

JSNA

POWER BI DASHBOARD

A simple user guide to help you navigate the JSNA Power BI Dashboards
so you can easily access the health data you need when you need it

USER GUIDE
2025

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2. 'WELCOME HOME'

Everything you need to know about the JSNA Power BI Dashboard Homepage so you can navigate to the data you need.

This is what the home page of the JSNA Power BI Dashboards looks like and this is your starting point:

Click on the menu icon to access everything



JSNA Gloucestershire Health Inequalities

JSNA

Health + Care + Wellbeing

Health inequalities are preventable and unjust differences in health status experienced by certain population groups. They arise from social inequalities, themselves the result of unequal distribution of factors influencing health, such as housing, environment, social background, income, employment and education. Inequalities can be identified according to where people live, and that this is particularly true in some areas where there are high levels of deprivation and need; but there are also inequalities between genders, ethnicities, ages and abilities that we need to tackle.

The Health Inequalities Dashboard provides information to monitor progress on reducing inequalities within Gloucestershire across a range of themes.

Contents

summary tables:

these pages compare the districts against the county and national average, plus local geographies mapped for each indicator.

Click here for the latest values for Gloucestershire and the districts compared to the England average

Gloucestershire compared with England

Click here for the latest values for districts compared to Gloucestershire

Districts compared with Gloucestershire County

health inequalities themes:

All the indicators under the main topic are split into various themes

local level, for latest val
trends over time.

Life Expectancy

Best Start in Life

Education and Attainment

Employment and Work

Healthy Standard of Living

Healthy Places

III Health Prevention

Cancer and Screening

Click on a theme to narrow your search

help and guidance:

View these pages for guidance on how to use and interpret the visuals and indicators in the report.

User Guide

Definitions

This report was last refreshed on 18/06/2025. Please note that not all indicators will have updated following this refresh - please see the Definitions for detail of each dataset's update frequency.

Version: 3 | IDAP Environment Pre-Production | Status:

This report user guide provides guidance on how to interpret elements of the report

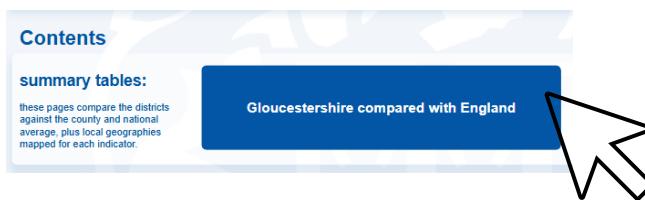
Here you will find a table of definitions, rationale and data sources

Inform Gloucestershire

3. SUMMARY TABLES (TARTAN RUGS) - GLOUCESTERSHIRE COMPARED WITH ENGLAND AND DISTRICTS COMPARED WITH GLOUCESTERSHIRE

Let's start by looking at the summary tables (tartan rugs). There are two choices 'Gloucestershire compared with England' and 'Districts compared with Gloucestershire'. You will navigate them both in the same way but in this example we are looking at 'Gloucestershire compared with England' and by selecting this, it will show all the indicators within the chosen topic at Gloucestershire level, compared to the England average. This is also known as a 'Tartan Rug' as it highlights values in red, amber or green to show any significance when compared to the national average.

Click on the 'Gloucestershire compared with England' button on the homepage to take a look...



You will then see a page that looks like the below. The areas in bright yellow will explain the various sections.

Tartan Rug - England
Latest values for Gloucestershire and districts compared to the England average

The aim of this page: To compare Gloucestershire and districts compare to the national average, for all indicators in this report.

