

Latest numbers on COVID-19 in the UK – 19th March 2021

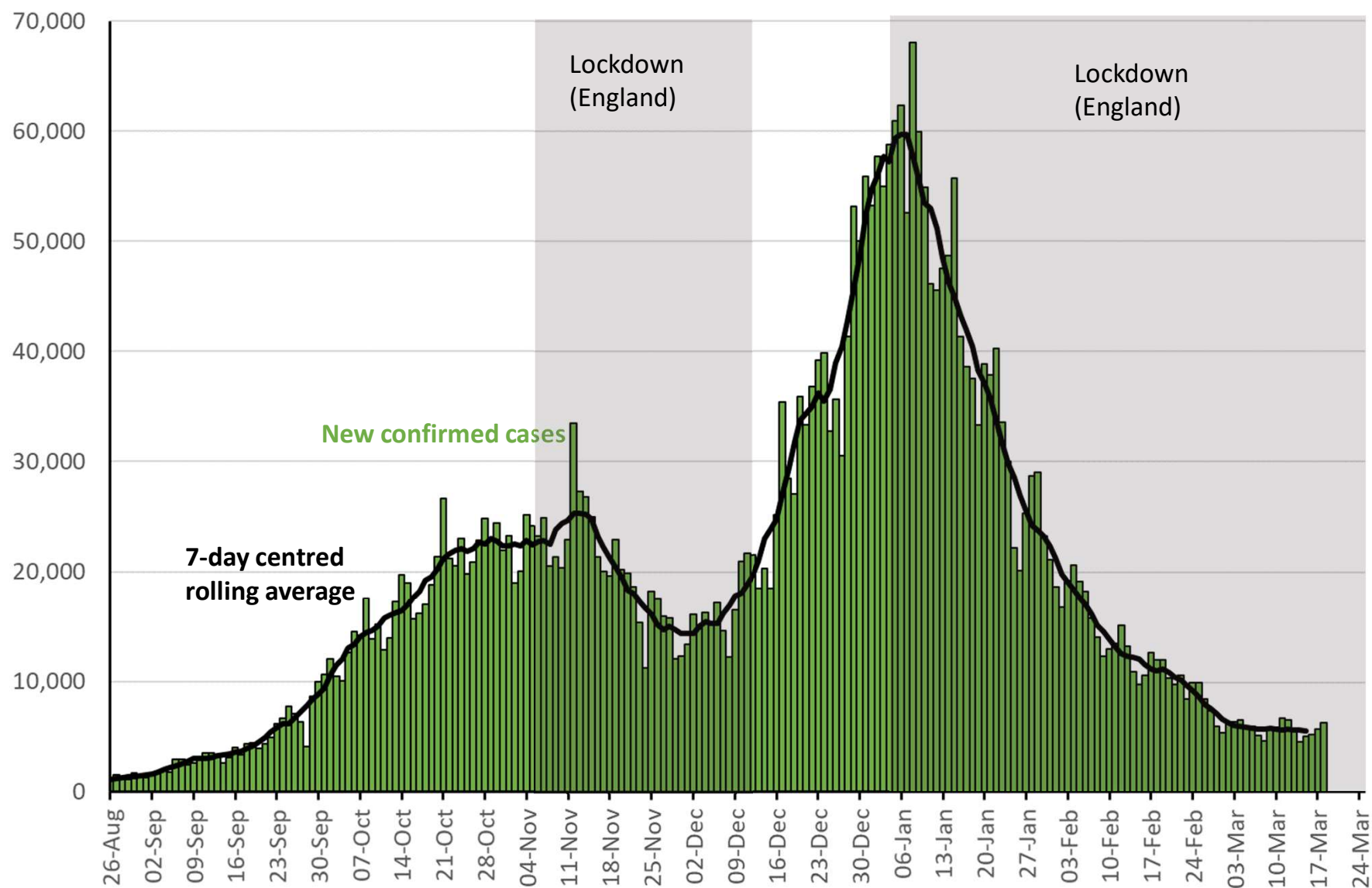
A mixed week – some good news but also some less good news.

1. Cases
2. Hospitalisations & Deaths
3. Vaccinations
4. Schools
5. European picture

With many thanks to Bob Hawkins, Luke Shepherd and Catherine Finnecy for their help in collating the data and discussions on interpretation.

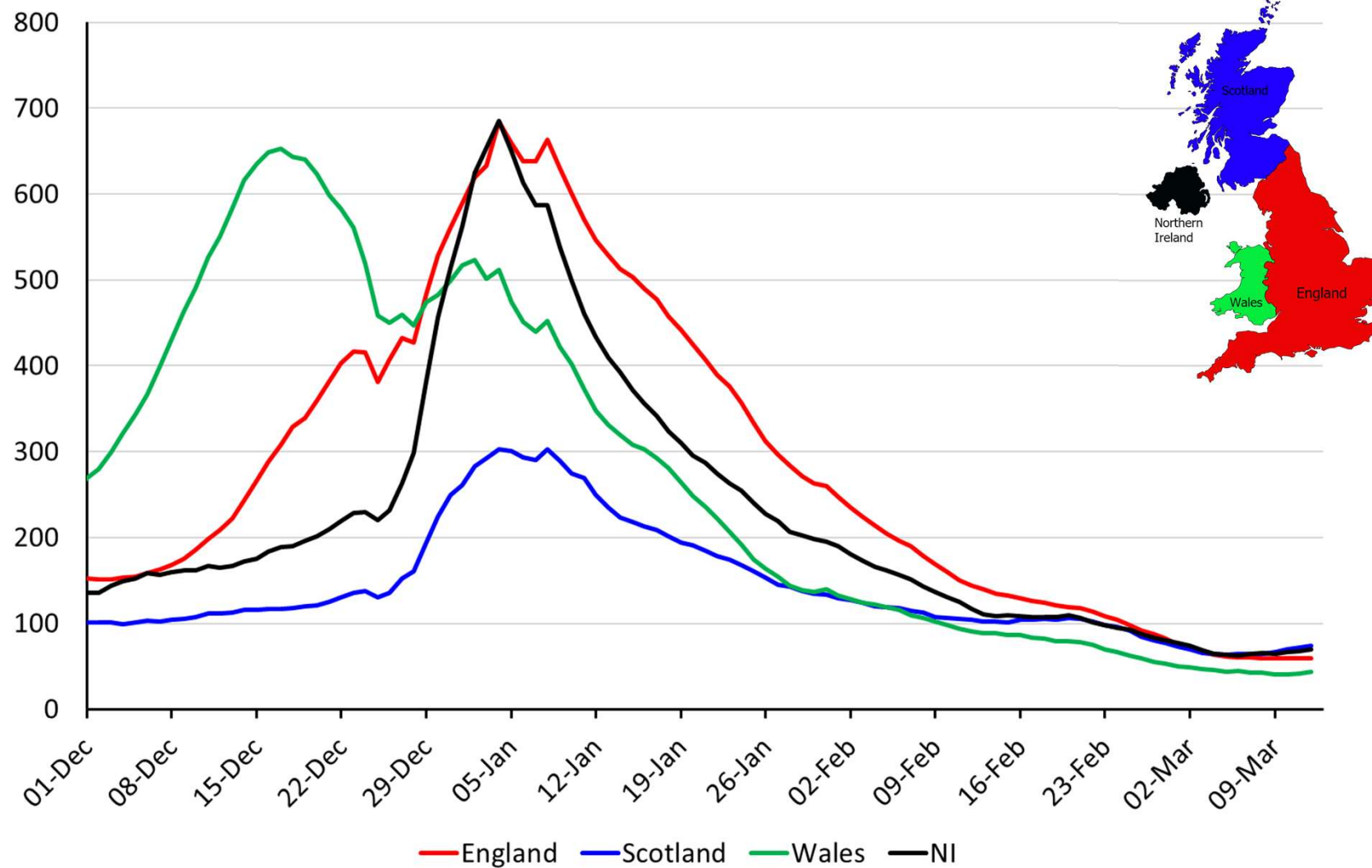
Cases

Number of new UK confirmed COVID-19 cases by reported date (people who have had a positive test)



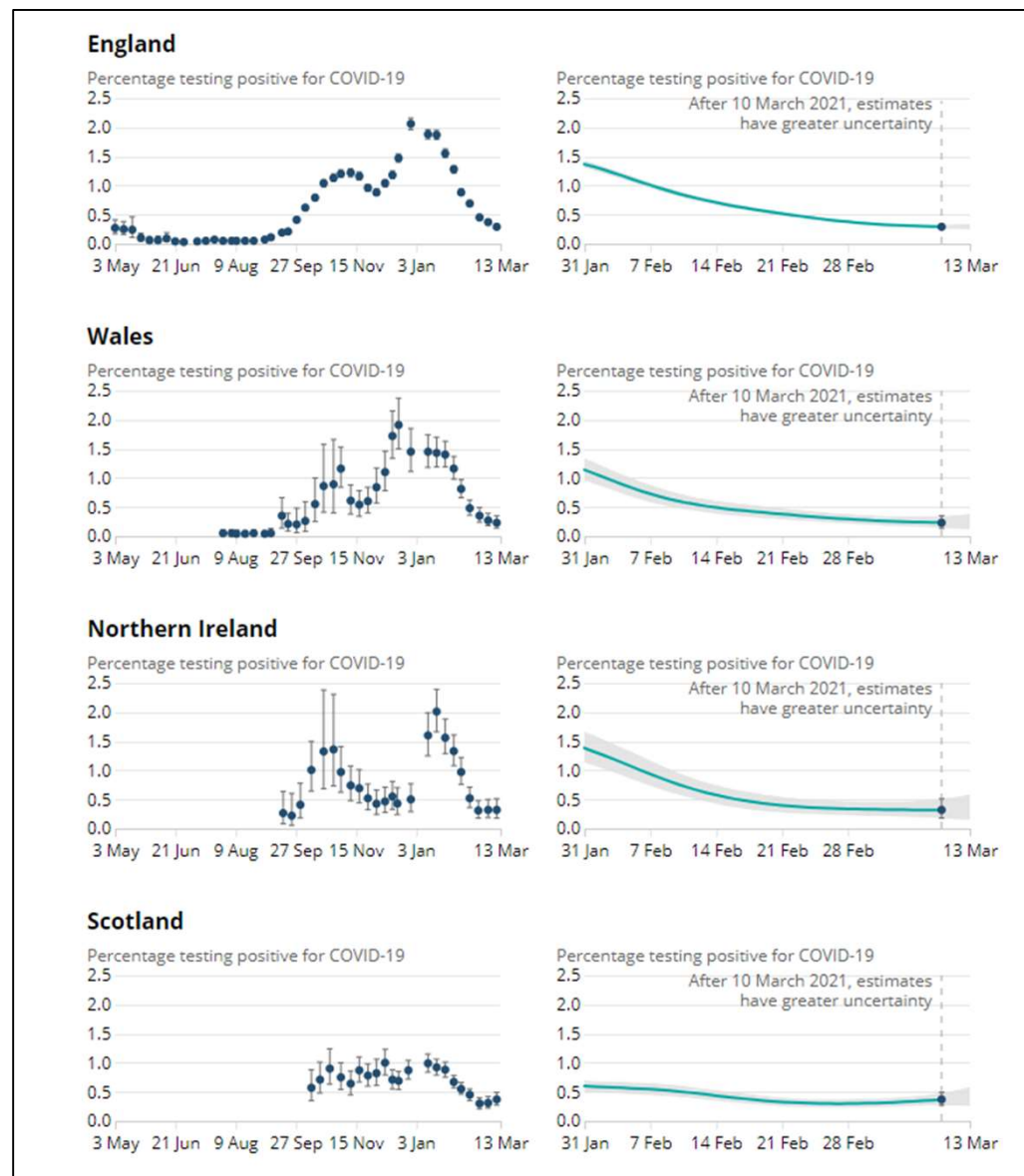
Case rates – UK nations – by date of test to 13th March

