Latest numbers on COVID-19 in the UK – 21st January 2022

1. Cases
2. Hospitalisations
3. Deaths
4. Vaccination
5. Long COVID

With many thanks to Bob Hawkins and Christina Pagel for help in collating the data
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ONS: 3 Million cases in the week ending 15th January
Prevalence: 1 in 20 (England)

BUT
Cases now still higher than they’ve ever been in any previous wave

Cases have peaked
Latest numbers on COVID-19 in the UK – 21 January 2022

Source: ONS
Cases per 100,000 people per week for different age groups in England to 15 January 2022

- 0-4 yrs: 5 cases
- 5-9 yrs: 7 cases
- 10-14 yrs: 10 cases
- 15-19 yrs: 20 cases
- 20-29 yrs: 30 cases
- 30-49 yrs: 60 cases
- 50-69 yrs: 60 cases
- 70+ yrs: 70 cases

Cases plateauing in parental age group.

Cases declining in all ages except children.

1 in 12 infected
There has been significant behaviour change in England.

Figure 5: Proportion of adults wearing a face mask over time by country (with at least one contact outside of the home). Observations are smoothed over two weeks to account for panel effects apart from the most recent week of data. Date on x axis refers to midpoint of the survey period.

Increase in mask use

CoMix report, wk 92

Impact on People Living with Self-Reported Long Covid by Job Sector in the UK: Dec 6, 2021

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

Figure 4: Proportion of adults or children in isolation or quarantine. Observations are smoothed over two weeks to account for panel effects apart from the most recent week of data. Date on x axis refers to the midpoint of the survey period.
ARIs are suspected outbreaks of acute respiratory infections linked to a particular setting. Only some of these will be confirmed as outbreaks on investigation. Source: UKHSA
Latest numbers on COVID-19 hospitalisations – 21 January 2022

- Primary schools
- Nurseries
- SEN schools

Graph showing the number of ARI incidents by date of report week.
Number of Pupils in All State Schools absent due to Covid-19 for England by School from Sep 7, 2021 to Jan 6, 2022
(Source: Attendance in education and early years settings during the coronavirus (COVID-19) outbreak)

Workforce absence

- We estimate that 8.6% of teachers and school leaders were absent from open schools were absent on 6 Jan, up from 8.0% (42,000) on 16 Dec.
- We estimate that 8.9% of teaching assistants and other staff were absent from open schools were absent on 6 Jan, up from 7.3% (52,000) on 16 Dec.


Thanks to Bob Hawkins for the chart
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Latest numbers on COVID-19 hospitalisations – 21 January 2022

Total patients in hospital with COVID-19 at peak similar to 1st wave
56% had COVID-19 as primary cause

Source: https://coronavirus.data.gov.uk/details/healthcare
Latest numbers on COVID-19 hospitalisations – 21 January 2022

Hospitalisations have peaked in all nations

Source: https://coronavirus.data.gov.uk/details/healthcare
Latest numbers on COVID-19 hospitalisations – 21 January 2022

Figure 42: Weekly hospital admission rate by UKHSA Centre for new (a) COVID-19 positive cases and (b) influenza reported through SARI Watch

Despite increases in hospitalisations, ICU admissions have been mostly flat.

Weekly Hospital Admissions per 100K by Age in England May 1 2021 – Jan 18 2022
(Source: Covid Daily Update)

Thanks to Bob Hawkins for the chart

Hospitalisations rates in under 5s similar to 18-64 yr group
The number of paediatric admissions with COVID-19 infection began to rise from 26 December 2021, from an average of 40 admissions per day to 120 per day, a 3-fold rise in 2 weeks. Further analysis by age group shows that the rise is most rapid among children under 5 years, and highest in infants aged under 1 year (Figure 9). This data is for all COVID-19 infections including all variants, but it should be noted that Omicron represented over 90% of sequenced samples in the UK from end November 2021 (Figure 5). The top 3 complaints on hospital attendance records for children under 5 remain consistent with respiratory infection.

