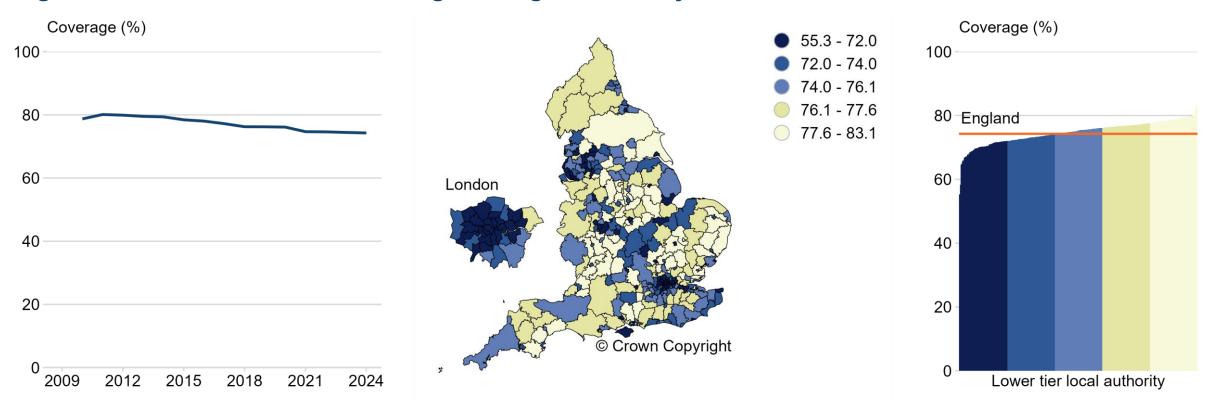
Screening and vaccination

References



The proportion of eligible women aged 50 to 64 years screened for cervical cancer has reduced in the last decade.

Figure 5.13 Cervical cancer screening coverage - 50 to 64 years



Percentage of women eligible for cervical screening and aged 50 to 64 years at the end of the period reported who were screened adequately within the previous 5.5 years, for England, 2010 to 2024 (left) and for lower tier local authorities, 2024 (centre and right).

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

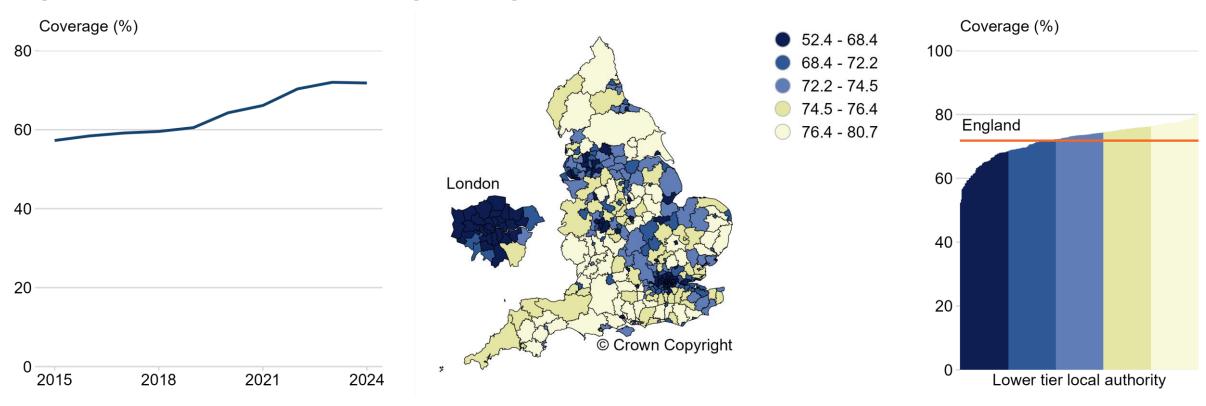
Screening and vaccination

References



Bowel cancer screening coverage has improved over the last decade although this has levelled off recently. There is significant geographical variation.

Figure 5.14 Bowel cancer screening coverage



Percentage of eligible men and women aged 60 to 74 invited for bowel cancer screening who had an adequate faecal occult blood test (FOBt) screening result in the previous 30 months, for England, 2015 to 2024 (left) and for lower tier local authorities, 2024 (centre and right).