Number of cases per 100,000 people per week



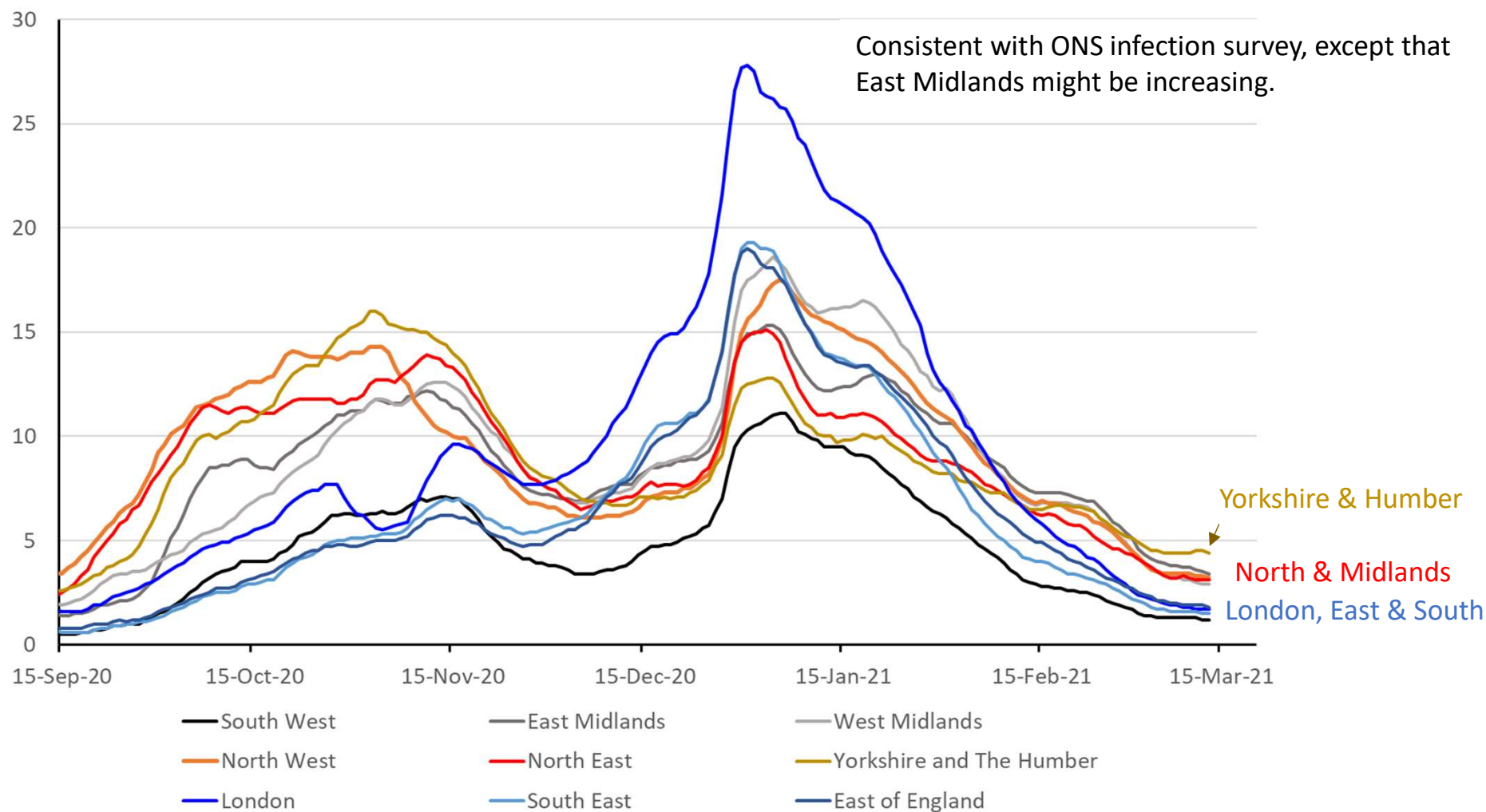
ONS infection survey to w/e 13th March

“In Scotland, the percentage of people testing positive has appeared to show some increase in the week ending 13 March 2021”



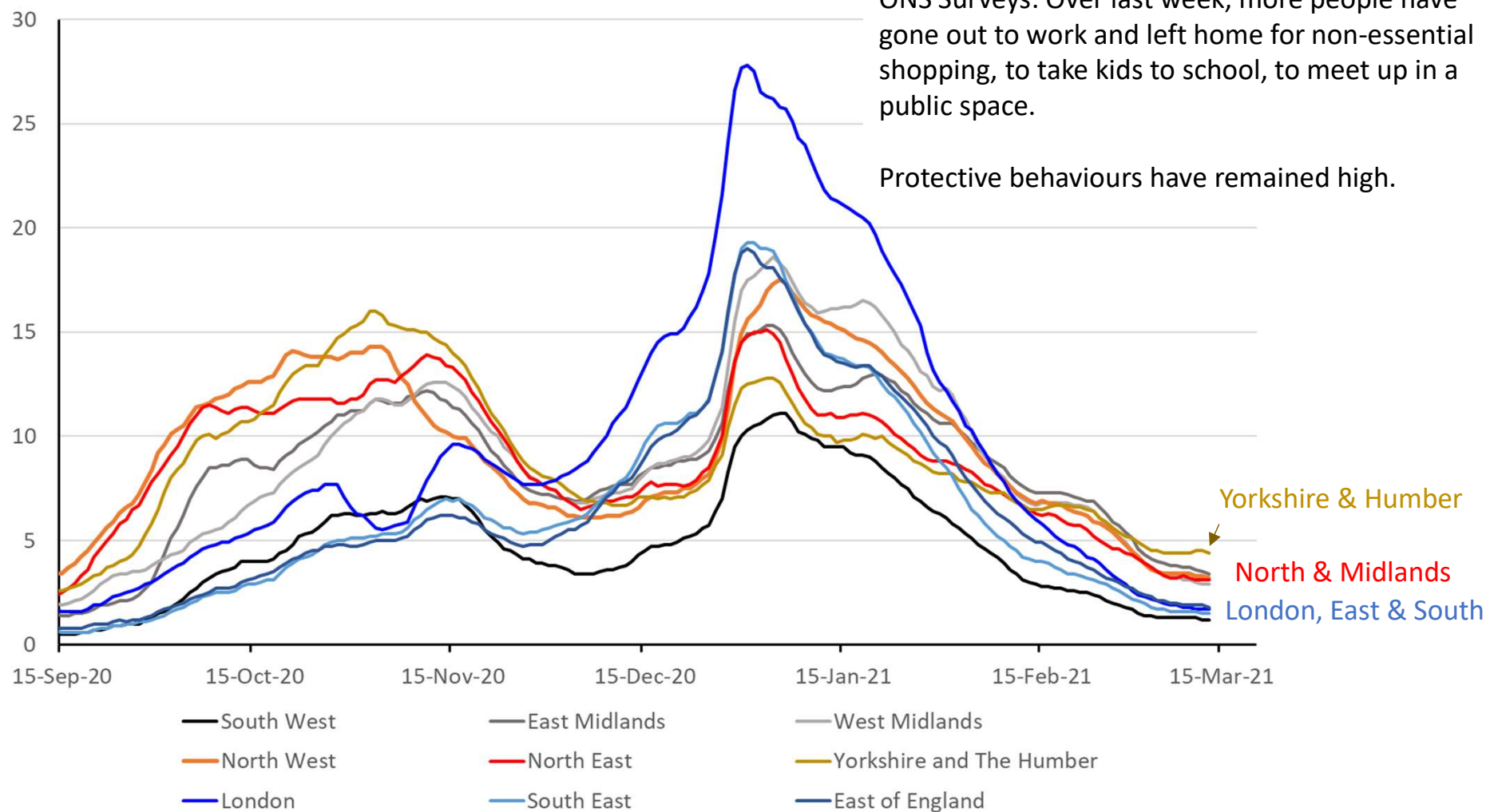
Positivity rates – English regions – by date of test to 13th March

% of people tested who are positive (PCR tests only)



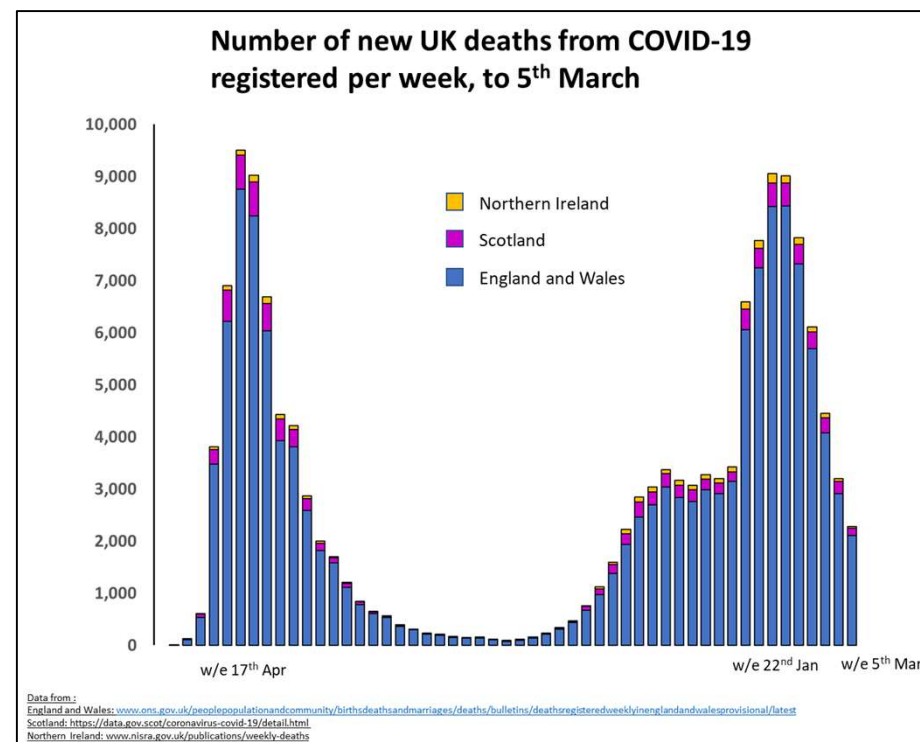
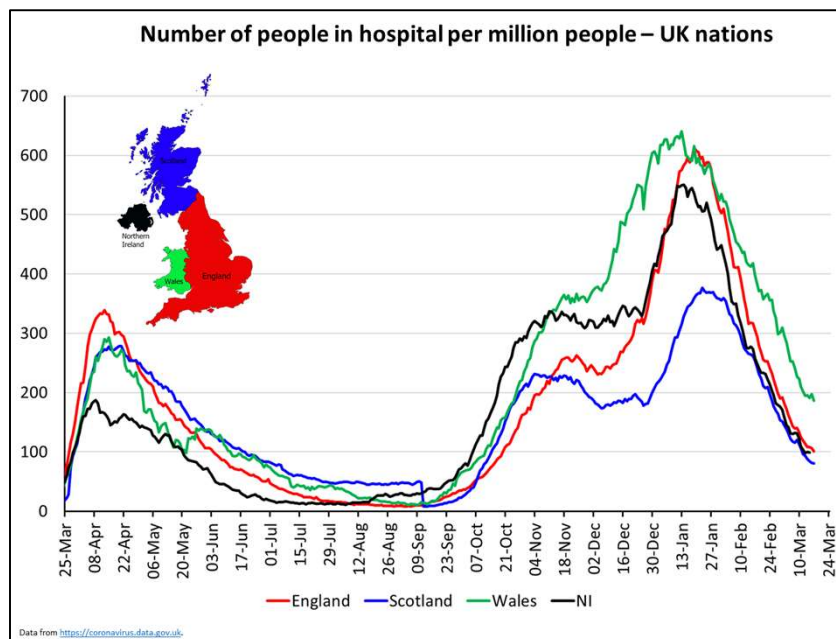
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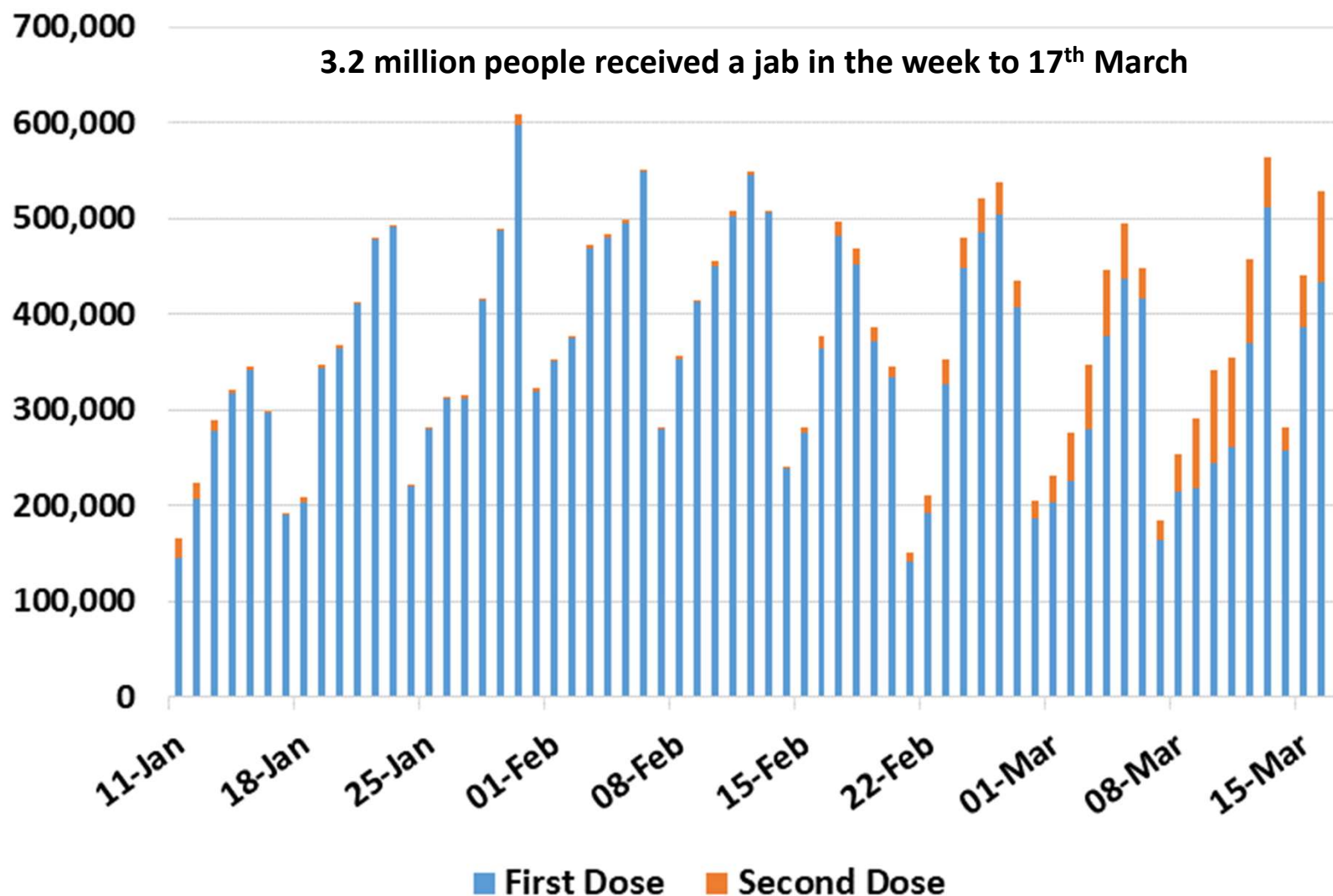
Hospitalisations and Deaths

