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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

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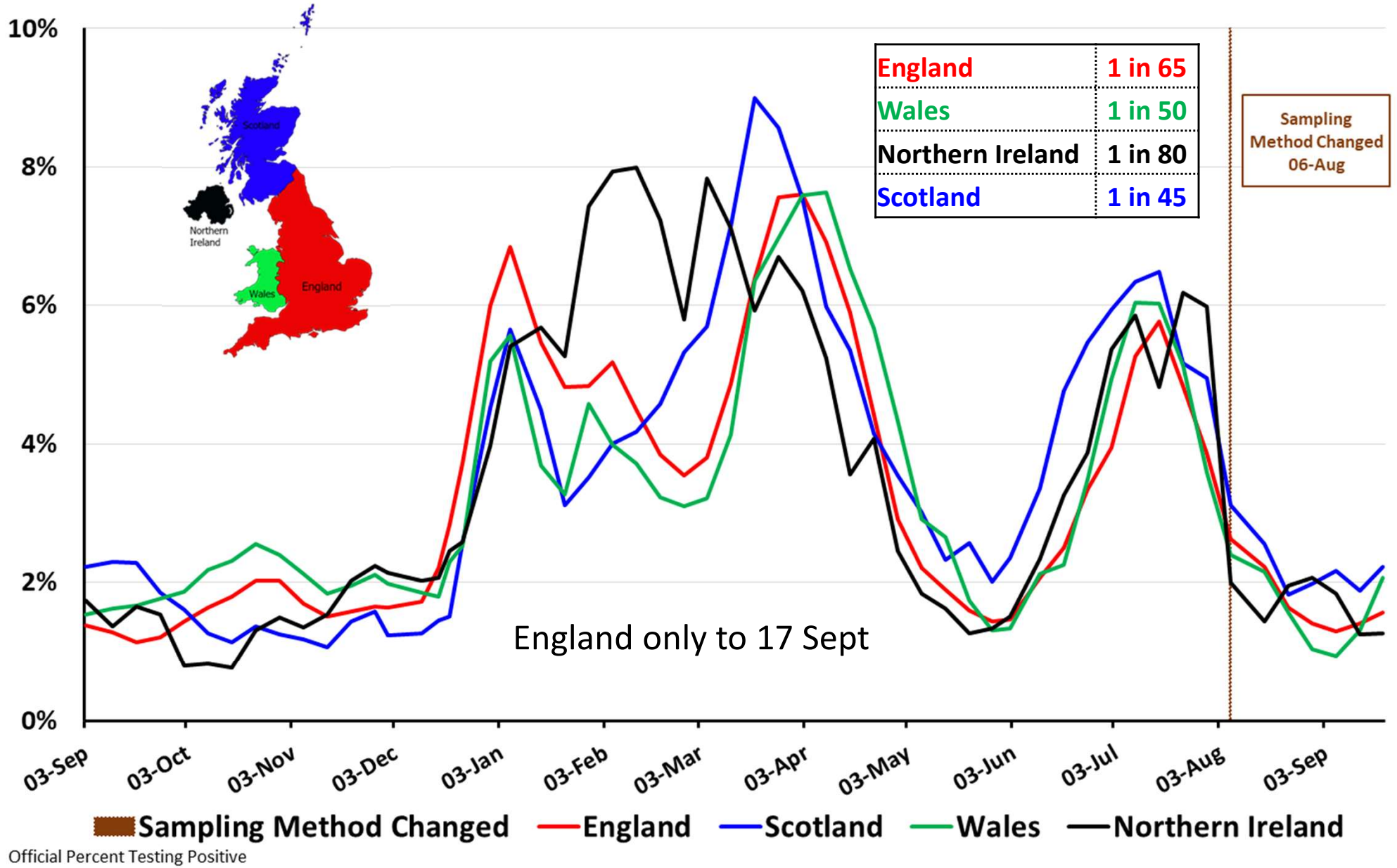
Percent Testing Positive by Nation: 3 Sep 2021 to 20 Sep 2022

(Source: ONS Coronavirus (COVID-19) Infection Survey results)



Official Percent Testing Positive

Thanks to Bob Hawkins for the chart

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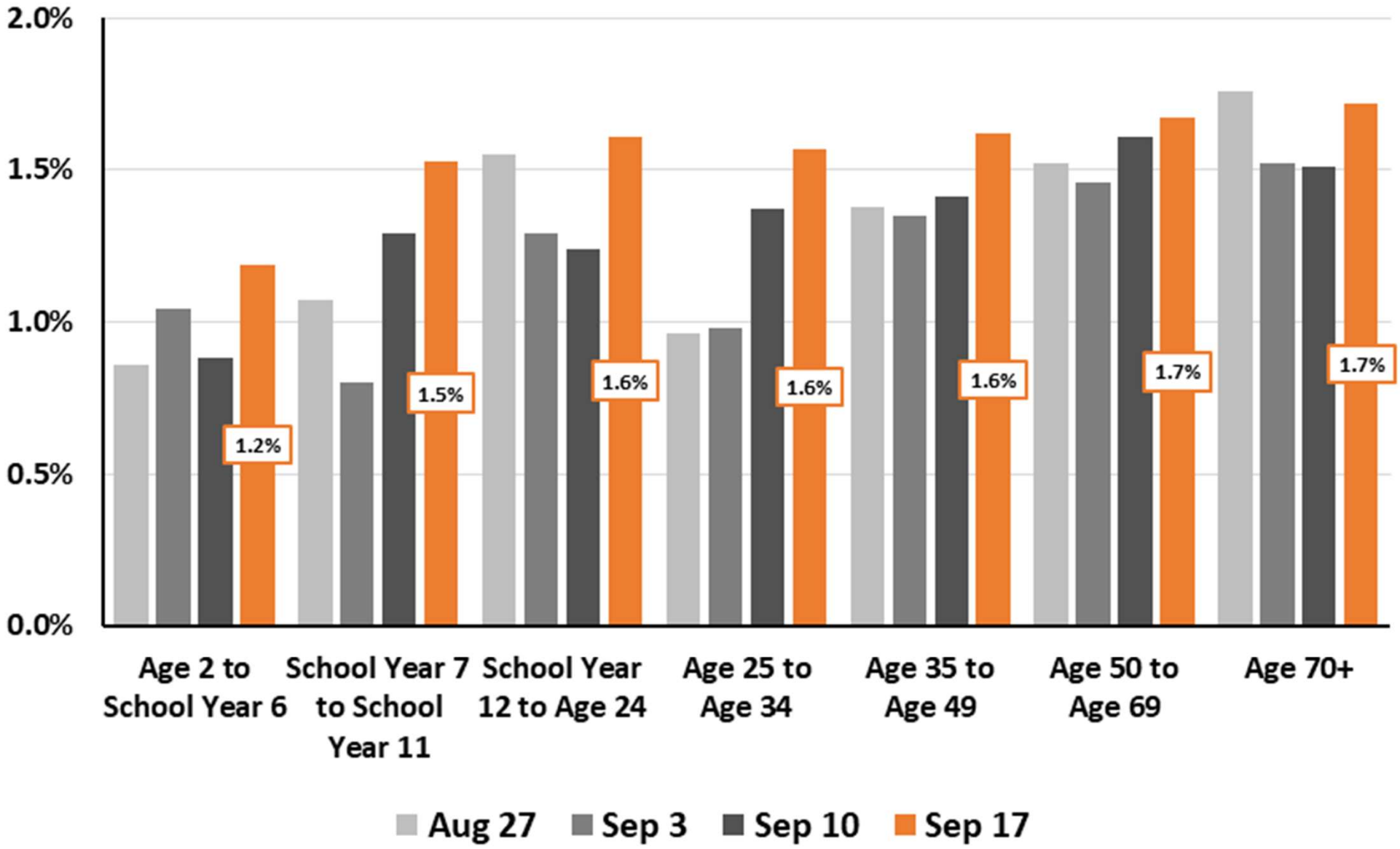
Percent Testing Positive by Age for England: Recent Trend

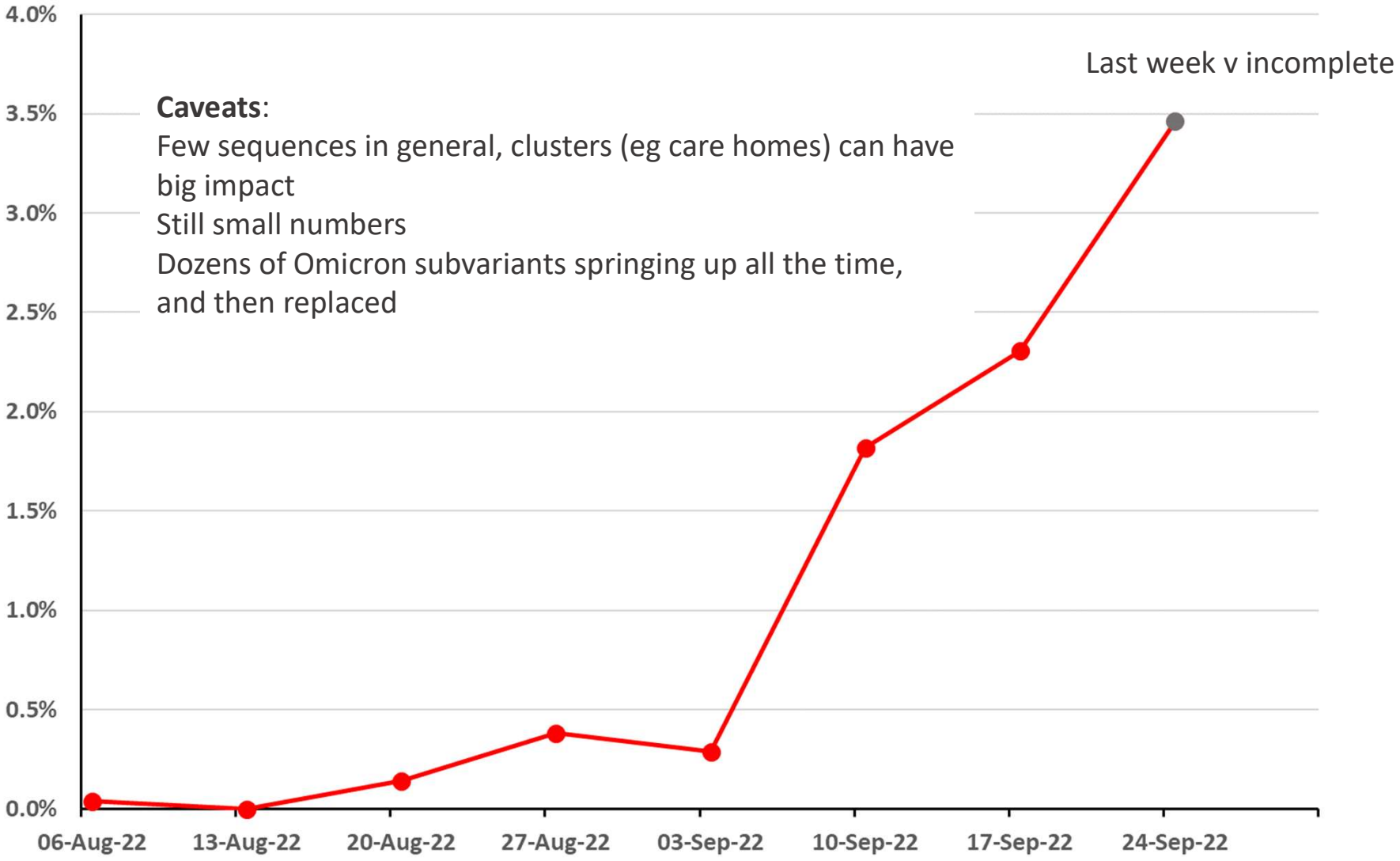
(Source: ONS Coronavirus (COVID-19) Infection Survey results)



