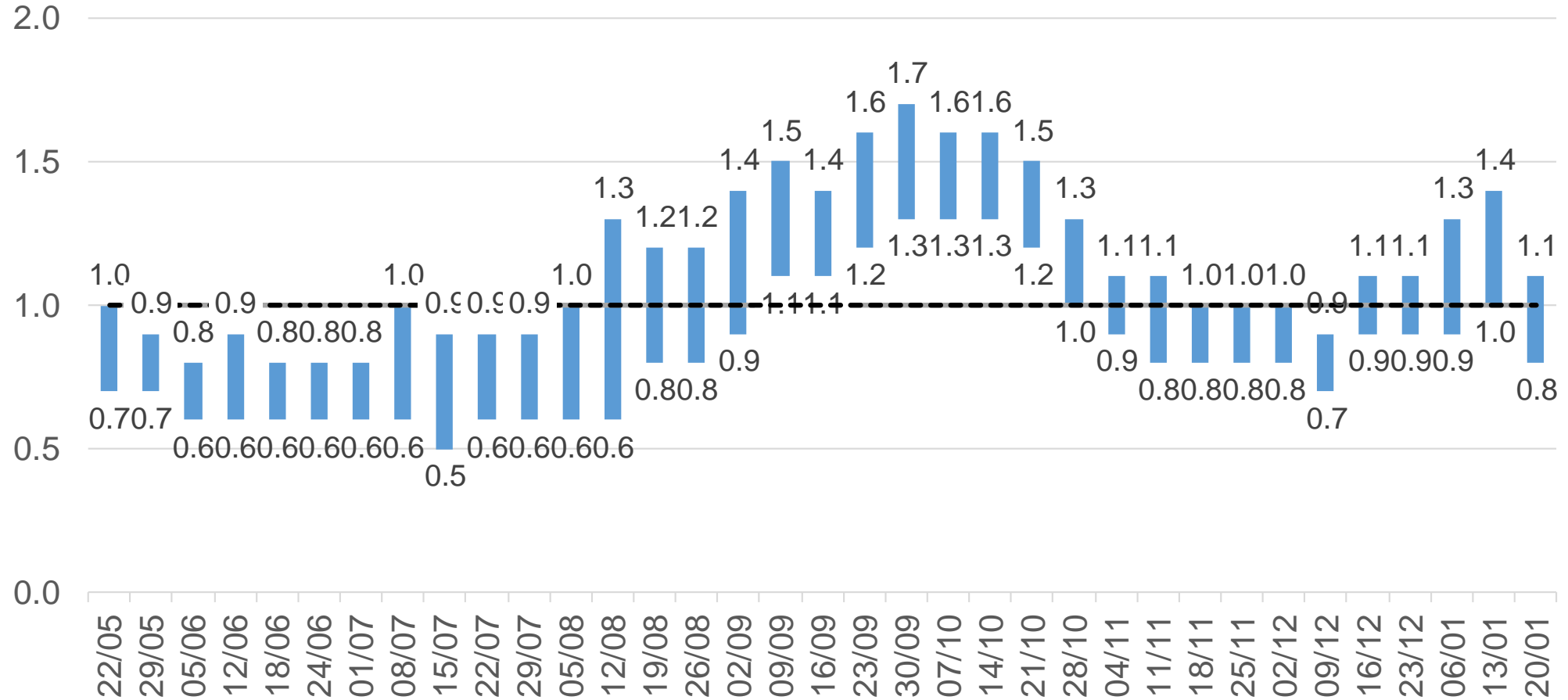


Covid: State of the epidemic

Thursday 21st January

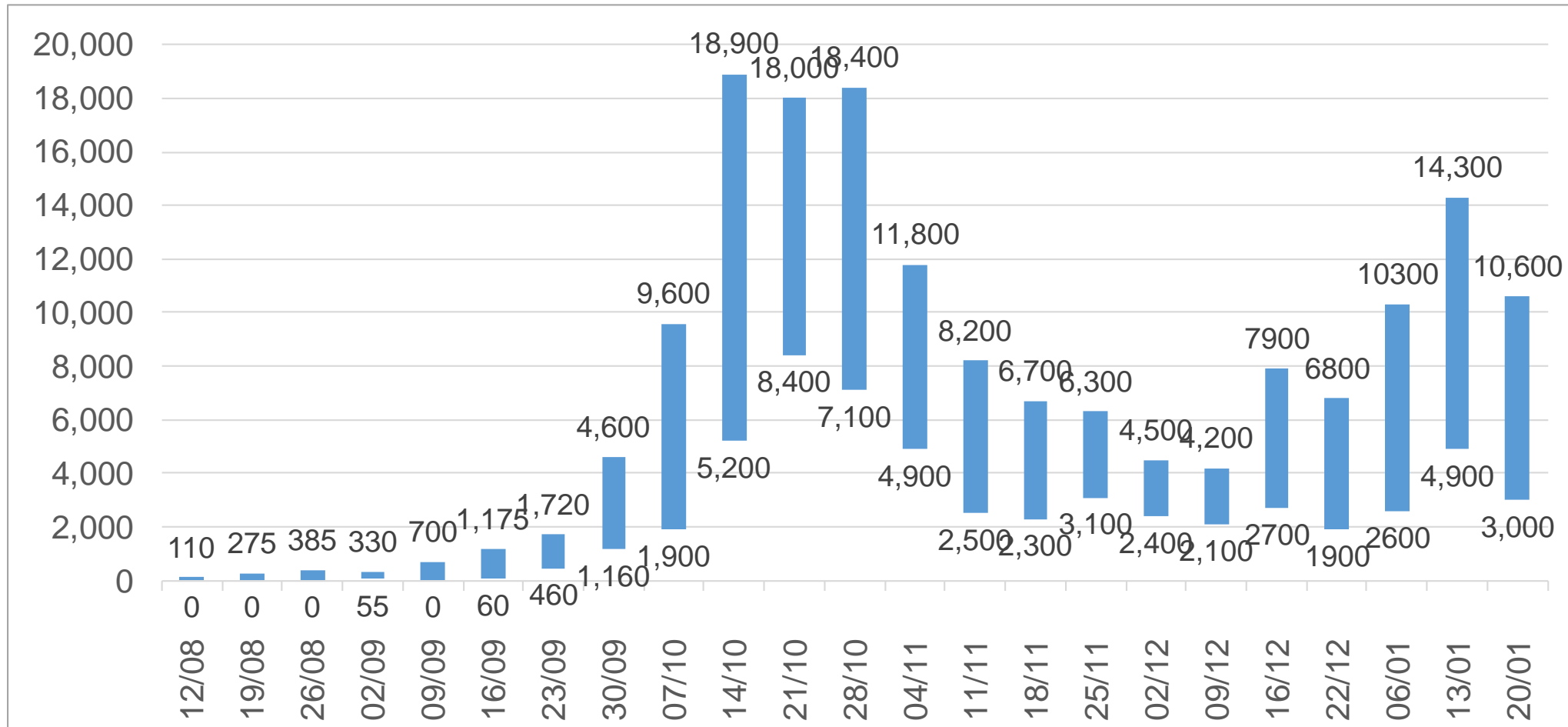
R is between 0.8 and 1.1



The current **range for R** in