

Statistical bulletin

Coronavirus (COVID-19) Infection Survey, UK: 17 February 2023

Percentage of people testing positive for coronavirus (COVID-19) in private residential households in England, Wales, Northern Ireland and Scotland, including regional and age breakdowns. This survey is being delivered in partnership with University of Oxford, University of Manchester, UK Health Security Agency (UKHSA) and Wellcome Trust, working with the University of Oxford and partner laboratories to collect and test samples.

Contact:
Eleanor Fordham and Gillian
Flower
health.data@ons.gov.uk
+44 1633 560499

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Table of contents

1. [Main points](#)
2. [Coronavirus \(COVID-19\) Infection Survey data](#)
3. [Glossary](#)
4. [Measuring the data](#)
5. [Related links](#)
6. [Cite this statistical bulletin](#)

1 . Main points

This week, we have published a shorter release including our usual weekly updates on estimates of coronavirus (COVID-19) positivity by UK country, and by region and age group for England. We will publish our usual, full bulletin including incidence, sub-regional and single year of age analysis on a monthly basis, and this shorter release on the other weeks.

The following points are for the week ending 7 February 2023.

- In England, the percentage of people testing positive for COVID-19 continued to increase; we estimate that 1,054,200 (95% credible interval: 998,300 to 1,112,700) people had COVID-19, equating to 1.88% of the population, or around 1 in 55 people.
- In Wales, the percentage of people testing positive for COVID-19 increased; we estimate that 46,300 (95% credible interval: 35,500 to 58,600) people had COVID-19, equating to 1.50% of the population, or around 1 in 65 people.
- In Northern Ireland, the percentage of people testing positive for COVID-19 continued to decrease; we estimate that 23,300 (95% credible interval: 16,200 to 31,400) people had COVID-19, equating to 1.27% of the population, or around 1 in 80 people.
- In Scotland, the percentage of people testing positive for COVID-19 increased; we estimate that 96,500 (95% credible interval: 80,300 to 114,700) people had COVID-19, equating to 1.83% of the population, or around 1 in 55 people.
- The percentage of people testing positive for COVID-19 increased in all regions of England except the North East and the South West where the trend was uncertain.
- In England, the percentage of people testing positive for COVID-19 increased across all age groups, except those aged 2 years to school Year 6 and aged 25 to 34 years where the trend was uncertain.

Figure 1: The percentage of people testing positive for coronavirus (COVID-19) increased in England, Wales and Scotland, and continued to decrease in Northern Ireland, in the week ending 7 February 2023

Estimated percentage of the population testing positive for COVID-19 on nose and throat swabs, UK, 30 January 2022 to 7 February 2023

Notes:

1. Modelled results are provisional and subject to revision.
2. These statistics refer to infections occurring in private households. The figures exclude infections reported in hospitals, care homes and/or other communal establishments.
3. Official reported estimates are plotted at a reference point believed to be most representative of the given week.
4. The official estimate presents the best estimate at that point in time. Modelled estimates are used to calculate the official reported estimate. The model smooths the series to understand the trend and is revised each week to incorporate new test results, providing the best indication of trend over time.
5. Official estimates are displayed over a rolling year up to the most recent week. The full time series of our official estimates from 27 April 2020 onwards are available in our [Coronavirus \(COVID-19\) Infection Survey dataset](#).
6. There is a higher degree of uncertainty in our estimates for Wales, Northern Ireland and Scotland, compared with England. This is shown by wider [credible intervals](#).

Download the data

[.xlsx](#)

2 . Coronavirus (COVID-19) Infection Survey data

[Coronavirus \(COVID-19\) Infection Survey headline results, UK](#)

Dataset | Released 17 February 2023

Headline estimates for England, Wales, Northern Ireland and Scotland.

3 . Glossary

Age groups for children and young people

- "Aged 2 years to school Year 6" includes children in primary school and below.
- "School Year 7 to school Year 11" includes children in secondary school.
- "School Year 12 to those aged 24 years" includes young adults who may be in further or higher education.

Credible interval

A credible interval gives an indication of the uncertainty of an estimate from data analysis. The 95% credible intervals are calculated so that there is a 95% probability of the true value lying in the interval. A wider interval indicates more uncertainty in the estimate. Overlapping credible intervals indicate that there may not be a true difference between two estimates. For more information, see our [methodology page on statistical uncertainty](#).

4 . Measuring the data

Reference dates

We aim to provide the estimates of positivity rate (the percentage of people who test positive) that are most timely and most representative of each week. In addition, to improve stability in our modelling while maintaining relative timeliness of our estimates, we report our official estimates based on the midpoint of the reference week.

This week, the reference week is 1 to 7 February 2023 for all UK countries and the reference day is Saturday 4 February 2023. More information on reference weeks and days can be found in the Measuring the data section of our [Coronavirus \(COVID-19\) Infection Survey, UK: 10 February 2023 bulletin](#).

Additional COVID-19 Infection Survey data

Our full [Coronavirus \(COVID-19\) Infection Survey datasets for England, Wales, Northern Ireland, Scotland](#) and our Technical dataset are available. These datasets include our monthly incidence, sub-regional and single year of age analysis, and will be updated on a monthly basis.