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)



Orig data from https://www.cogconsortium.uk/priority-areas/data-linkage-analysis/public-data-analysis/
Allocations from Alex Selby – thank you!
@alexselby1770, http://sonorouschocolate.com/covid19/index.php/UK_variant_comparison

Hospitals

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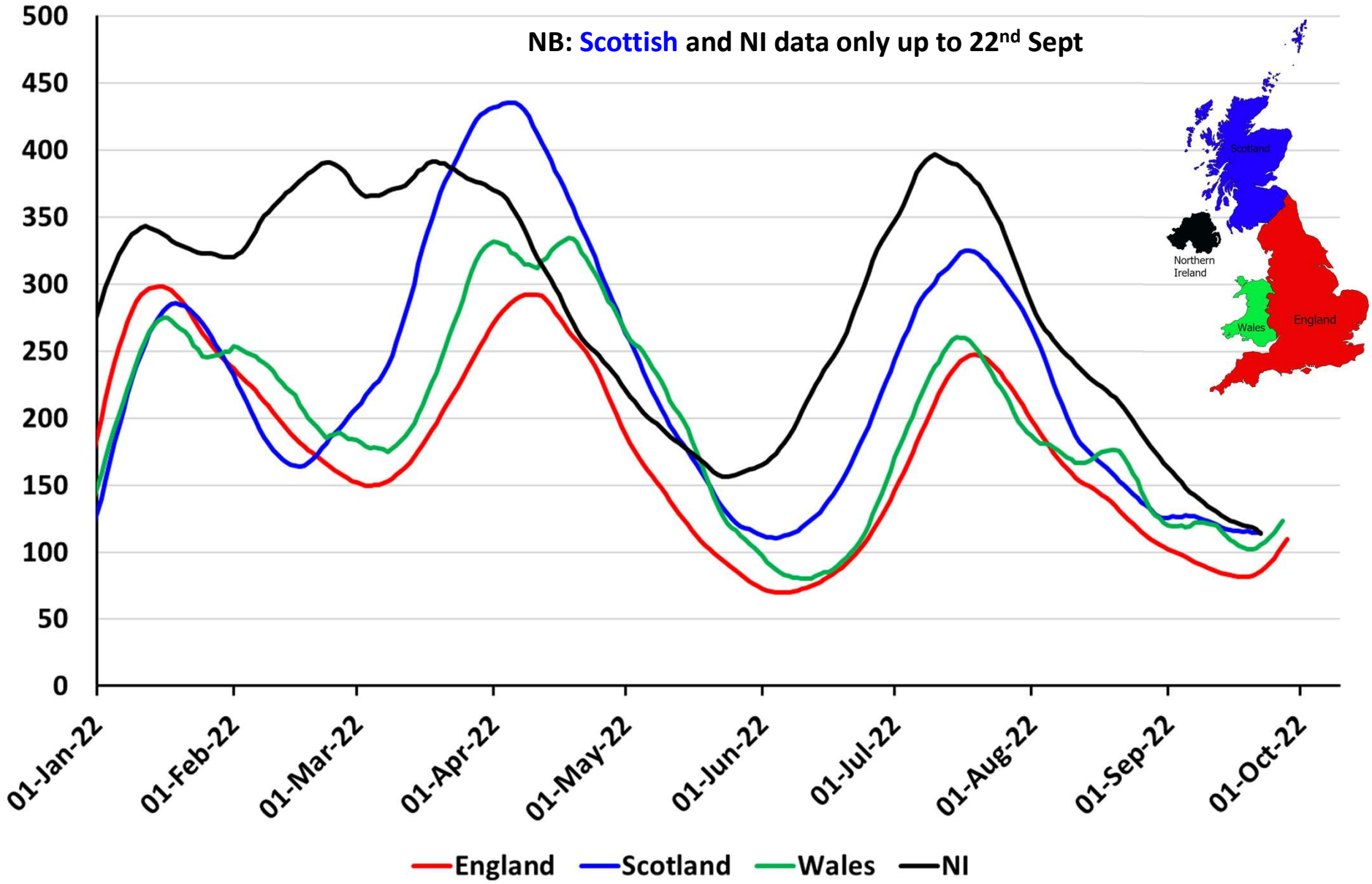
Number of people in hospital with Covid per million people – UK nations
7 day rolling average to 27 September 2022



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

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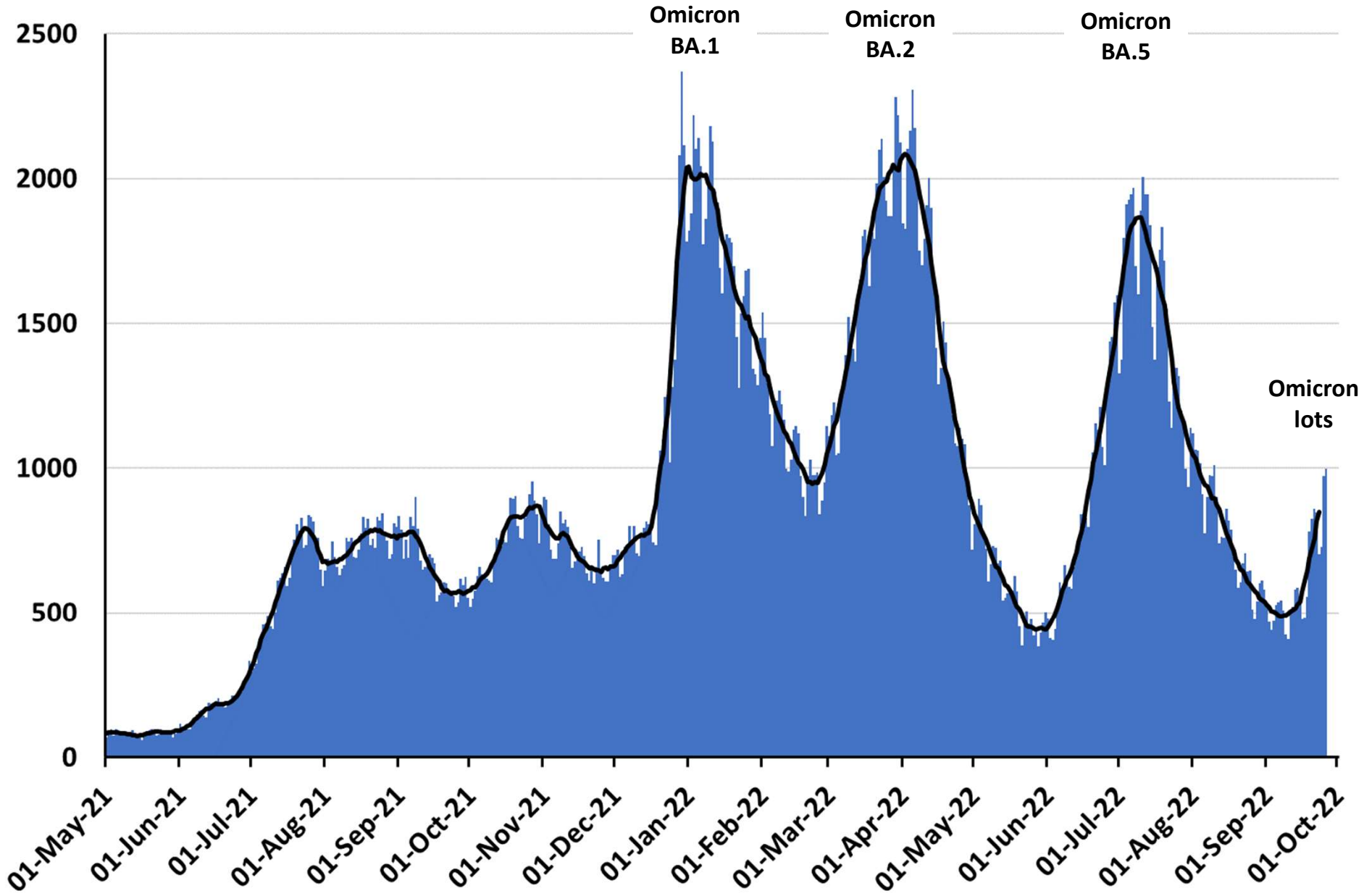
Number of daily hospital admissions with Covid in England to 26 Sept 2022



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

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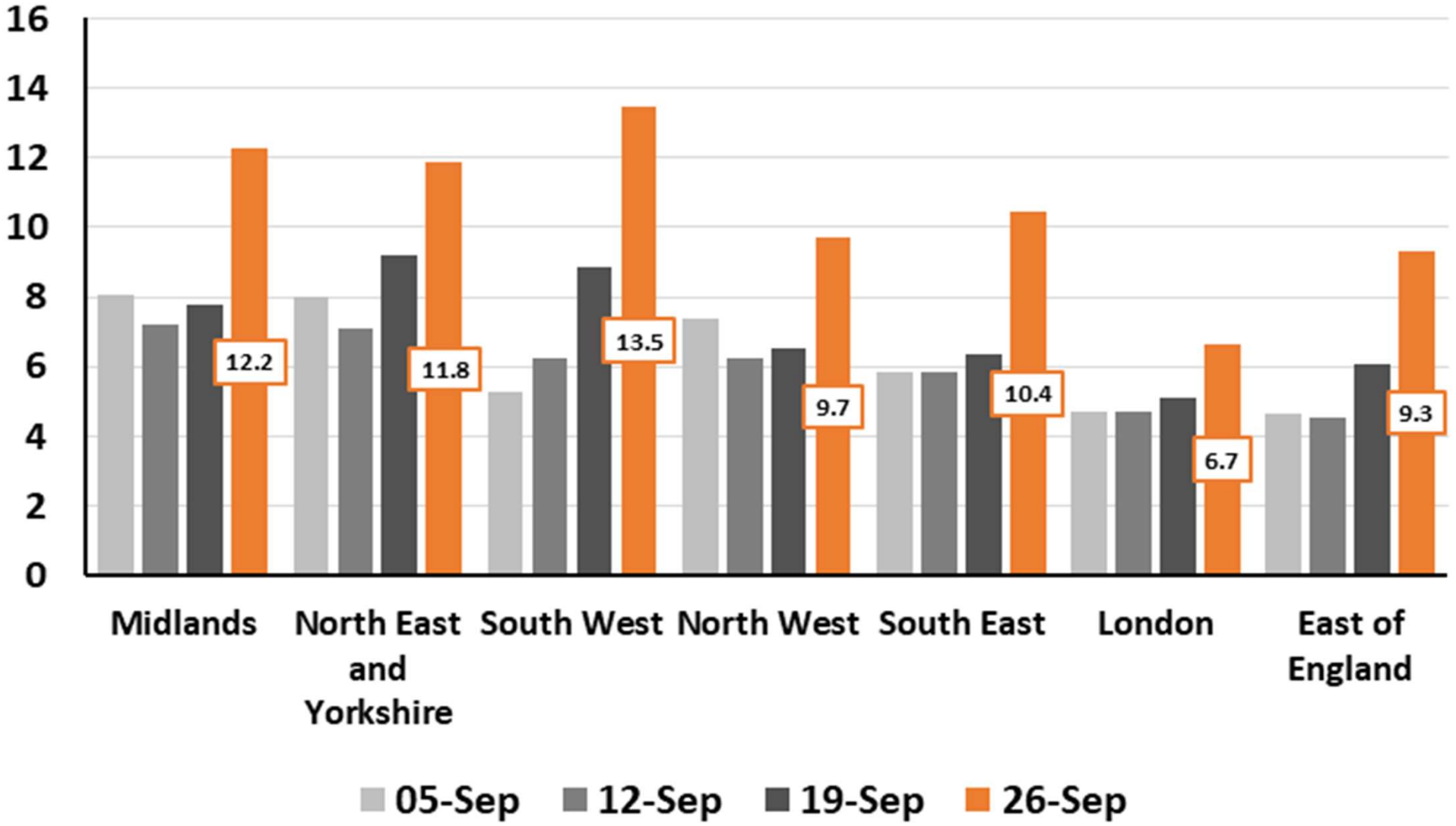
Seven Day Hospital Admissions Rate per 100,000 people by English regions: Recent Weekly Trend



