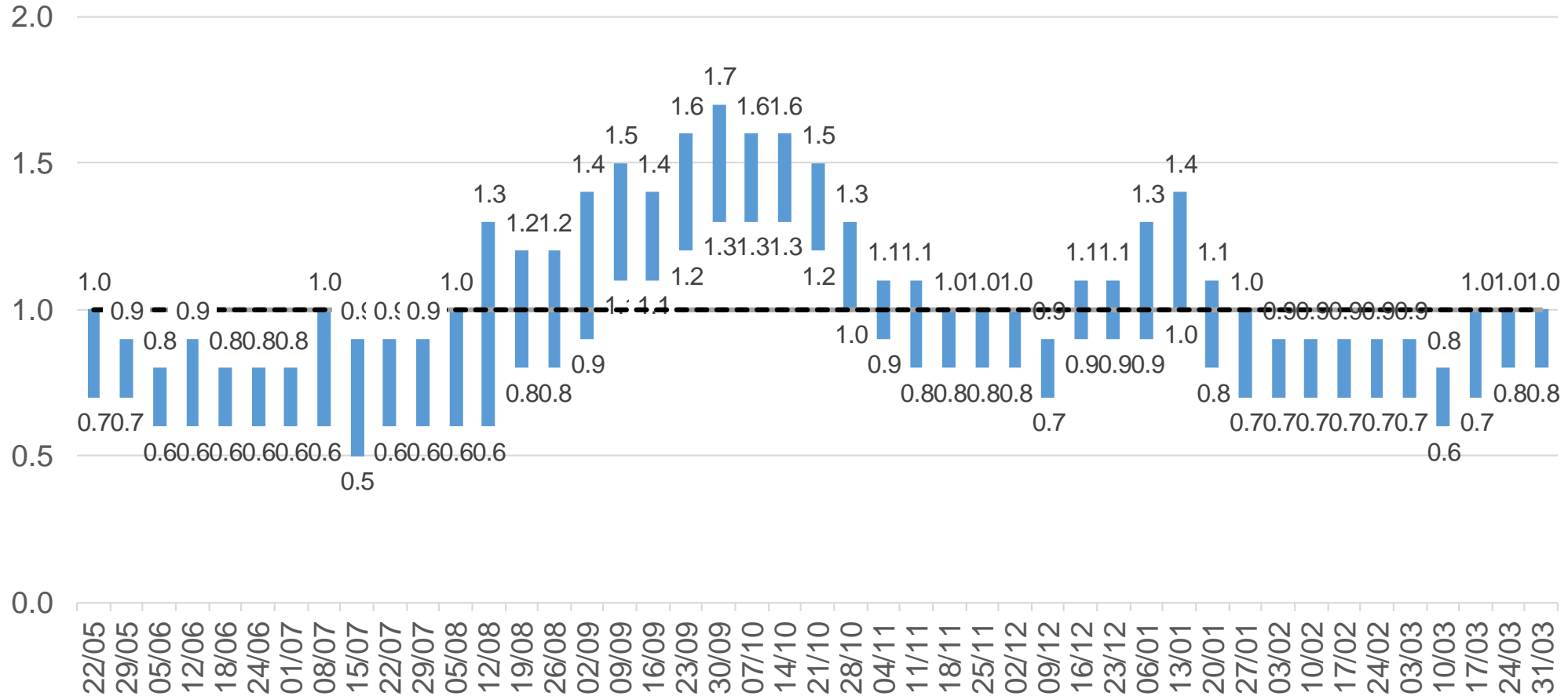


# Covid: State of the epidemic

Thursday 1 April

# R is up to between 0.8 and 1.0

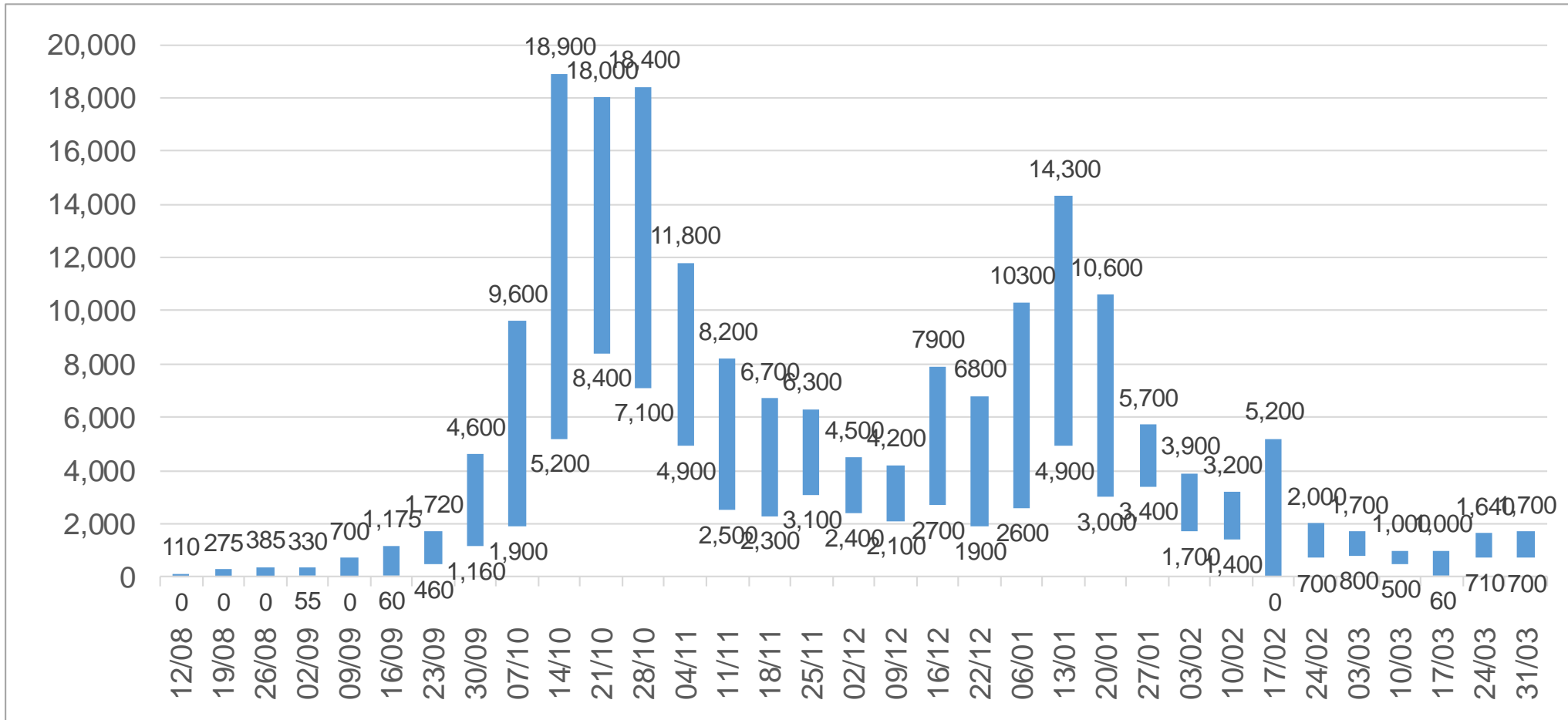
Chart: R value in Scotland over time



The current **range for R** in Scotland is between 0.8 and 1.0. This is unchanged from 0.8 to 1.0 on 24 March 2021.

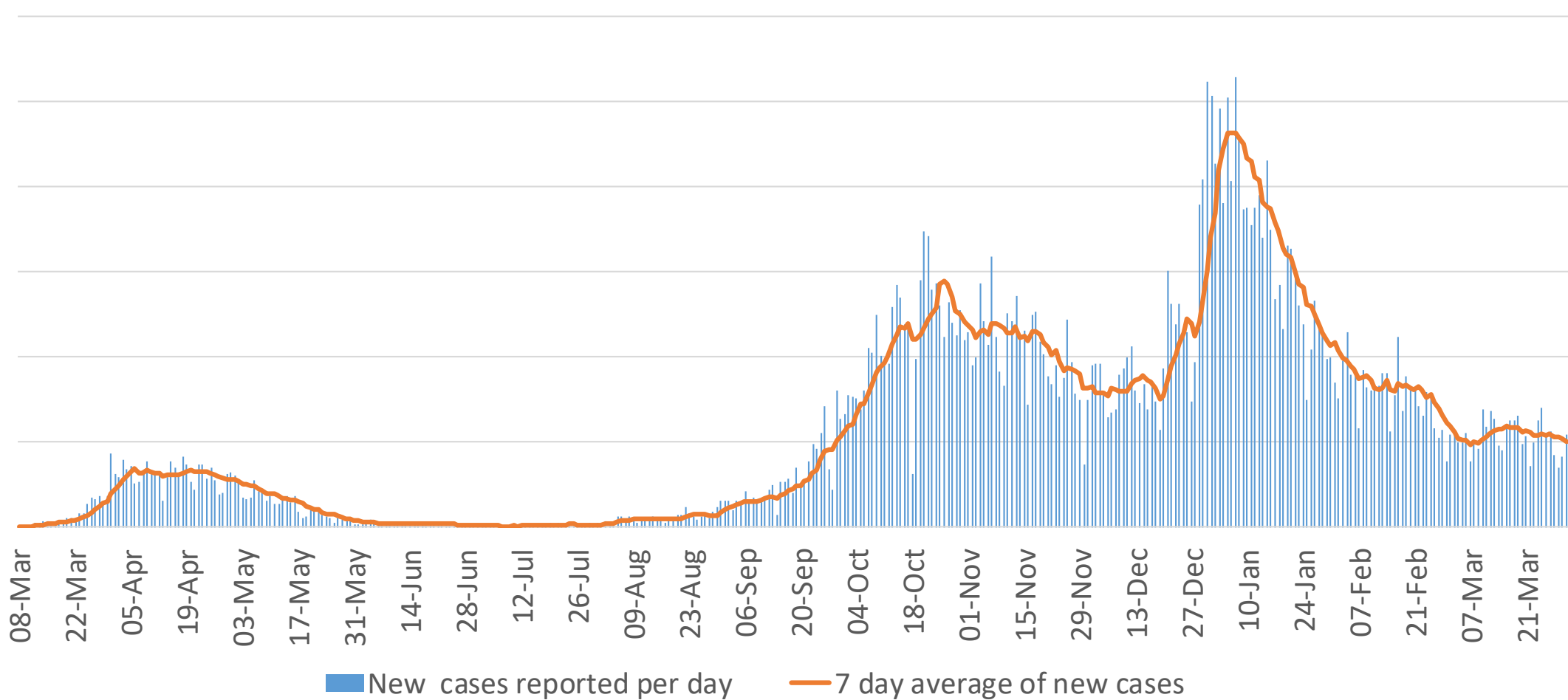
# The range of daily infections has increased this week to between 700-1,700 people becoming infected each day