Hospitalisations and deaths



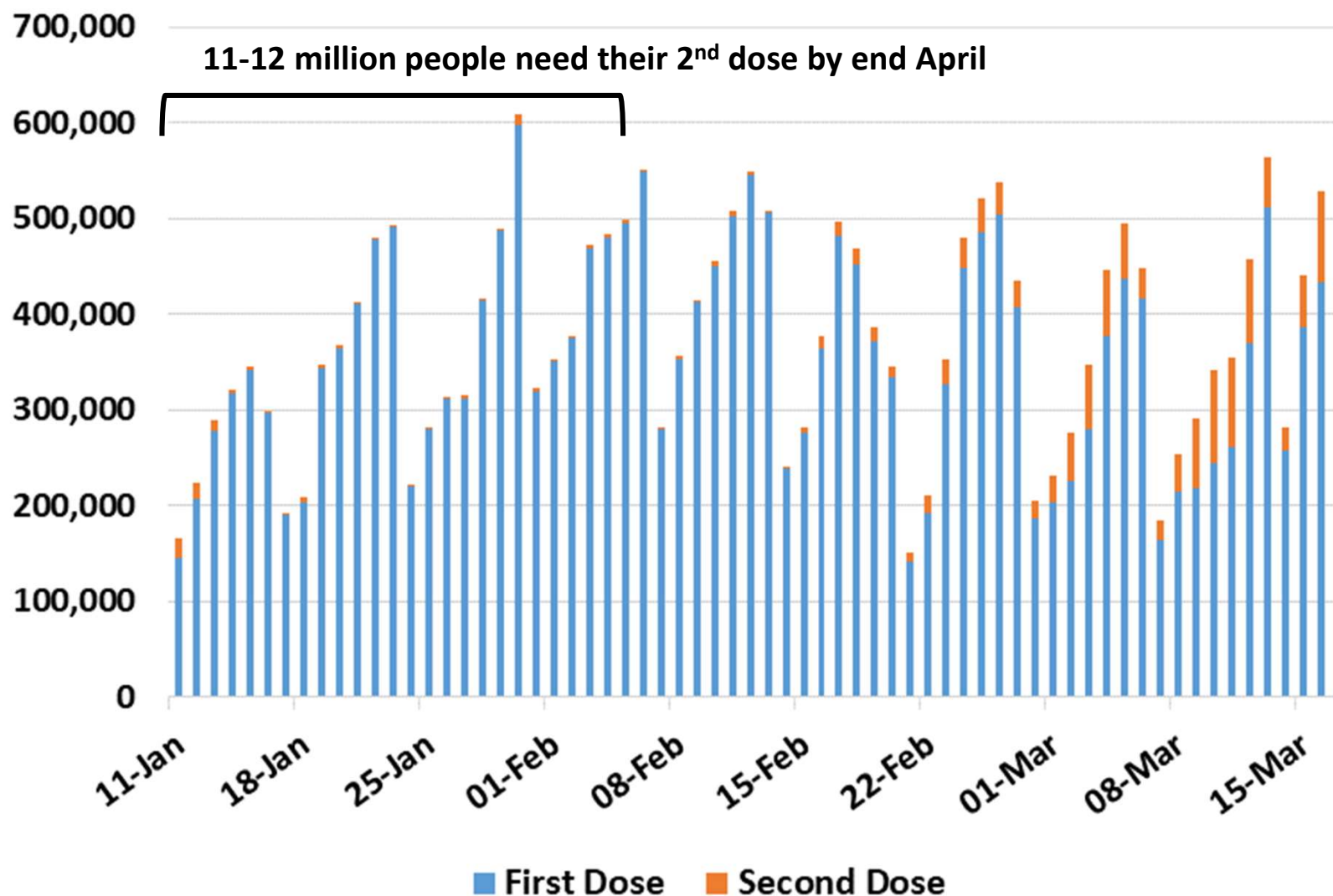
Vaccination data

Number of 1st and 2nd doses given by day in the UK to 17th March



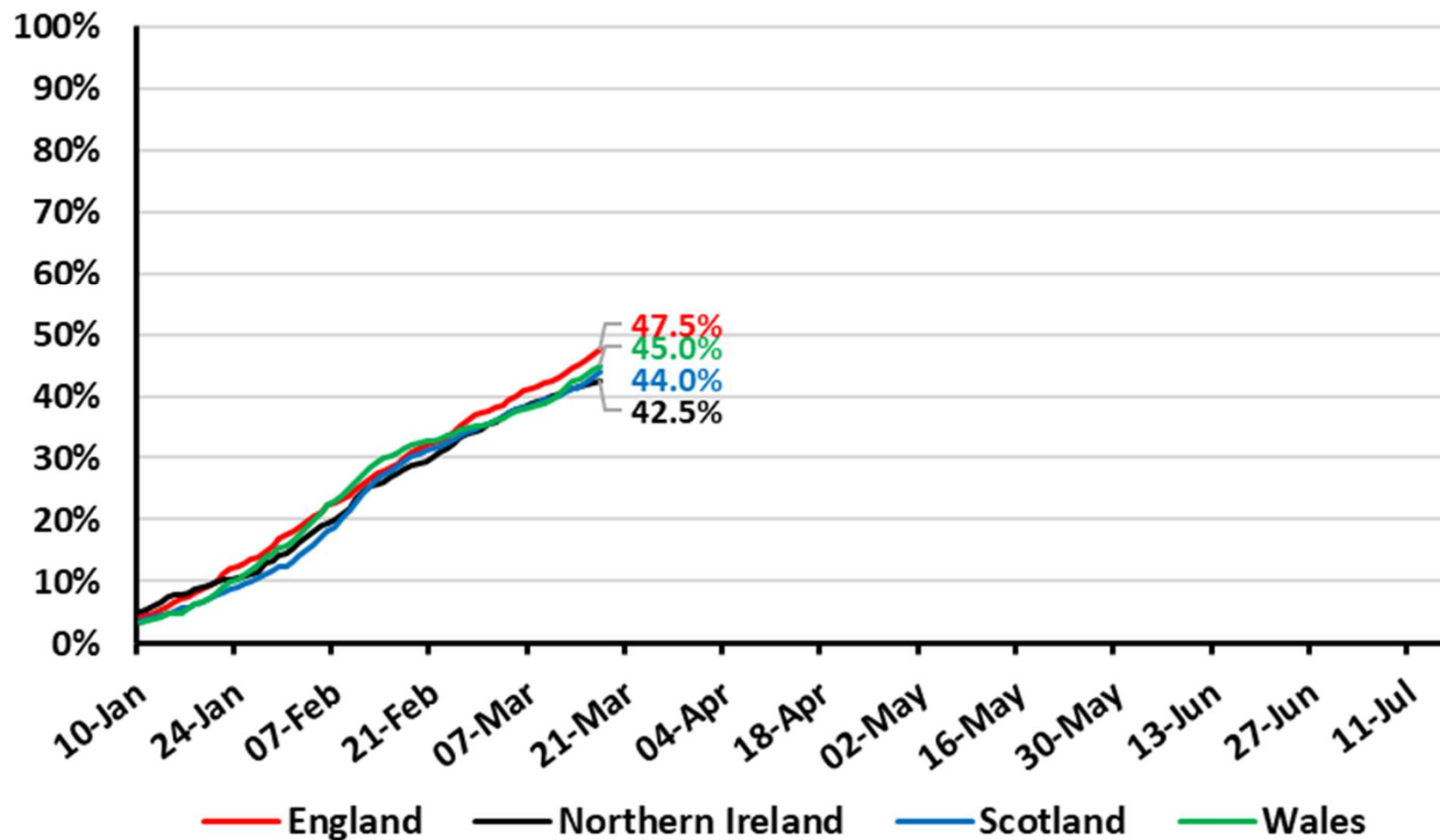
Data from <https://coronavirus.data.gov.uk/>
Thanks to Bob Hawkins for the chart