Drop downs: Use these to filter by theme, specific indicator or significance compared to England

Indicator

Compared to England Significance

Colour key

If you use the drop downs, the list of indicators will change accordingly in the table below

How Gloucestershire and its districts perform against the England average
Hover over symbols for more information and select 'drill through' to see more detail

How does Gloucestershire compare to England?
number of indicators performing similarly, better or worse compared to England

This table shows the number of indicators for each district that are performing similarly, better or worse compared to England

Pop-out table

Toggle to turn confidence intervals on/off

Theme **Indicator** **Gloucester shire** **England** **Rank Compared to Nearest Neighbour (1 is best out of 15)** **Trend Compared to Previous Period** **Cheltenham** **Cotswold** **For esh Dea**

Theme	Indicator	Gloucester shire	England	Rank Compared to Nearest Neighbour (1 is best out of 15)	Trend Compared to Previous Period	Cheltenham	Cotswold	For esh Dea
Education and Attainment	16-17 Year Olds Not in Education, Employment or Training 2023/24	3.6%	5.4%	3	●			
Health Prevention	Adult Loneliness 2021/22 - 22/23	8.26%	6.83%	7	●			
Health	Values for Gloucestershire, England and Districts for each indicator (Tartan Rug)	83.99%	84.46%	4	●	51.76%	60.59%	66
Healthy Places	Average Anxiety Score 2022-23	5.78	6.97	6	○	5.99	5.8	
Education and Attainment	Average Attainment 8 Score (Free School Meals) 2023/24	34.8	34.7	1	○	31.7	34.3	
Education and Attainment	Average Attainment 8 Score 2023/24	50.2	46.1	1	○	53.4	51.2	
Healthy Places	Average Happiness Score 2022-23	7.36	7.38	11	●	7.73	7.49	
Healthy Places	Average Life Satisfaction Score 2022-23	7.44	7.44	11	●	7.41	7.53	
Healthy Places	Average Worthwhile Score 2022-23	7.73	7.73	12	●	7	Data Sources	
Cancer and Screening	Bowel Cancer Screening Coverage 2024	76.3%	71.81%	2	●	74.81%	70.00%	70
Cancer and Screening	Breast Cancer Screening Coverage 2024	73.98%	69.89%	5	○	74.19%	77.54%	73

Trend Compared to Previous Period Key: ● Better ○ Similar ● Worse ○ Unable to Compare

Data Sources:
Extracted from PHOF, OHD. Derived from Figures calculated by Office for Health Improvements and Disparities using mortality data and mid year population estimates from the Office for National Statistics and Index of Multiple Deprivation 2010, 2015 and 2019 (IMD)

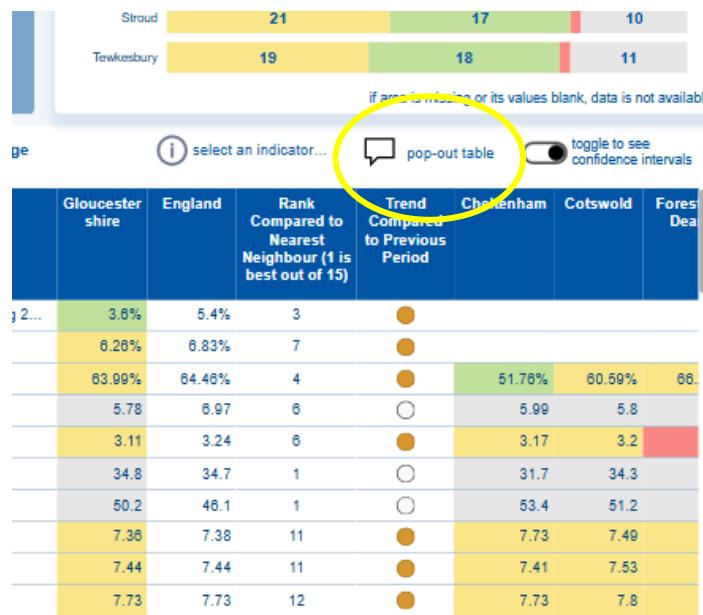
Indicator Description:
This indicator measures inequalities in life expectancy at birth within England as a whole, each English region, and each local authority. Life expectancy at birth is calculated for each deprivation decile of lower super output areas within each area and then the slope index of inequality (SII) is calculated based on these figures. The SII is a measure of the social gradient in life expectancy, i.e. how much life expectancy varies with deprivation. It takes account of health inequalities across the whole range of deprivation within each area and is expressed this as a single number. This represents the mean in years of life expectancy across the social gradient from most to least deprived. However it is a statistical measure of the relationship between life expectancy and deprivation.