Scotland is between 0.8 and 1.1. This has decreased from 1.0 to 1.4 on 13 January 2021.

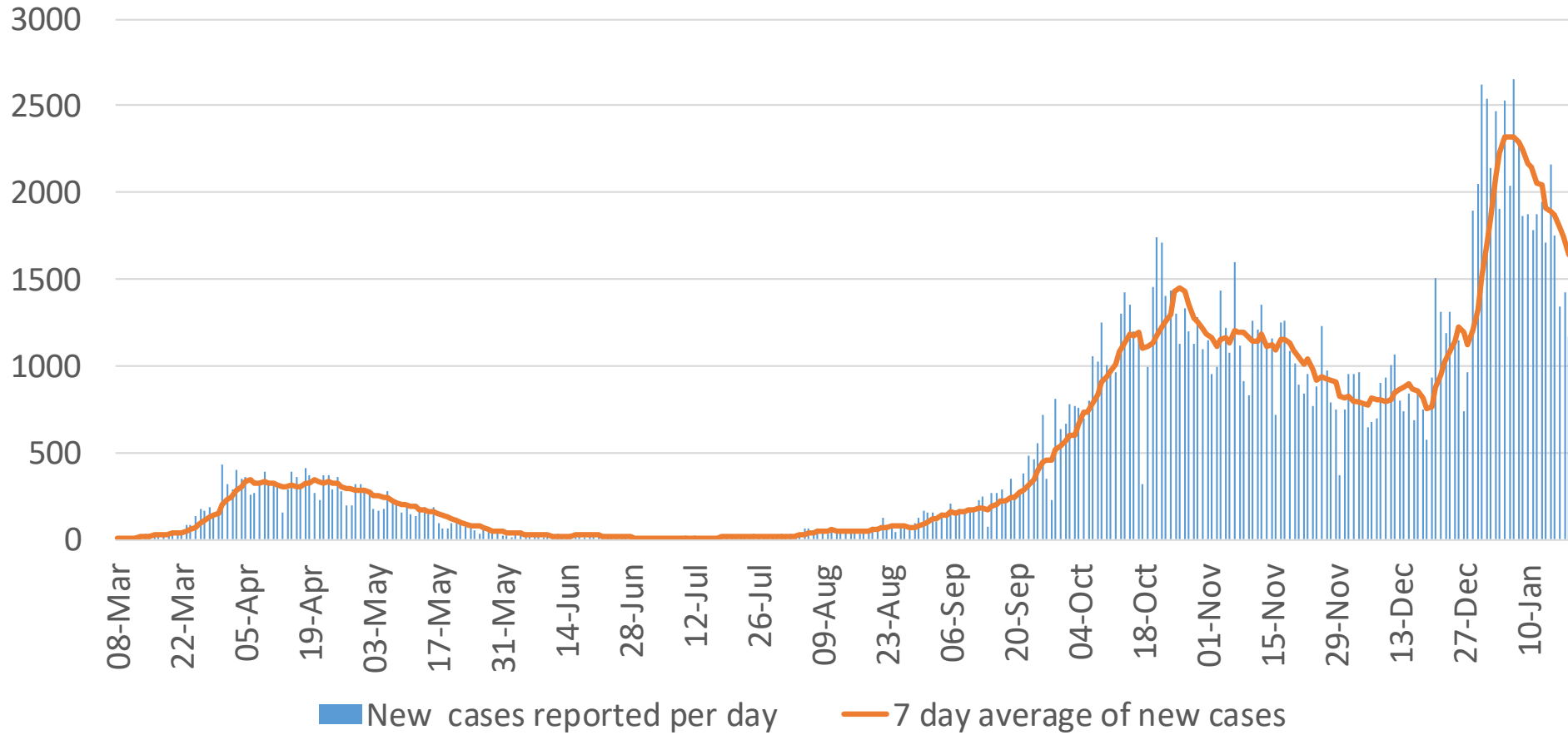
The range of daily infections was between 3,000-10,600 this week