Chart: Estimated total number of infections per day, Scotland



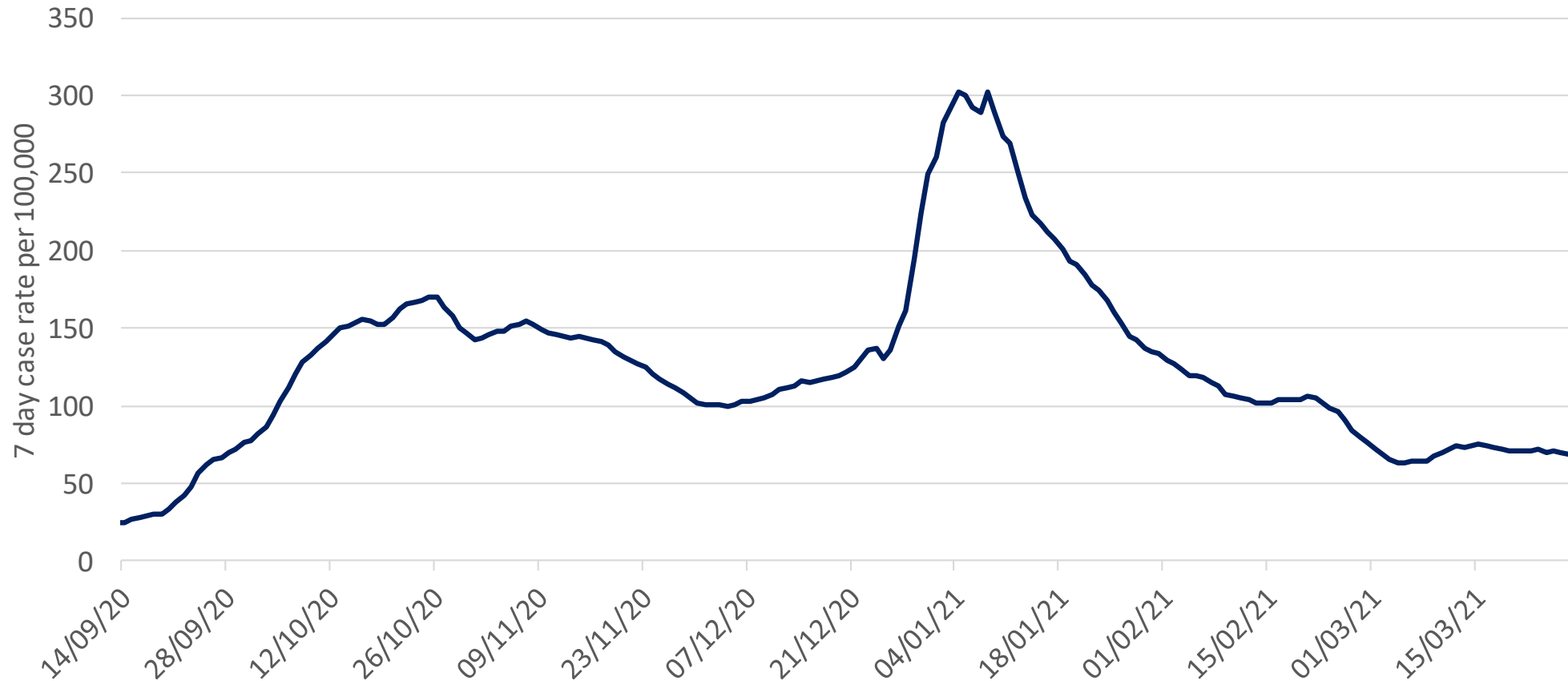
# Number of confirmed daily cases has decreased slightly

Chart: Number of confirmed Covid cases per day, Scotland



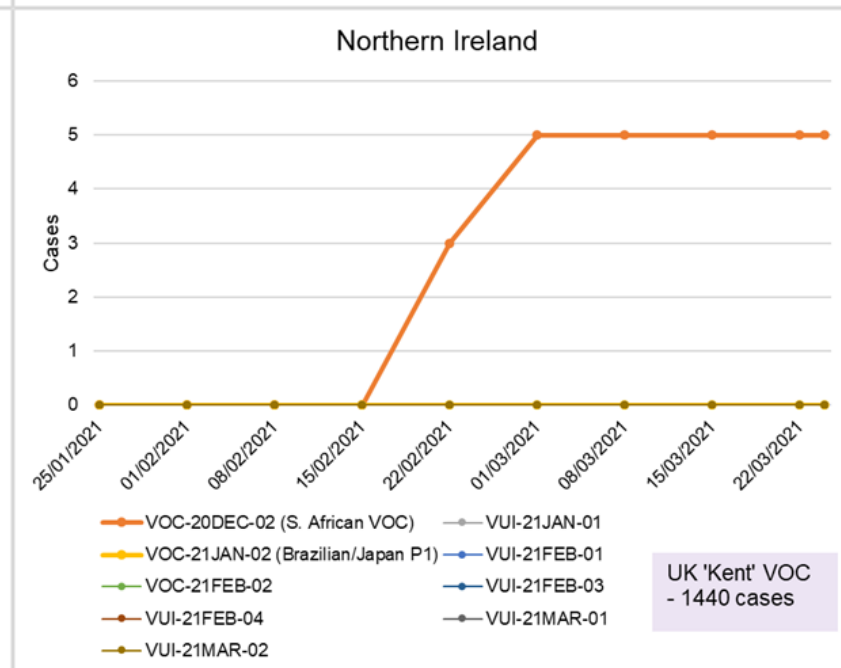
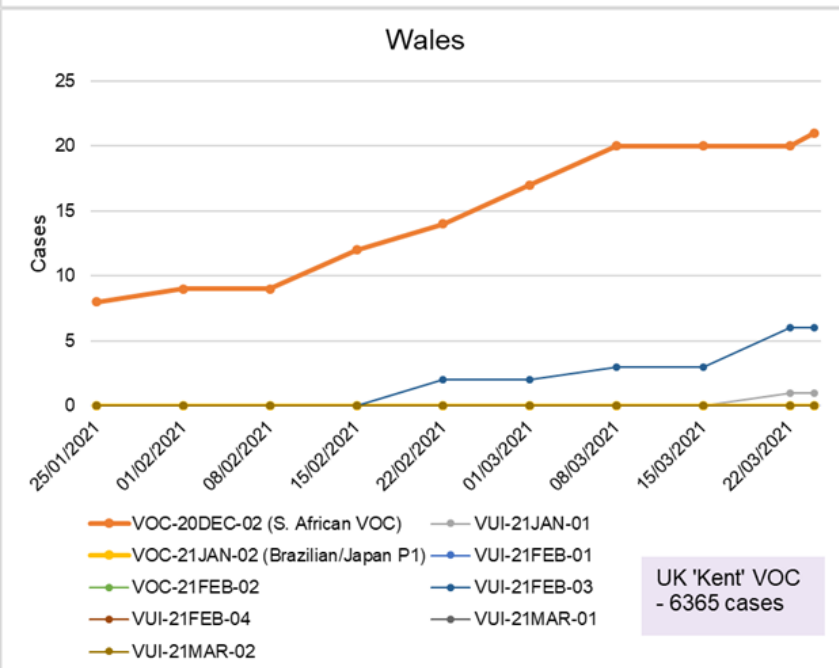
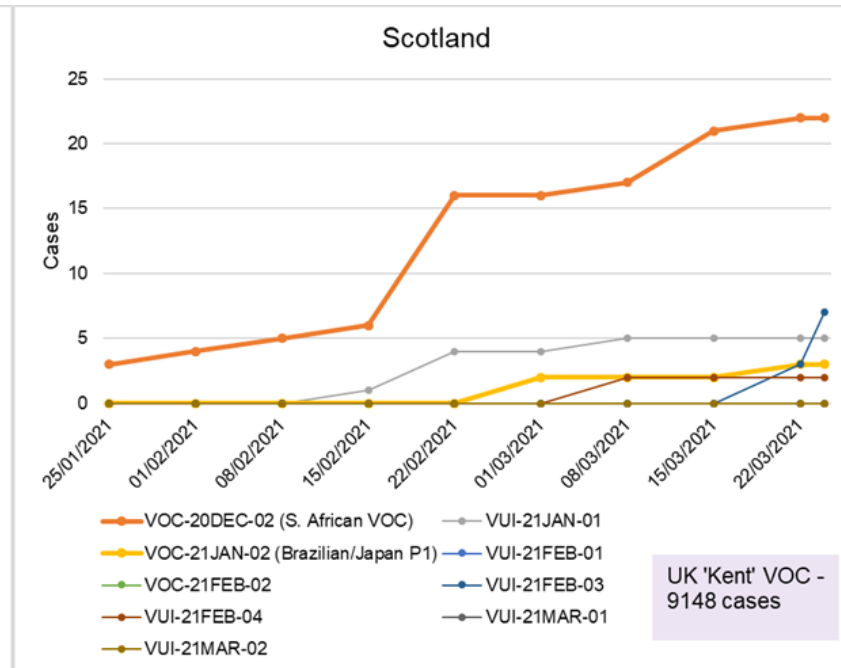
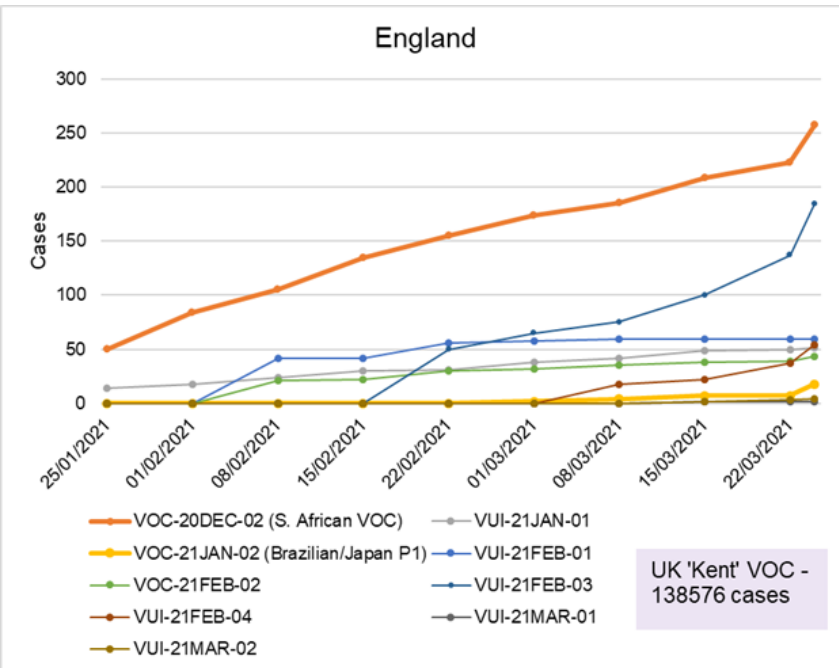
# 7 day case rate in Scotland

Chart: Cumulative seven day cases per 100,000 population by specimen date to 28 March 2021



# Variants of concern or under investigation

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SARS-CoV-2 variants if considered to have concerning epidemiological, immunological or pathogenic properties are raised for formal investigation. At this point they are designated Variant Under Investigation (VUI) with a year, month, and number. Following risk assessment with the relevant expert committee, they may be designated Variant of Concern (VOC).