Version: 3 | IDAP Environment: Pre-Production | Status: In Development

Inform Gloucestershire

4. THE POP-OUT TABLE

You can view the summary table indicators on their own by selecting 'pop-out table'. This will give you a bigger table and if you hover over the symbols, it will provide more information.



Example of the pop-out table:

Detailed view of how Gloucestershire and its districts performed against the England average
hover over symbols for more information

close

Theme	Indicator	Gloucester shire	England	Rank Compared to Nearest Neighbour (1 is best out of 15)	Trend Compared to Previous Period	Cheltenham	Cotswold	Forest of Dean	Gloucester	Stroud	Tewkesbury
Life Expectancy	Excess Under 75 Mortality Rate - Severe Mental Illness 2021...	538.2	383.7	14	●						
Life Expectancy	Inequality in Healthy Life Expectancy at Birth (Female) 2009 - ...	10.96		6	○						
Life Expectancy	Inequality in Healthy Life Expectancy at Birth (Male) 2009 - 13	11.18		7	○						
Life Expectancy	Inequality in Life Expectancy at Birth (Female) 2021 - 23	6.61		7	●	9.59	1.69	2.79	8.07	4.11	5.93
Life Expectancy	Inequality in Life Expectancy at Birth (Male) 2021 - 23	8.22		6	●	11.32	1.42	5.37	11.8	4.12	7.61
Life Expectancy	Under 75 Mortality Rate from All Causes (county and district) ...	302.92	341.57	6	●	326.18	253.74	295.61	398.37	291.93	246.64
Life Expectancy	Under 75 Mortality Rate from All Causes (ward) 2016 - 20	89.33	100	8	○	95.69	72.65	85.39	114.68	82.63	83.16
Life Expectancy	Under 75 Mortality Rate from Cancer (county and district) 2023	109.52	120.77	2	●	120.19	99.78	95.57	127.89	117.54	91.53
Life Expectancy	Under 75 Mortality Rate from Cancer (ward) 2016 - 20	92.26	100	7	○	95.61	81.26	94.45	103.97	87.22	91.47
Life Expectancy	Under 75 mortality Rate from Circulatory Disease (county an...	72.39	77.44	8	●	76.62	63.76	76.55	102.48	57.3	62.79
Life Expectancy	Under 75 Mortality Rate from Circulatory Disease (ward) 201...	85.72	100	7	○	94.1	68.23	79.01	117.51	75.93	78.76
Best Start in Life	Infant Mortality Rate 2021 - 23	3.71	4.06	6	●	2.79	2.36	4.52	4.89	3.29	3.76
Best Start in Life	School Readiness (Free School Meals) 202324	51.03%	51.52%	2	●	51.69%	43.33%	57.29%	55.42%	38.14%	64.86%
Best Start in Life	School Readiness 202324	68.17%	67.68%	6	●	69.11%	73.32%	69.03%	65.59%	67.25%	71.71%
Education and Attainment	16-17 Year Olds Not in Education, Employment or Training 2...	3.6%	5.4%	3	●						
Education and Attainment	Average Attainment 8 Score (Free School Meals) 202324	34.8	34.7	1	○	31.7	34.3	31.8	35.7	34.6	39.2
Education and Attainment	Average Attainment 8 Score 202324	50.2	46.1	1	○	53.4	51.2	44	47	49.4	49.7
Education and Attainment	Permanent School Exclusions 202223	0.11%	0.11%	7	●	0.11%	0.03%	0.14%	0.14%	0.09%	0.1%
Employment and Work	Employed Ethnic Minority Female Population (%) Jan 2024-D...	62.1%	64.2%	11	●	48%					
Employment and Work	Employed Ethnic Minority Male Population (%) Jan 2024-Dec...	67.3%	74.8%	12	●	45.8%					
Employment and Work	Employed Ethnic Minority Population (%) Jan 2024-Dec 2024	64.9%	69.4%	14	●	47%					

5. SPECIFIC INDICATORS IN MORE DETAIL

If you are looking for more information on a particular indicator in the table, simply click on the indicator title, click on 'drill through' and then 'indicator details' as per the image below:

How Gloucestershire and it's districts perform against the England average
hover over symbols for more information and select 'drill through' to see full details

Theme	Indicator	Gloucestershire
Theme Education and Attainment Indicator 18-17 Year Olds Not in Education, Employment or Training 2023/24	Indicator details	20.32% 2021/22 - 23/24

Education and Drill through > Indicator details

III Health Prevention Adult Loneliness 2021/22 - 22/23

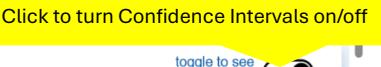


This will take you to a page specifically for the chosen indicator where you can see how Gloucestershire is performing compared to England and our neighbours. Where time series data is available you can also view that here.