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

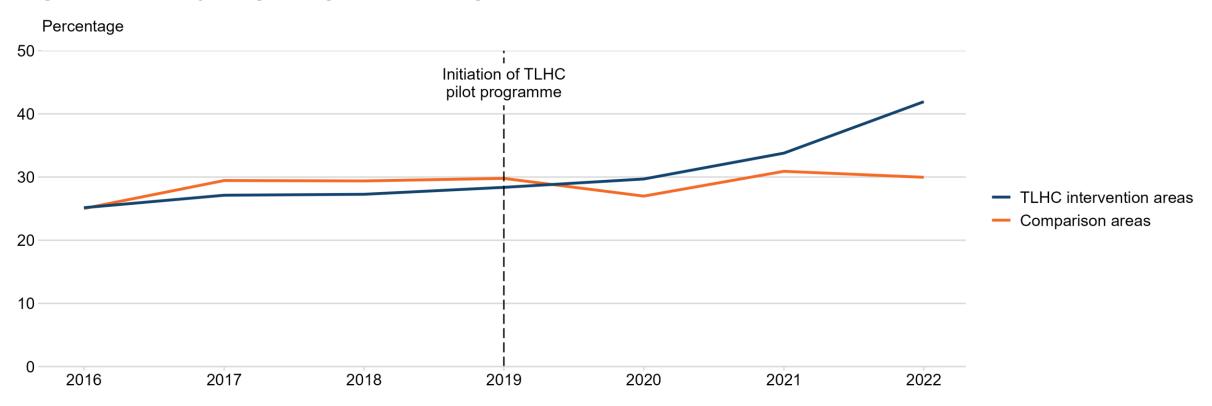
Screening and vaccination

References



After 2019, the proportion of lung cancer diagnoses in people aged 55 to 76 that were made at an early stage was higher in pilot targeted screening areas than in comparison areas.

Figure 5.15 Early stage diagnosis of lung cancer



Percentage of new lung cancer diagnoses in persons aged 55 to 76 that were diagnosed at stages 1 or 2 in targeted lung health check (TLHC) pilot programme areas compared with matched comparison areas, 2016 to 2022.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

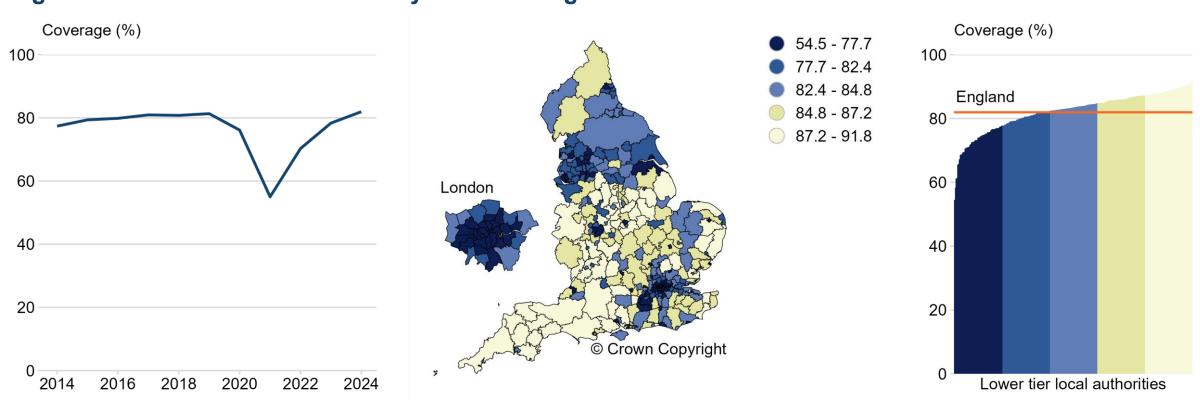
Screening and vaccination

References



Abdominal aortic aneurysm screening fell during the COVID-19 pandemic then recovered to a similar level.

Figure 5.16 Abdominal aortic aneurysm screening



Percentage of men eligible for abdominal aortic aneurysm screening who were conclusively tested, for England, between 2013 to 2014 and 2023 to 2024 (left), and for lower tier local authorities, 2023 to 2024 (centre and right). Financial year data ending in the year shown.