Survey fieldwork

Survey fieldwork for the pilot study began in England on 26 April 2020. Fieldwork began on 29 June 2020 in Wales, 26 July 2020 in Northern Ireland, and 21 September 2020 in Scotland.

Remote data collection

The Office for National Statistics (ONS) Coronavirus (COVID-19) Infection Survey has moved from collecting data and samples through home visits by a study worker to a more flexible approach for participants. We have introduced an online questionnaire and swab and blood samples are returned through the post (or by courier for some participants). Further information on what these changes mean and how the survey will continue to be valuable can be found in our recent [blog post: The COVID-19 Infection Survey is changing](#).

There were minimal differences between estimates of swab positivity produced from remote data collection methods, compared with data collected by study worker home visits. New data presented in our [19 August 2022 publication](#) were based on a combination of data collected remotely and by study worker home visits. New data presented from the [26 August 2022 publication](#) onwards were collected by remote data collection only. Further information on the effects of the change in data collection method can be found in our [Quality Report: August 2022](#) and [Quality Report: December 2022](#).

Other Coronavirus Infection Survey (CIS) analysis and studies

This study provides the main measure of coronavirus infection in the UK. Other sources have provided data during previous stages of the pandemic. For information on other studies see [Section 4: Quality characteristics of the Coronavirus \(COVID-19\) Infection Survey](#) (coherence and comparability) of the [Coronavirus \(COVID-19\) Infection Survey QMI](#), revised 20 January 2023.

Quality

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [Coronavirus \(COVID-19\) Infection Survey: methods and further information methodology](#) and the [Coronavirus \(COVID-19\) Infection Survey QMI](#).

5 . Related links

[Coronavirus \(COVID-19\) Infection Survey, Regional and sub-regional estimates of coronavirus \(COVID-19\) positivity over time: 12 January 2023](#)

Article | Released 12 January 2023

This article presents information on the percentage of people testing positive for coronavirus (COVID-19) in private residential households by region and sub-region, over time.

[Coronavirus \(COVID-19\) Infection Survey, quality report: December 2022](#)

Article | Released 21 December 2022

This quality report presents information on the Coronavirus (COVID-19) Infection Survey data collection method change from study worker home visit to remote data collection.

[Coronavirus \(COVID-19\) Infection Survey, quality report: September 2022](#)

Article | Released 23 September 2022

This quality report presents information on the Coronavirus (COVID-19) Infection Survey data collection method change from study worker home visit to remote data collection.

[Coronavirus \(COVID-19\) Infection Survey, quality report: August 2022](#)

Article | Released 18 August 2022

This quality report presents information on the Coronavirus (COVID-19) Infection Survey data collection method change from study worker home visit to remote data collection.

[Coronavirus \(COVID-19\) Infection Survey, characteristics of people testing positive for COVID-19, UK](#)

Bulletin | Updated monthly

The characteristics of people testing positive for coronavirus (COVID-19) from the COVID-19 Infection Survey. This survey is being delivered in partnership with the University of Oxford, the University of Manchester, UK Health Security Agency and Wellcome Trust.

[Coronavirus \(COVID-19\) Infection Survey, antibody data, UK](#)

Bulletin | Updated monthly

Antibody data by UK country and English regions from the Coronavirus (COVID-19) Infection Survey. This survey is being delivered in partnership with the University of Oxford, University of Manchester, UK Health Security Agency and Wellcome Trust.

[Coronavirus \(COVID-19\) latest insights](#)

Interactive tool | Updated as and when data become available

The latest data and trends about the coronavirus (COVID-19) pandemic from the Office for National Statistics (ONS) and other official sources.

[Deaths registered weekly in England and Wales, provisional](#)

Bulletin | Updated weekly

Provisional counts of the number of deaths registered in England and Wales, including deaths involving COVID-19, by age, sex and region, in the latest weeks for which data are available.

[Coronavirus \(COVID-19\) Infection Survey technical article: Characteristics associated with third vaccination uptake](#)

Technical article | Released 21 April 2022

Analysis of populations in the UK by likelihood of having received a third vaccination against COVID-19 using the Coronavirus (COVID-19) Infection Survey. This survey is being delivered in partnership with University of Oxford, University of Manchester, UK Health Security Agency and Wellcome Trust.

[Coronavirus \(COVID-19\) Infection Survey technical article: Cumulative incidence of the number of people who have tested positive for COVID-19, UK](#)

Technical article | Released 22 April 2022

Analysis of the number of people in the UK who have tested positive for COVID-19 using the Coronavirus (COVID-19) Infection Survey. This survey is being delivered in partnership with University of Oxford, University of Manchester, UK Health Security Agency and Wellcome Trust.

[The relationship between COVID-19 infections and antibodies: What do the data show?](#)

Blog article | Released 6 April 2022

Information on how COVID-19 infections have recently reached their highest levels across many parts of the UK while antibody levels are high.

6 . Cite this statistical bulletin

Office for National Statistics (ONS), released 17 February 2023, ONS website, statistical bulletin, [Coronavirus \(COVID-19\) Infection Survey, UK: 17 February 2023](#)