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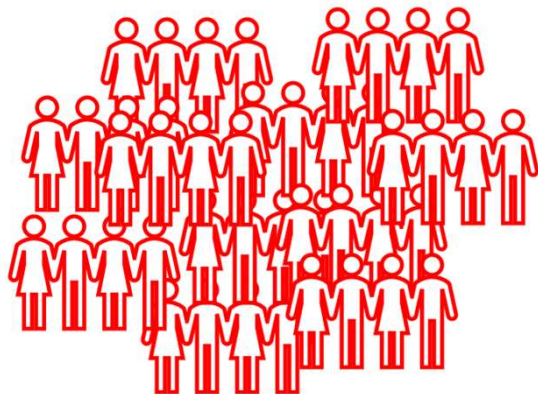
Proportion of adults given at least one dose over time for each nation to 17th March



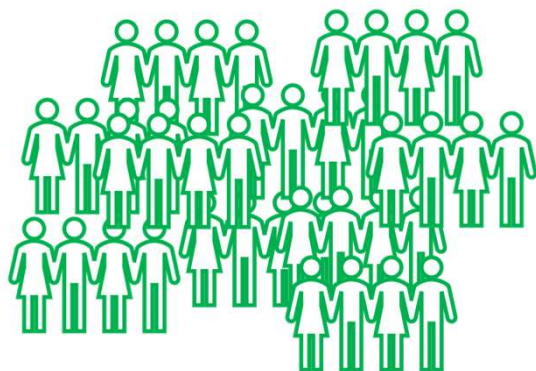
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Vaccine impact in over 80s after 1 dose (Public Health England)

100,000 **unvaccinated** over-80s



100,000 **vaccinated** over-80s



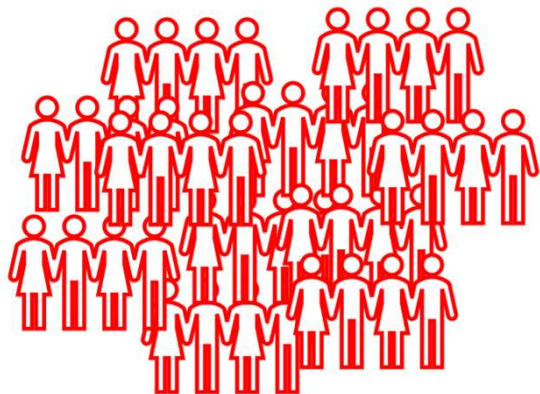
* Infections will depend on current state of epidemic. 300 out of 100,000 is an illustrative number. One dose of vaccine provides about 60% protection **once more than 14 days** out from first dose.

Efficacy estimates from

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/971017/SP_PH_VE_report_20210317_CC_JLB.pdf

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300* might get Covid



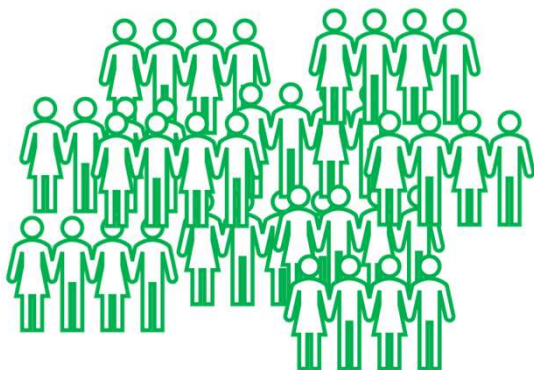
45 might need hospital



40 might die



100,000 **vaccinated** over-80s



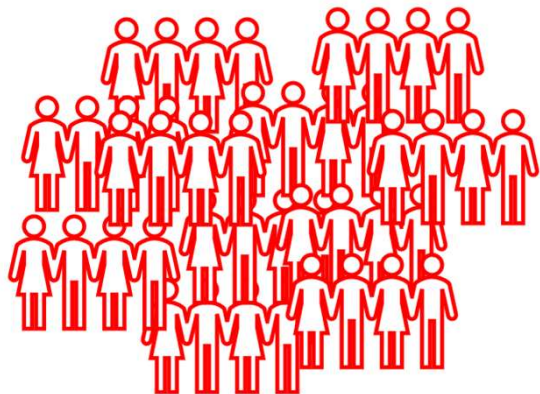
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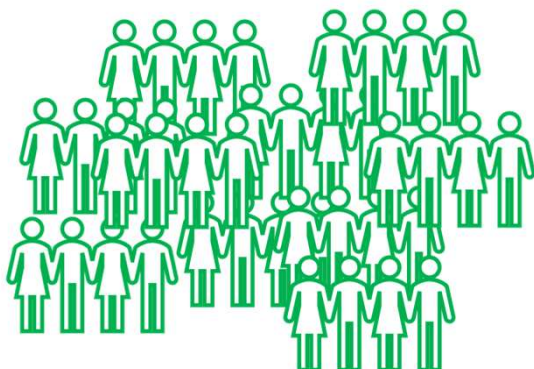
45 might need hospital



40 might die



100,000 **vaccinated** over-80s



120* might get Covid



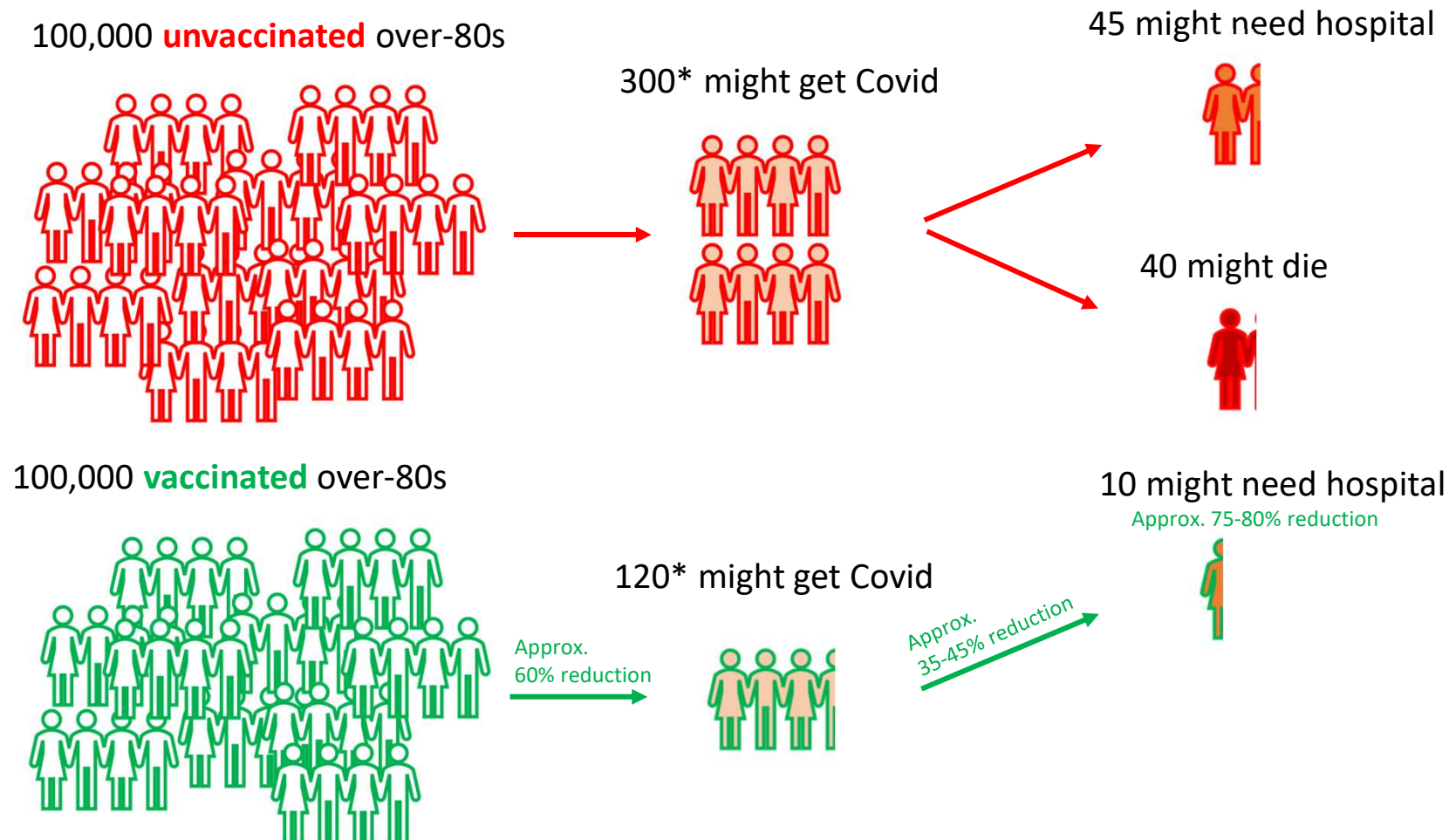
Approx.
60% reduction

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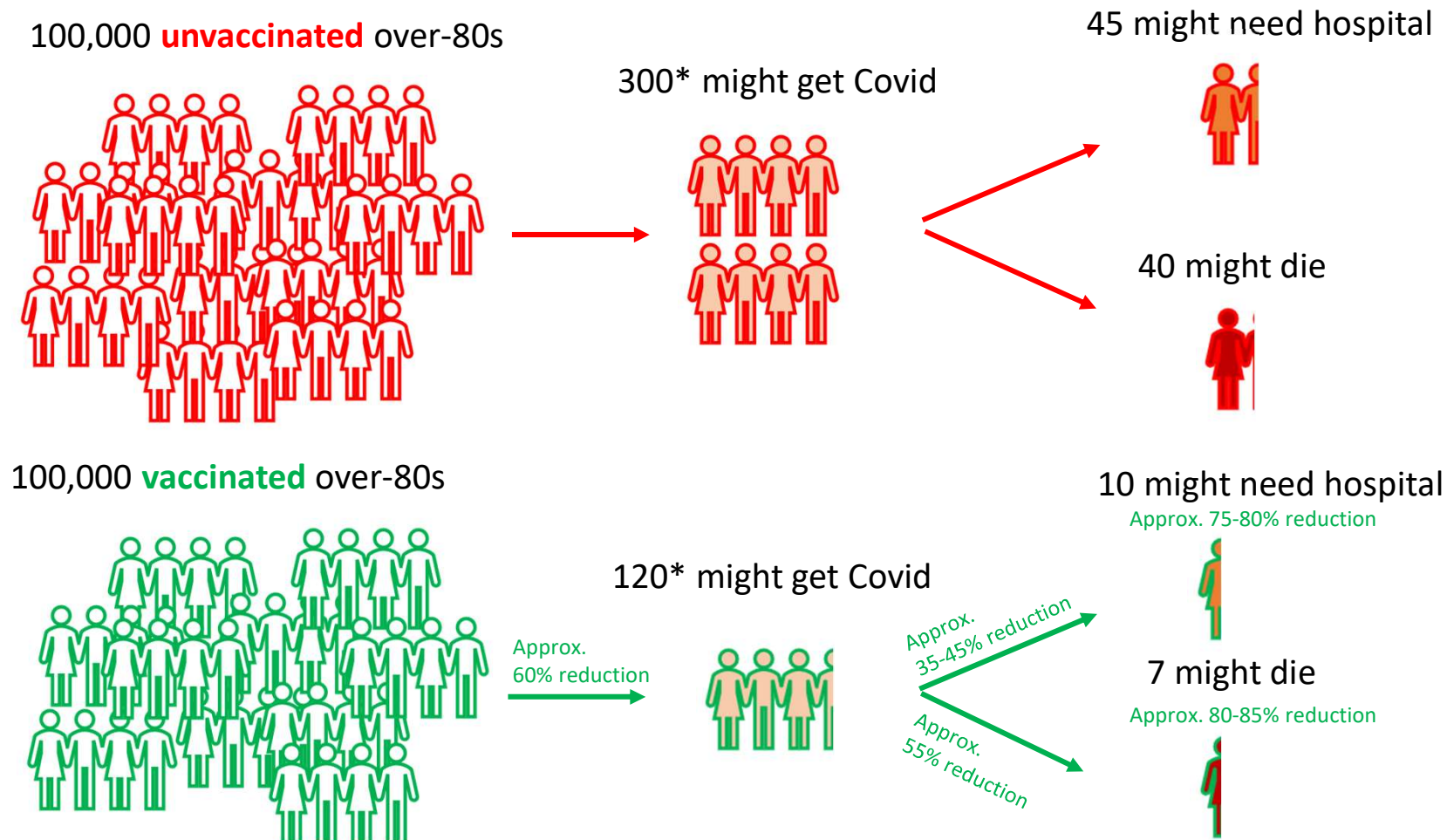


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Schools

Number of tests taken in Scotland this year

Primary schools went back 22nd February with mitigations.