Thanks to Bob Hawkins for the chart

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

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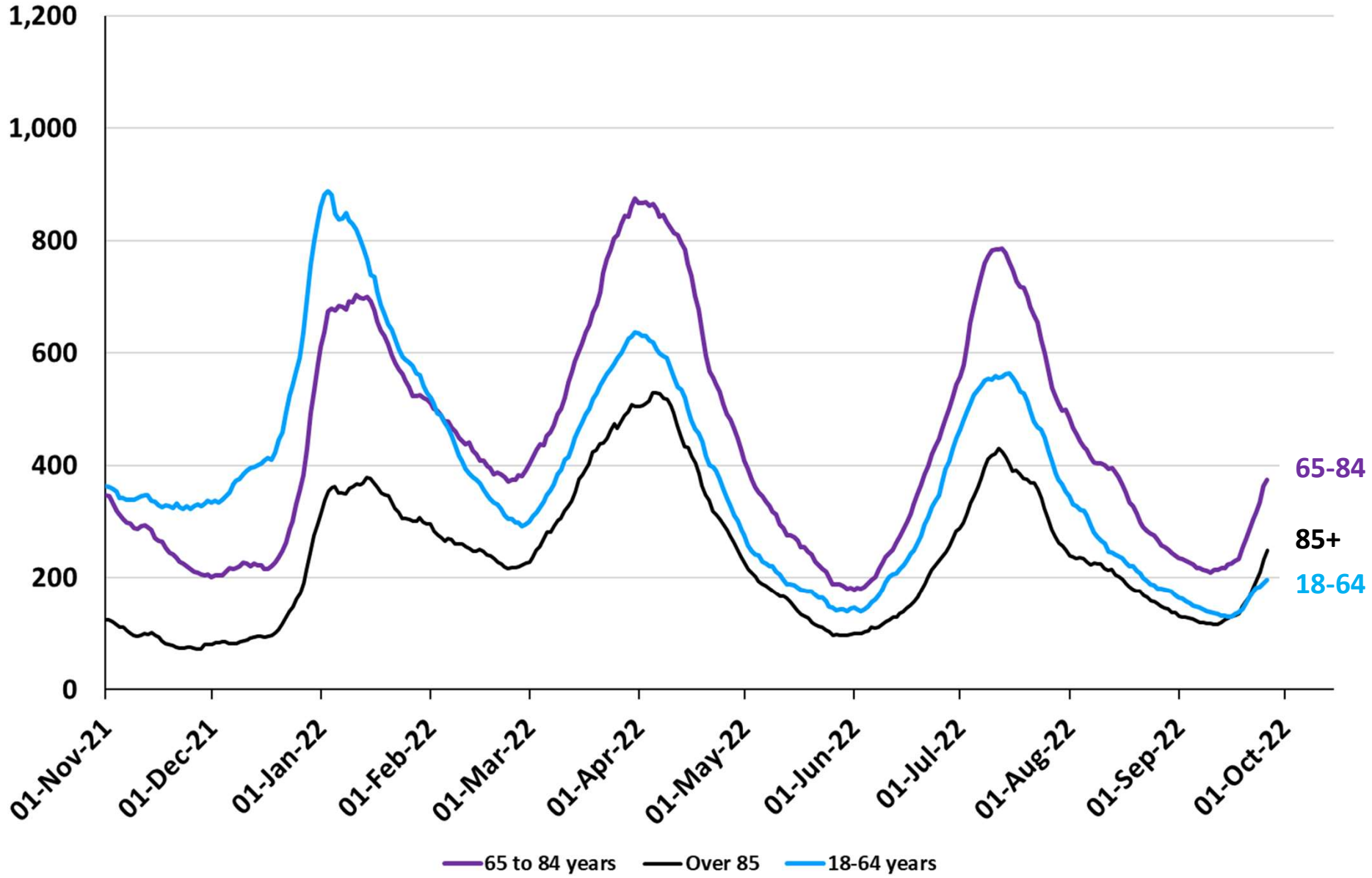
Number of daily hospital admissions with Covid in England for adults to 26 Sept 2022



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

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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)

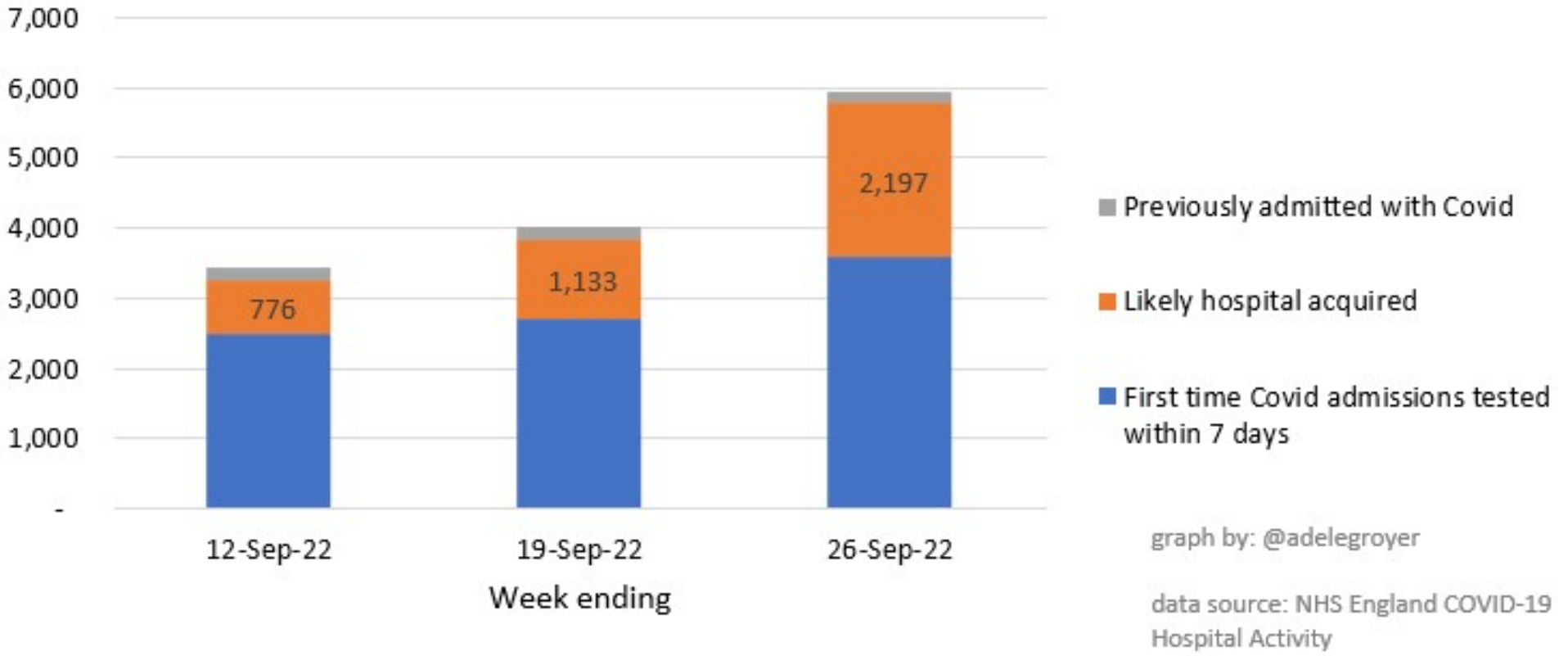
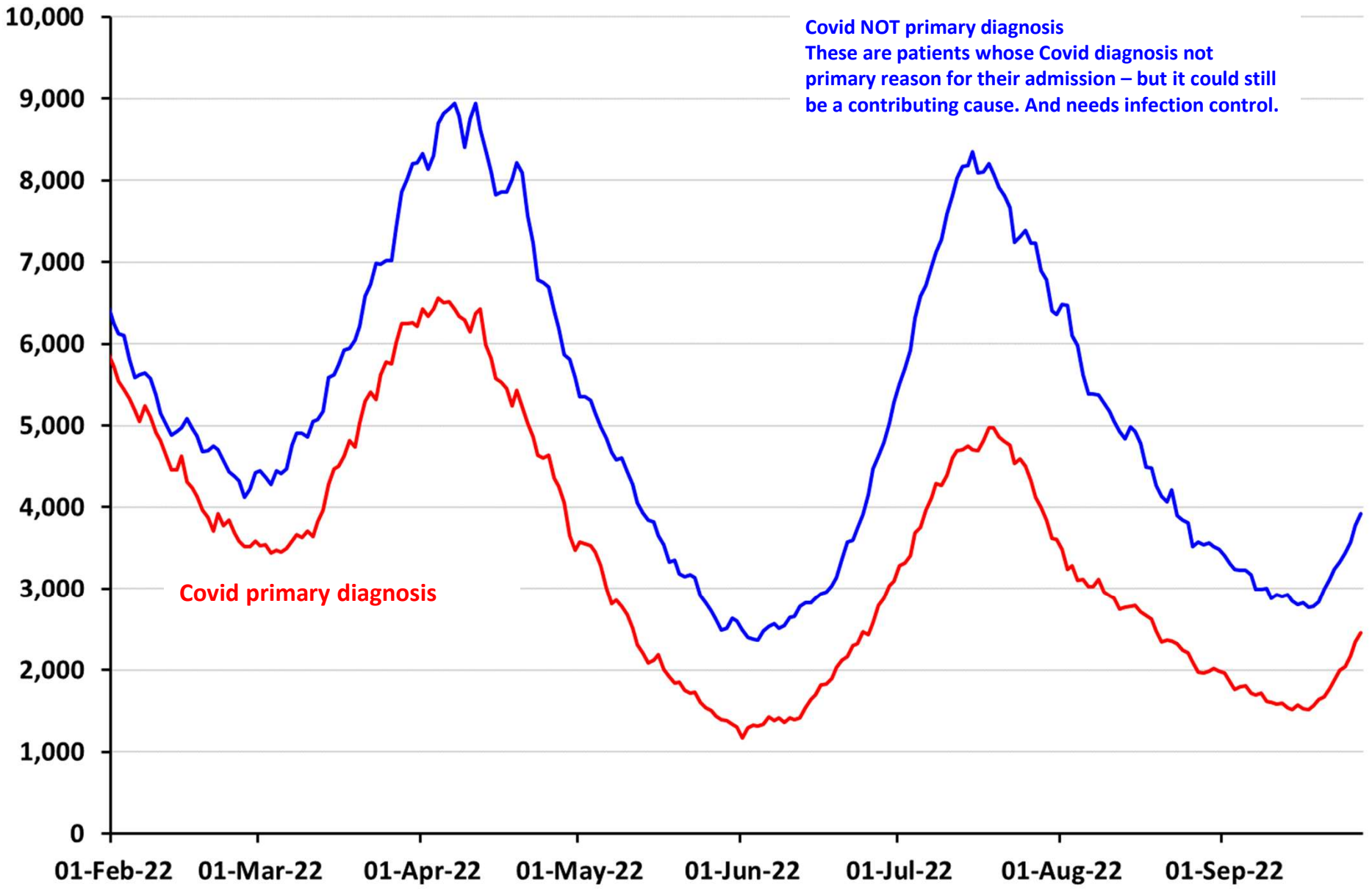


