

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

TABLE OF CONTENTS

1. TABLE OF CONTENTS

Find where to look for the guidance you need here.

2. 'WELCOME HOME'

Everything you need to know about the JSNA Power BI Dashboard Homepage

3. SUMMARY TABLES (TARTAN RUGS)

Latest values for Gloucestershire compared to England and Districts compared with Gloucestershire

4. THE POP-OUT TABLE

Look at the indicator table on its own in a bigger format

5. SPECIFIC INDICATORS IN MORE DETAIL

Explore how to look in more detail at individual indicators

6. MAPS

Learn how to navigate between geographies using the maps feature in Power BI

7. MENU

Take a look at the options available in the menu bar

8. USER GUIDE

Find out about the User guide available within the Power BI Dashboard

9. DEFINITIONS

The definition in the menu tab provides a table of definitions, rationales and data sources for all the indicators.

10. ADDITIONAL FEATURES

Find out what other features are available on the dashboard

11. CONTACT US

Please contact us for further information, help and support.

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

The screenshot shows the JSNA Gloucestershire Health Inequalities dashboard homepage. The header features the GCC logo, the title 'JSNA Gloucestershire Health Inequalities', and a 'JSNA' logo with 'Health + Care + Wellbeing' subtext. A yellow arrow points to the 'JSNA Topic Name' in the header.

The main content area includes a paragraph explaining health inequalities and a link to the Health Inequalities Dashboard. Below this is a 'Contents' section with 'summary tables:' and two buttons: 'Gloucestershire compared with England' and 'Districts compared with Gloucestershire County'. Yellow callouts point to these buttons.

The 'health inequalities themes:' section displays eight thematic tiles: Life Expectancy, Best Start in Life, Education and Attainment, Employment and Work, Healthy Standard of Living, Healthy Places, Ill Health Prevention, and Cancer and Screening. A yellow callout points to this section, and another points to one of the tiles.

The 'help and guidance:' section contains 'User Guide' and 'Definitions' buttons. Yellow callouts point to these buttons.

The footer includes a version notice, a user guide description, a definitions table description, and the 'Inform Gloucestershire' logo.

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.

Contents

summary tables:

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

Gloucestershire compared with England

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

The aim of this page is to show how Gloucestershire and its 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

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

Area	Similar	Better	Worse	Total
Cheltenham	28	12	9	49
Cotswold	22	17	10	49
Forest of Dean	28	8	3	39
Gloucester	26	7	6	39
Stroud	21	17	1	39
Tewkesbury	19	18	2	39

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

Pop-out table

Toggle to turn confidence intervals on/off

Theme	Indicator	Gloucestershire	England	Rank Compared to Nearest Neighbour (1 is best out of 15)	Trend Compared to Previous Period	Cheltenham	Cotswold	Forest of Dean
Education and Attainment	16-17 Year Olds Not in Education, Employment or Training 2021-22	3.6%	5.4%	3	●			
Health Prevention	Adult Loneliness 2021/22 - 22/23	6.26%	6.83%	7	●			
Health Prevention	Adult Loneliness 2021/22 - 22/23	63.99%	64.46%	4	●	51.76%	60.59%	68.00%
Healthy Places	Average Anxiety Score 2022-23	5.78	6.97	6	○	5.99	5.8	5.5
Healthy Places	Average Anxiety Score 2022-23	3.11	3.24	6	●	3.17	3.2	3.1
Education and Attainment	Average Attainment 8 Score (Free School Meals) 2023/24	34.8	34.7	1	○	31.7	34.3	34.0
Education and Attainment	Average Attainment 8 Score 2023/24	50.2	46.1	1	○	53.4	51.2	48.0
Healthy Places	Average Happiness Score 2022-23	7.36	7.38	11	●	7.73	7.49	7.2
Healthy Places	Average Life Satisfaction Score 2022-23	7.44	7.44	11	●	7.41	7.53	7.3
Healthy Places	Average Worthwhile Score 2022-23	7.73	7.73	12	●	7.7	7.7	7.6
Cancer and Screening	Bowel Cancer Screening Coverage 2024	76.3%	71.81%	2	●	74.81%	77.65%	76.0%
Cancer and Screening	Breast Cancer Screening Coverage 2024	73.98%	69.89%	5	●	74.19%	77.54%	73.0%