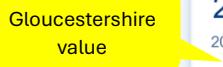
JSNA
Health - Care - Wellbeing

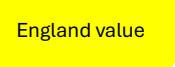
MENU Go Back

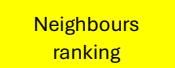
Select a Different Indicator 

Click to turn Confidence Intervals on/off 

toggle to see confidence intervals 

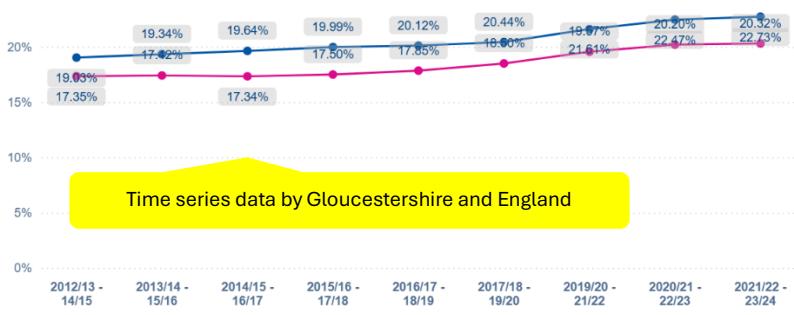
How does Gloucestershire perform?
20.32%  Compared to 2020/21 - 22/23 20.20%
2021/22 - 23/24 Direction of Travel Statistically Similar 

How does Gloucestershire compare to England?
22.73%  Compared to 2020/21 - 22/23 22.47%
England 2021/22 ... County Performance County Significantly Better 

How do we compare to our neighbours?
6  Compared to 2020/21 - 22/23 5
GCC Ranking (1 is best out of 15) Rank worsened by Direction of Travel 

How does Gloucestershire compare nationally?
Year 6: Prevalence of Obesity (Ward)
the lower the result, the better our performance
England Gloucestershire

Time series data by Gloucestershire and England



Year	Gloucestershire (%)	England (%)
2012/13 - 14/15	19.34%	17.02%
2013/14 - 15/16	19.64%	17.35%
2014/15 - 16/17	19.99%	17.34%
2015/16 - 17/18	20.12%	17.50%
2016/17 - 18/19	20.44%	17.85%
2017/18 - 19/20	20.67%	18.00%
2018/19 - 20/21	21.61%	20.44%
2019/20 - 21/22	22.47%	20.20%
2020/21 - 22/23	22.73%	20.32%

Further down the page you can compare Gloucestershire and England to our neighbours or districts by using the buttons on the left-hand side. You can also view the data in a bar graph for a specific year or click the button to view the time series data instead. To choose the relevant 'time period' use the drop-down box to make a selection. You can also use the 'Areas to display' drop-down box to turn areas on and off.

How do we compare to our neighbours?
Year 6: Prevalence of Obesity (Ward) for 2021/22 - 23/24

Time Period:  Areas to display: 