Chart by Adele Groyer, @adelegroyer, https://twitter.com/AdeleGroyer/status/1575408444701548544?s=20&t=dI8bimWhYNPcN3oUvR70Iw

Number of people in hospital with Covid in England by primary reason to 27 September 2022



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

Deaths

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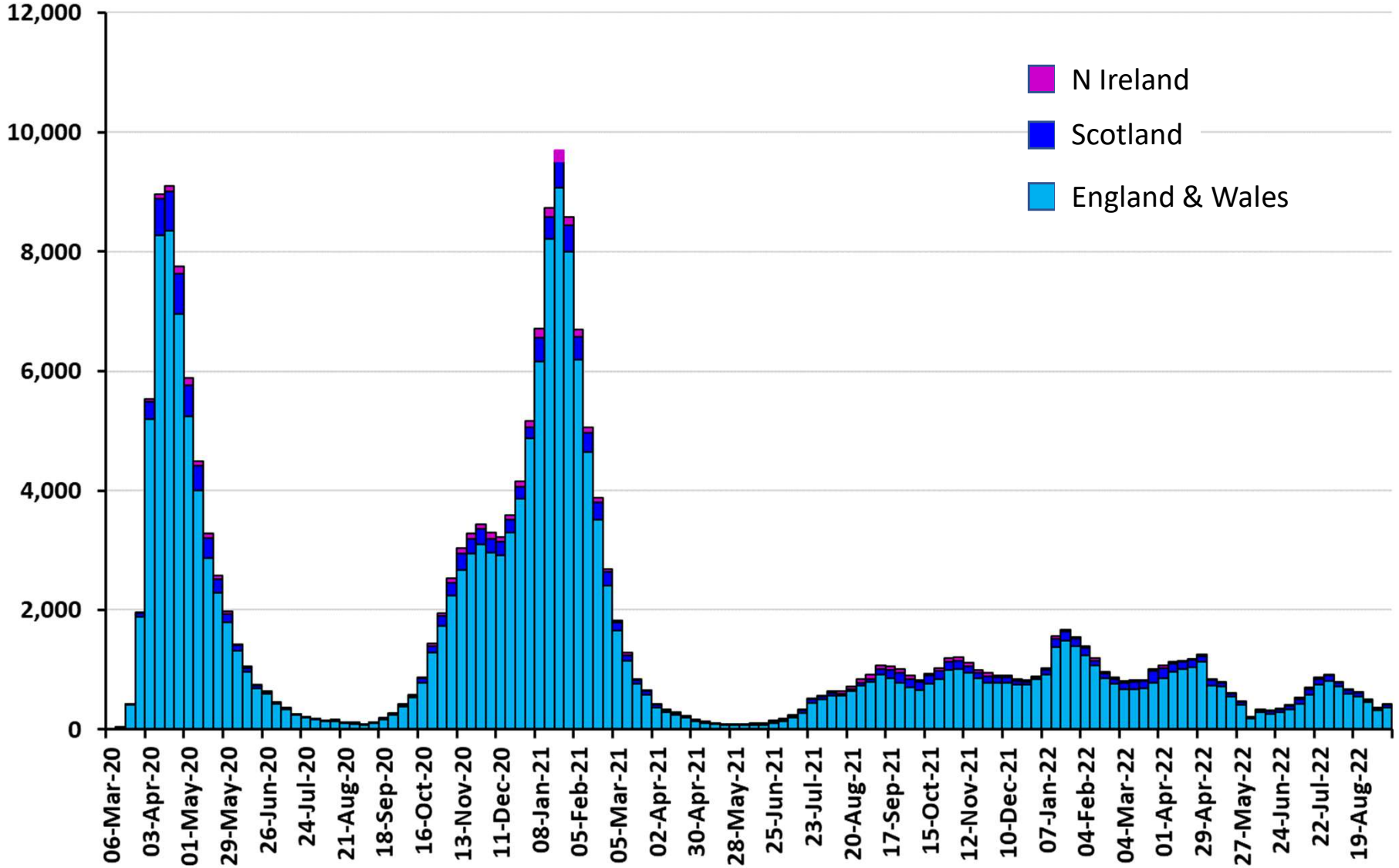
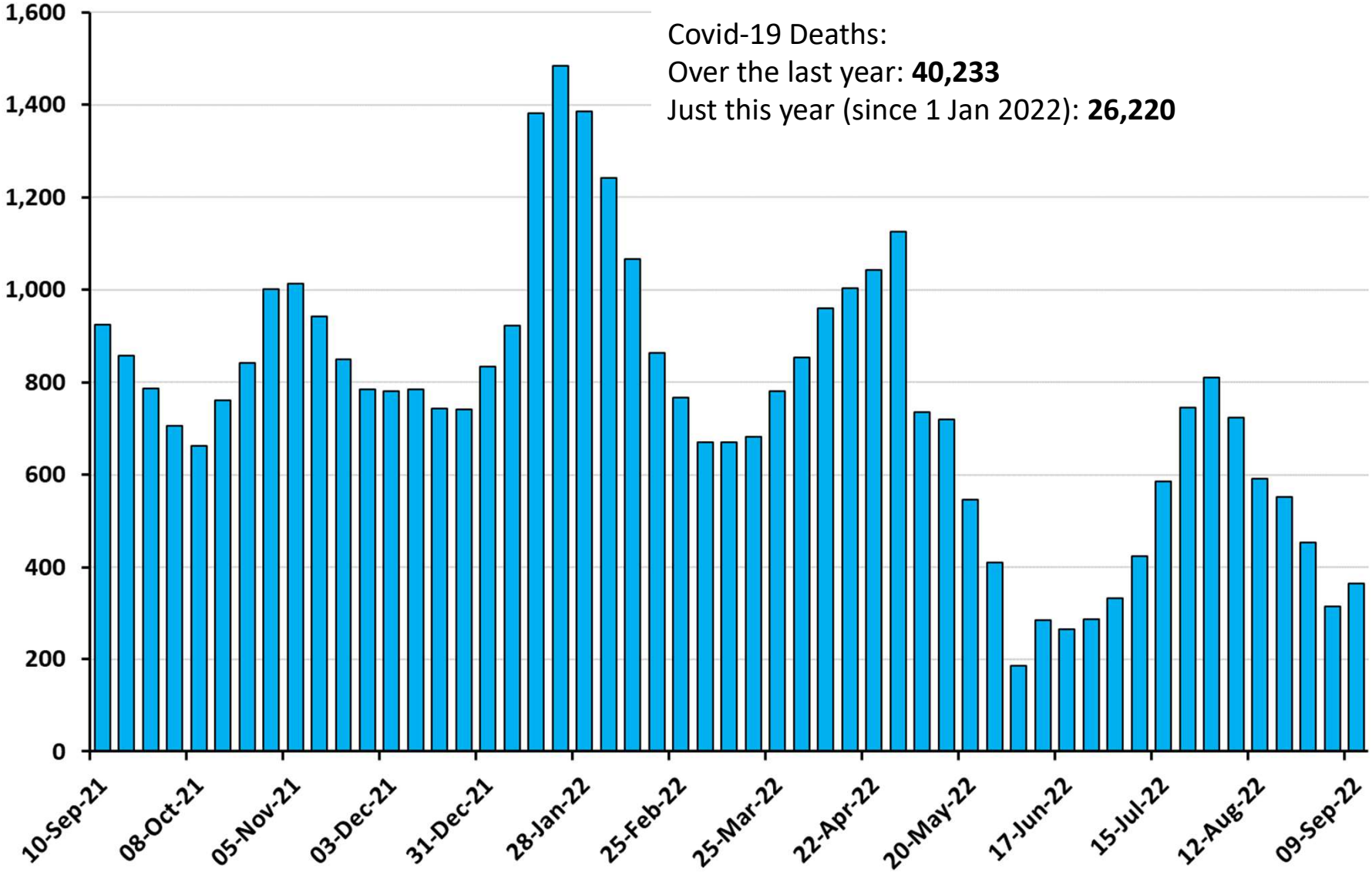
Number of deaths with Covid on the death certificate by week registered in the UK to 9 September 2022



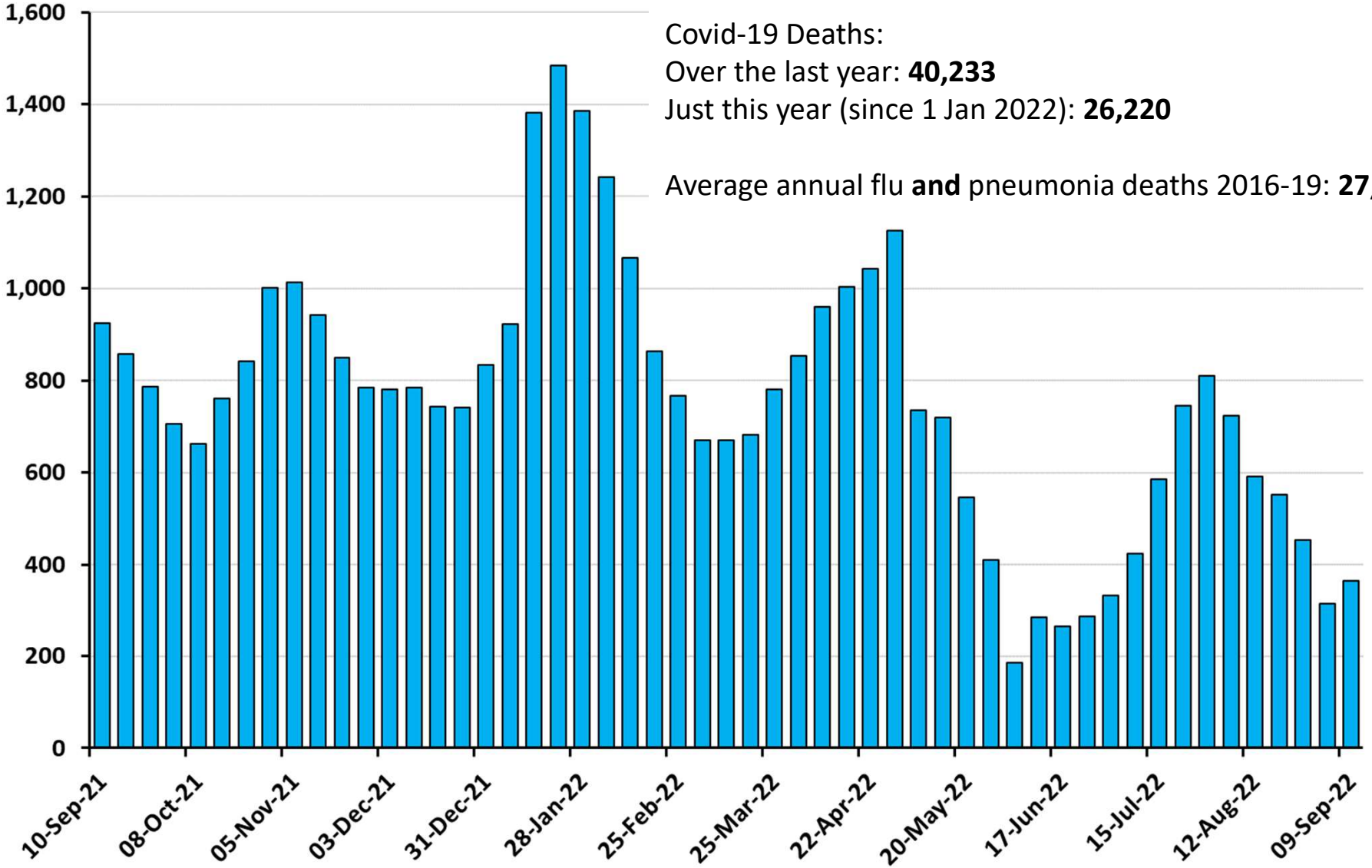
Data from :
England and Wales: www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest
Scotland: https://data.gov.scot/coronavirus-covid-19/detail.html
Northern Ireland: www.nisra.gov.uk/publications/weekly-deaths