Chart: Estimated total number of infections per day, Scotland



Number of confirmed daily cases has been decreasing over the last 2 week

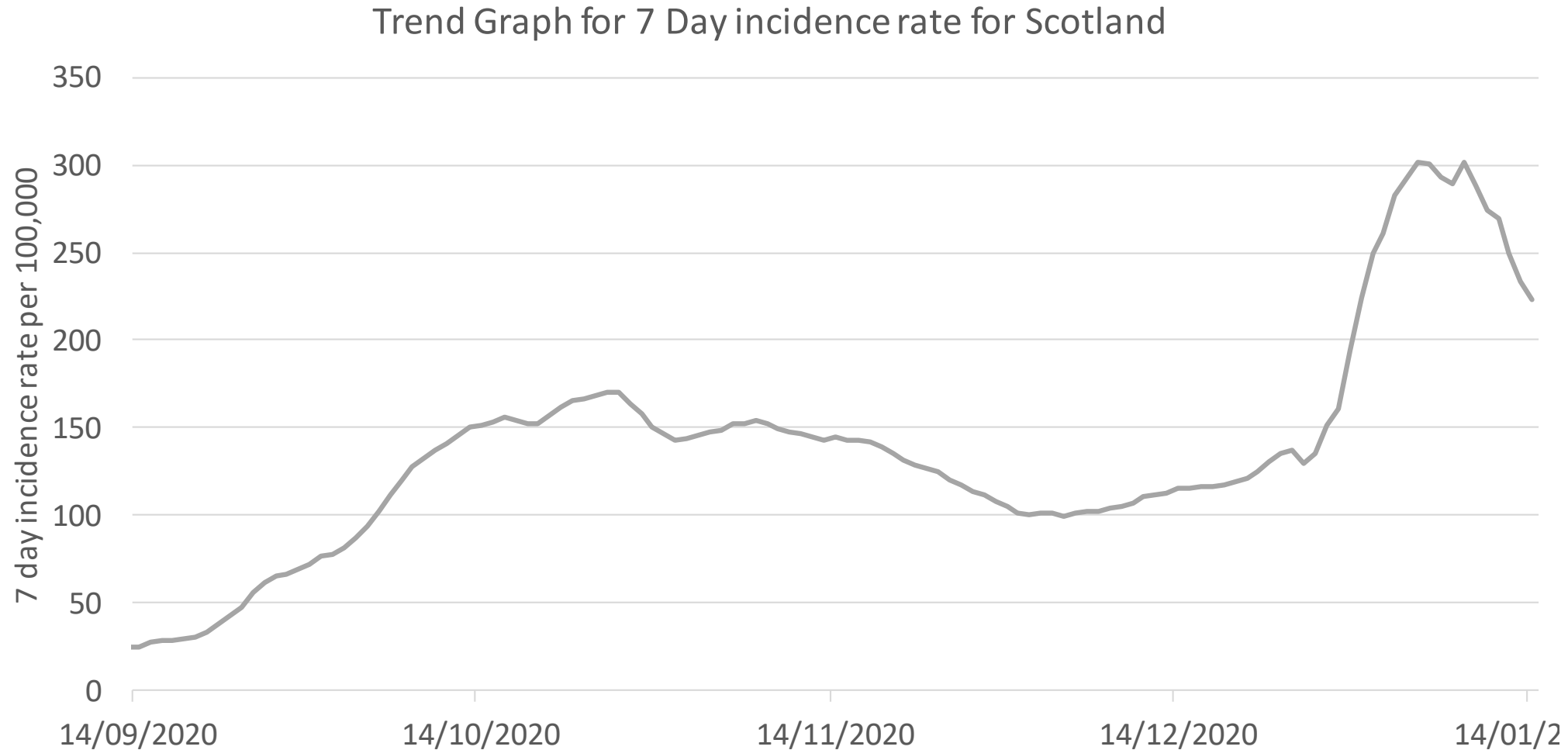
Chart: Number of confirmed Covid cases per day, Scotland