Click to View as a Time Series 

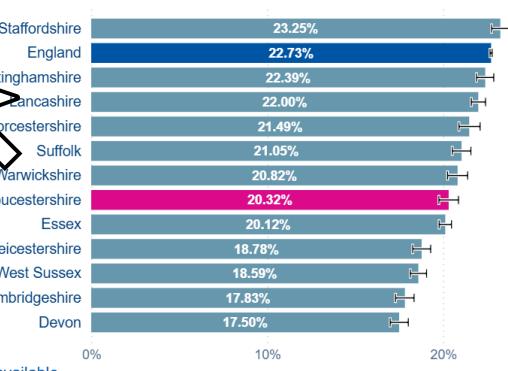
Select areas to compare 

County 

District 

if area is missing, data is not available

%

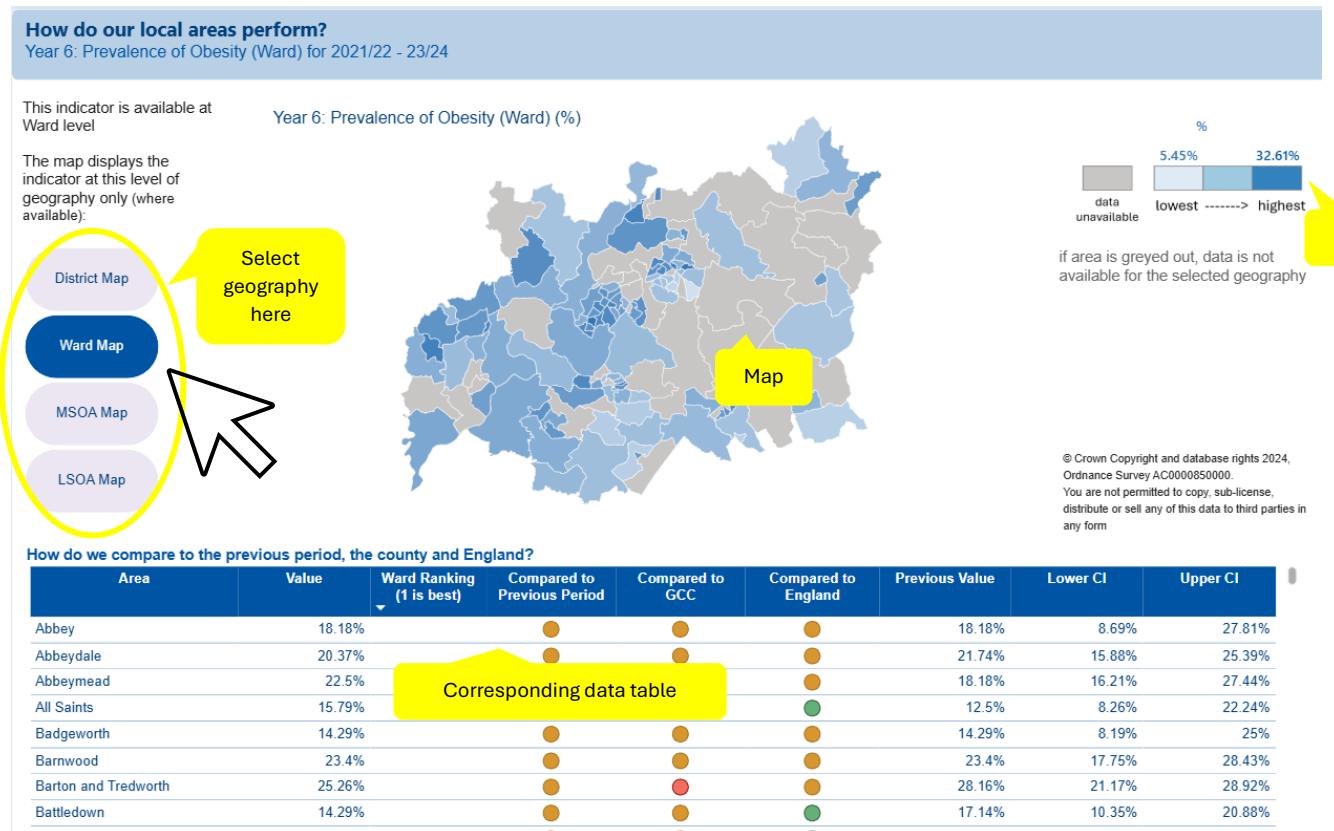


Area	Ranking (1 is best)	Compared to Previous Period	Compared to County	Compared to England	Previous Value
Essex	5				20.31%
Gloucestershire	6				20.2%
Lancashire	10				22.05%
Leicestershire	4				18.47%
Nottinghamshire	11				21.69%
Staffordshire	12				22.36%
Suffolk	8				20.47%
Warwickshire	7				21.01%
West Sussex	3				17.71%
Cambridgeshire	9				21.89%
Devon	17.50%				

6. MAPS

If you scroll down even further on the same page, you will find the data displayed in map form by district, ward, MSOA or LSOA level (if the data is available) along with a corresponding data table. If it is blank that means the data at that geography is not available for that indicator.