## VOC-20DEC-02 (S. African VOC)

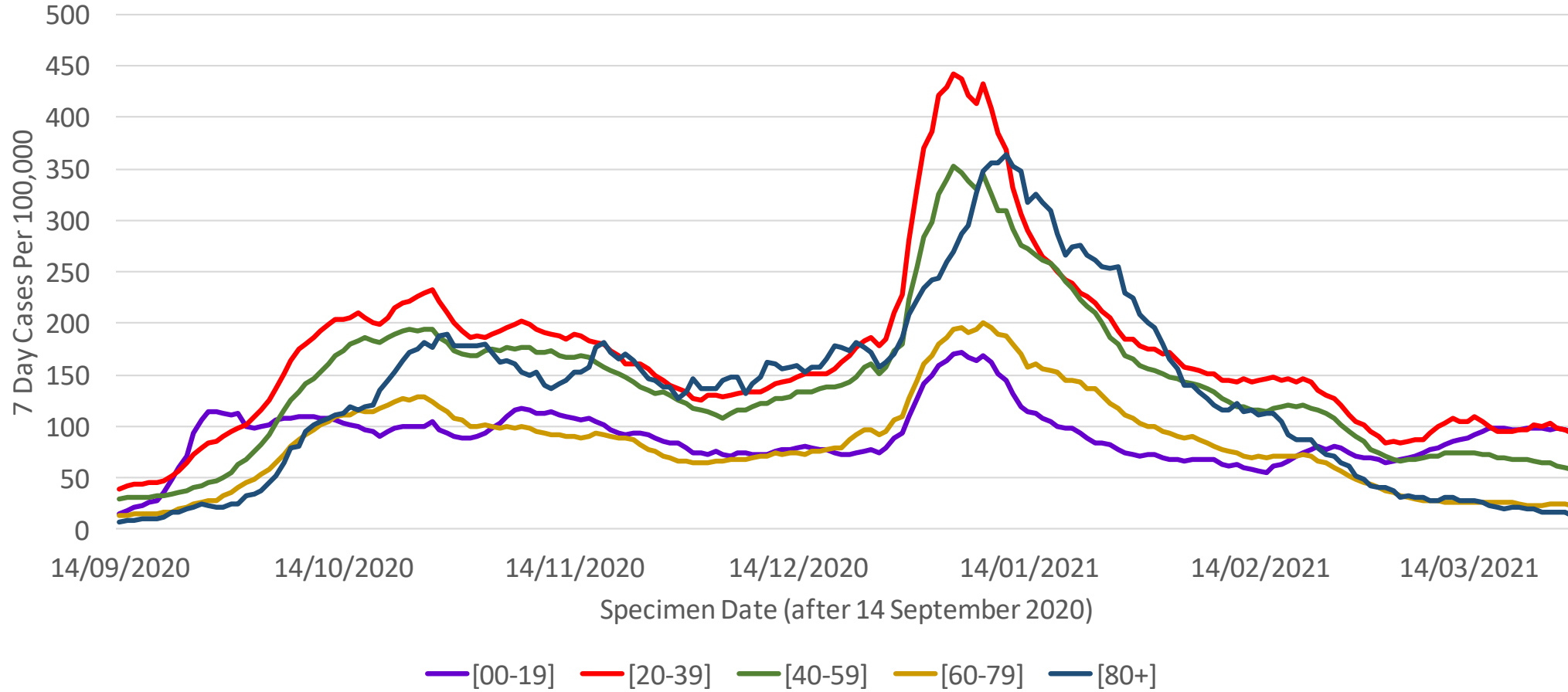
- 22 confirmed cases in Scotland (+0 from last week)
- 305 confirmed in the UK (+46 from last week)

## VOC-21JAN-02 (Brazilian/Japan P1)

- 3 confirmed cases in Scotland (+0 from last week)
- 21 confirmed in the UK (+14 from last week)

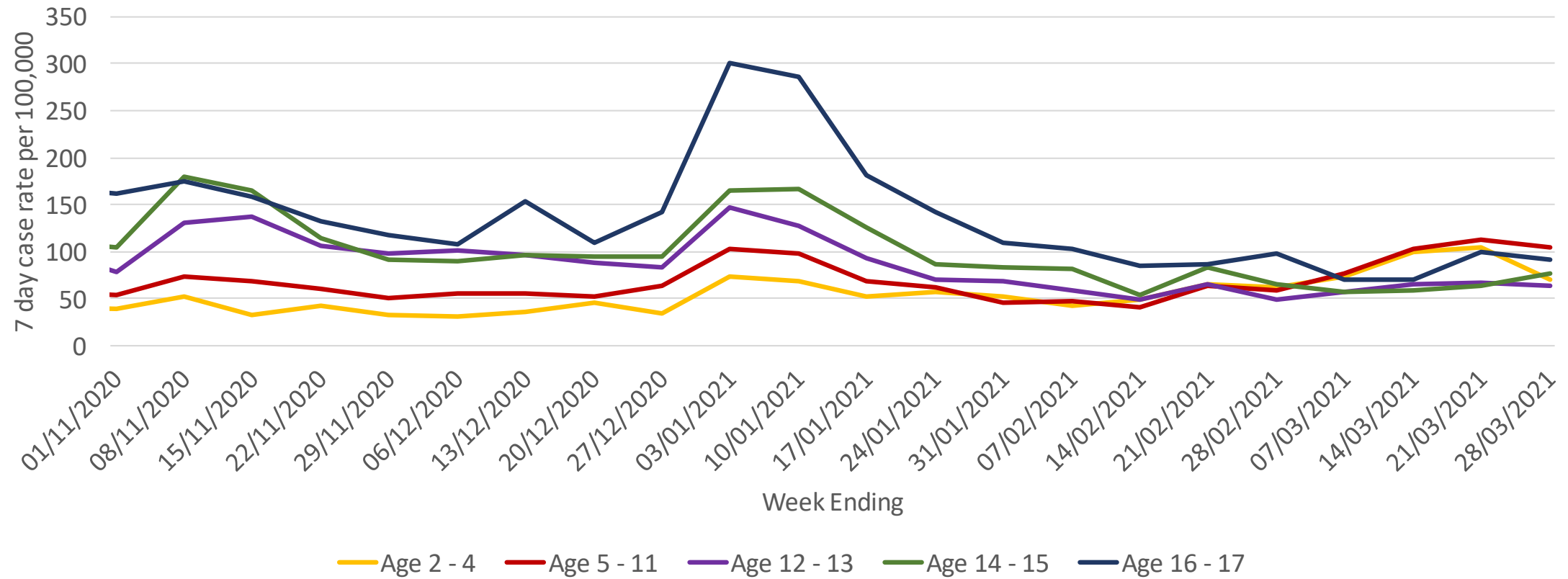
# Weekly cases have decreased slightly, with the sharpest decrease in 80+

Chart: 7 Day Cases (Positive PCR Testing Results) in Scotland by Age Band



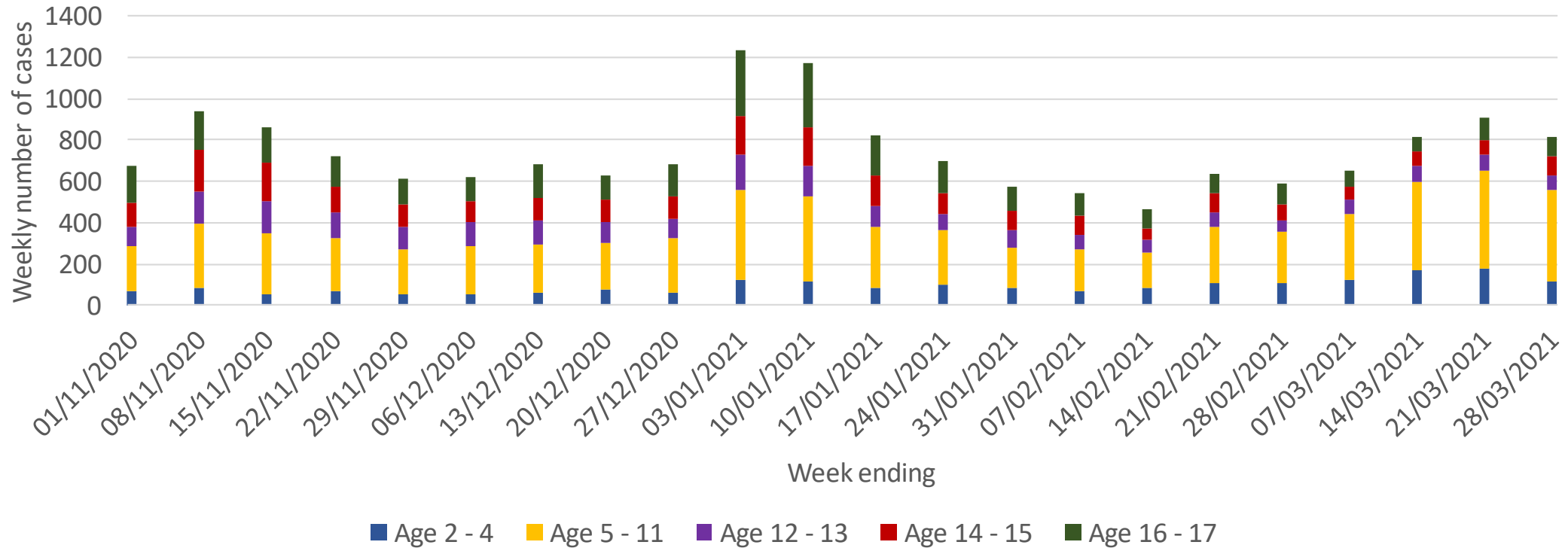
# Cases in children and young people have decreased over the last week, with increase observed only amongst 14-15 year olds.

Chart: 7-day case rate of children and young people per 100,000 (PHS)