A clinical case review of a small number of Omicron admissions in infants found those admitted were not severely unwell. The Royal College of Paediatrics and Child Health (RCPCH) has issued a statement to confirm that paediatricians are not reporting Omicron to be a more serious or severe disease in children and young people in the UK.
Age/sex pyramid of hospitalisations (all levels of care) for COVID-19, data from sentinel acute NHS trusts, England Security Agency

(a) Peak of 2nd wave (week 53 2020 to week 3 2021) n= 6,359

(b) Most recent 4 weeks (week 51 2021 to 2 2022) n=2882

Caution: Data may not be representative of England
This figure is based on individual patient level data which are provided to SARI Watch from a subset of NHS Acute Trusts.

Higher proportion of under 5 admissions in omicron wave compared to 2nd wave

Young women disproportionately affected?
Latest numbers on COVID-19 hospitalisations – 21 January 2022

Higher proportion of under 5 ICU admissions in omicron wave compared to 2nd wave

(a) Peak of 2nd wave (week 53 2020 to week 3 2021) n= 3,349
(b) Most recent 4 weeks (week 51 2021 to 2 2022) n=437
~300% increase in hospitalisations in under 15s compared to Jan peak
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With many thanks to Bob Hawkins for his help in collating the data
1,860 deaths in the last week (28 day definition)

*The data are shown by the week of death. This gives the most accurate analysis of this time progression, however, for the most recent weeks' numbers more deaths are expected to be registered therefore this should be interpreted with caution

Infections were highest among young children, but hospital admissions and deaths were highest among older people

Estimated percentage of the population testing positive for COVID-19 in the week ending 15 January 2022, hospital admission rates in the week ending 9 January 2022, and deaths registered in the week ending 7 January 2022, by age, England

Source: Office for National Statistics and UK Health Security Agency
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With many thanks to Bob Hawkins for his help in collating the data
Percent of Total Population Unvaccinated, First Dosed, Second Dose, and Fully Vaccinated with Booster as at Jan 18

(Source: Covid Daily Update and Mid-2020 ONS Population Estimates)

Thanks to Bob Hawkins for the chart
Percent of 12-15 and 16-17 Year Olds with First Doses and Second Doses by Home Nation as at Jan 19


Thanks to Bob Hawkins for the chart
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Length of Time People Spent Living with Self-Reported Long Covid in the UK: Dec 6, 2021
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

1.3 million people with long COVID
½ a million have had this for more than one year!

Thanks to Bob Hawkins for the chart
https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/6january2022
Number of People Living with Self-Reported Long Covid in the UK by Age: Mar 6 to Dec 6, 2021

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

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk

Long COVID in children has tripled in 4 months 38,000 → 117,000

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

Thanks to Christina Pagel for the chart
Impact on People Living with Self-Reported Long Covid
By Job Sector in the UK:  Dec 6, 2021
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

Increase was greatest among teacher/educational staff between surveys

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/6january2022
Number and Percent of Staff Absent from NHS Acute Hospital Trusts in England
7 Apr 2021– 16 Jan 2022
(Source: NHS England Urgent and Emergency Care Daily Situation Reports 2021-22)

<table>
<thead>
<tr>
<th>Month</th>
<th>2019/20</th>
<th>2020/21</th>
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<tbody>
<tr>
<td>December</td>
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</tr>
<tr>
<td>January</td>
<td>4.6%</td>
<td>5.7%</td>
</tr>
</tbody>
</table>

Thanks to Bob Hawkins for the chart

Summary – 21st January 2022

1. Cases and hospitalisations have peaked in all nations and regions in England
   *but* cases are still higher than at any point pre-omicron
2. And cases increasing in children, and plateauing in parent age groups
3. Behaviour change likely to have contributed to peaking
4. Vaccine roll-out in adolescents remains very low
5. Disproportionately high hospitalisations in under 5s
6. Hospitalisations remain very high in children – at a point majority unvaccinated, and very high infection rates and outbreaks in education settings – and with masks being dropped from secondaries
7. Long COVID shows huge increases in children
8. Long COVID high in health and care occupations and education
9. Impact of omicron on long COVID has still not been realised