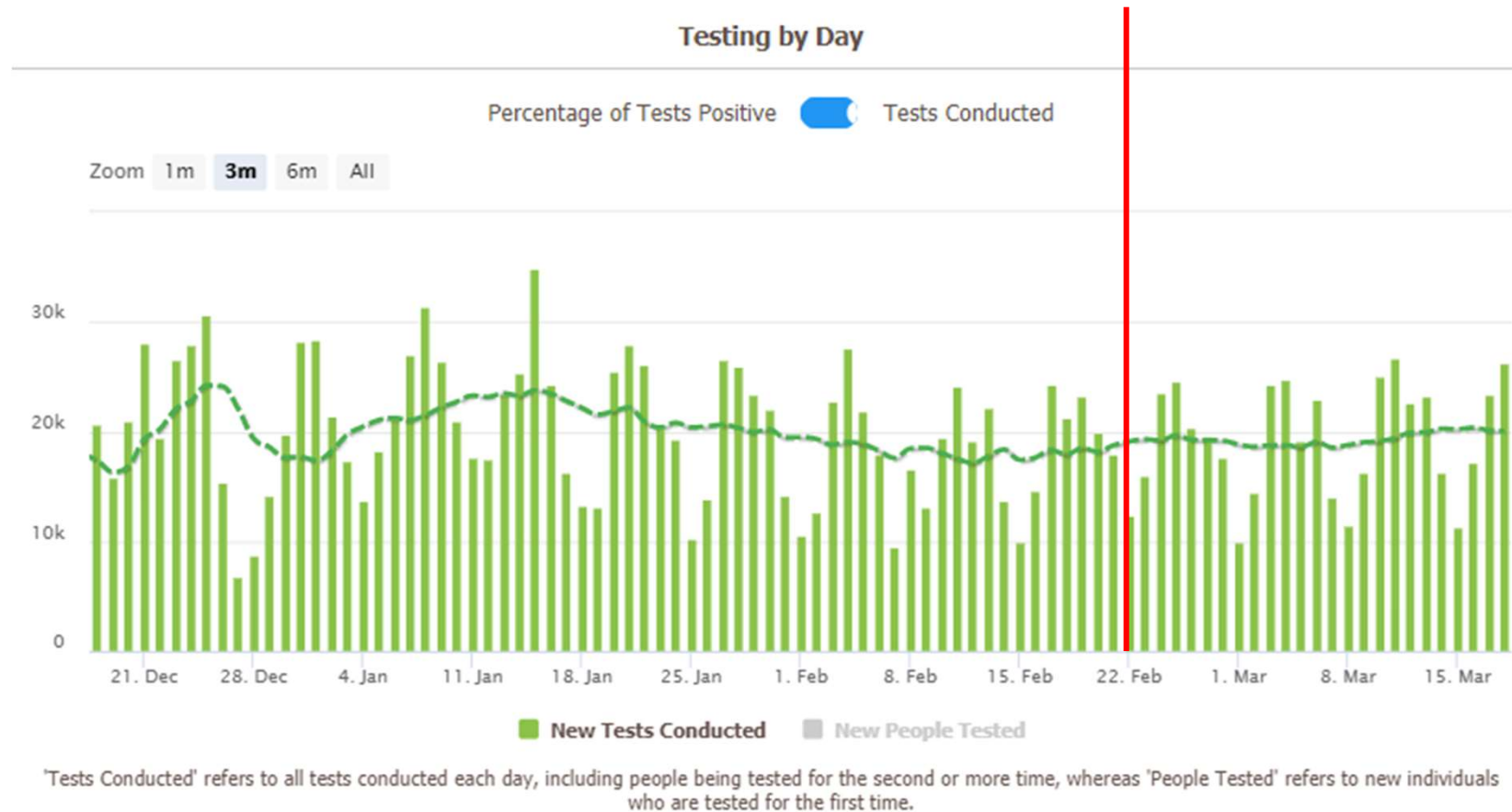
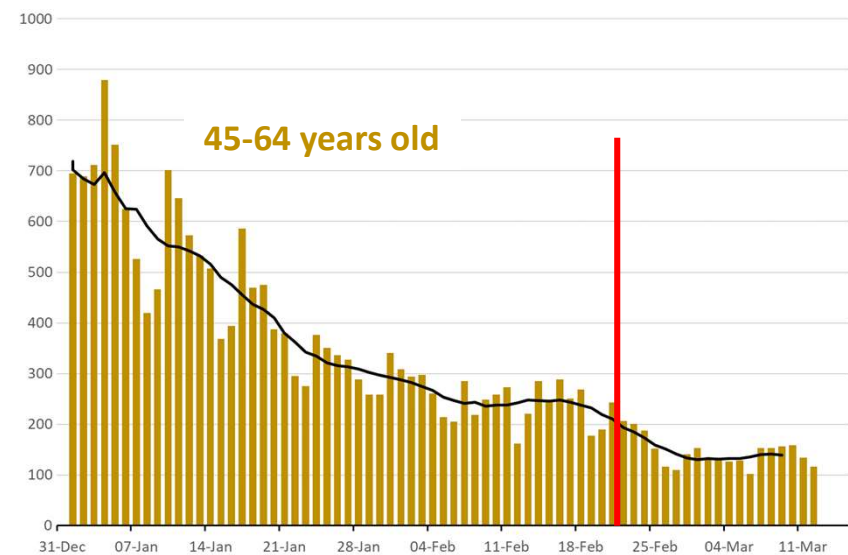
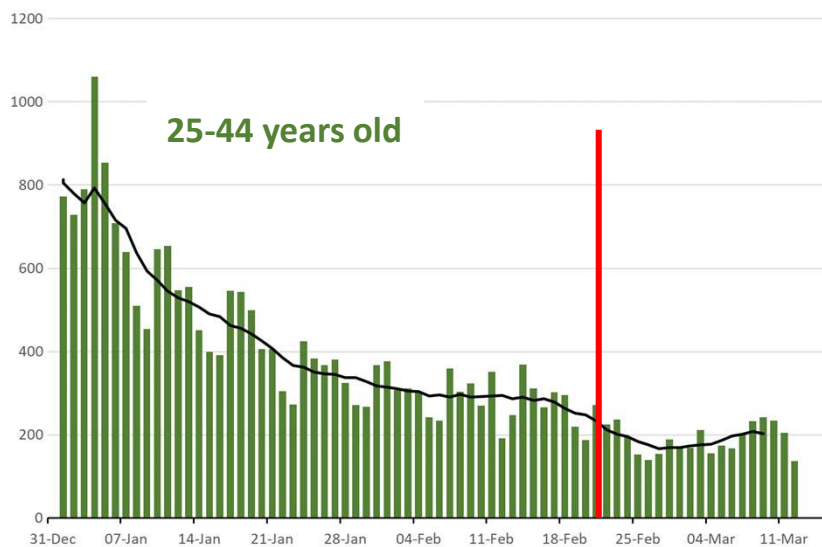
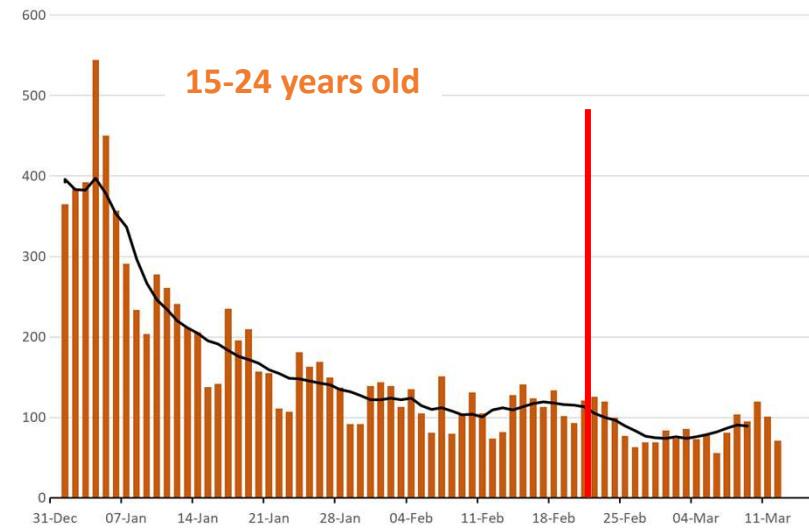
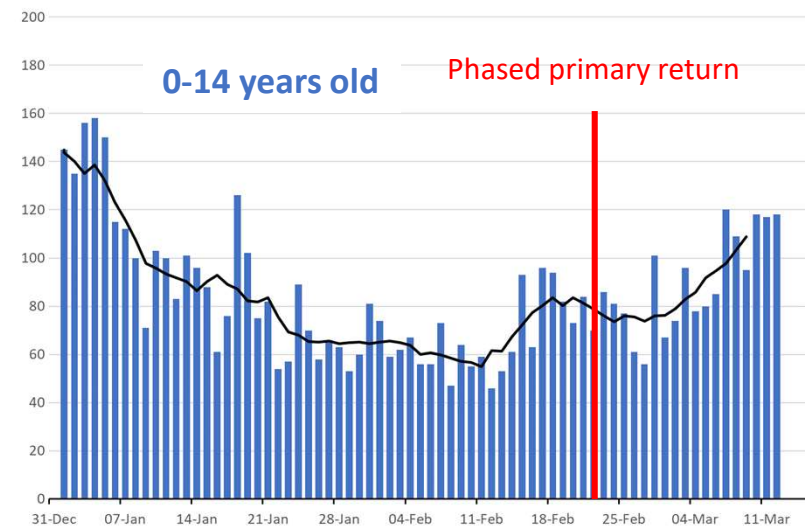