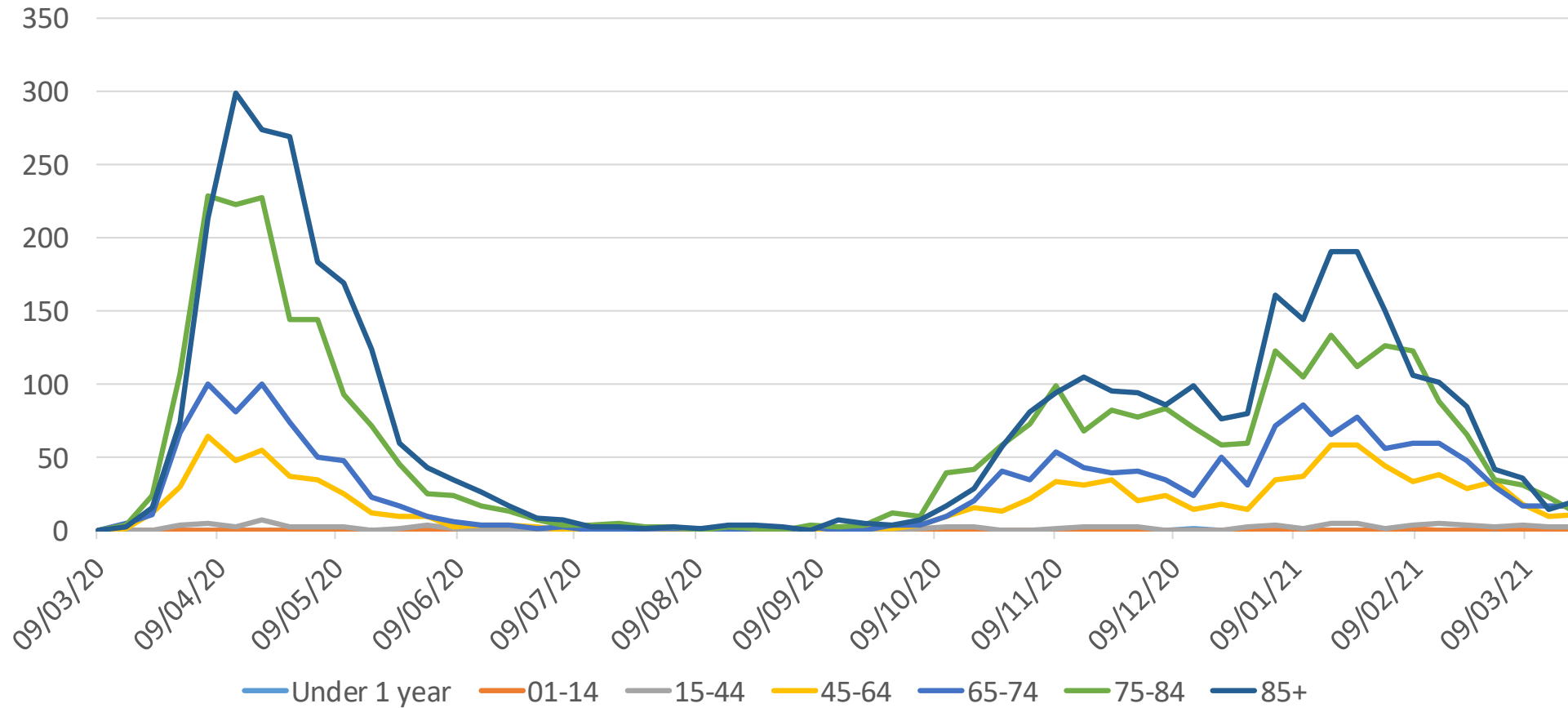


# Weekly number of COVID-19 cases over time, by age group (PHS)



# Deaths by age group (weekly total by week beginning, NRS)

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# New cases in Scotland are currently at 9 per 100,000 and are above England (7 per 100,000), Northern Ireland (7 per 100,000) and Wales (5 per 100,000)

Chart: 7 Day Average of New Daily Cases by Country for UK nations per 100,000 population

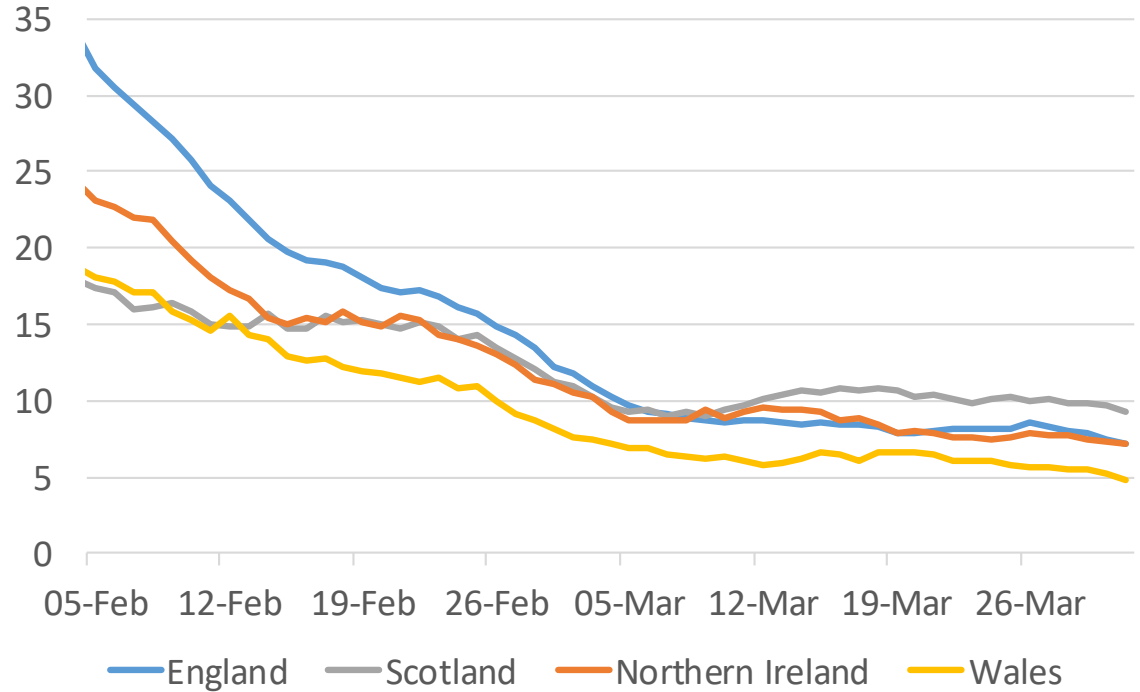
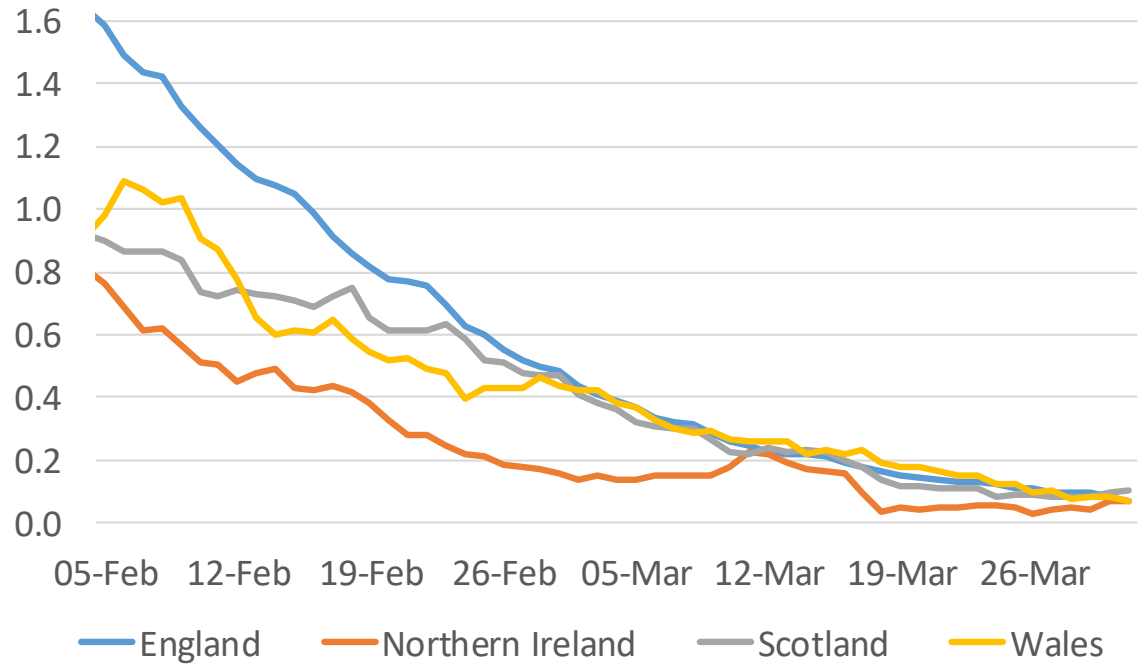
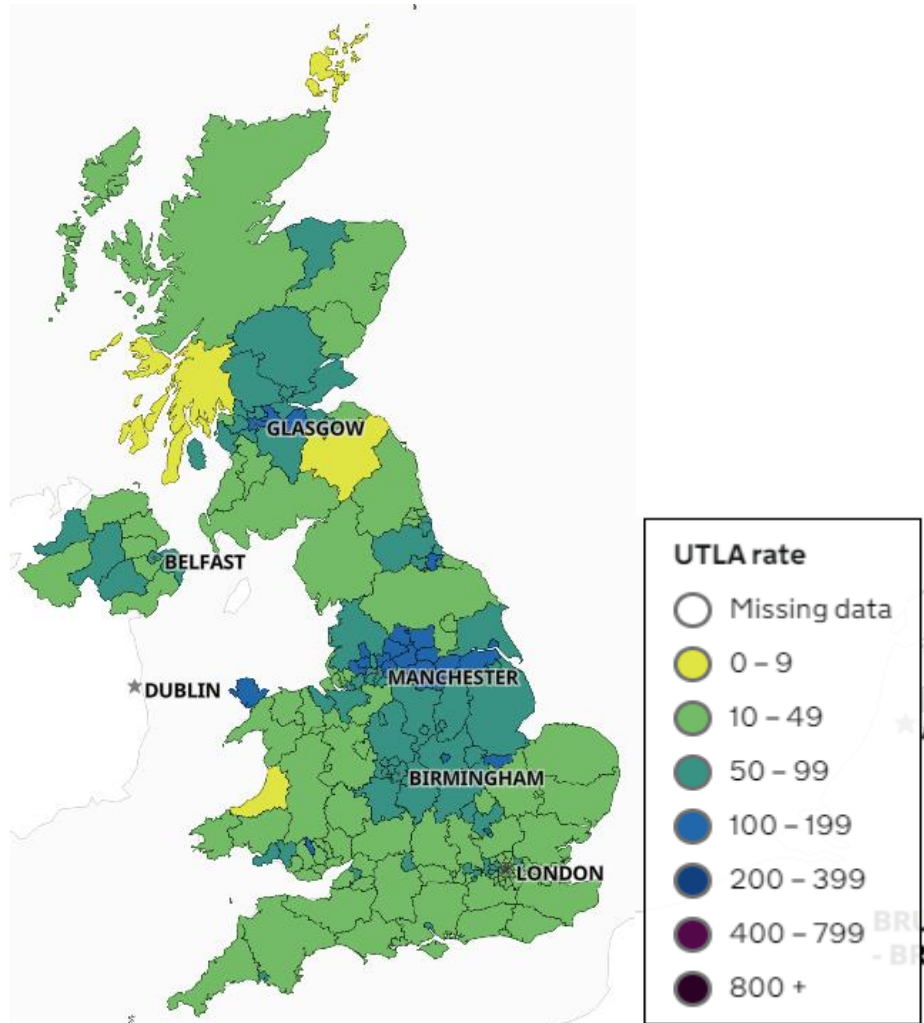


Chart: 7 Day Average of New Daily Deaths by Country for UK nations per 100,000 population