Values for Gloucestershire, England and Districts for each indicator (Tartan Rug)

Data Sources

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

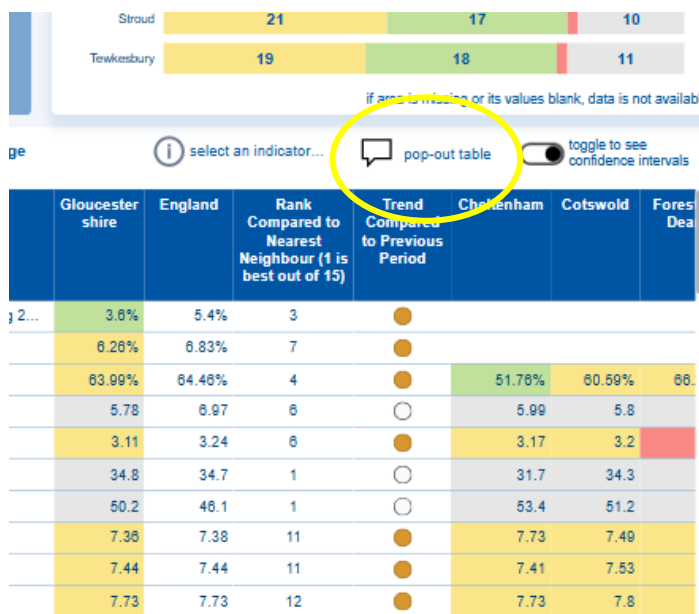
Data Sources:
Extracted from PHOF, CHID. Derived from Figures calculated by Office for Health Improvements and Disparities using mortality data and mid year population estimates from the Office for National Statistics and Index of Multiple Deprivation 2010, 2015 and 2019 (IMD)

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 summarised into a single number. This represents the move in years of life expectancy across the whole range of the relationship between the deprivation deciles. (JDAF 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:

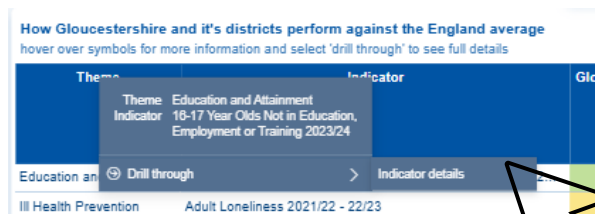
Detailed view of how Gloucestershire and its districts performed against the England average
hover over symbols for more information