Chart from <https://www.travellingtabby.com/scotland-coronavirus-tracker/>

Number of positive cases by date of test and age group (0-64yrs) in Scotland

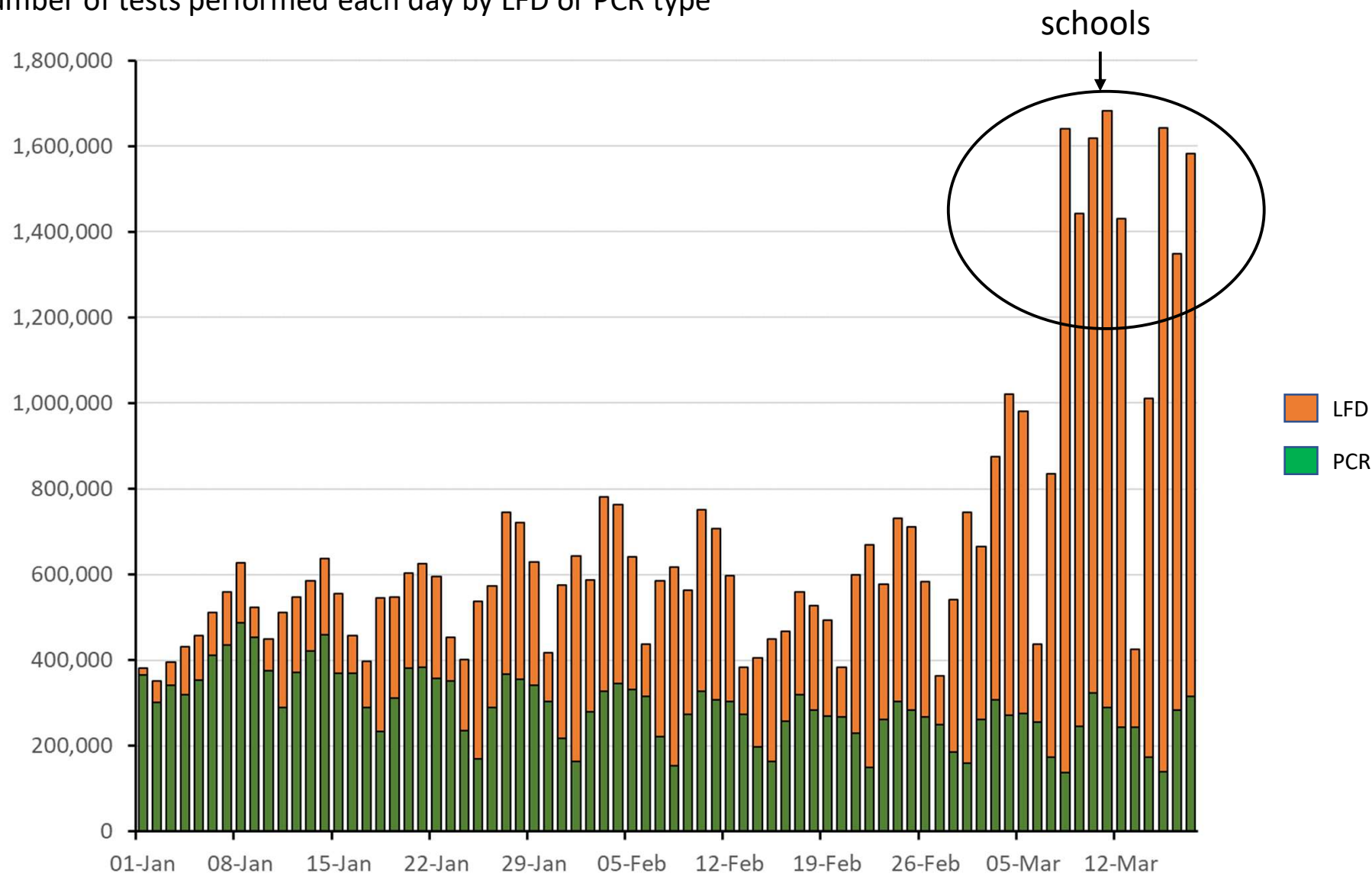
(Note: y-axes are different scales)



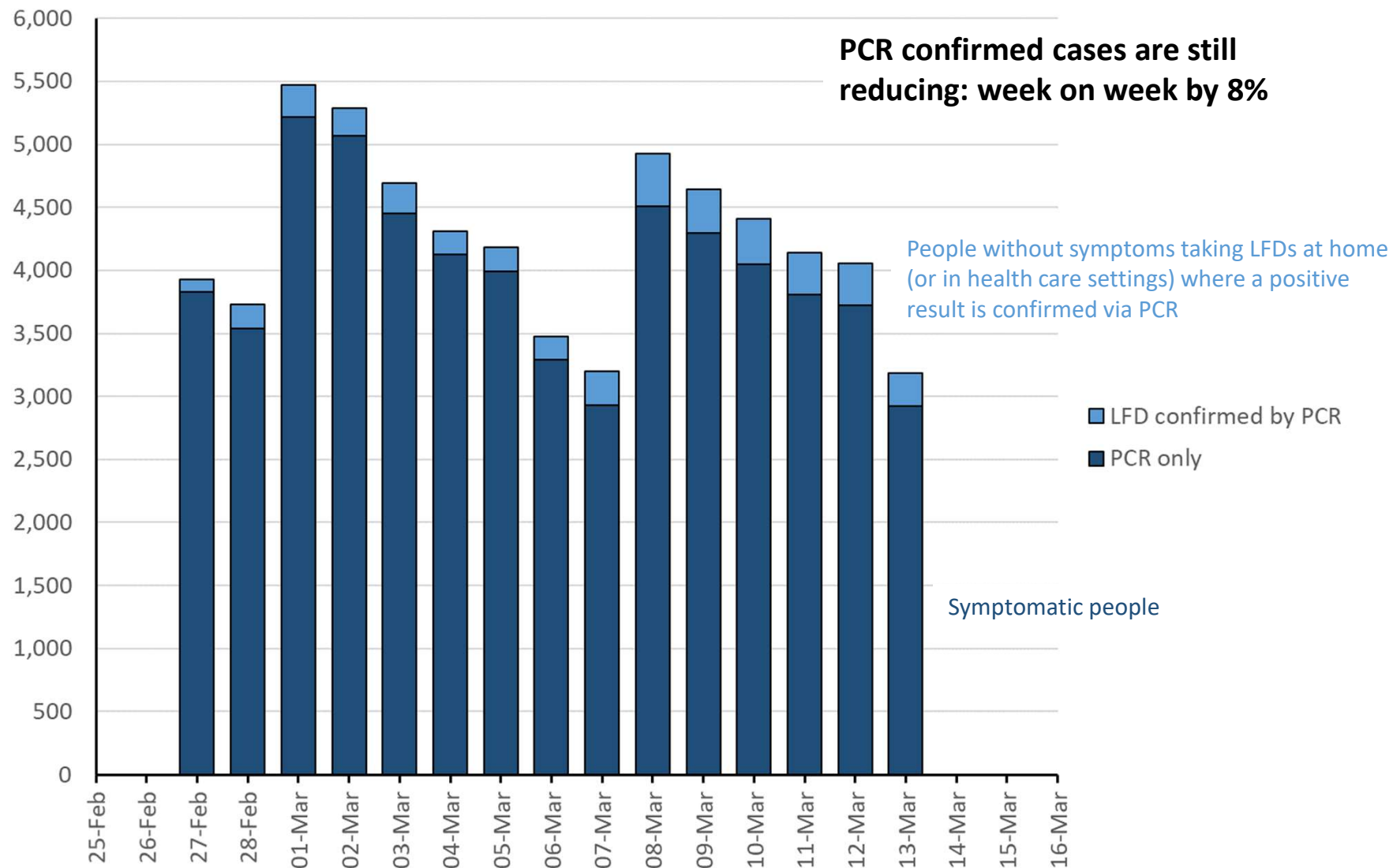
Data from <https://www.opendata.nhs.scot/dataset/covid-19-in-scotland/resource/9393bd66-5012-4f01-9bc5-e7a10accacf4>

Increasing use of Lateral Flow Device (LFD) tests in England

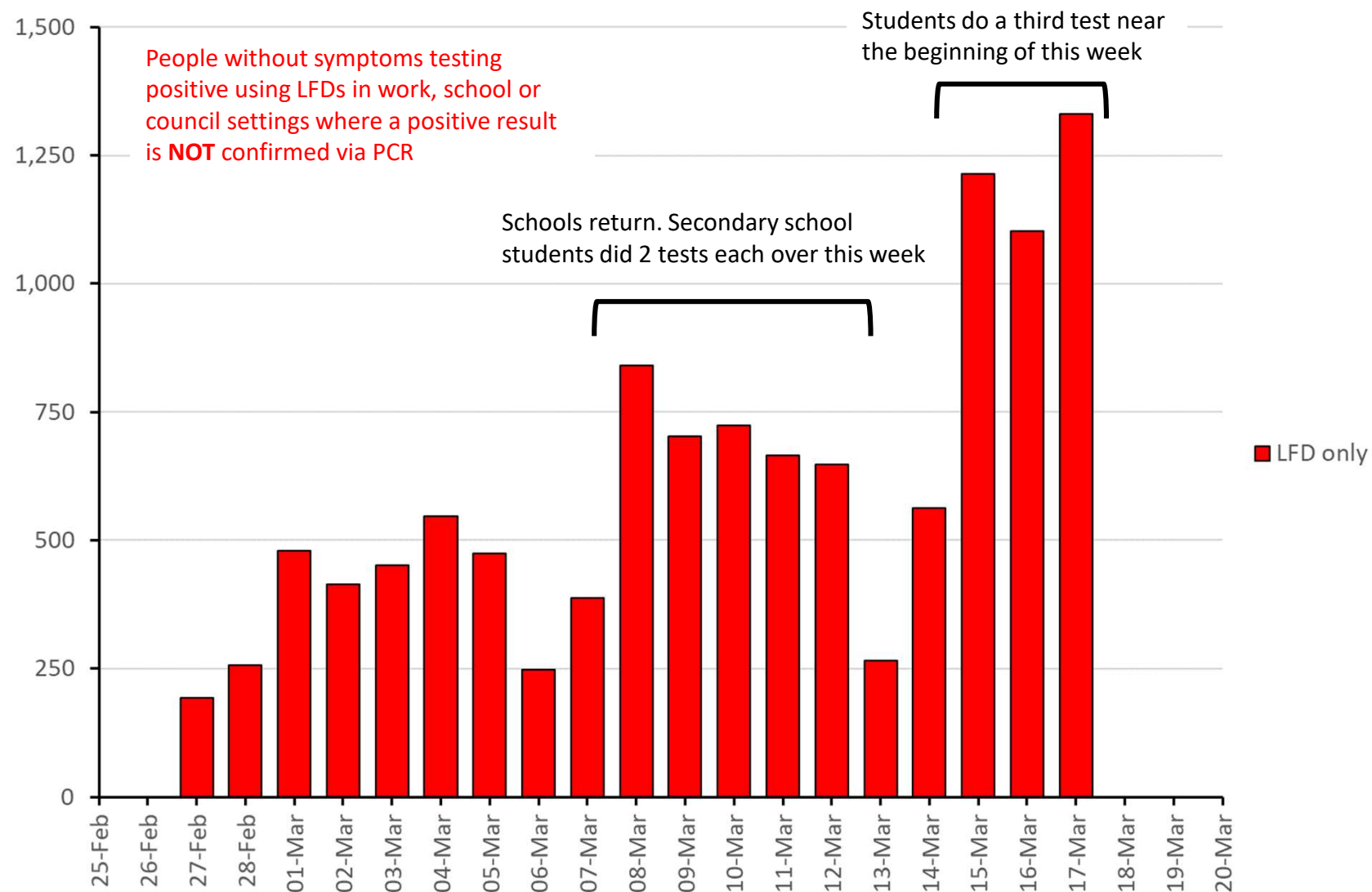
Number of tests performed each day by LFD or PCR type