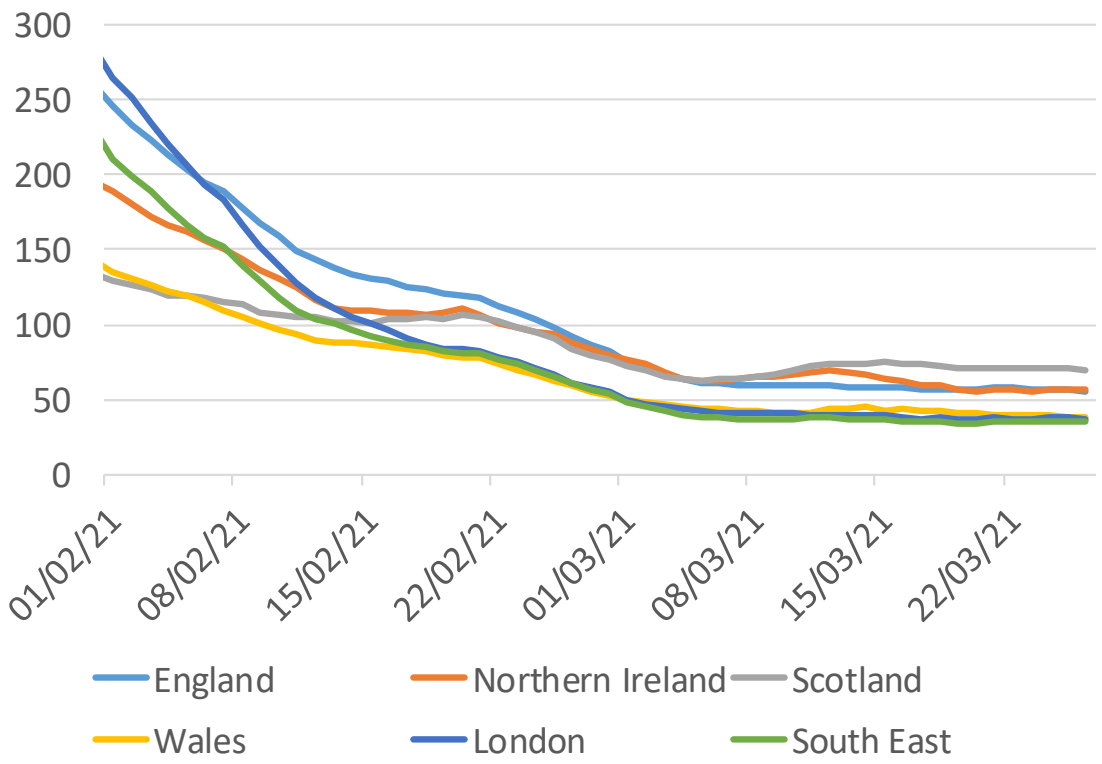


# Across the UK, case rates have plateaued in the last week

Coronavirus in the UK – Seven-day rolling rate to 24 March



Seven Day average of new daily cases across UK by specimen date – including London and South East England (1-Feb – 26-Mar)



Source: Seven-day rolling rate of new cases per 100,000, [UK Government](https://www.gov.uk/coronavirus)

Source- <https://coronavirus.data.gov.uk/details/download>

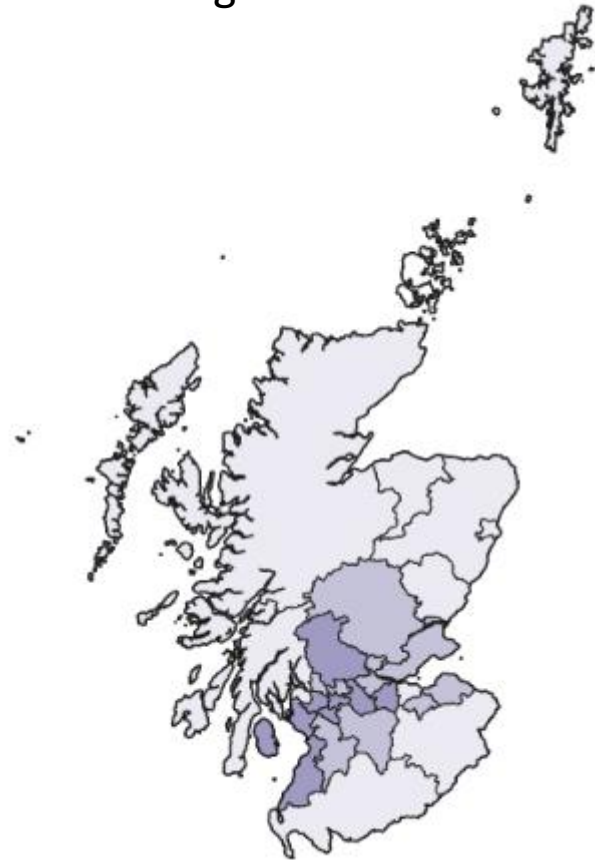
# Na h-Eileanan Siar and Orkney reported no cases in the week to 28 March

7 day cases per 100,000 by local authority

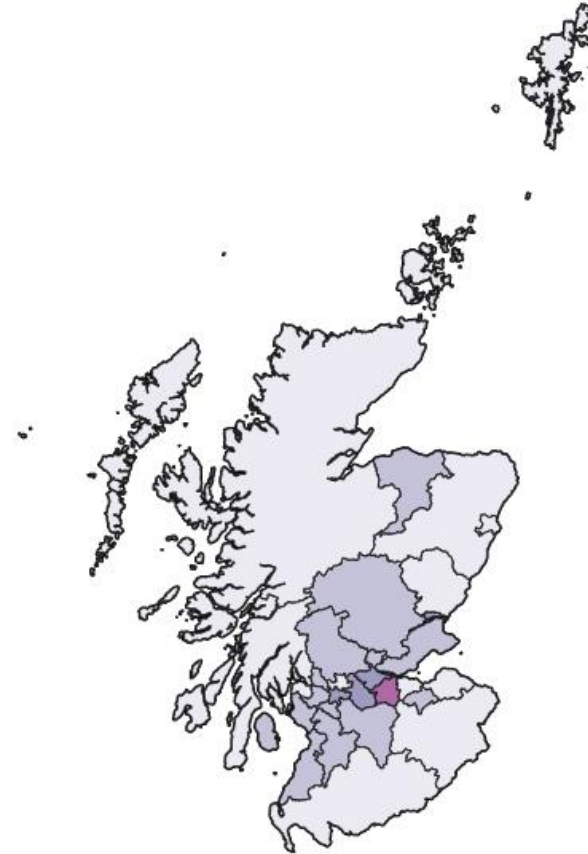
7 day positive rate per 100,000 population



Week ending 15-Mar



Week ending 22-Mar



Week ending 28-Mar

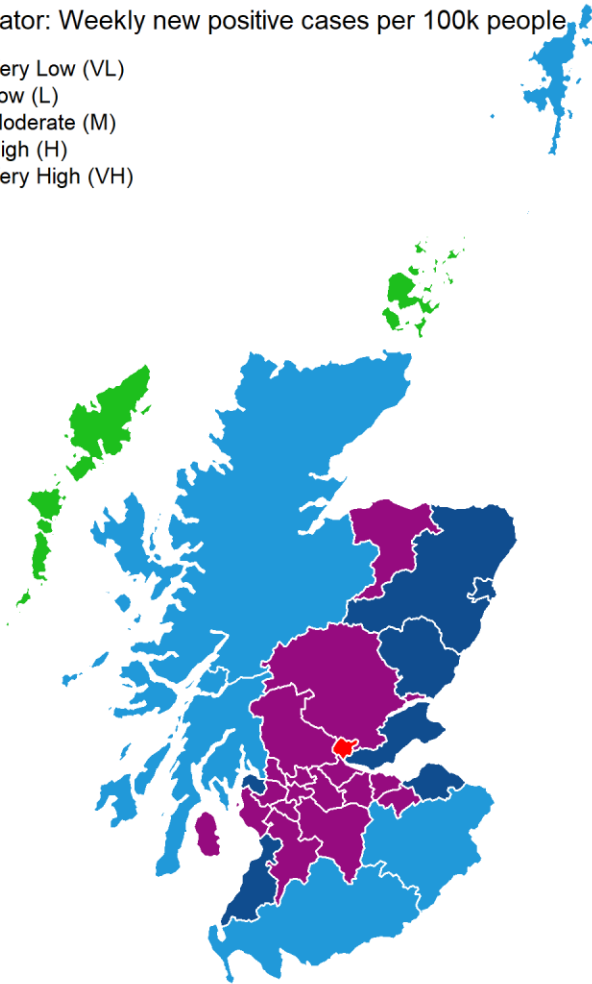


# Weekly New Cases, Test Positivity and Forecast Cases – data to 28<sup>th</sup> March 2021

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Indicator: Weekly new positive cases per 100k people

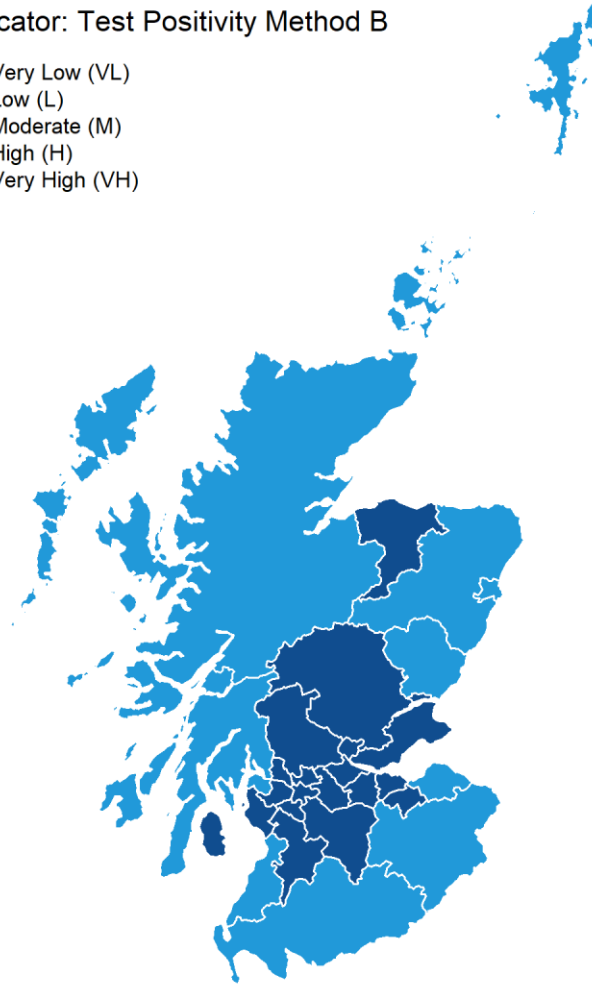
- Very Low (VL)
- Low (L)
- Moderate (M)
- High (H)
- Very High (VH)



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Indicator: Test Positivity Method B

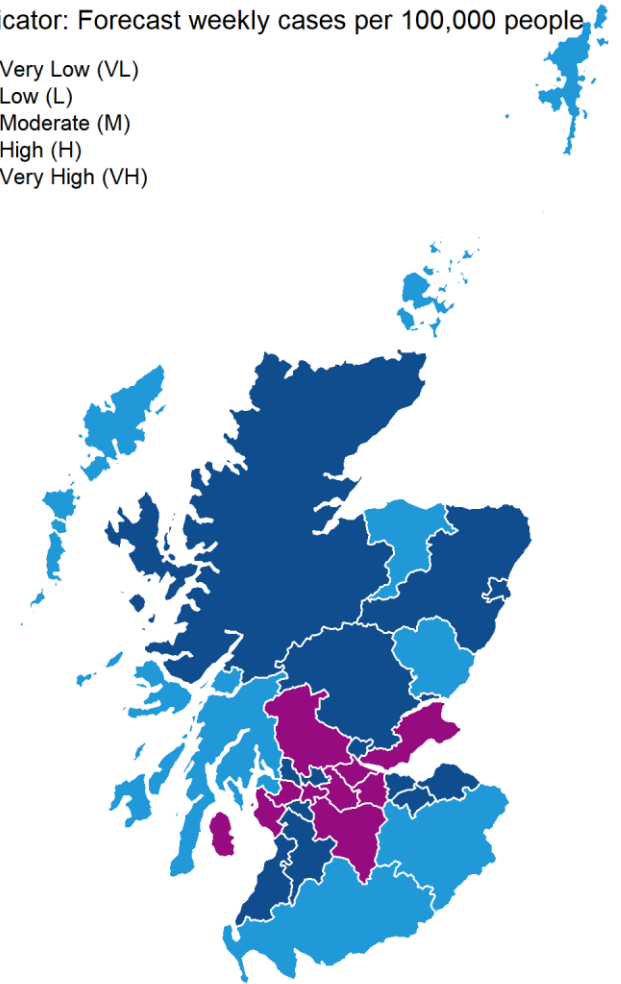
- Very Low (VL)
- Low (L)
- Moderate (M)
- High (H)
- Very High (VH)