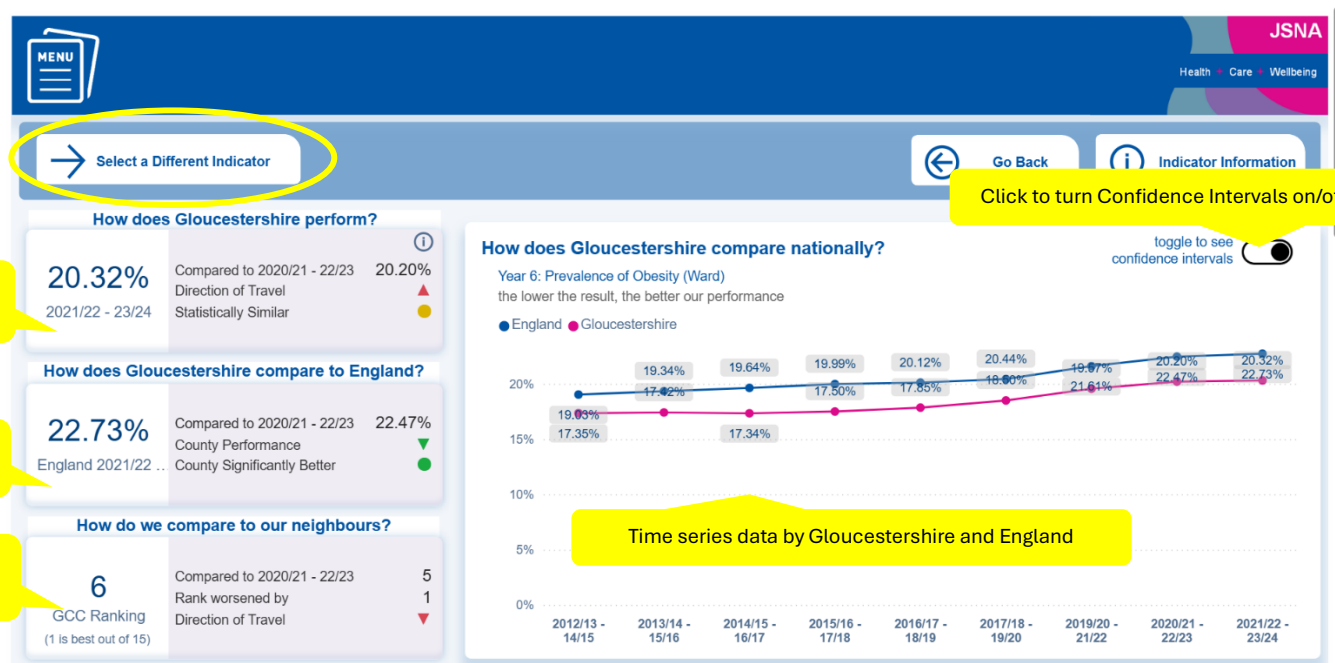
Theme	Indicator	Gloucestershire	England	Rank Compared to Nearest Neighbour (1 is best out of 15)	Trend Compared to Previous Period	Cheltenham	Cotswold	Forest of Dean	Gloucester	Stroud	Tewkesbury
Life Expectancy	Excess Under 75 Mortality Rate - Severe Mental Illness 2021...	538.2	383.7	14	●						
Life 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%			39.3%		
Employment and Work	Employed Ethnic Minority Male Population (%) Jan 2024-Dec...	67.3%	74.8%	12	●	45.8%			100%		78.6%
Employment and Work	Employed Ethnic Minority Population (%) Jan 2024-Dec 2024	64.9%	69.4%	14	●	47%			69.6%	56.3%	87.8%

5. SPECIFIC INDICATORS IN MORE DETAIL

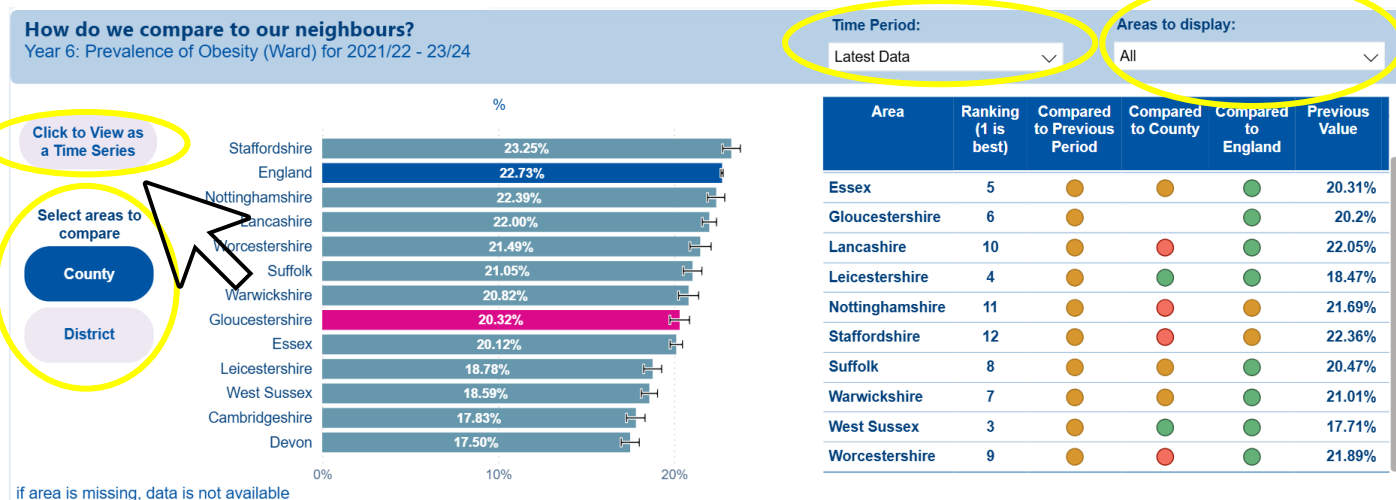
If you are looking for more information on a particular indicator in the table, simply click on the indicator title, click on 'drill through' and then 'indicator details' as per the image below:



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.



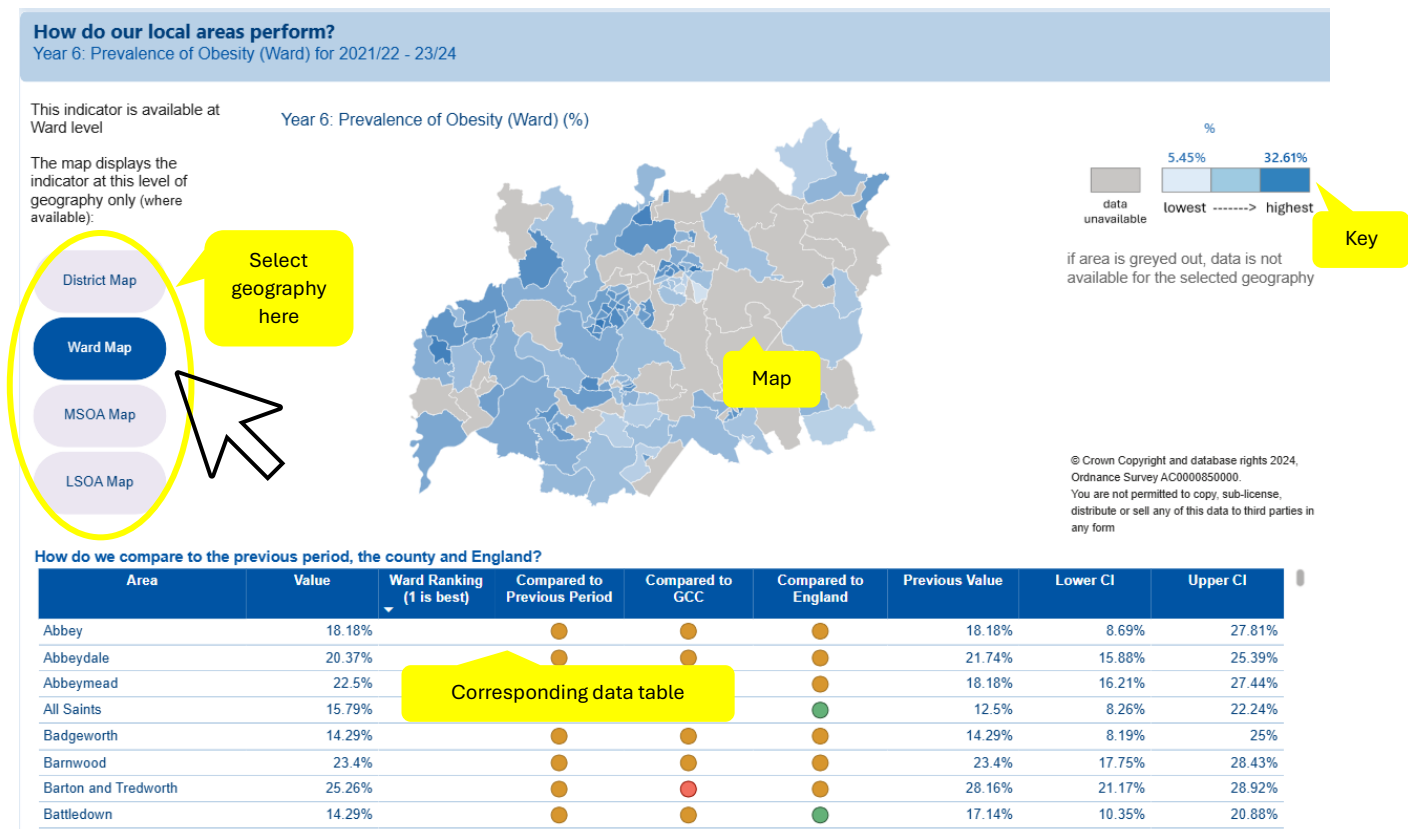
Further down the page you can compare Gloucestershire and England to our neighbours or districts by using the buttons on the left-hand side. You can also view the data in a bar graph for a specific year or click the button to view the time series data instead. To choose the relevant 'time period' use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