Use the buttons on the left-hand side to move between geographies.



7. MENU



To go to the menu, click on the button on the top left of the screen.

This will provide you with a list of options, such as going back to the Tartan Rugs or to select indicators by a theme. You can also access the user guide, definitions and the Homepage from here as well.



8. USER GUIDE

If you click on User Guide on the menu or from the homepage it will take you to a Report User Guide which provides guidance on how to interpret elements of the report, including how comparisons are made, a guide to how colour is used and some helpful tips for getting the most out of the report interactions.

JSNA Gloucestershire
Report User Guide

This page provides guidance on how to interpret elements of this report, including how comparisons are made, a guide to how colour is used and some helpful tips for getting the most out of the report interactions.

For more help and support, please get in touch with informgloucestershire@gloucestershire.gov.uk

Latest Value

This is the latest available value and corresponds to the time period listed at the end of the indicator name (or selected from a drop-down filter). Note that the period that the latest value relates to can be different for each indicator in the report.

Colour assigned is based on statistically significant differences from either the England or Gloucestershire value (described on each page). So even if our Gloucestershire average appears higher than the England average, it may still be yellow because it's taking into consideration confidence intervals.

Indicators that are shaded white are presented in this way because they do not have confidence intervals with which to compare against the benchmark value, and therefore it is not possible to determine whether the local value is statistically significantly higher or lower than the benchmark.

Yellow	No Significant Difference to the National Average
Green	Significantly Better than the National Average
Red	Significantly Worse than the National Average
White	Unable to Compare

Trend Compared to Previous Year

This shows how the latest figure for each level of geography compares to the previous year. The trend is assigned based on statistically significant differences between the two values. Colour assigned is based on statistically significant differences from the previous period. So even if our Gloucestershire average appears to have increased, it may still be yellow because it's taking into consideration confidence intervals.

Indicators that are shaded white are presented in this way because they do not have data available for the previous period, and therefore it is not possible to determine whether the value is statistically significantly higher or lower than the previous year.

- Improved Significantly Compared to Previous Period
- Similar to Previous Period
- Got Significantly Worse Compared to Previous Period
- Unable to Compare

Tartan Rug - England

The aim of this page is to give an 'at a glance' overview of how Gloucestershire and districts compare to the national average, for all indicators in this report.

The main table on this page includes data for all indicators - use the filters at the top of the page to filter this for a specific theme or indicator.

Tartan Rug - Gloucestershire

The aim of this page is to give an 'at a glance' overview of how Gloucestershire districts compare to the Gloucestershire county average, for all indicators in this report.

The main table on this page includes data for all indicators - use the filters at the top of the page to filter this for a specific theme or indicator.

Small Area Geographies

Data is available at England and Gloucestershire levels, as well as district, ward, MSOA (middle super output area) and LSOA (lower super output area) where it's made available.

The 'Indicator' page allows you to explore data down to a district level, whereas the 'Maps' page visualises data down to the lowest level of geography available for each indicator.

Confidence Intervals

A confidence interval is a range of values that is used to show the imprecision or amount of uncertainty in an estimate of a particular value. The upper and lower limits represent the range of the confidence interval either side of the reported value.

You can choose to hide or display the confidence intervals on tables and charts but using the toggle button:

Statistical Neighbours

This shows how Gloucestershire ranks against its 14 statistical neighbours.