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



Data from :
England and Wales: www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/bulletins/deathsregisteredweeklyinenglandandwalesprovisional/latest

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

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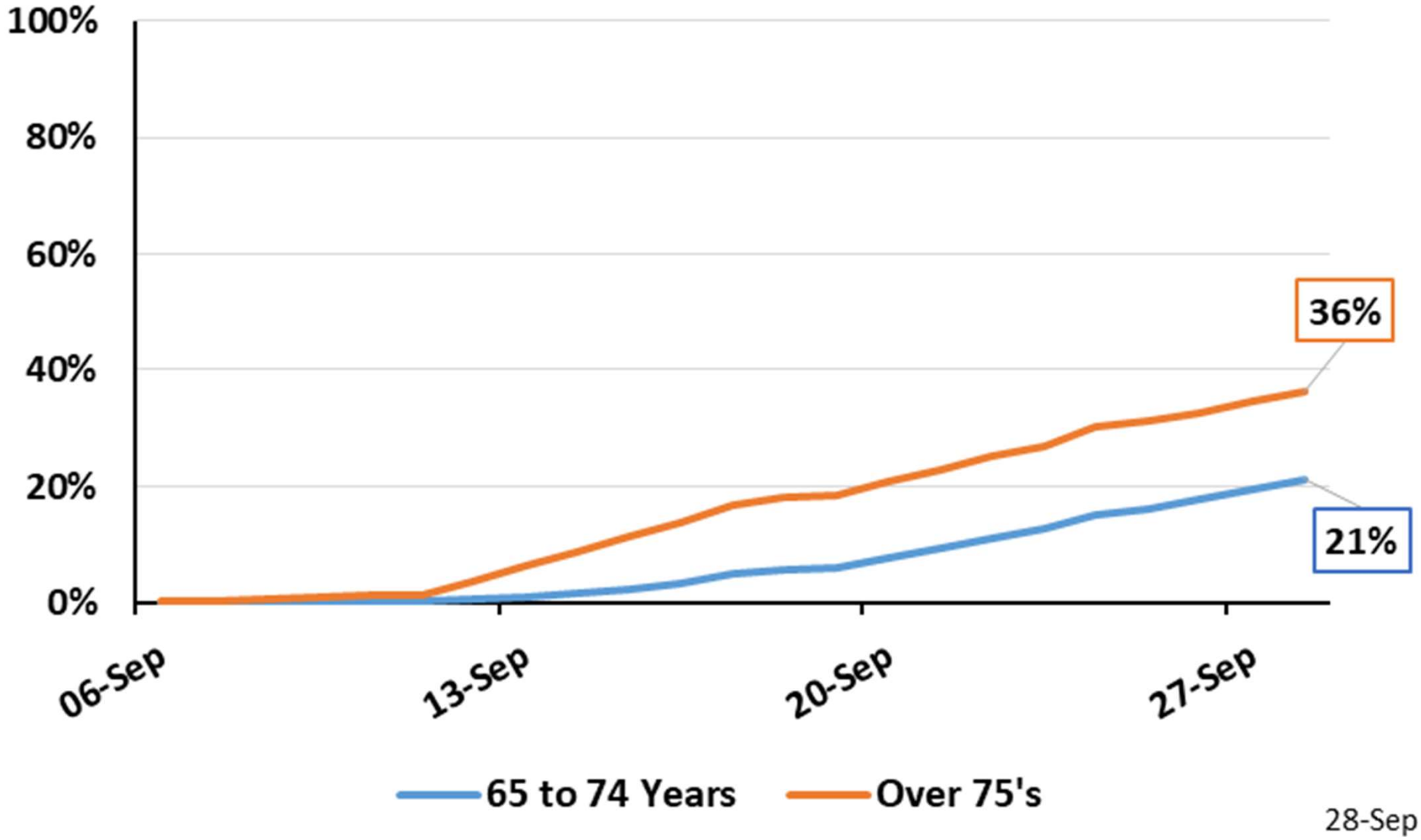
Autumn 2022 Booster Coverage for 65 to 74 Year Olds and Over 75's in England: Sep 4 to Sep 28, 2022

(Source: Covid Dashboard and ONS 2020 Population Estimates)



https://coronavirus.data.gov.uk/

Thanks to Bob Hawkins for the chart

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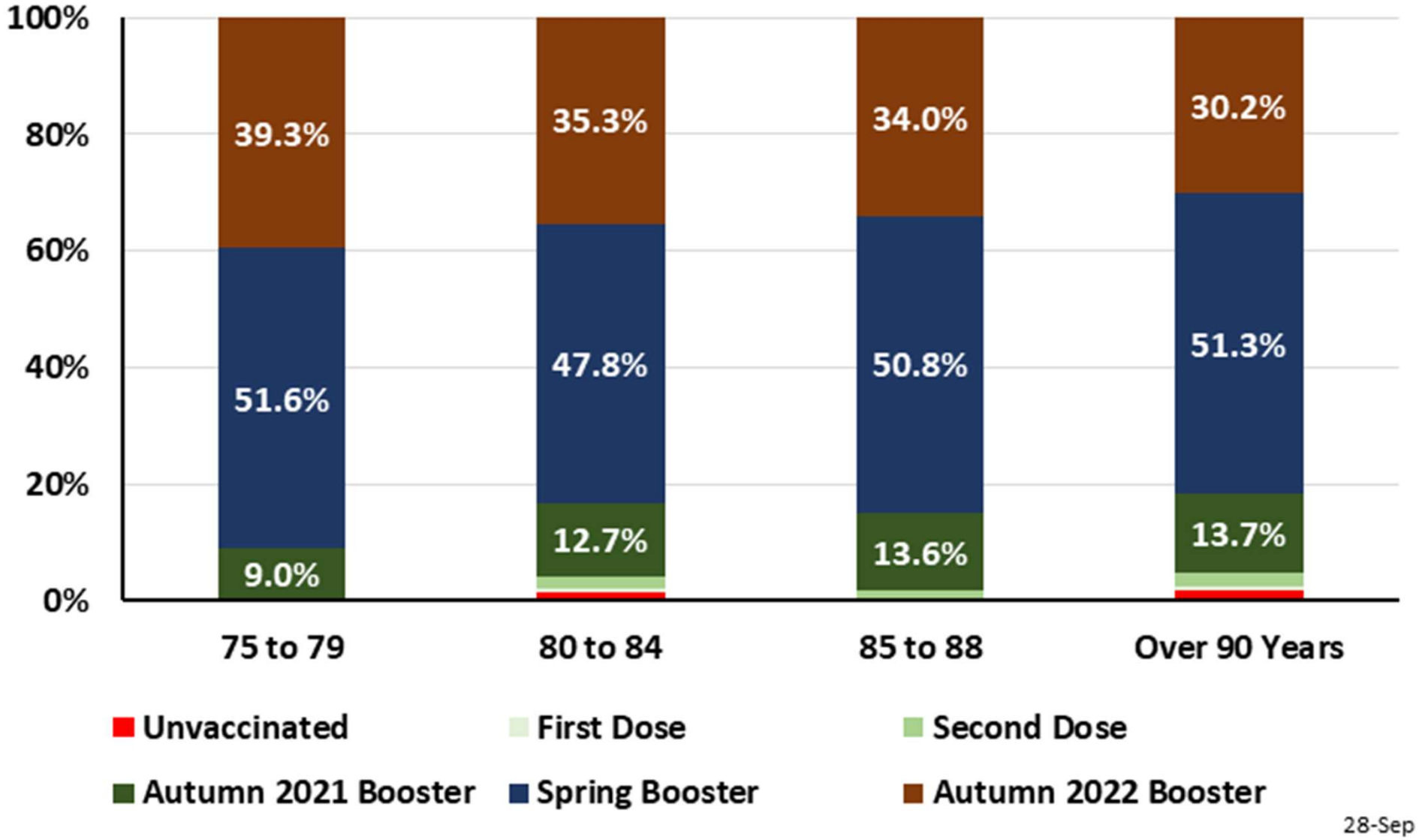
Vaccination Coverage for Over 75 Age Groups in England Sep 28, 2022

(Source: NHS England Vaccination Daily Report and ONS 2020 Population Estimates)