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.

Report Pages close menu

- Tartan Rug - England
- Tartan Rug - Gloucestershire
- Life Expectancy
- Best Start in Life
- Education and Attainment
- Employment and Work
- Healthy Standard of Living
- Healthy Places
- Ill Health Prevention
- Cancer and Screening
- User Guide
- Definitions
- Home Page

Obesity (Ward) JSNA
of ill-health prevention
Health Care Wellbeing

Go Back Indicator Information

How does Gloucestershire compare nationally?
toggle to see confidence intervals

Year 6: Prevalence of Obesity (Ward)
the lower the result, the better our performance

Legend: England (blue), Gloucestershire (pink)


Year	England (%)	Gloucestershire (%)
2012/13 - 14/15	19.34%	17.35%
2013/14 - 15/16	19.84%	17.42%
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	20.44%	18.00%
2019/20 - 21/22	20.20%	21.81%
2020/21 - 22/23	20.32%	22.47%
2021/22 - 23/24	20.32%	22.35%

Time Period: Latest Data Areas to display: All

Area	Ranking (1 is best)	Compared to Previous Period	Compared to County	Compared to England	Previous Value
Cambridgeshire	2	●	●	●	17.49%
Devon	1	●	●	●	16.88%
Essex	5	●	●	●	20.31%
Gloucestershire	6	●	●	●	20.2%
Lancashire	10	●	●	●	22.05%
Leicestershire	4	●	●	●	18.47%
Nottinghamshire	11	●	●	●	21.69%
Staffordshire	12	●	●	●	22.36%

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

Health + Care + Wellbeing


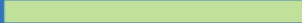


This page provides guidance on how to interpret elements of this report, including how comparisons are made, a guide to how colour is used and some helpful tips for getting the most out of the report interactions.
For more help and support, please get in touch with inform@gloucestershire.gov.uk

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.

	No Significant Difference to the National Average
	Significantly Better than the National Average
	Significantly Worse than the National Average
	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.