These areas not necessarily geographically close to Gloucestershire but they share characteristics which make them statistically similar. Ranks are absolute and do not take into account confidence intervals

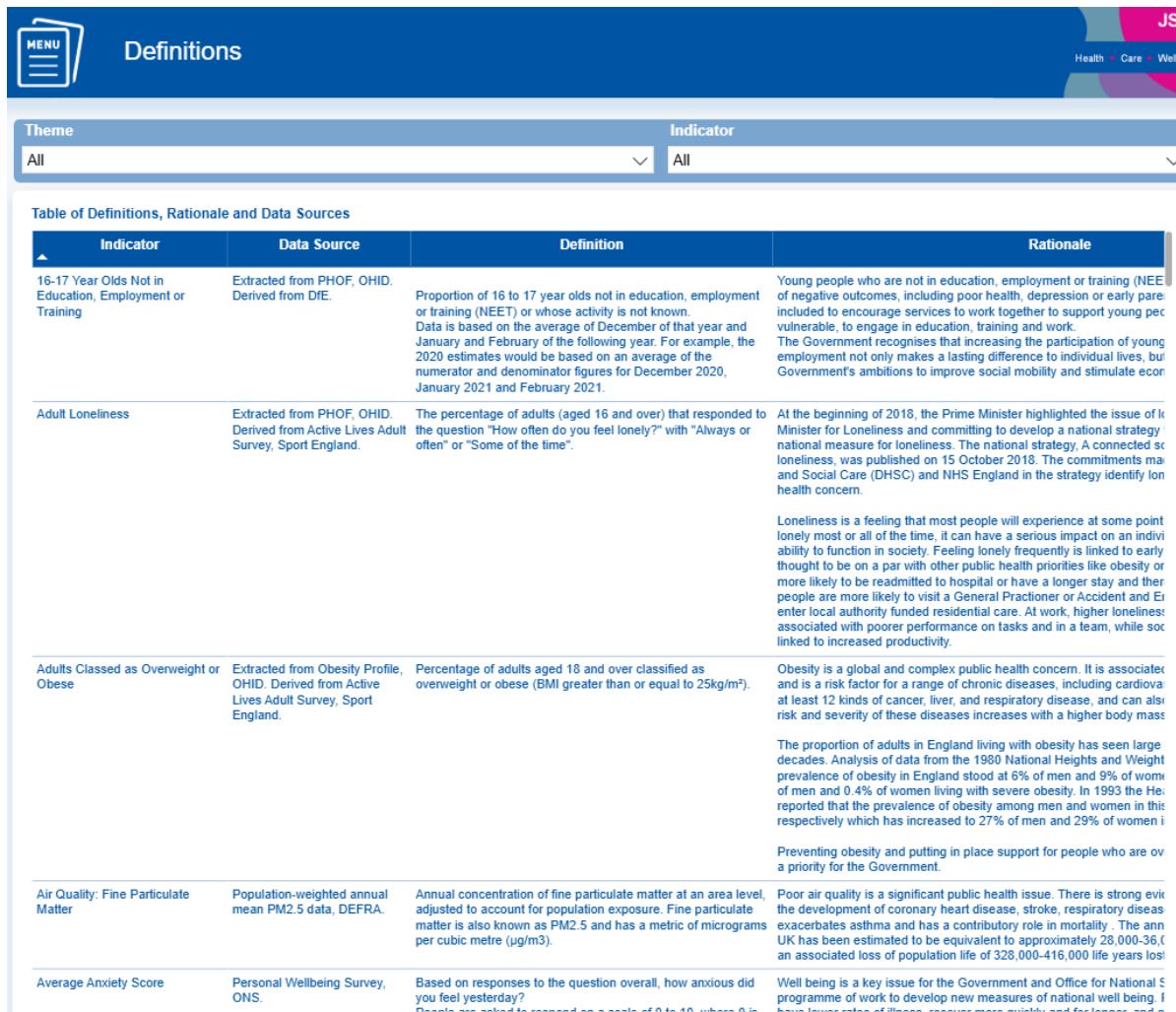
Time Series

The trend is the time series for the Gloucestershire average and the England average. At the bottom of the 'Indicator' page, you can choose to see time series data for statistical neighbours and districts (where available), or use the toggle button to show a comparison geographically for the latest values.

Here, the amount of data will depend on how much data is available.

9. DEFINITIONS

By clicking on definition in the menu tab, this will provide a table of definition, rationale and data sources for all the indicators.



The screenshot shows a web-based 'Definitions' page with a dark blue header. The header includes a 'MENU' icon, the word 'Definitions', and a logo for 'JS' with the text 'Health • Care • Wellbeing' below it. The main content is a table titled 'Table of Definitions, Rationale and Data Sources'.