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Indicator: Forecast weekly cases per 100,000 people

- Very Low (VL)
- Low (L)
- Moderate (M)
- High (H)
- Very High (VH)

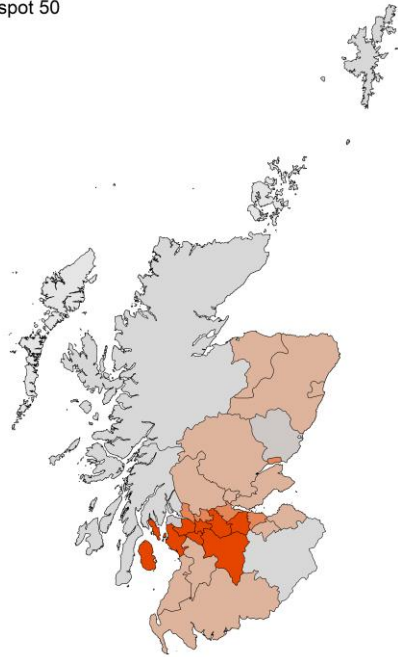


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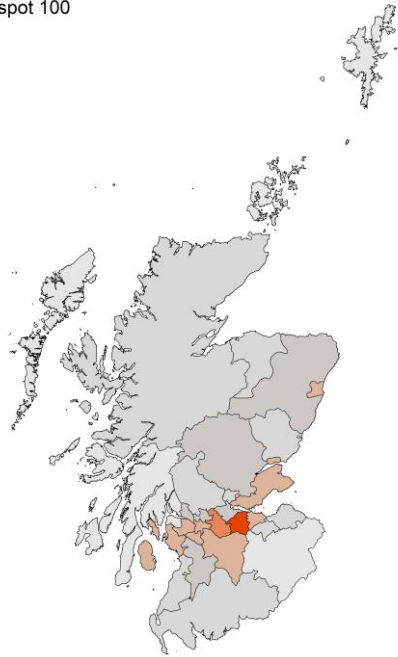
# Probability of local authority areas having more than 50, 100, 300 or 500 cases per 100K (11 – 17 April 2021).

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Hotspot 50



Hotspot 100



Hotspot 300

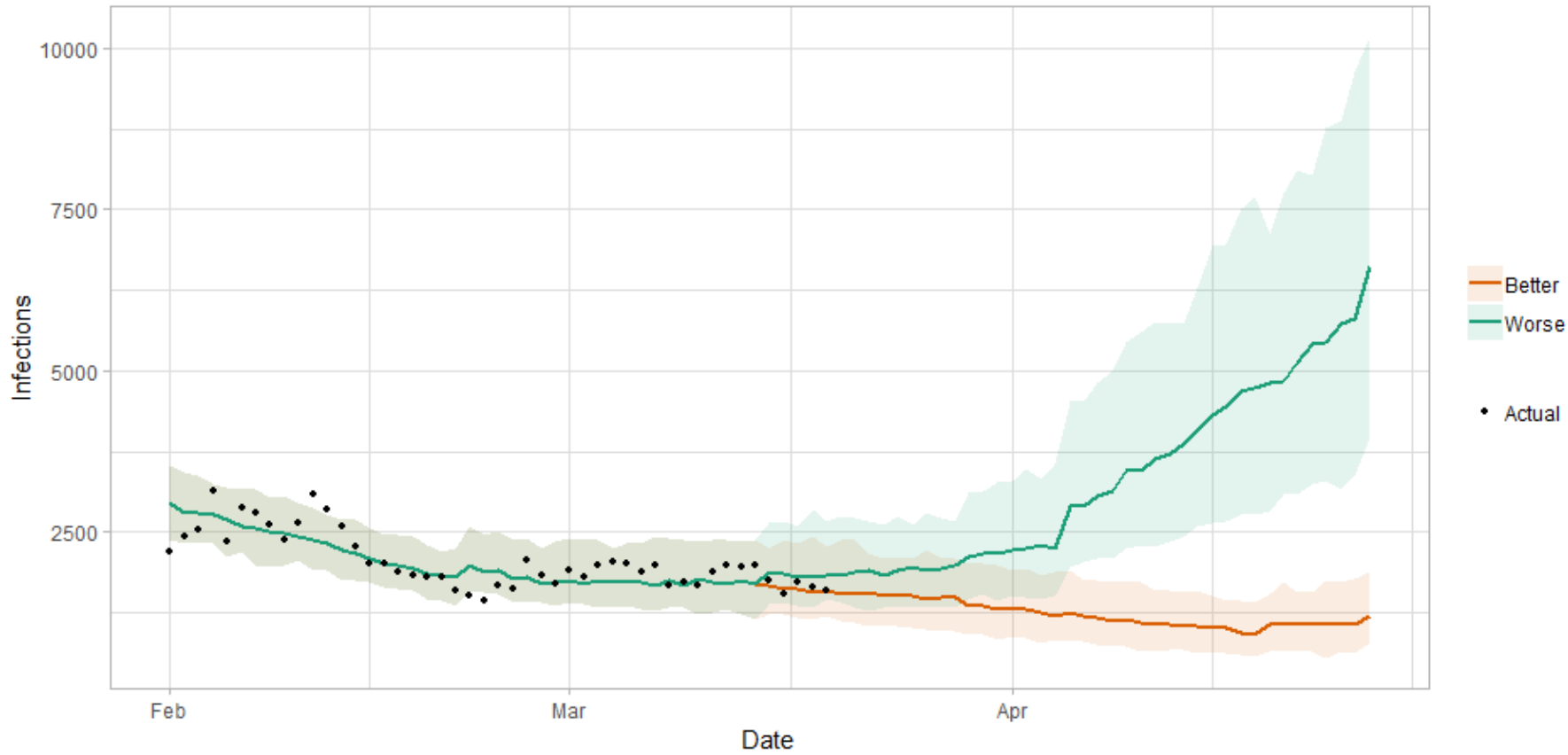


Hotspot 500



# Medium term forecast of modelled total new infections

*Chart: Medium term forecast of modelled total new infections*





Hospital bed and ICU occupancy are projected to fall over the next few weeks, but both may plateau or increase as a result of schools reopening and other relaxations of non-pharmaceutical interventions.

Chart 1: Actual and projected hospital bed use for Covid patients

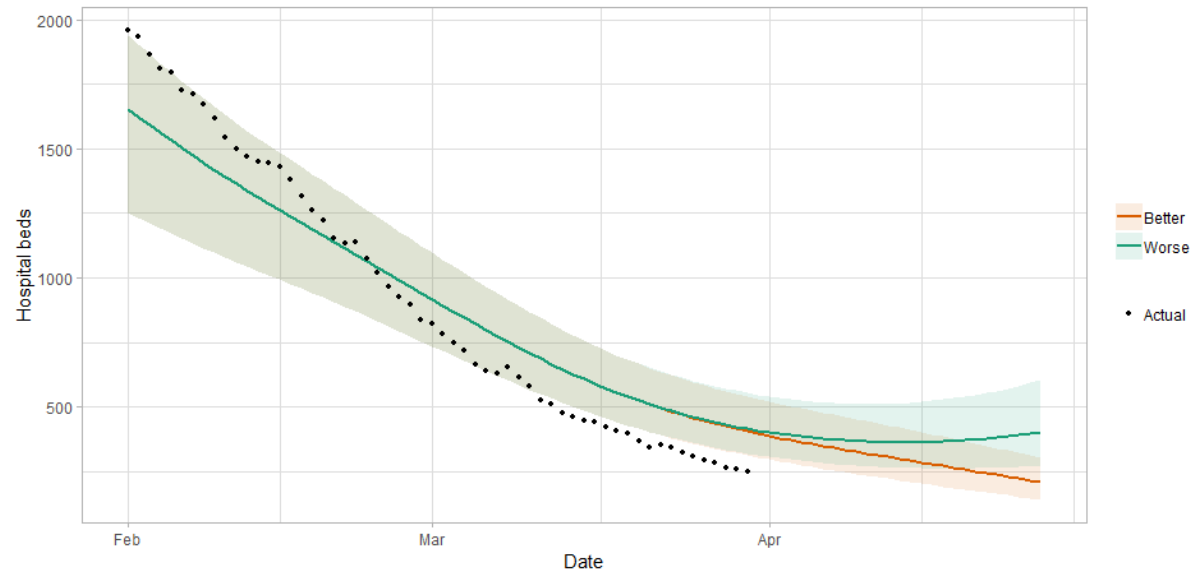
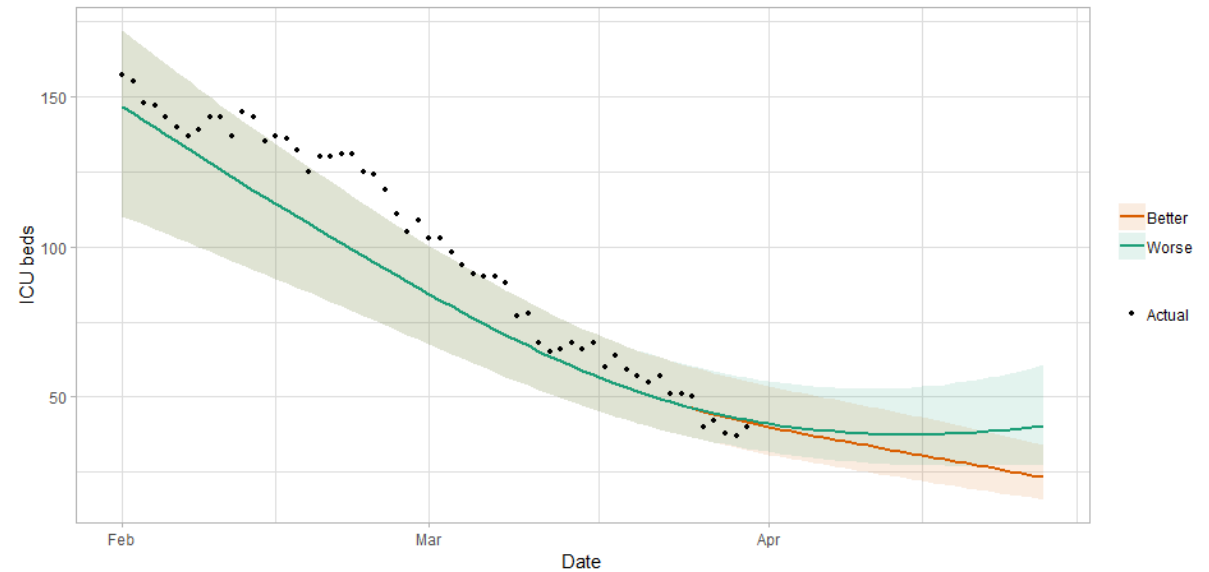
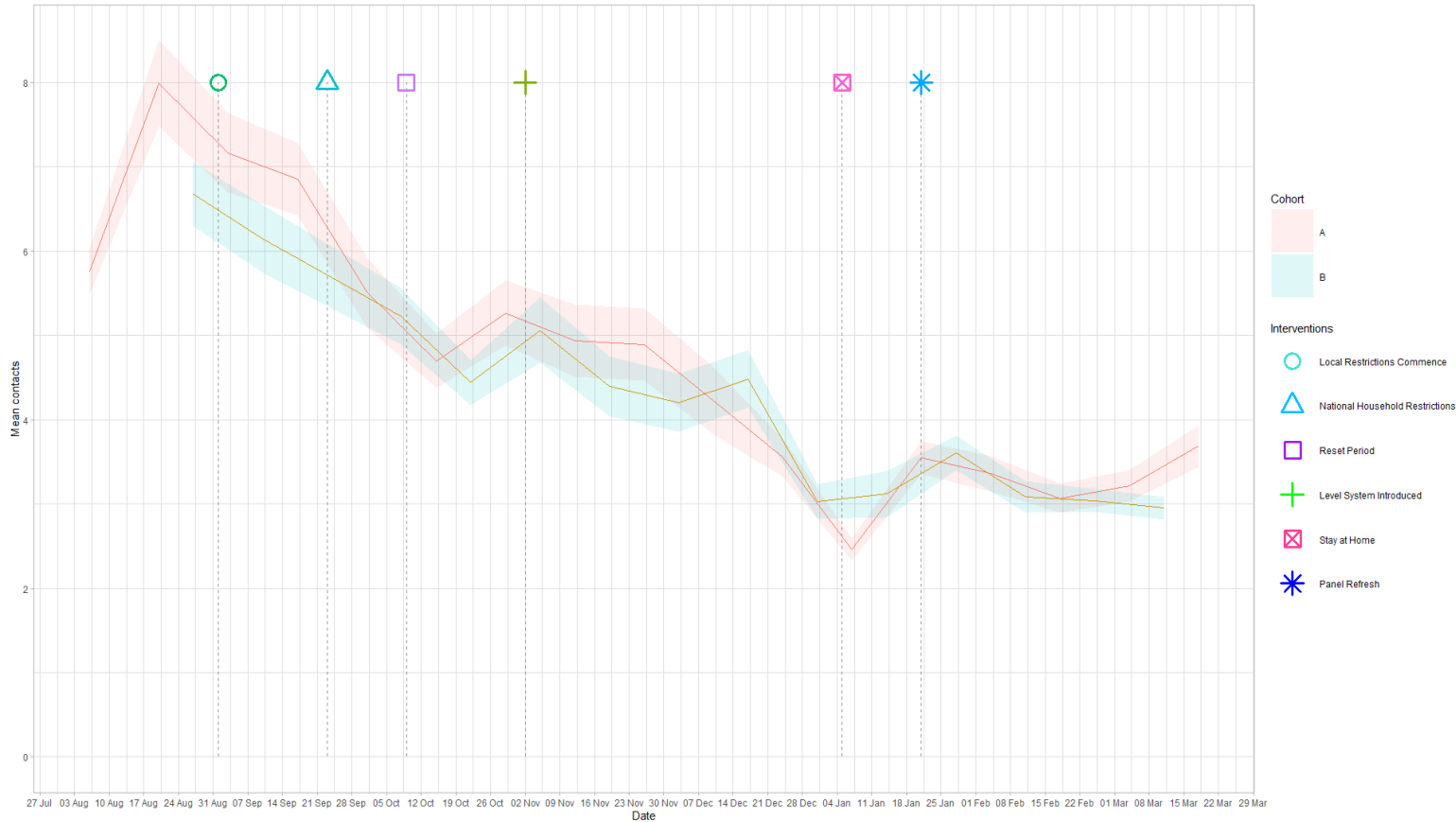