Number of positive daily cases confirmed by PCR in England by date of test

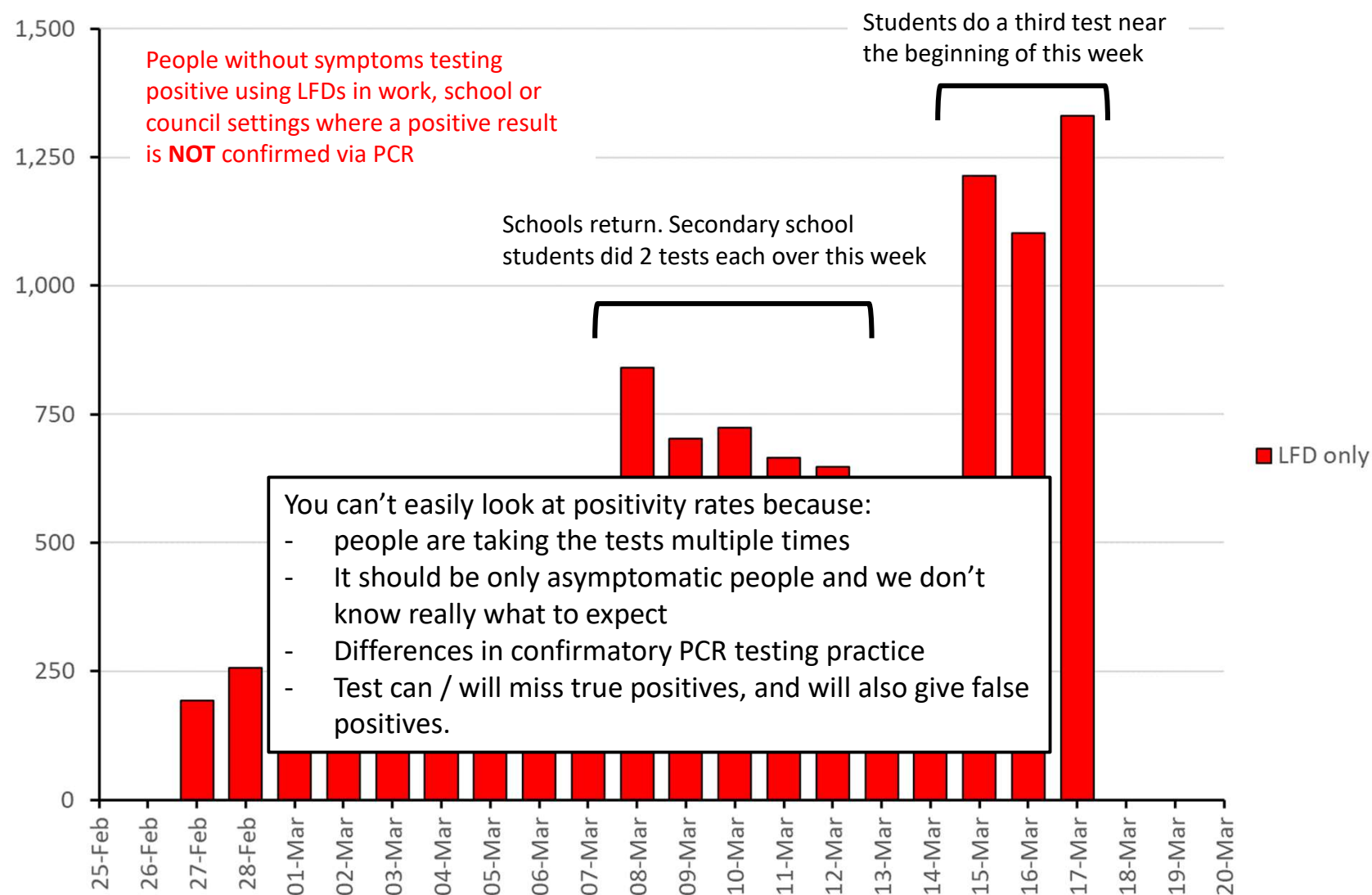


Number of positive daily cases detected only through LFDs by date of test



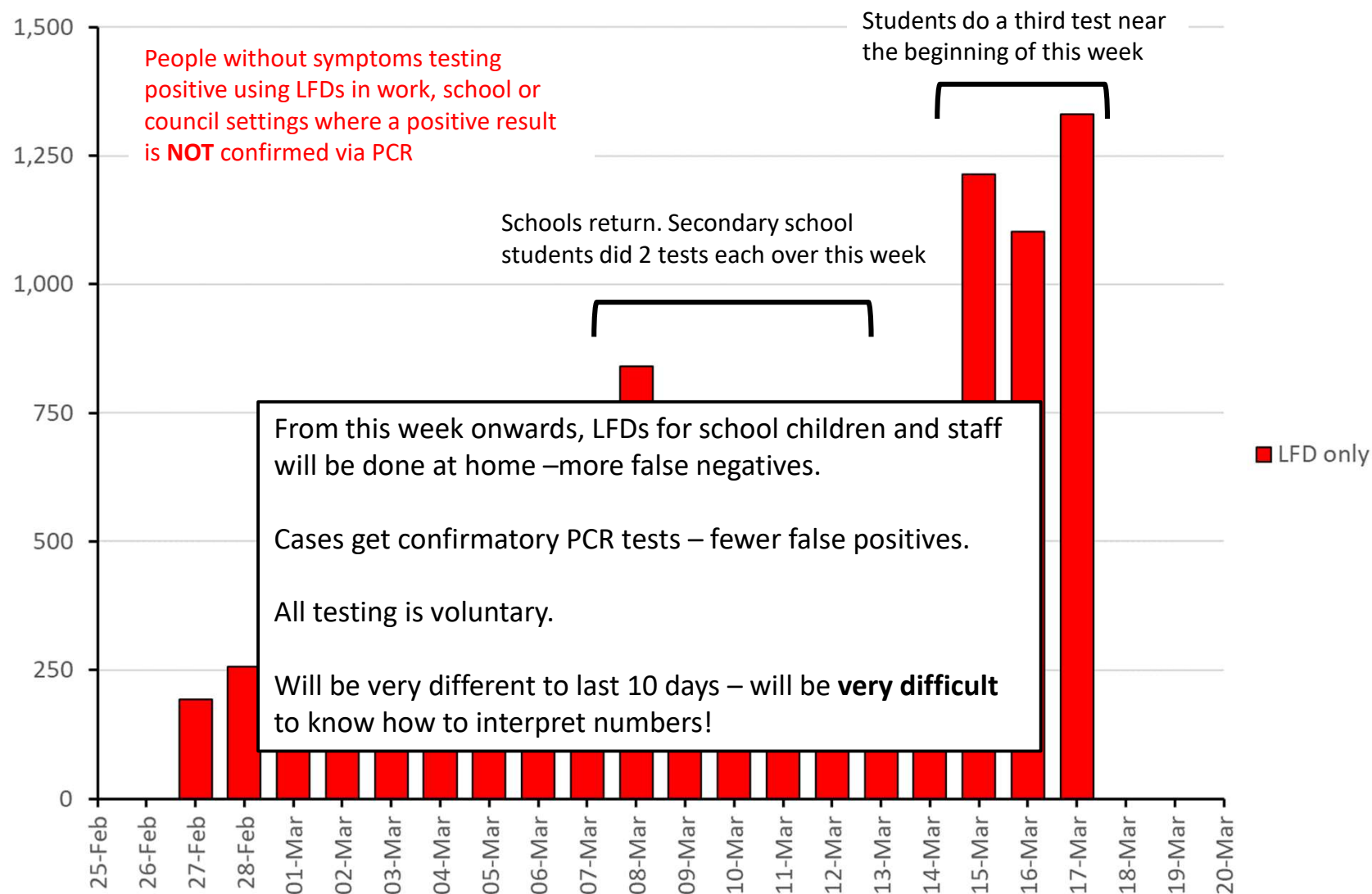
Data from <https://coronavirus.data.gov.uk/details/cases?areaType=nation&areaName=England>

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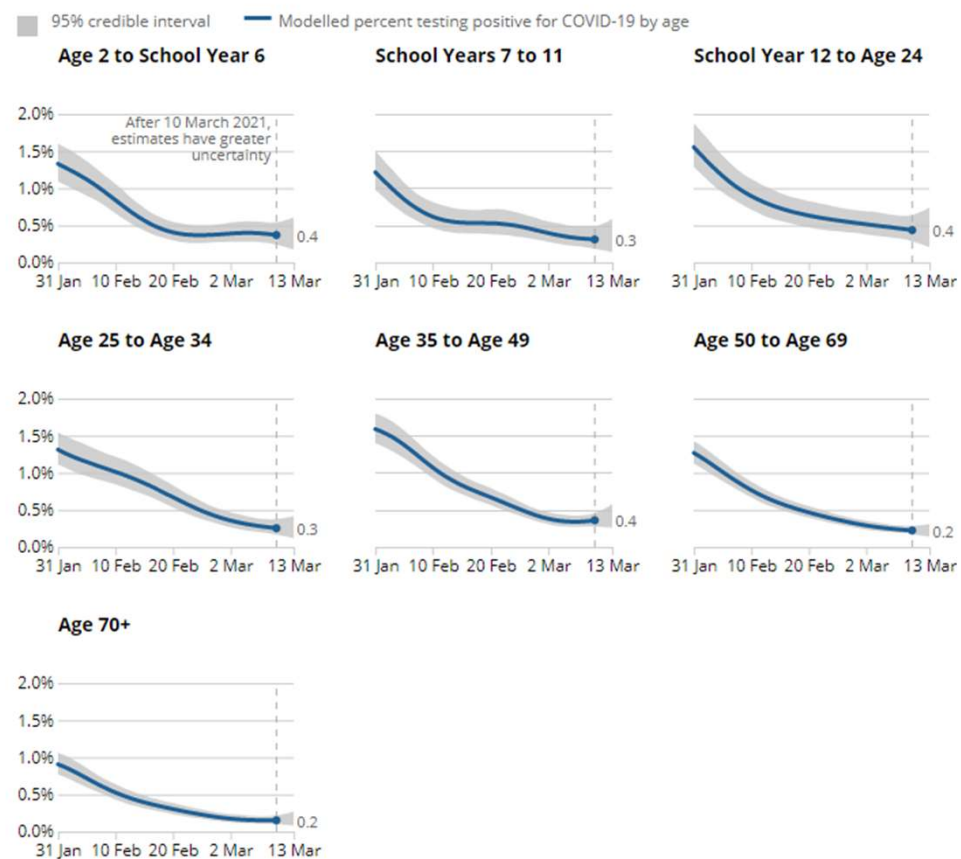


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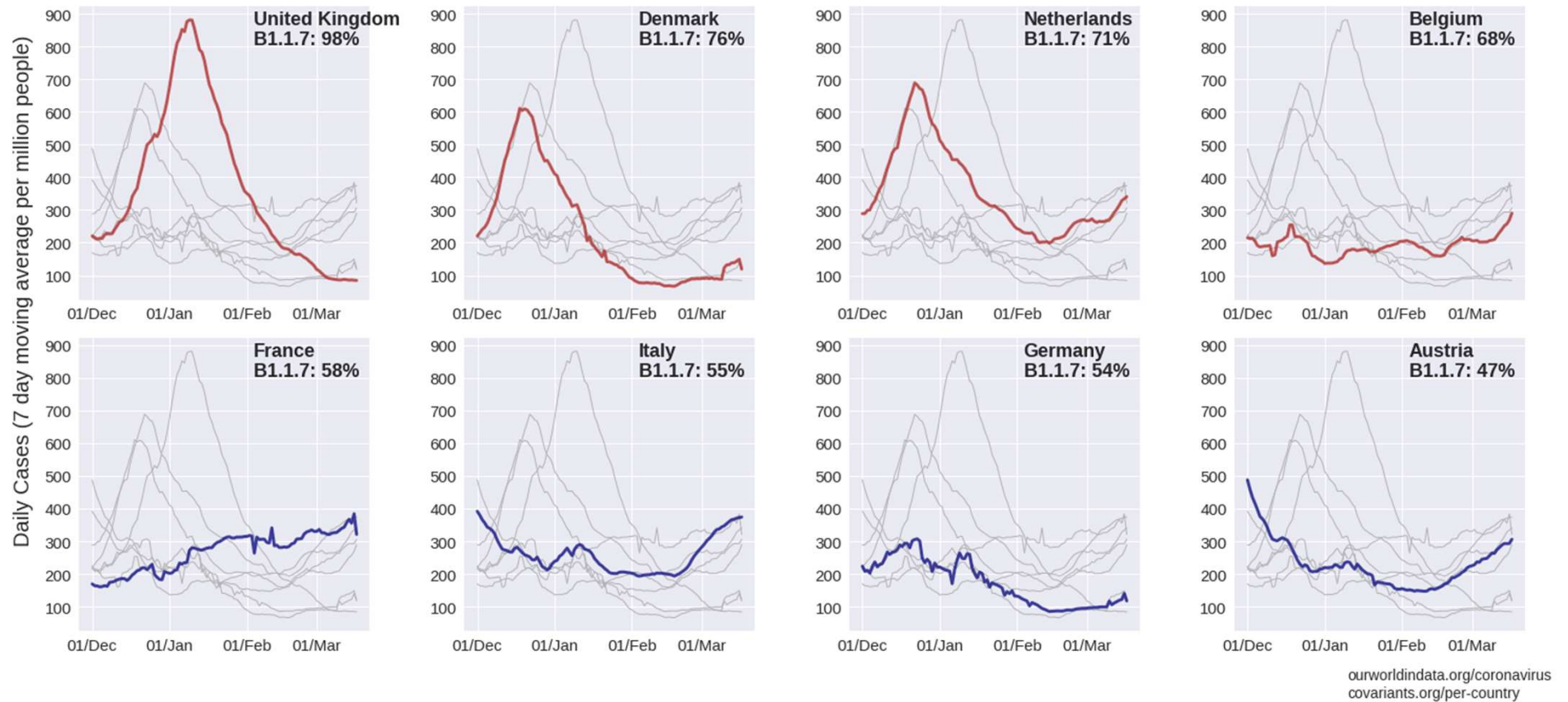
Figure 4: The percentage testing positive in England has decreased in those aged school Year 7 and older over the last two weeks