Mortality and morbidity

Maternal and child health

Risk factors and wider determinants

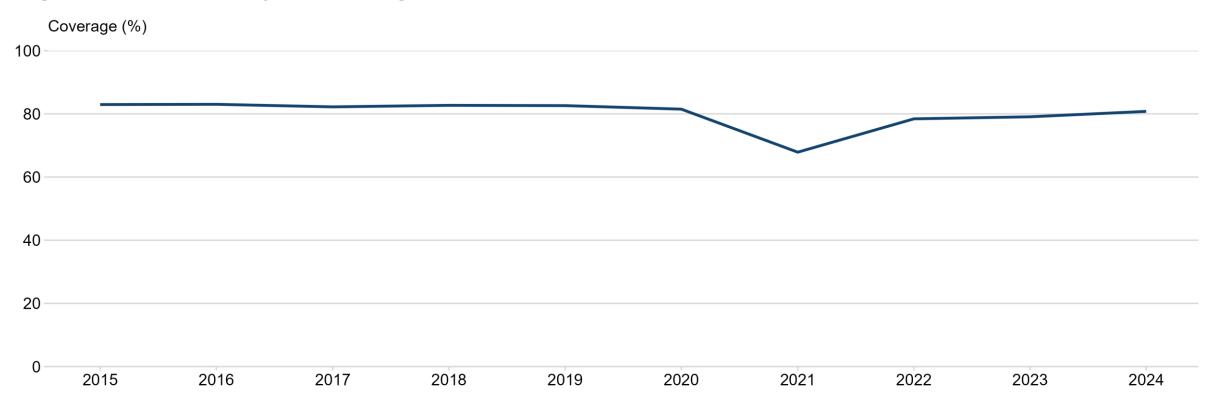
Screening and vaccination

References



Diabetic eye screening coverage reduced during the COVID-19 pandemic, but has recovered to a similar level.

Figure 5.17 Diabetic eye screening



Percentage of those offered a routine diabetic eye screening appointment who attended and completed a routine digital screening event where images were captured, England, between 2014 to 2015 and 2023 to 2024. Financial year data ending in the year shown.



Abbreviations (1 of 2)

Health trends and variation in England, 2025

BMI	Body Mass Index	HPV	Human Papillomavirus
C. difficile	Clostridioides difficile	HSE	Health Survey for England
CHD	Coronary Heart Disease	IHME	Institute for Health Metrics and Evaluation
CMO	Chief Medical Officer	IMD	Index of Multiple Deprivation
COPD	Chronic Obstructive Pulmonary Disease	LFS	Labour Force Survey
CVD	Cardiovascular Disease	LGV	Lymphogranuloma Venereum
DALY	Disability Adjusted Life Year	MBRRACE-UK	Mothers and Babies: Reducing Risk through
DDD	Defined Daily Doses	MBINIVACE-OIX	Audits and Confidential Enquiries across the UK
DTaP/IPV/Hib	Diphtheria, Tetanus, Pertussis (whooping cough),	MenB	Meningitis B
D IAF/IF V/HID	Polio, and Haemophilus influenzae type b (Hib)	MMR	Measles, Mumps, Rubella
ESPAUR	English Surveillance Programme for Antimicrobial	MRSA	Methicillin-Resistant Staphylococcus Aureus
LOTATION	Utilisation and Resistance	NCMP	National Child Measurement Programme
FOBt	Faecal Occult Blood test	NDA	National Diabetes Audit
GBD	Global Burden of Disease	NDRS	National Disease Registration Service
HCW	Healthcare workers	NSGI	Non-specific Genital Infection
Hib	Haemophilus influenzae type b	OFCD	Organisation for Economic Co-operation and
HIV	Human Immunodeficiency Virus	OECD	Development





Abbreviations (2 of 2)

OHID Office for Health Improvement and Disparities

µg/m3

Micrograms per cubic meter

2025

ONS Office for National Statistics

PCV Pneumococcal Conjugate Vaccine

PID Pelvic Inflammatory Disease

PM Particulate Matter

PPV Pneumococcal Polysaccharide Vaccine

QOF Quality and Outcomes Framework

RIDDOR Reporting of Injuries, Diseases and Dangerous

Occurrences Regulations

STI Sexually Transmitted Infection

TB Tuberculosis

TIA Transient Ischaemic Attack

TLHC Targeted Lung Health Check

UKHSA UK Health Security Agency,

VOC Volatile Organic Compounds

YLDs Years Lived with Disability



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