https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-vaccinations/

Thanks to Bob Hawkins for the chart

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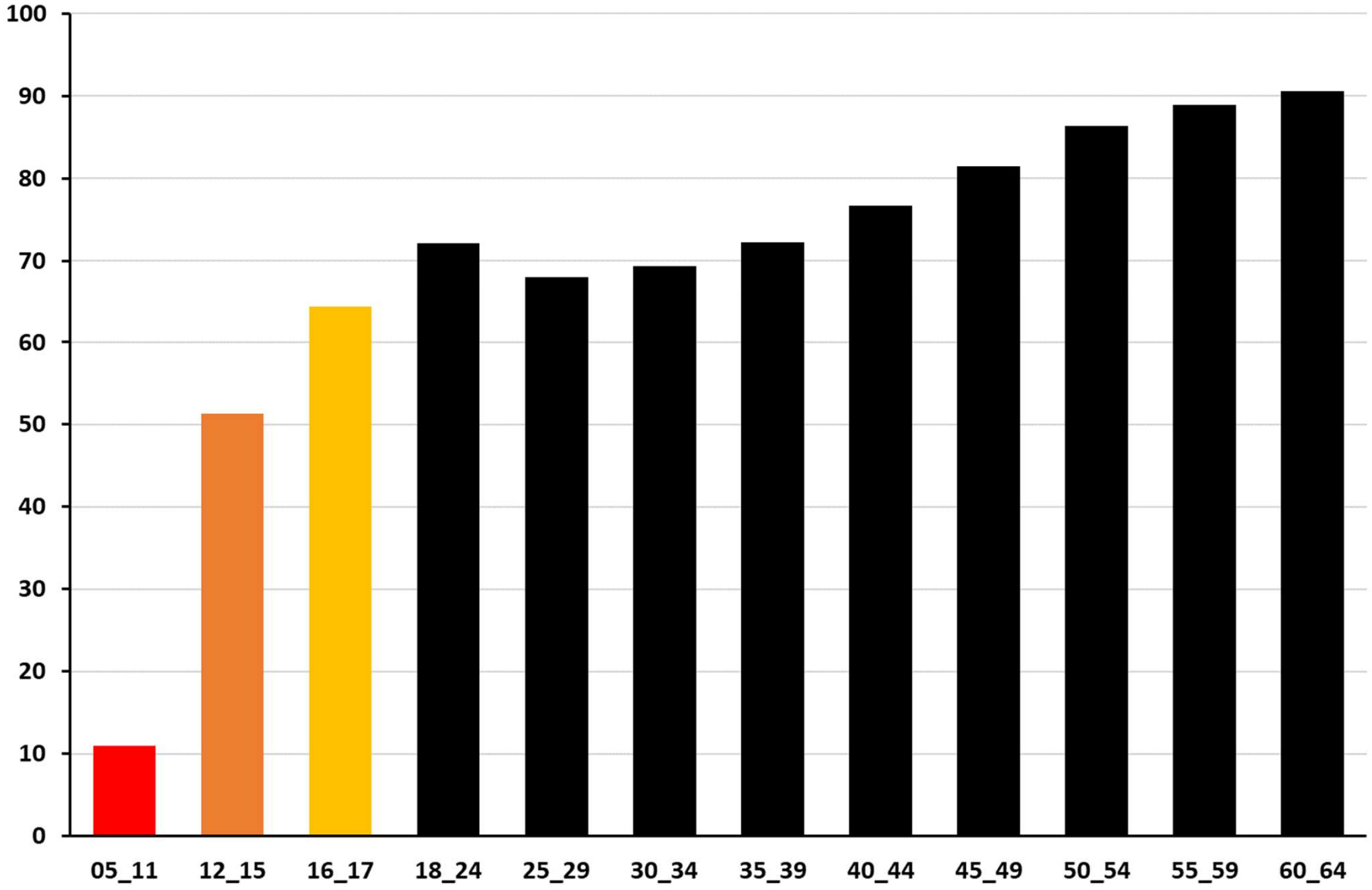
Vaccination (1st dose) Coverage by age for under 65s in England as at Sep 28, 2022

(Source: NHS England Vaccination Daily Report and NIMS Population Estimates)



https://api.coronavirus.data.gov.uk/v2/data?areaType=nation&areaCode=E92000001&metric=vaccinationsAgeDemographics&format=csv

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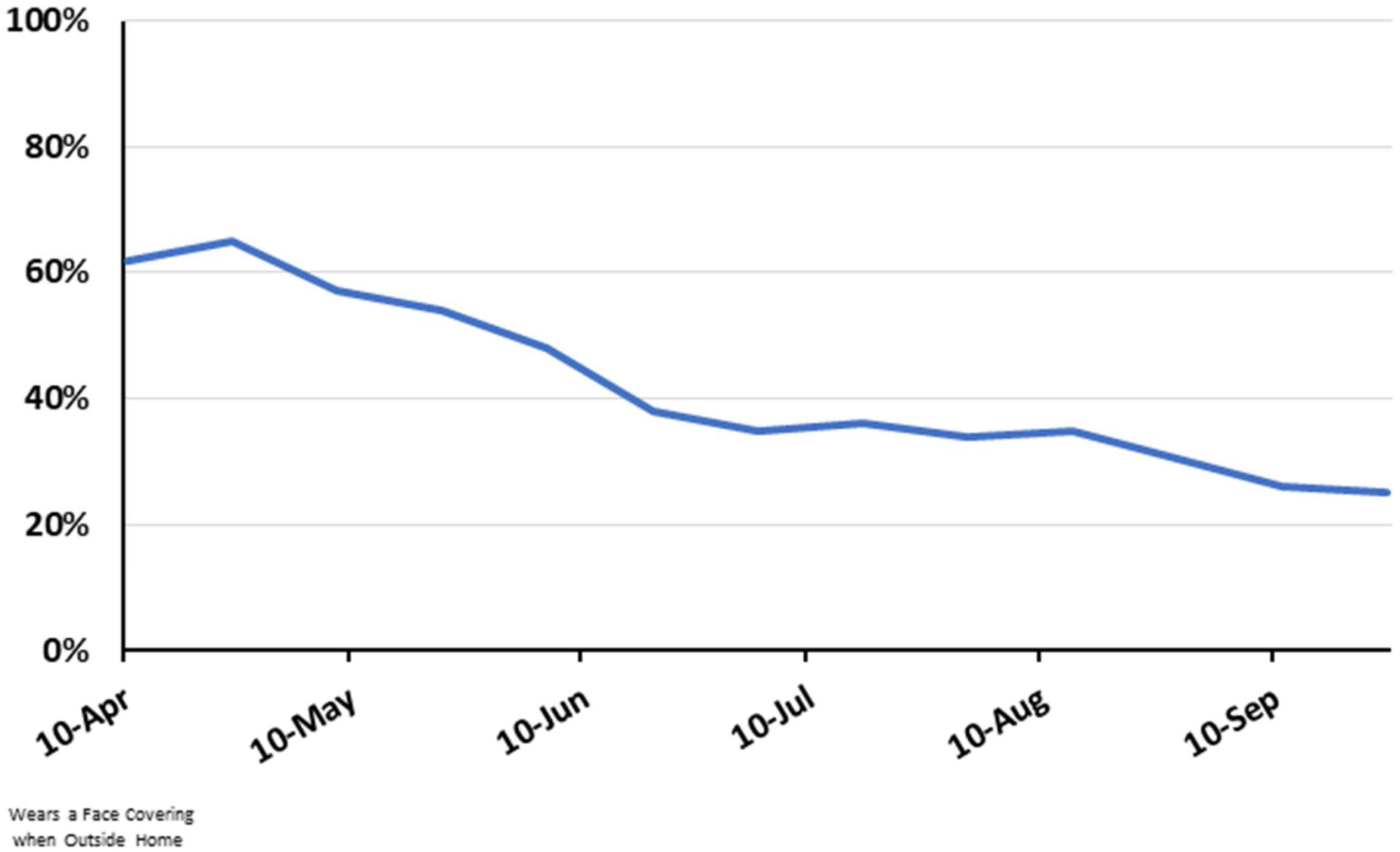
Percent of People who Wear Face Coverings when Outside Home
Week Ending Apr 10 to Sep 25, 2022

(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

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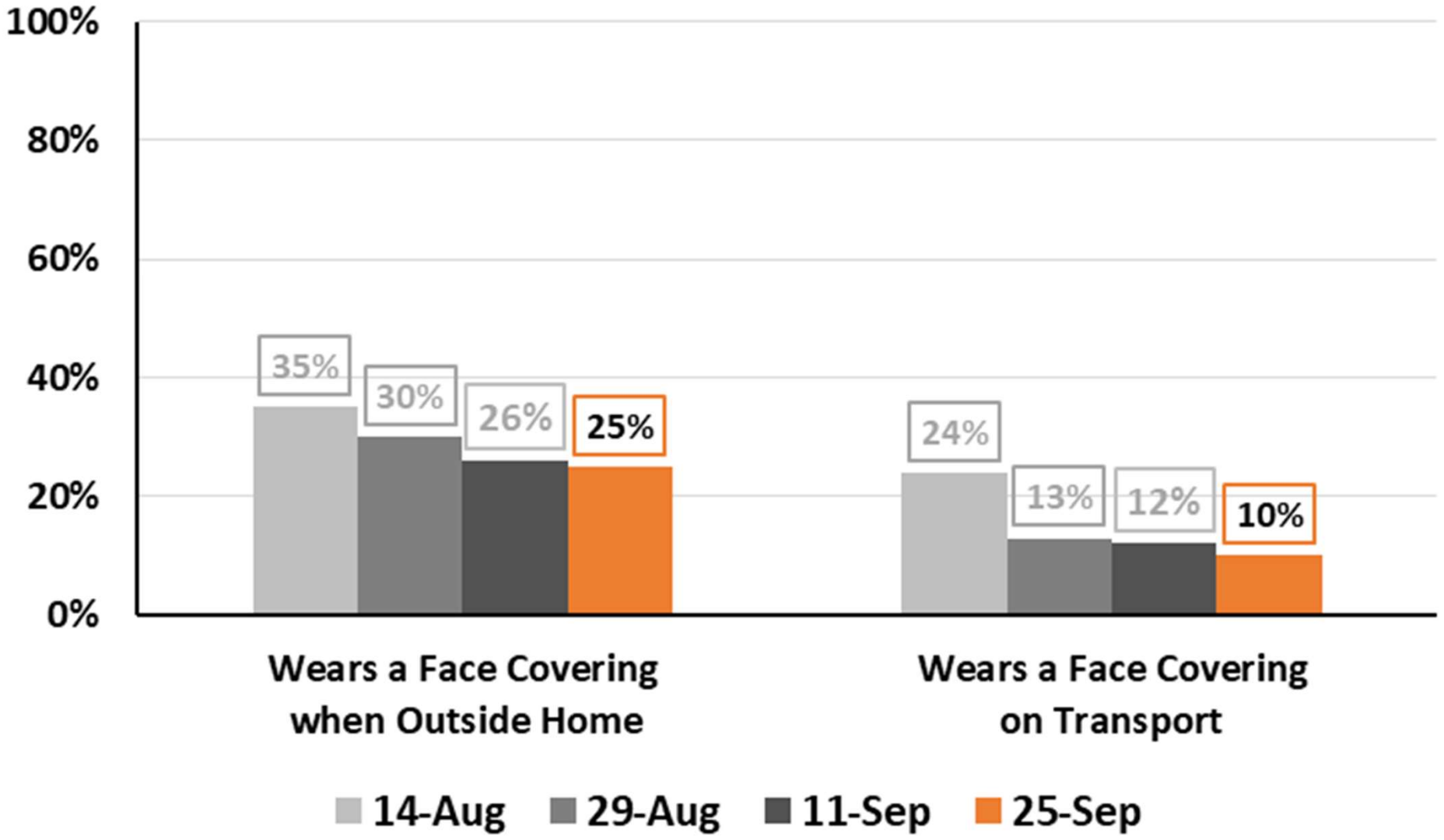
Percent of People who Wear Face Coverings when Outside Home and On Public Transport -- Recent Trends