Chart 2: Actual and projected ICU bed use for Covid patients



# Current contact levels are at approximately 3.7 average contacts per day

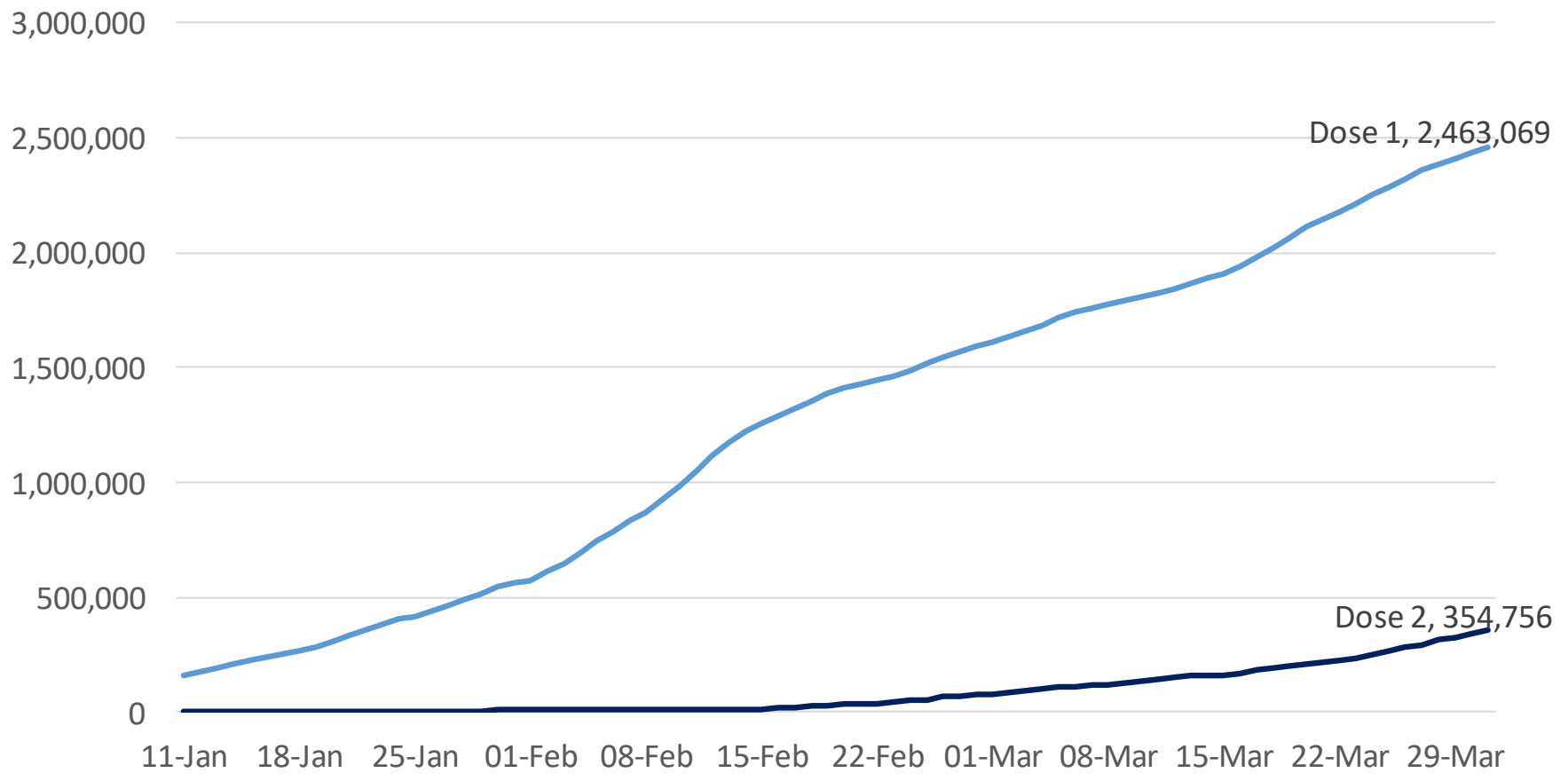
Chart: Mean Adult Contacts (truncated at 100) from SCS



Source: Scottish Government modelling.

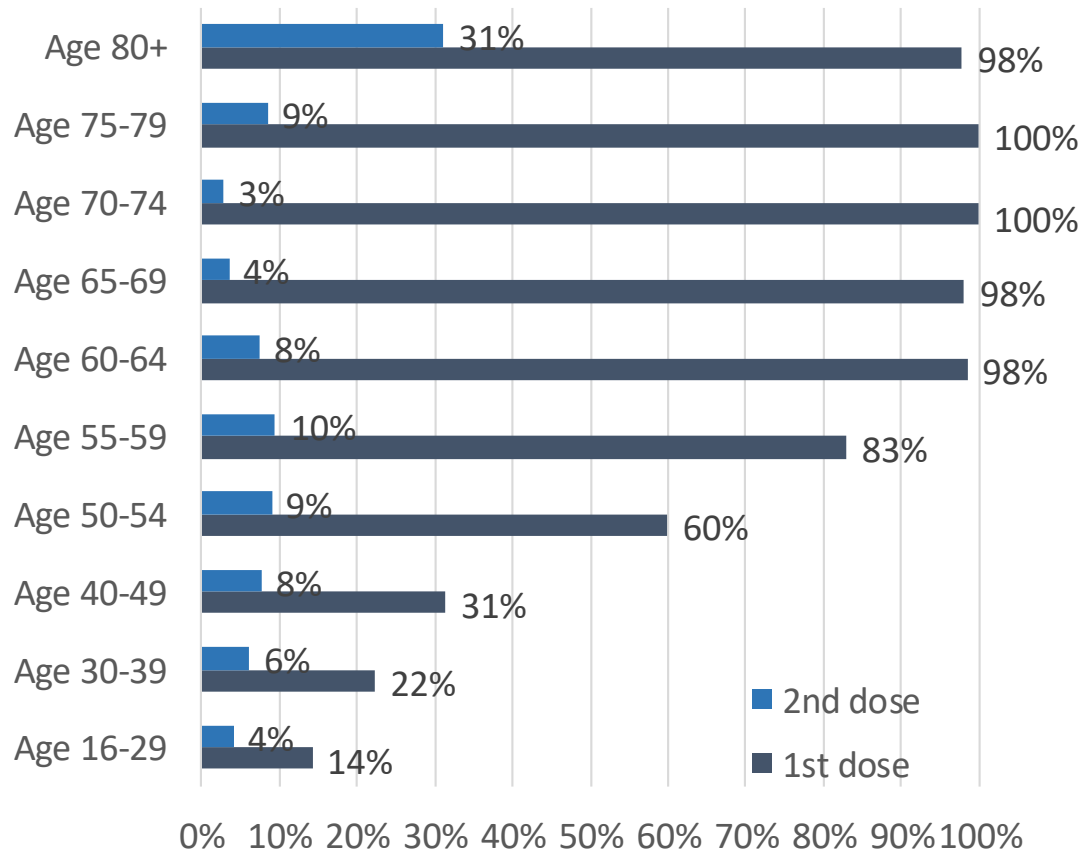
# 2,463,069 people have received the first dose of the COVID vaccination in the period 8 December to 31 March

Chart: Number of people who have received dose 1 and dose 2 of the vaccine, Scotland (to 31 Mar 2021)

