Headline: We are out of this wave but counting the consequences. A new one might be on its way in a month or two.

1. Vaccination
2. Prevalence of Covid
3. Hospitals
4. Deaths
5. Long Covid
6. New variants

With many thanks to Bob Hawkins for his help in collating the data
Percent of Over 75 Year Olds by Nation Unvaccinated, First Dose, Second Dose, Autumn Booster and Fully Vaccinated with Spring Booster: Latest Data

Coronavirus (COVID-19): Vaccinations in Scotland – latest data – SPICE SpotLight | Solas air SPICe (spice-spotlight.scot)
Rapid COVID-19 virology - Public | Tableau Public

Thanks to Bob Hawkins for the chart
First Dose Coverage of 5-11 Year Olds by Home Nation: 4 May 2022

Coronavirus (COVID-19): Vaccinations in Scotland – latest data – SPICe Spotlight | Solas air SPICe (spice-spotlight.scot)
Rapid COVID-19 virology - Public | Tableau Public

Thanks to Bob Hawkins for the chart
Prevalence of Covid
Percent of population testing positive each week by nation:
1 Aug 2020 to 30 April 2022
ONS Infection Survey (random testing)

Data from https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/coronaviruscovid19infectionsurveydata.
Percent Testing Positive by Age for England: 30 Apr vs Prior Weeks
(Source: ONS Coronavirus (COVID-19) Infection Survey results)

Data from https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/datasets/coronaviruscovid19infectionsurveydata.

Thanks to Bob Hawkins for the chart
Hospitals
Number of people in hospital with Covid per million people – UK nations
7 day rolling average to 4 May 2022

Data from https://coronavirus.data.gov.uk.
Number of daily hospital admissions with Covid in England to 3 May 2022

Data from https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/
Deaths
Number of deaths within 28 days of +ve COVID test by date of death across the UK to 26 April 2022

Data from https://coronavirus.data.gov.uk/
Number of deaths with Covid on the death certificate by week registered in England & Wales to 22 April 2022


England and Wales likely at BA.2 peak now. Deaths declining in Scotland and N Ireland (not shown)
Number of deaths with Covid on the death certificate by week registered in England & Wales to 22 April 2022

Long Covid
Number of People Living with Self-Reported Long Covid (at least 4 weeks) in the UK Mar 6, 2021 to Apr 3, 2022 (up to end Feb 2022 infections)
(Source: ONS Prevalence of ongoing symptoms following coronavirus (COVID-19) infection in the UK Reports)

2.8% of the population

https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/6may2022

Thanks to Bob Hawkins for the chart
Impact on People Living with Self-Reported Long Covid in the UK
Mar 4 - Apr 3, 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/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/7april2022
Length of Time People Spent Living with Self-Reported Long Covid in the UK: Mar 4 - Apr 3, 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/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/7april2022
About 8%-9% of people are reporting long covid (at least 4 weeks) after their first infection.

It’s 5-6% for activity-limiting symptoms – high!
Percent of *all* People in ‘Top 6’ Job Sectors Living with Self-Reported Long Covid in the UK: Dec 6, 2021 to Apr 3, 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/bulletins/prevalenceofongoingsymptomsfollowingcoronaviruscovid19infectionintheuk/7april2022
New variants
Other Alpha Delta BA.1

Dominant Covid variants in England since summer 2020

Data from COG UK
Proportion of sequenced cases in England that are **Omicron BA.1** and **Omicron BA.2** from 4 Dec 2021 to 30 Apr 2022.


Chart: @chrischirp
South Africa has started a new BA.4 / BA.5 wave

So far mainly concentrated in two provinces.

Cases, positivity and hospital admissions rising but no sign that more severe than other Omicron variants.
In the US, the subvariant BA.2.12.1 is taking off

USA: BA.2.12.1 has transmission advantage of ~25% over BA.2

Monday, 2 May 2022, 10:37
Coronaheadsup.com
BA.2.12.1, BA.4, BA.5, Coronavirus, Genome, Infection, New York State, North Carolina, Testing, USA

CDC: “BA.2.12.1 might have a transmission advantage of about 25% over the BA.2 sub variant... The BA.2.12.1 sub variant makes up nearly 30% of sequences identified nationally.”

CDC Director Rochelle Walensky: “Right now, BA.1 is only about 3% of the sequences identified. We are now more commonly finding the BA.2 Omicron sub variant, which makes up about 68% of circulating virus. More recently, we're finding the BA.2.12.1 sub variant, which was first identified in upstate New York, and which makes up nearly 30% of sequences identified nationally. We are just starting to learn about the impact of BA.2.12.1.”

“It appears [BA.2.12.1] might have a transmission advantage of about 25% over the BA.2 sub variant. Additional evaluation is currently underway to understand the impact of BA.2.12.1 on vaccine effectiveness.”

CDC: Transcript for CDC Media Telebriefing: Update on COVID-19, 26th April 2022
Proportion of sequenced cases in England that are Omicron BA.1 and Omicron BA.2 from 4 Dec 2021 to 30 Apr 2022.

Chart: @chrischirp
Proportion of sequenced cases in England that are **Omicron BA.4**, **Omicron BA.5** & **Omicron BA.2.12.1** from 1 April 2022 to 30 Apr 2022.

Still very low proportion of all sequences. AND v low numbers mean cannot really estimate growth here. But we do know that these are growing in other countries.

Chart: @chrischirp
SUMMARY

• Making good progress in giving eligible adults a 4th jab. Barely any progress on 5-11 year olds.

• All nations showing declining cases and hospital admissions. We are definitely on the downward slope of the BA.2 wave.

• So far no sign of any increase in school infections which is good.

• Long Covid is rising following Omicron BA.1 surge – and this in a highly vaccinated and highly previously infected population. We have not yet seen impact of the BA.2 wave.

• The Omicron subvariant BA.2 remains dominant but three new Omicron variants are growing in the UK. One of them is likely to become dominant but whether it will cause a smaller or larger wave of infections remains to be seen. Size matters.