(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

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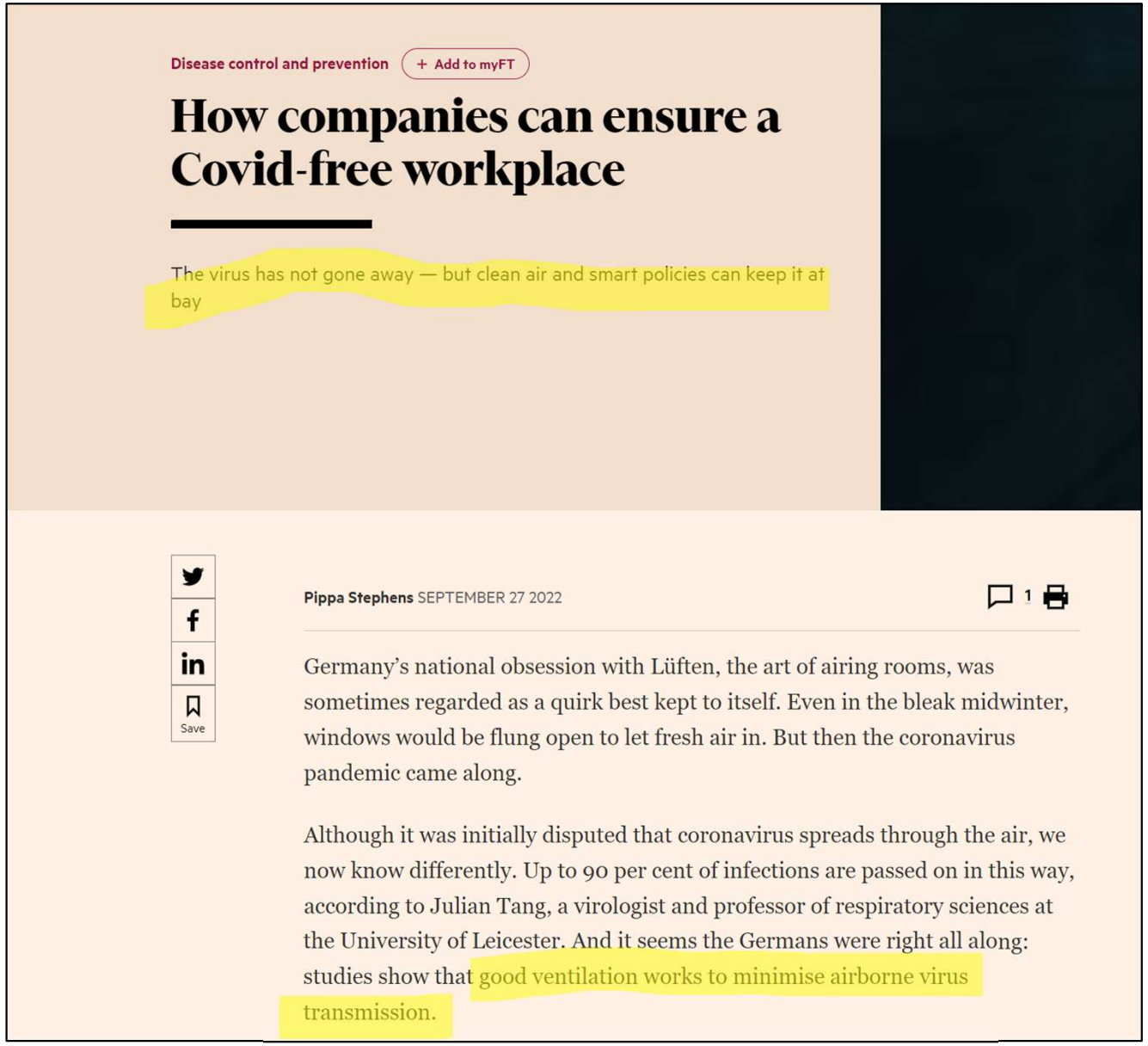
Mitigations matter, because people being able to work and lead their daily lives matters



Disease control and prevention + Add to myFT

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

Save

Pippa Stephens SEPTEMBER 27 2022

1

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

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Mitigations matter, because people being able to work and lead their daily lives matters

Financial Times, 27 September 2022, https://www.ft.com/content/bdebb5ee-fb91-49d3-a36b-f35d490874cf

Children and long covid

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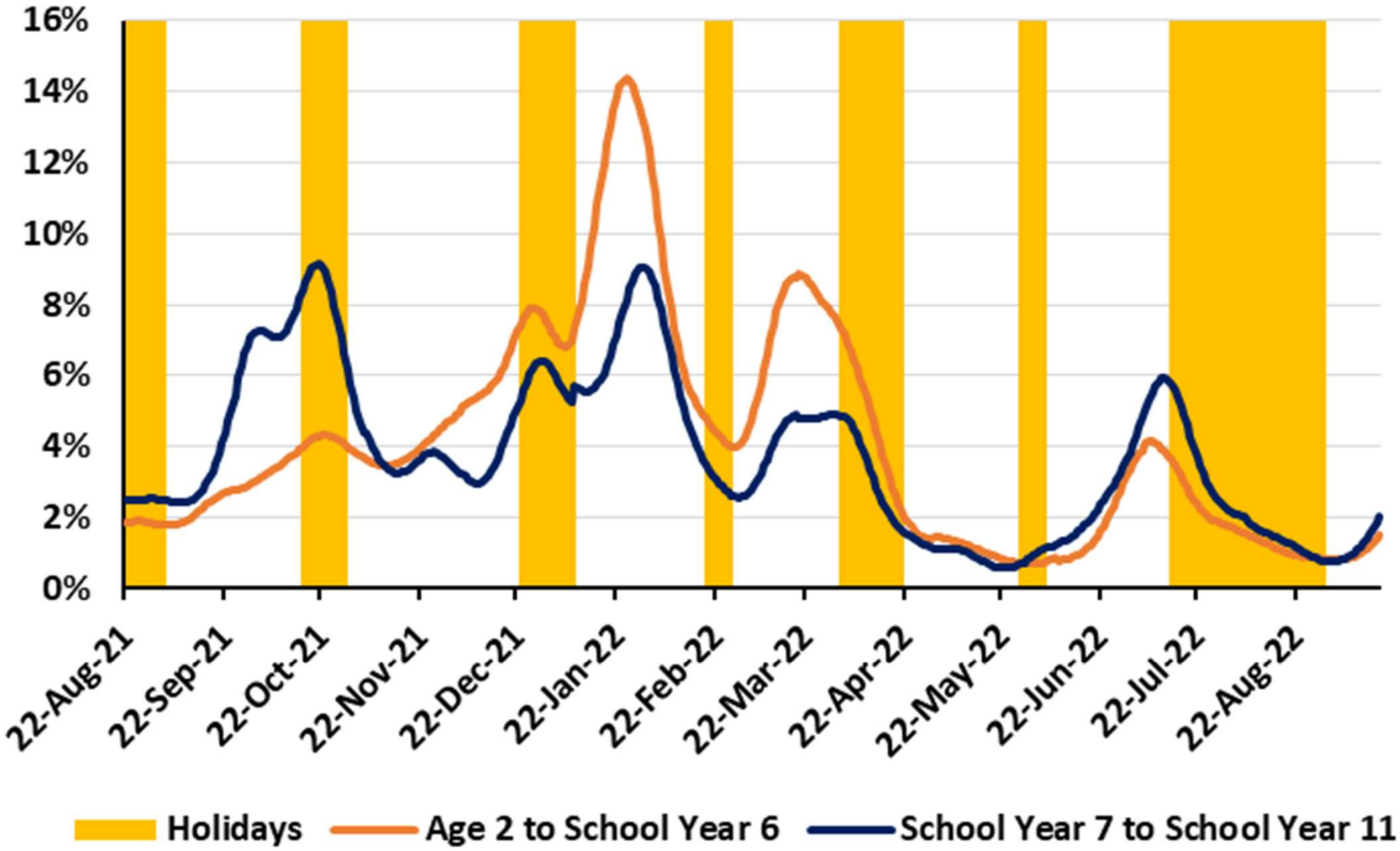
Percent Testing Positive by School Age in England
22 Aug 2021 to 17 Sep 2022

(Source: ONS Coronavirus (COVID-19) Infection Survey results)



Thanks to Bob Hawkins for the chart

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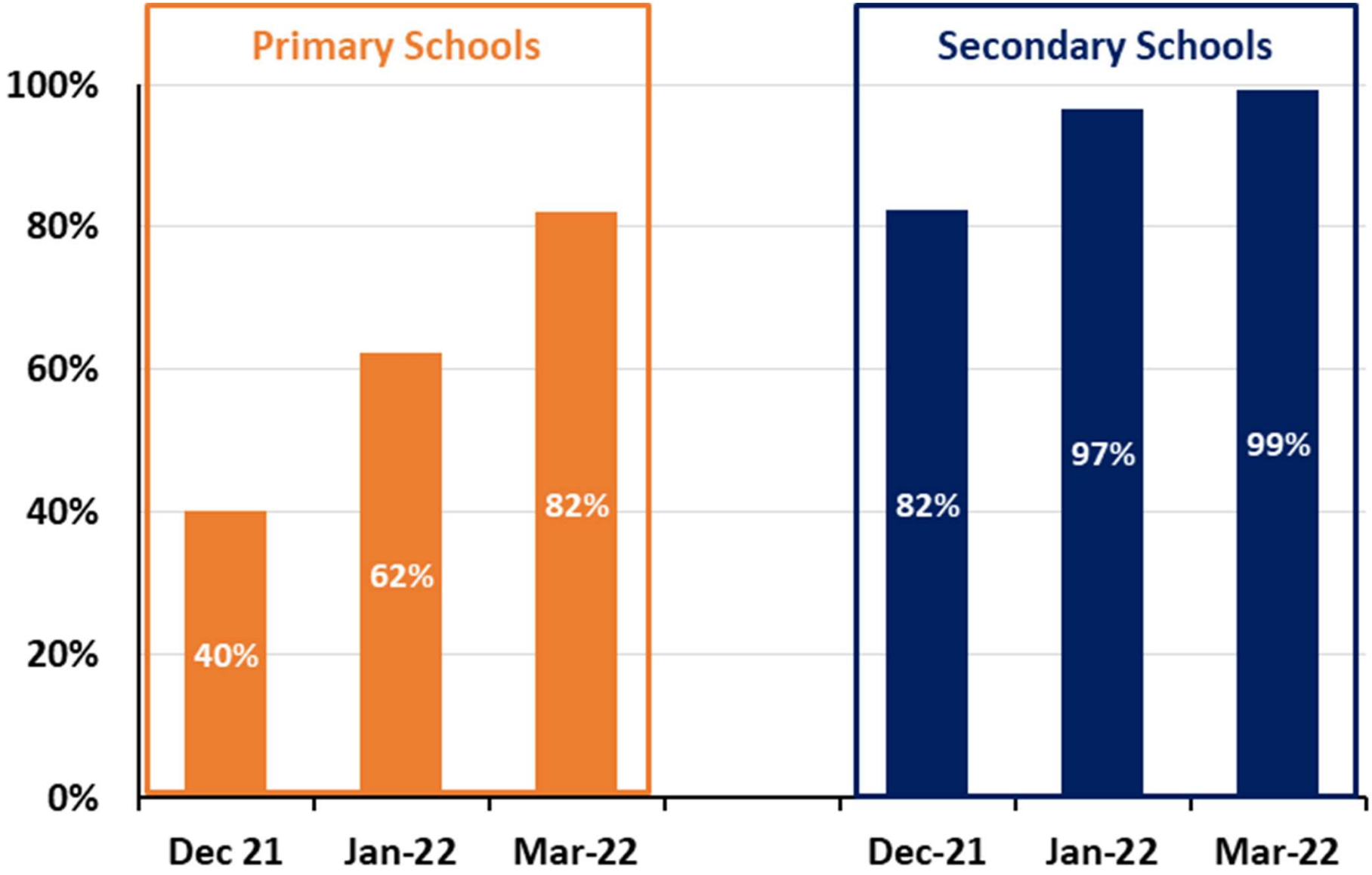
Percent of Primary and Secondary Pupils estimated to have antibodies against Covid for England: Dec 2021 to Mar 2022