Estimated percentage of the population testing positive for the coronavirus (COVID-19) on nose and throat swabs, daily, by age group since 31 January 2021, England



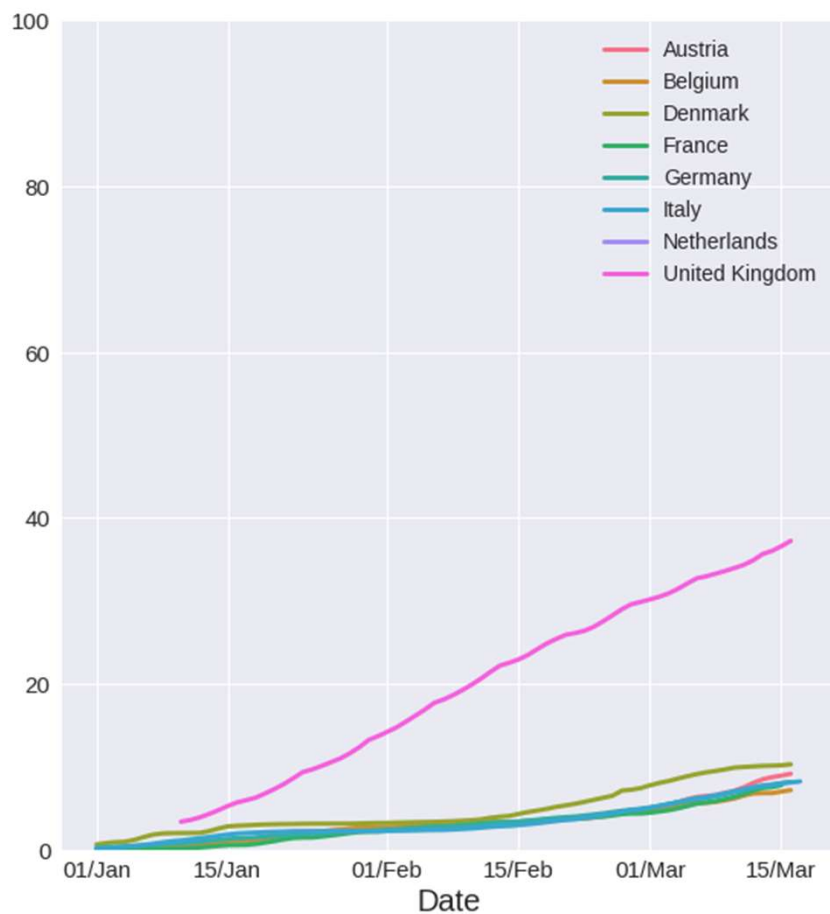
European picture and variants

European picture: cases 1st December – 16th March

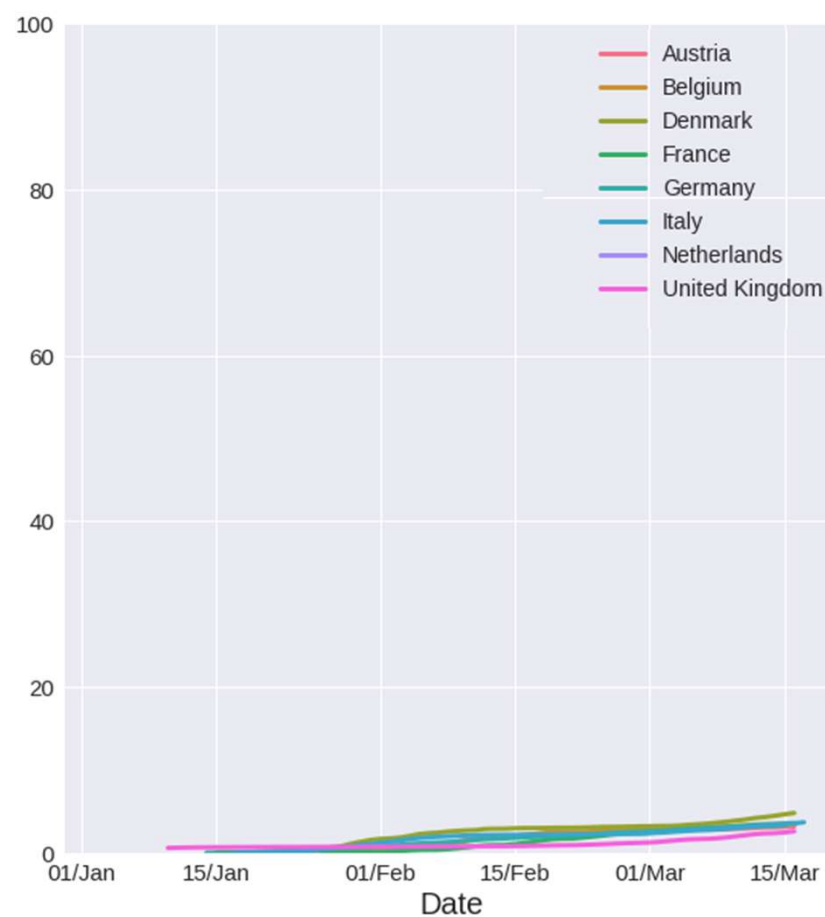


European vaccination – 1st January to 16th March

Percentage of population who have received at least 1 dose



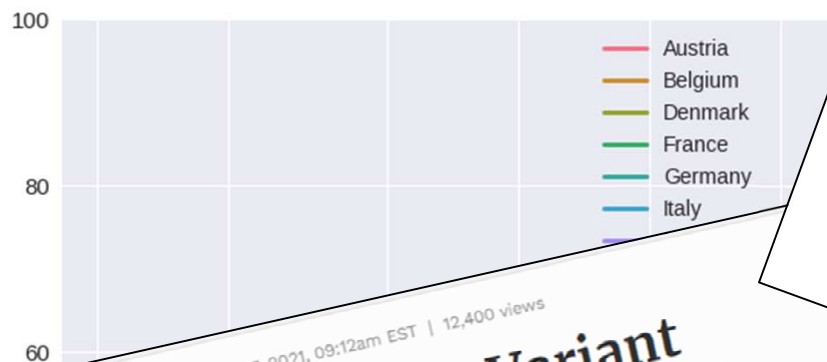
Percentage of **fully vaccinated** population



European vaccination – 1st January to 16th March

Percentage of population who have received at least 1 dose

Percentage of **fully vaccinated** population



EDITORS' PICK | Mar 17, 2021, 09:12am EST | 12,400 views

Latest Covid-19 Variant Discovered In France Isn't Detected By Standard PCR Tests

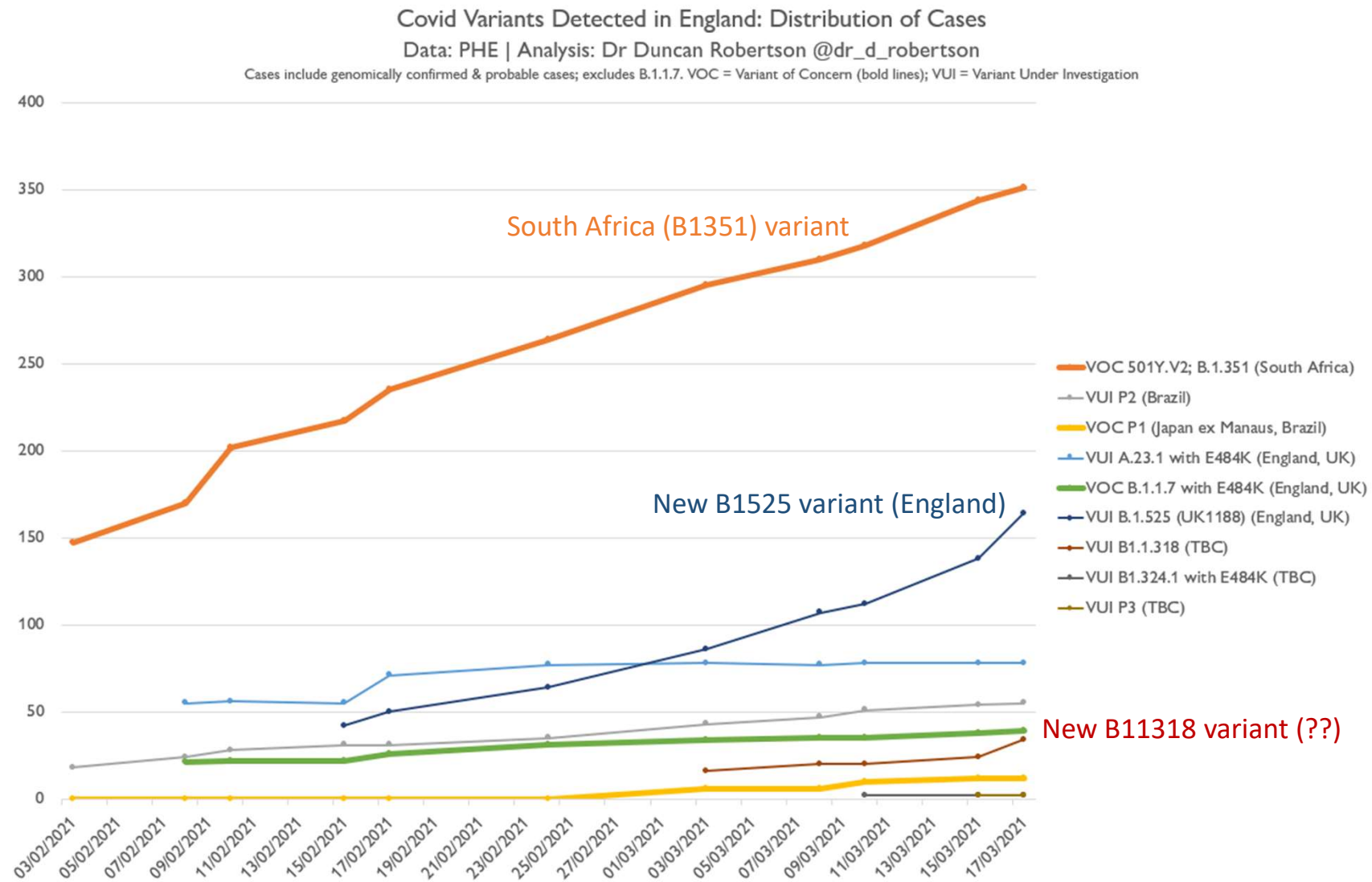
COVID-19: New Philippines-linked coronavirus variant investigated in England after two cases found

Los Angeles Times



SCIENCE

Coronavirus strains from California and the U.K. in battle for U.S. dominance



Graph from Duncan Robertson: https://twitter.com/Dr_D_Robertson/status/1372619667668398083?s=20

Summary

Hospitalisations and deaths are still falling but cases are flat or increasing.

Vaccination going well – and clear positive impact from first dose. We do now have to start doing mass second doses, which will slow down roll out to under 50s until we can increase supply significantly.

Some indication that returning to school is increasing cases in children – will need to watch next two weeks very carefully to see if this continues and whether it spreads to older age groups. In England, the testing system makes this very difficult.

Situation in Europe concerning but countries are responding which might reduce the size of a third wave.

New, potentially concerning, variants are popping up every few weeks.

As we reflect on the year just passed, we need to learn from it so that we're not **still** here next March.