Table Headers:

- Theme (dropdown: All)
- Indicator (dropdown: All)

Table Columns:

- Indicator:** The indicator name.
- Data Source:** The source of the data.
- Definition:** A detailed description of the indicator.
- Rationale:** The reasons behind the indicator and its importance.

Table Data (Rows):

- 16-17 Year Olds Not in Education, Employment or Training**
 - Data Source:** Extracted from PHOF, OHID. Derived from DfE.
 - Definition:** Proportion of 16 to 17 year olds not in education, employment or training (NEET) or whose activity is not known. Data is based on the average of December of that year and January and February of the following year. For example, the 2020 estimates would be based on an average of the numerator and denominator figures for December 2020, January 2021 and February 2021.
 - Rationale:** Young people who are not in education, employment or training (NEET) are at greater risk of negative outcomes, including poor health, depression or early parenthood. The Government recognises that increasing the participation of young people in education, employment and training not only makes a lasting difference to individual lives, but also supports Government's ambitions to improve social mobility and stimulate economic growth.
- Adult Loneliness**
 - Data Source:** Extracted from PHOF, OHID. Derived from Active Lives Adult Survey, Sport England.
 - Definition:** The percentage of adults (aged 16 and over) that responded to the question "How often do you feel lonely?" with "Always or often" or "Some of the time".
 - Rationale:** At the beginning of 2018, the Prime Minister highlighted the issue of loneliness as a priority for the Government and committing to develop a national strategy. The national strategy, A Connected Community: A National Strategy for Loneliness, was published on 15 October 2018. The commitments made by the Government, including the Department of Health and Social Care (DHSC) and NHS England in the strategy identify loneliness as a health concern.
- Adults Classed as Overweight or Obese**
 - Data Source:** Extracted from Obesity Profile, OHID. Derived from Active Lives Adult Survey, Sport England.
 - Definition:** Percentage of adults aged 16 and over classified as overweight or obese (BMI greater than or equal to 25kg/m²).
 - Rationale:** Obesity is a global and complex public health concern. It is associated with a range of health problems and is a risk factor for a range of chronic diseases, including cardiovascular disease, type 2 diabetes, and some cancers. The risk and severity of these diseases increases with a higher body mass index (BMI).
- Air Quality: Fine Particulate Matter**
 - Data Source:** Population-weighted annual mean PM2.5 data, DEFRA.
 - Definition:** Annual concentration of fine particulate matter at an area level, adjusted to account for population exposure. Fine particulate matter is also known as PM2.5 and has a metric of micrograms per cubic metre (µg/m³).
 - Rationale:** Poor air quality is a significant public health issue. There is strong evidence that exposure to air pollution is linked to the development of coronary heart disease, stroke, respiratory diseases, and exacerbates asthma and has a contributory role in mortality. The annual mean PM2.5 concentration in the UK has been estimated to be equivalent to approximately 26,000-36,000 deaths per year, an associated loss of population life of 328,000-416,000 life years lost.
- Average Anxiety Score**
 - Data Source:** Personal Wellbeing Survey, ONS.
 - Definition:** Based on responses to the question overall, how anxious did you feel yesterday? People are asked to respond on a scale of 0 to 10, where 0 is not at all anxious and 10 is very anxious.
 - Rationale:** Well being is a key issue for the Government and Office for National Statistics (ONS) is leading the way in developing new measures of national well being. The ONS has developed a new measure of well being, which includes measures of physical, mental, and social well being.

10. ADDITIONAL FEATURES

When you hover underneath the confidence intervals toggle, icons will appear to additional features.



You can:

- Pin visual
- Copy as image with caption
- Add alert
- Filters and slicers
- Focus mode
- More options

Indicator Button Name: Smoking prevalence in adults (15+) - current smokers (QOF)

Theme Simple Name: Smoking prevalence

Share, Add alert, Add a comment, Explore this data (preview), Export data, Show as a table, Spotlight, Get insights, Sort axis, Sort legend

11. CONTACT US

For more information, help and support please email inform.glocestershire@glocestershire.gov.uk