(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

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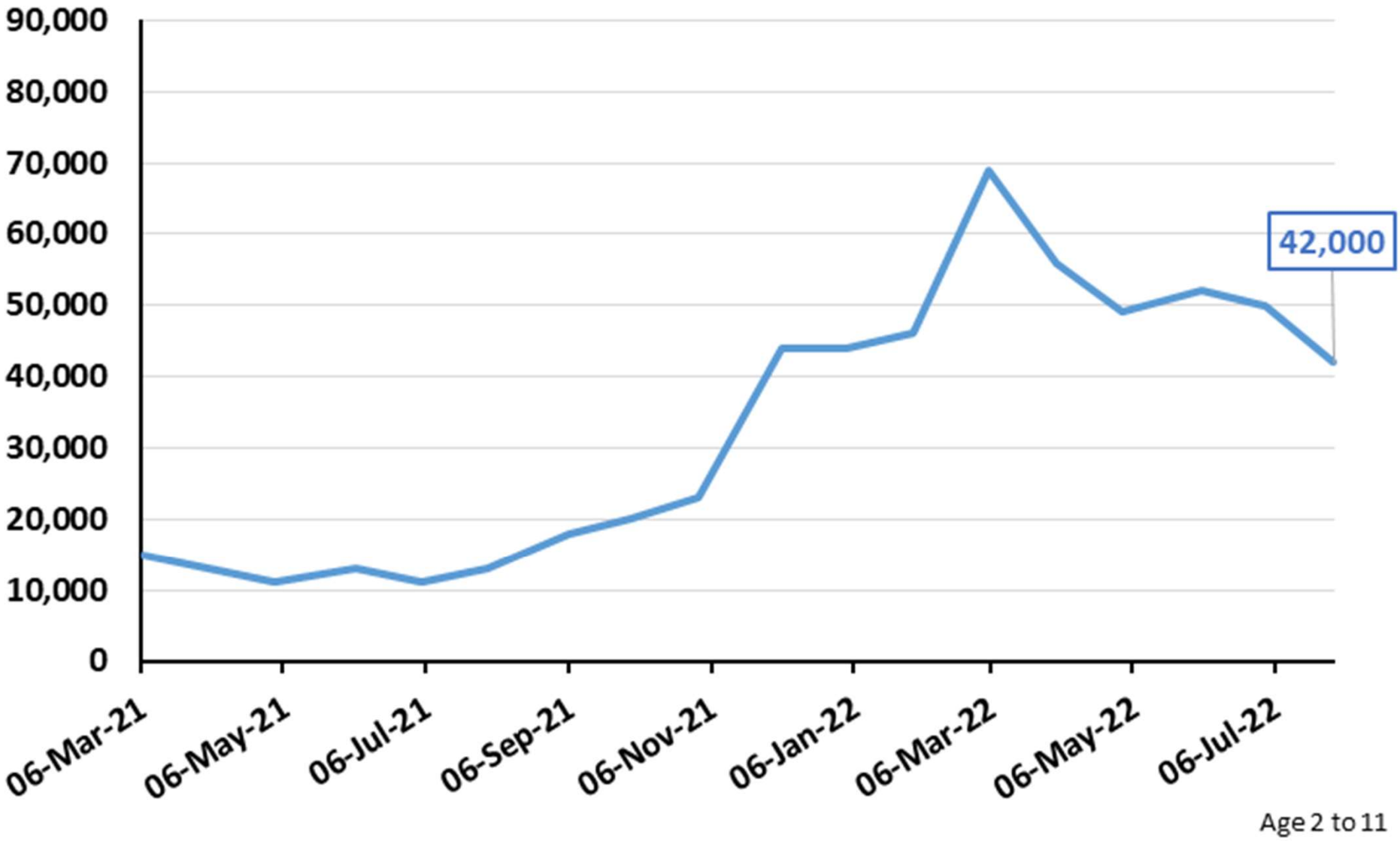
Number of 2-11 Year Olds Living with Self-Reported Long Covid in the UK: infections from Mar 6, 2021 to Jul 31, 2022

(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

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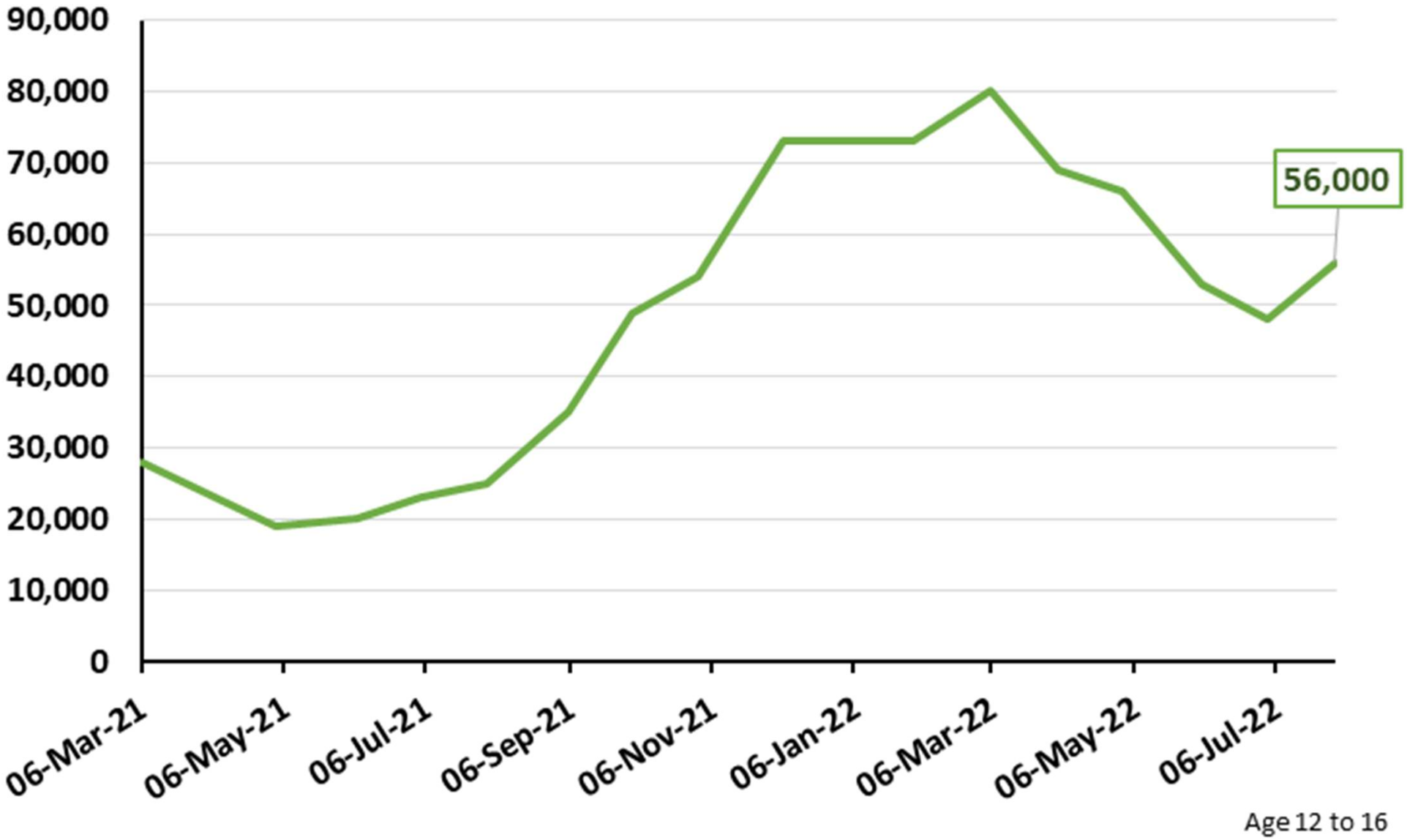
Number of 12-16 Year Olds Living with Self-Reported Long Covid in the UK: infections from Mar 6, 2021 to Jul 31, 2022

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



Thanks to Bob Hawkins for the chart

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

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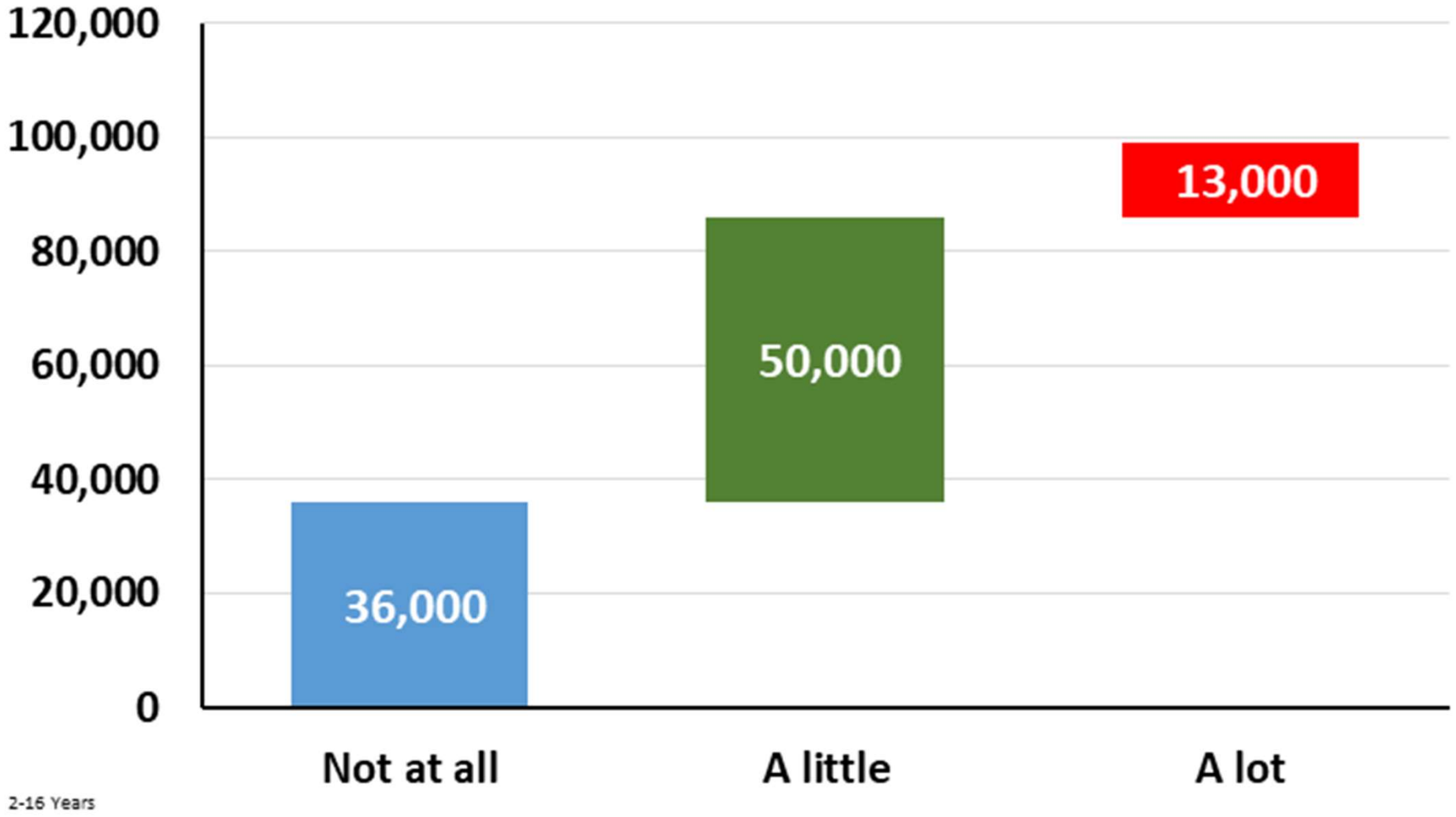
Impact on 2-16 Year Olds Living with Self-Reported Long Covid in the UK: Jul 3 - Jul 31, 2022

(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

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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.