MENU

Definitions

Health

Core

Wellbeing

Theme

All

Indicator

All

Table of Definitions, Rationale and Data Sources

Indicator	Data Source	Definition	Rationale
16-17 Year Olds Not in Education, Employment or Training	Extracted from PHOF, OHID. Derived from DfE.	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.	Young people who are not in education, employment or training (NEET) of negative outcomes, including poor health, depression or early parenthood included to encourage services to work together to support young people vulnerable, to engage in education, training and work. The Government recognises that increasing the participation of young people not only makes a lasting difference to individual lives, but also Government's ambitions to improve social mobility and stimulate economic growth.
Adult Loneliness	Extracted from PHOF, OHID. Derived from Active Lives Adult Survey, Sport England.	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".	<p>At the beginning of 2018, the Prime Minister highlighted the issue of loneliness and committing to develop a national strategy for loneliness. The national strategy, A Connected Society, was published on 15 October 2018. The commitments made in the strategy and Social Care (DHSC) and NHS England in the strategy identify loneliness as a public health concern.</p> <p>Loneliness is a feeling that most people will experience at some point in their lives. It is a feeling of being isolated or alone, which can have a serious impact on an individual's ability to function in society. Feeling lonely frequently is linked to early death, poor mental health, and a higher risk of heart disease. Loneliness is also linked to a higher risk of being admitted to hospital or having a longer stay and then people are more likely to visit a General Practitioner or Accident and Emergency. At work, higher loneliness is associated with poorer performance on tasks and in a team, while social isolation is linked to increased productivity.</p>
Adults Classed as Overweight or Obese	Extracted from Obesity Profile, OHID. Derived from Active Lives Adult Survey, Sport England.	Percentage of adults aged 16 and over classified as overweight or obese (BMI greater than or equal to 25kg/m ²).	<p>Obesity is a global and complex public health concern. It is associated with a range of chronic diseases, including cardiovascular disease, type 2 diabetes, and cancer. It is also a risk factor for a range of chronic diseases, including cardiovascular disease, type 2 diabetes, and cancer. The proportion of adults in England living with obesity has seen large increases in recent decades. Analysis of data from the 1980 National Heights and Weight Survey showed that the prevalence of obesity in England stood at 6% of men and 9% of women in 1980 and 0.4% of women living with severe obesity. In 1993 the Health Survey for England reported that the prevalence of obesity among men and women in this country which has increased to 27% of men and 29% of women in 2010.</p> <p>Preventing obesity and putting in place support for people who are overweight or obese is a priority for the Government.</p>
Air Quality: Fine Particulate Matter	Population-weighted annual mean PM2.5 data, DEFRA.	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/m ³).	Poor air quality is a significant public health issue. There is strong evidence that the development of coronary heart disease, stroke, respiratory diseases exacerbates asthma and has a contributory role in mortality. The annual UK has been estimated to be equivalent to approximately 28,000-36,000 premature deaths and an associated loss of population life of 328,000-416,000 life years lost.
Average Anxiety Score	Personal Wellbeing Survey, ONS.	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' and 10 is 'very much'.	Well being is a key issue for the Government and Office for National Statistics. The programme of work to develop new measures of national well being. It has been a priority for the Government to develop new measures of national well being.

10. ADDITIONAL FEATURES

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



You can:

➤ Pin visual

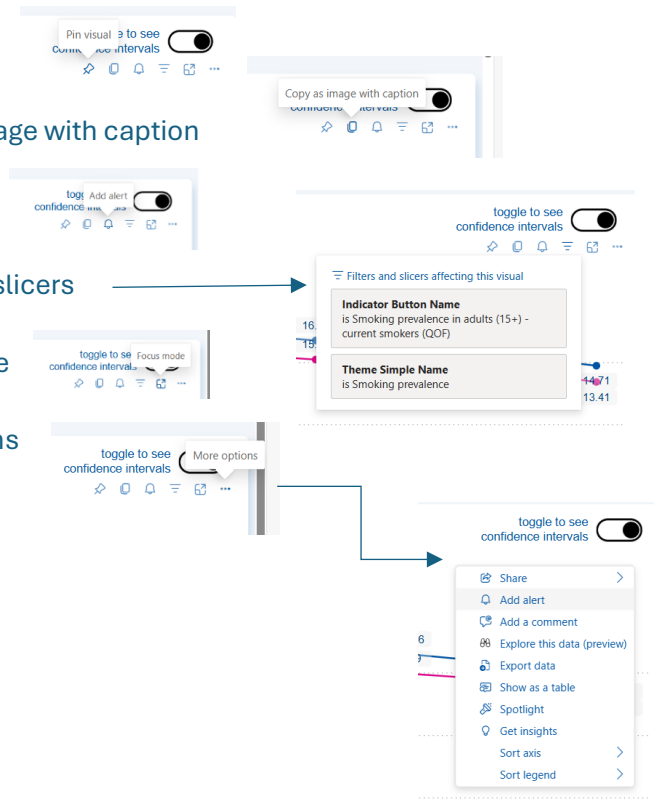
➤ Copy as image with caption

➤ Add alert

➤ Filters and slicers

➤ Focus mode

➤ More options



11. CONTACT US

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

