Latest numbers on COVID-19 in the UK – 2 December 2022

1. Vaccinations
2. Prevalence & Variants
3. Hospitals
4. Deaths
5. Long Covid
6. NHS Strain

With many thanks to Bob Hawkins for his help in collating the data
Vaccinations
Autumn 2022 Booster Coverage by Age Group in England
Sep 4 to Nov 30, 2022
(Source: Covid Dashboard and ONS 2020 Population Estimates)

Only 7% of 20-39 and 28% of 40-59 year olds have had a booster in last 6 months

https://coronavirus.data.gov.uk/
Thanks to Bob Hawkins for the Chart
Prevalence
Percent Testing Positive by Nation: 3 Sep 2021 to 22 Nov 2022
(Source: ONS Coronavirus (COVID-19) Infection Survey results)

England: 1 in 60
Wales: 1 in 75
Northern Ireland: 1 in 65
Scotland: 1 in 65

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

In England, increases mainly in teenagers and young adults. Regionally, everywhere except NE, NW and East of England.

Thanks to Bob Hawkins for the chart
SARS-CoV-2 Variants in England since November 2020

Proportion of sequenced cases

Also growing: XBB (4% of sequences); CH.1 (4% of sequences). CH.1 growing fastest.

Hospitals
Data from https://coronavirus.data.gov.uk.

Number of people in hospital with Covid per million people – UK nations
7 day rolling average to 30 Nov 2022

NB: NI data only up to 24 November

Consistent with ONS infection survey data
Number of daily hospital admissions with Covid in England to 28 Nov 2022

Data from https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/

Plus, a lot more than Covid this winter!
Rising Flu admissions in England – data to 27 November 2022

Figure 34: Weekly overall hospital admission rates of new COVID-19 and influenza positive cases per 100,000 population reported through SARI Watch, England

Rapidly Rising Flu ICU admissions in England – data to 27 November 2022

Figure 39: Weekly overall ICU or HDU admission rates of new COVID-19 and influenza positive cases per 100,000 population reported through SARI Watch, England

Flu admissions hitting under 5’s and over 85s hardest

Weekly hospital admission rate by age group for new influenza reported through SARI Watch

Plus there is RSV hitting under 5’s hard too

Figure 46: Weekly hospitalisation (including ICU or HDU) admission rates by age group for new RSV cases reported through SARI Watch, England

Plus there is RSV hitting under 5’s hard too

Hundreds of children’s hospital beds closed amid surge in RSV cases

NHS medical director warns services face a ‘perfect storm’ this winter, with pressures higher on every front this year.

Figure 46: Weekly hospitalisation (including ICU or HDU) admissions to hospital by age group for new RSV cases reported through SARI Watch, England.

Covid Deaths
Number of deaths with Covid on the death certificate by week registered in the UK to 18 November 2022

Data from:
England and Wales: www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest
Northern Ireland: www.nisra.gov.uk/publications/weekly-deaths
Long Covid
Number of people living with Self-Reported Long Covid (4 weeks+) in the UK over last three months
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

Thank you to Bob Hawkins for the chart
Number of People Living with Self-Reported Long Covid in the UK by Variant Type: Oct 1 - Nov 6, 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
### Impact on People Living with Self-Reported Long Covid

**By Job Sector in the UK: Oct 1 - Nov 6, 2022**

(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

<table>
<thead>
<tr>
<th>Job Sector</th>
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Impact on People Living with Self-Reported Long Covid
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(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

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Long Covid costing UK workers up to £1.5bn yearly in lost income, says IFS

Researchers say impact of rise to 2 million cases meant it was ‘a significant part of pandemic’s legacy’

From July 2022

Thanks to Bob Hawkins for the chart

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/alldatarelatingtoprevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk
NHS strain
Percent of Ambulance Arrivals Taking Longer Than 1 Hour to Discharge (15 min target)
(Oct to Apr for past five years)
(Source: NHS Urgent and Emergency Care Daily Situation Reports 2022-23)

Annual dip over Christmas

Pandemic took off in England
Percent of Ambulance Arrivals Taking Longer Than 1 Hour to Discharge
( Nov to Mar for past five years)
(Source: NHS Urgent and Emergency Care Daily Situation Reports 2022-23)

Big Alpha wave in Jan 2021
England in lockdown Jan – Mar 2021
Lower demand for ambulances?
Percent of Ambulance Arrivals Taking Longer Than 1 Hour to Discharge
(Nov to Mar for past five years)
(Source: NHS Urgent and Emergency Care Daily Situation Reports 2022-23)

- 2018/19
- 2019/20
- 2020/21
- 2021/22

Key Events:
- Delta burden Nov/Dec 2021
- Omicron BA.1 wave Jan 2022
- Omicron BA.2 wave Mar 2022
Percent of Ambulance Arrivals Taking Longer Than 1 Hour to Discharge (Nov to Mar for past five years)
(Source: NHS Urgent and Emergency Care Daily Situation Reports 2022-23)

Nov 2022
Starting off much worse than historical values. Consequence of a year of NHS emergency care crisis.
Percent of Ambulance Arrivals Taking Longer Than 1 Hour to Discharge (Nov to Mar for past five years) (Source: NHS Urgent and Emergency Care Daily Situation Reports 2022-23)

Nov 2022
Starting off much worse than historical values. Consequence of a year of NHS emergency care crisis.

Patients dying as ambulances face crippling delays in England

📅 24 November · 📝 Comments
Also heading into winter with highest hospital occupancy

https://twitter.com/BenZaranko/status/1598262132810055681?s=20&t=ZjYEWr0BM8vq-FIUzl1phg
NHS England Staff Sickness Absence Rates
Monthly Year on Year Comparison
(Source: NHS Sickness Absence Rates Reports)

Note: 2022 data only goes to July
Staff sickness consistently higher this year so far

SUMMARY

- Prevalence and hospital admissions suggest we are (just) entering into another wave

- BQ.1/BQ.1.1 variants (mainly BQ.1.1) now dominant but a couple of new ones growing, in particular CH.1

- Long Covid numbers high (> 2 million) and highest in key sectors such as health & social care

- NHS issues compounded by 18 months of crisis, rising Flu & RSV. The metrics are *all* bad and it’s only the start of winter.