Latest numbers on COVID-19 in the UK – 30 September 2022

1. Prevalence of Covid
2. Variants
3. Hospitals
4. Mitigations
5. Children & long covid

With many thanks to Bob Hawkins for his help in collating the data
Prevalence of Covid
Percent Testing Positive by Nation: 3 Sep 2021 to 20 Sep 2022
(Source: ONS Coronavirus (COVID-19) Infection Survey results)

England: 1 in 65
Wales: 1 in 50
Northern Ireland: 1 in 80
Scotland: 1 in 45

England only to 17 Sept

Thanks to Bob Hawkins for the chart
Percent Testing Positive by Age for England: Recent Trend
(Source: ONS Coronavirus (COVID-19) Infection Survey results)

Thanks to Bob Hawkins for the chart
Variants
Proportion of sequenced cases that are one of:
BQ.1.1, BA.2.75.2, BN.1 (all subvariants of Omicron)

Caveats:
- Few sequences in general, clusters (eg care homes) can have big impact
- Still small numbers
- Dozens of Omicron subvariants springing up all the time, and then replaced

Allocations from Alex Selby – thank you!
@alexselby1770, http://sonorouschocolate.com/covid19/index.php/UK_variant_comparison
Hospitals
Number of people in hospital with Covid per million people – UK nations
7 day rolling average to 27 September 2022

NB: Scottish and NI data only up to 22nd Sept
Number of daily hospital admissions with Covid in England to 26 Sept 2022

Data from https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/
Seven Day Hospital Admissions Rate per 100,000 people by English regions: Recent Weekly Trend

Thanks to Bob Hawkins for the chart

Number of daily hospital admissions with Covid in England for adults to 26 Sept 2022

Hospital admissions by source in England for last three weeks:
Over a third likely to be acquired in hospital
(but note that fewer incidental cases identified on admission with less testing)

Chart by Adele Groyer, @adelegroyer, https://twitter.com/AdeleGroyer/status/1575408444701548544?s=20&t=dI8bimWhYNPcN3oUvR70Iw

data source: NHS England COVID-19 Hospital Activity
Number of people in hospital with Covid in England by primary reason to 27 September 2022

Covid primary diagnosis

Covid NOT primary diagnosis

These are patients whose Covid diagnosis not primary reason for their admission – but it could still be a contributing cause. And needs infection control.

Deaths
Number of deaths with Covid on the death certificate by week registered in the UK to 9 September 2022

Data from:
Northern Ireland: [www.nisra.gov.uk/publications/weekly-deaths](https://www.nisra.gov.uk/publications/weekly-deaths)
Number of deaths with Covid on the **death certificate** by week registered in England and Wales since 10 Sept 2021

Covid-19 Deaths:
Over the last year: **40,233**
Just this year (since 1 Jan 2022): **26,220**

Data from:
Number of deaths with Covid on the death certificate by week registered in England and Wales since 10 Sept 2021

Covid-19 Deaths:
Over the last year: **40,233**
Just this year (since 1 Jan 2022): **26,220**

Average annual flu and pneumonia deaths 2016-19: **27,500**

Data from:
England and Wales: www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest
Mitigations
Autumn 2022 Booster Coverage for 65 to 74 Year Olds and Over 75’s in England: Sep 4 to Sep 28, 2022
(Source: Covid Dashboard and ONS 2020 Population Estimates)

https://coronavirus.data.gov.uk/
Thanks to Bob Hawkins for the chart
Vaccination Coverage for Over 75 Age Groups in England
Sep 28, 2022

Thanks to Bob Hawkins for the chart
Vaccination (1st dose) Coverage by age for under 65s in England as at Sep 28, 2022
Percent of People who Wear Face Coverings when Outside Home
Week Ending Apr 10 to Sep 25, 2022
(Source: Coronavirus and the social impacts on Great Britain Survey)

https://www.ons.gov.uk/peoplepopulationandcommunity/wellbeing/datasets/publicopinionsandsocialtrendsgreatbritaincoronaviruscovid19andotherillnesses
Thanks to Bob Hawkins for the chart
Percent of People who Wear Face Coverings when Outside Home and On Public Transport -- Recent Trends
(Source: Coronavirus and the social impacts on Great Britain Survey)

https://www.ons.gov.uk/peoplepopulationandcommunity/wellbeing/datasets/publicopinionsandsocialtrendsgreatbritaincoronaviruscovid19andotherillnesses

Thanks to Bob Hawkins for the chart
Mitigations matter, because people being able to work and lead their daily lives matters.

How companies can ensure a Covid-free workplace

The virus has not gone away — but clean air and smart policies can keep it at bay.

Pippa Stephens SEPTEMBER 27 2022

Germany’s national obsession with Lüften, the art of airing rooms, was sometimes regarded as a quirk best kept to itself. Even in the bleak midwinter, windows would be flung open to let fresh air in. But then the coronavirus pandemic came along.

Although it was initially disputed that coronavirus spreads through the air, we now know differently. Up to 90 per cent of infections are passed on in this way, according to Julian Tang, a virologist and professor of respiratory sciences at the University of Leicester. And it seems the Germans were right all along: studies show that good ventilation works to minimise airborne virus transmission.

Financial Times, 27 September 2022, https://www.ft.com/content/bdebb5ee-fb91-49d3-a36b-f35d490874cf
Mitigations matter, because people being able to work and lead their daily lives matters.
Children and long covid
Percent Testing Positive by School Age in England
22 Aug 2021 to 17 Sep 2022
(Source: ONS Coronavirus (COVID-19) Infection Survey results)

Thanks to Bob Hawkins for the chart
Percent of Primary and Secondary Pupils estimated to have antibodies against Covid for England: Dec 2021 to Mar 2022
(Source: ONS COVID-19 Schools Infection Survey, England: pupil antibody data and vaccine sentiment report)

https://www.ons.gov.uk/releases/covid19schoolsinfectionsurveyenglandpupilantibodydatamarch2022
Thanks to Bob Hawkins for the chart
Number of 2-11 Year Olds Living with Self-Reported Long Covid in the UK: infections from Mar 6, 2021 to Jul 31, 2022
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

Thanks to Bob Hawkins for the chart

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/alldatarelatingtoprevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk
Number of 12-16 Year Olds Living with Self-Reported Long Covid in the UK: infections from Mar 6, 2021 to Jul 31, 2022
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/alldatrelatingtoprevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk

Thanks to Bob Hawkins for the chart
Impact on 2-16 Year Olds Living with Self-Reported Long Covid in the UK: Jul 3 - Jul 31, 2022
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

Extent to which long COVID reduces ability to undertake day-to-day activities

Thanks to Bob Hawkins for the chart

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/alldatarelatingtoprevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk
SUMMARY

• A new wave is underway – more obvious in hospital admission data than ONS infection survey so far. No clear variant behind it – but several are growing and the general soup is better at infecting people.

• Autumn booster uptake is good – and should blunt impact of current wave. Other mitigations however are not being done.

• Most children have been infected at least once by now – and under 11s without the benefit of the vaccine.

• This is a consequence of high community transmission, inadequate school protections and late and under-vaccination in these age groups.