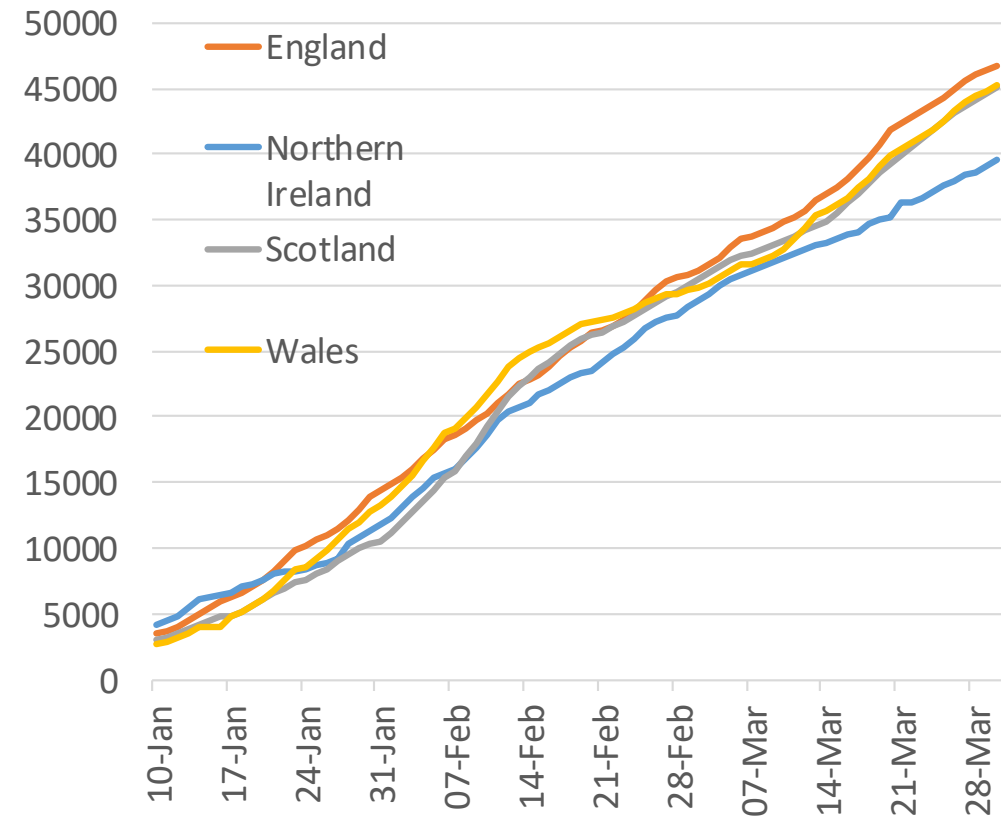


# A high proportion of the most vulnerable have now received a first vaccination

Estimated % of people vaccinated in Scotland to end of 31<sup>st</sup> Mar



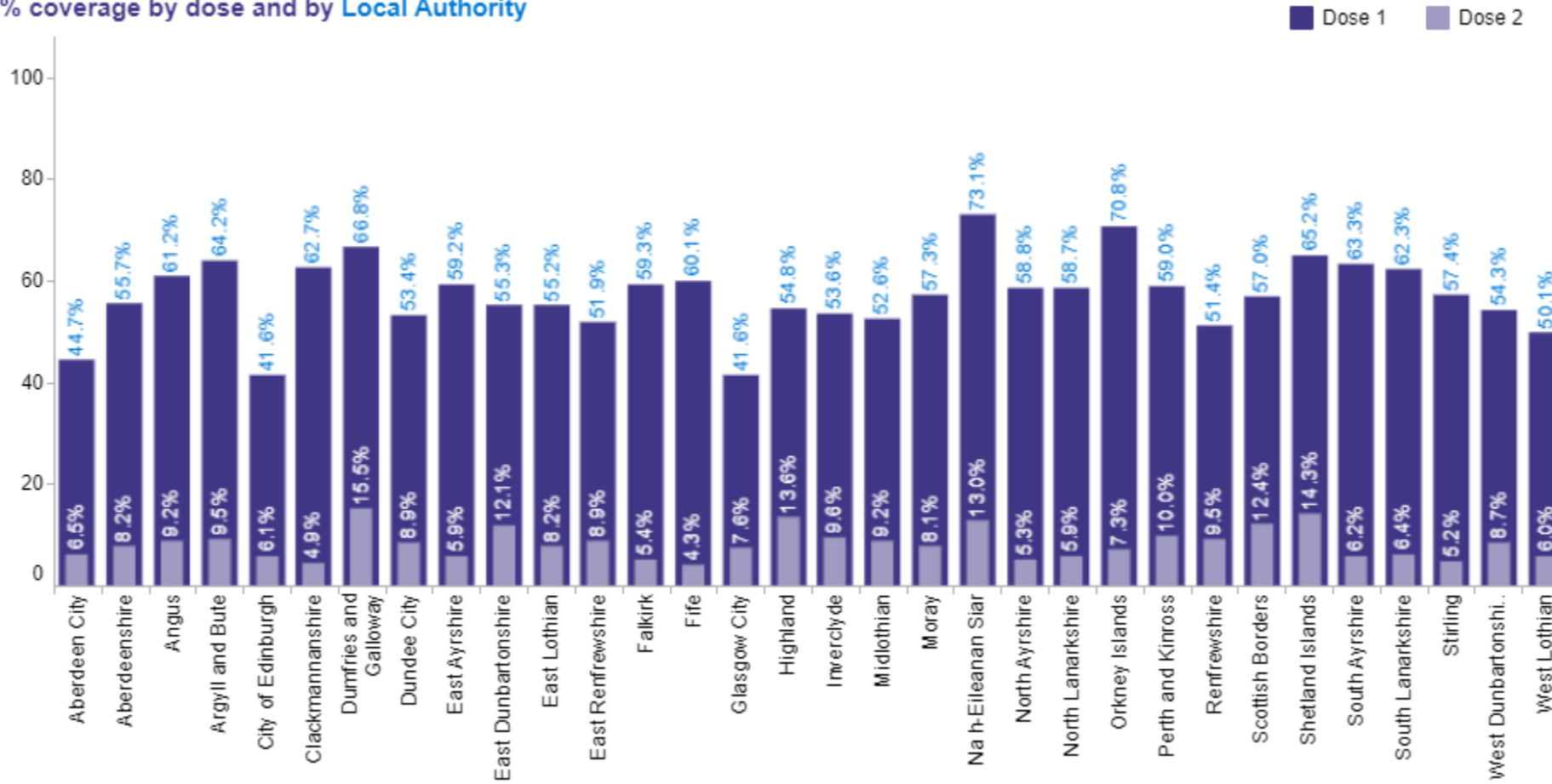
Number of people vaccinated with a first dose per 100,000 UK



# Vaccinations by Local Authority

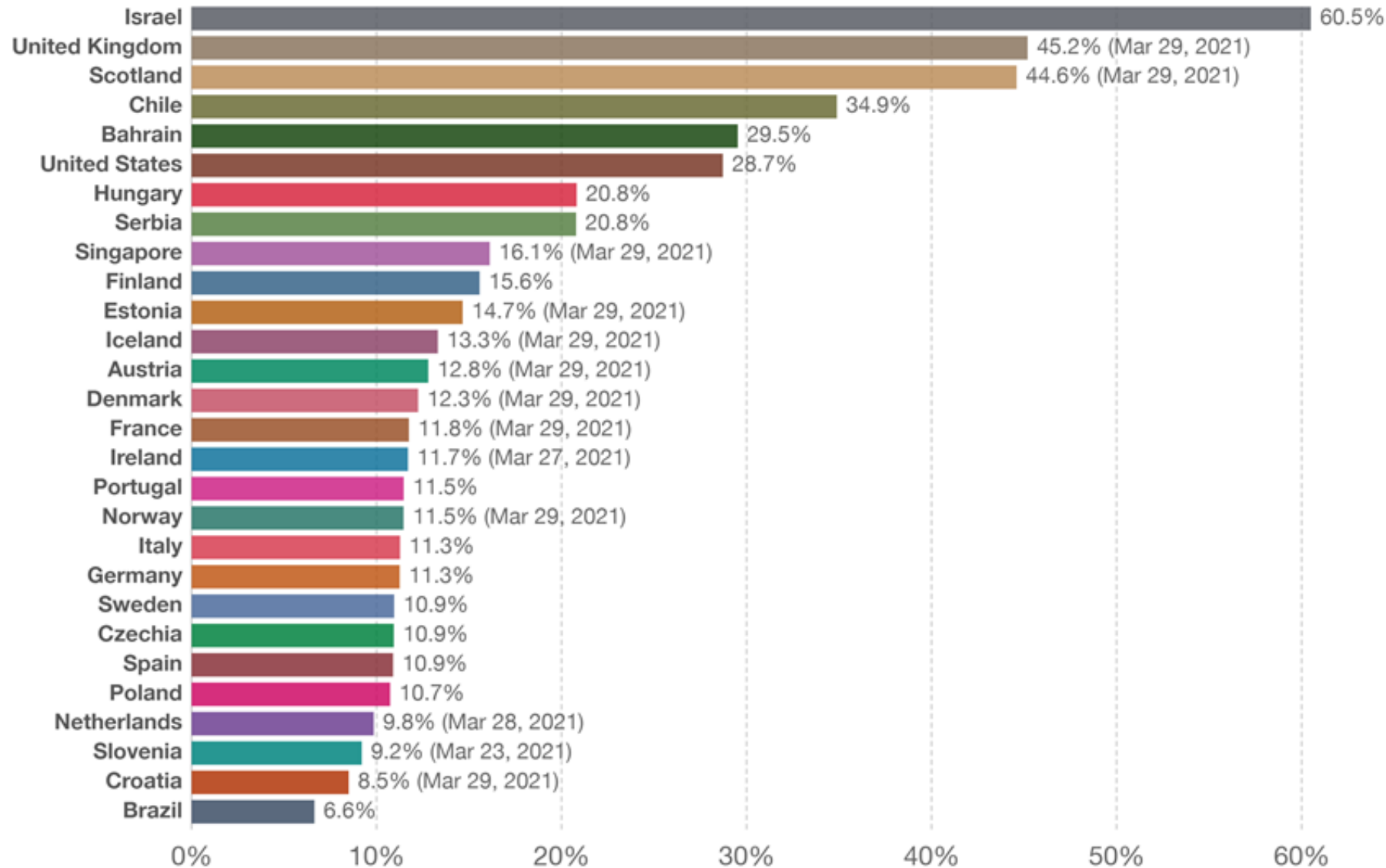
% coverage dose 1 and 2, to 30 March

% coverage by dose and by Local Authority



# Share of people who received at least one dose of COVID-19 vaccine, Mar 30, 2021

Share of the total population that received at least one vaccine dose. This may not equal the share that are fully vaccinated if the vaccine requires two doses.



# Conclusions

1

The number of new cases of COVID-19 has decreased by 7% over the last week, with R remaining between 0.8 and 1.0.

2

Number of patients in hospital and ICU has continued to decline over the last week. Registered COVID related deaths have decreased by 8% in the week to 28 March.

3

Variant B.1.1.7 or VOC-202012/01 is now prevalent in Scotland and we are monitoring other variants of concern.

4

Almost 2.5 million people have now been vaccinated (1<sup>st</sup> dose), which is 54.2% of Scotland's adult population. Over 354,000 people have received their second dose which is 7.8% of those 16+.