Incidence rate in Scotland has been decreasing for just over a week

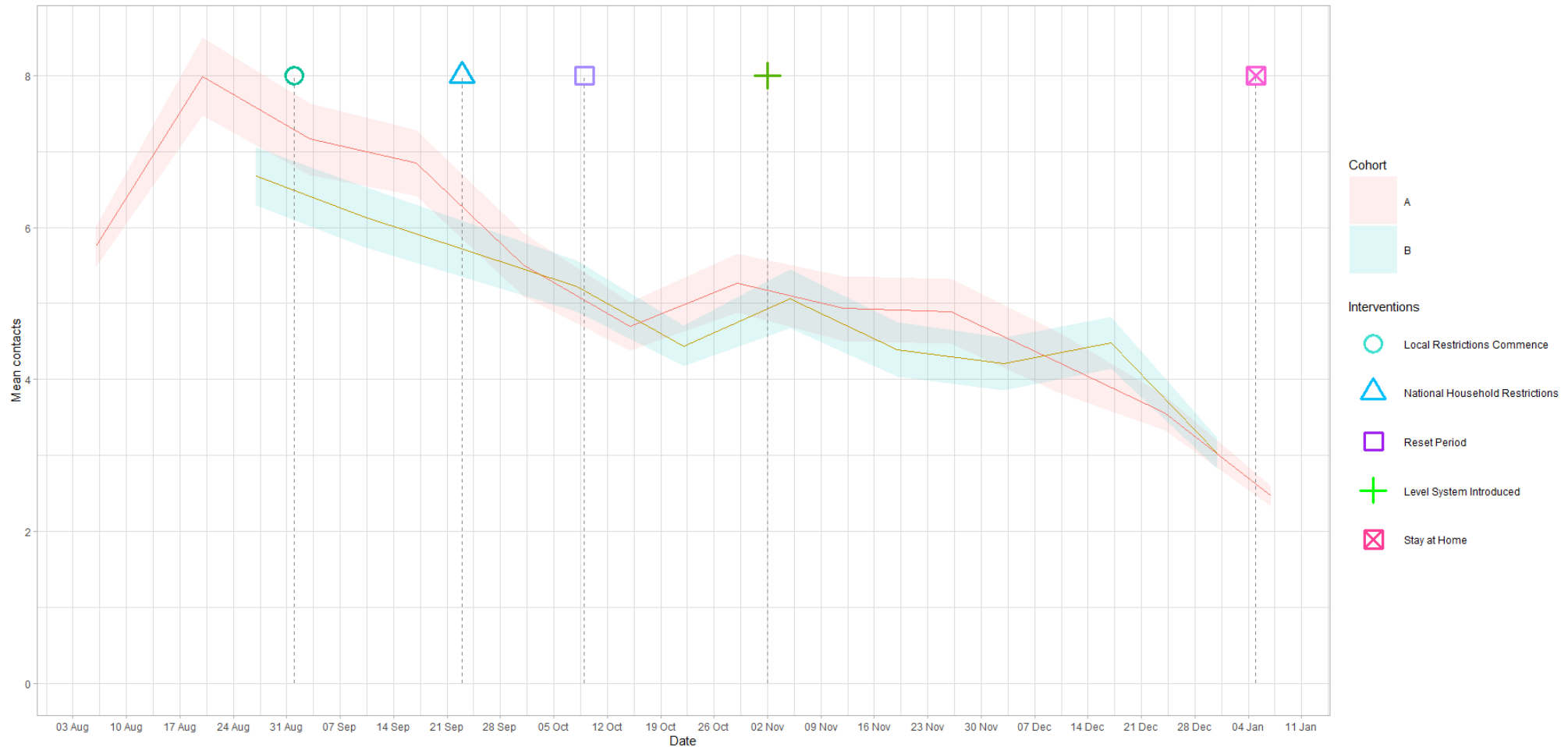
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Chart: Cumulative seven day incidence per 100,000 population by specimen date to 14th January 2021



The biggest reduction in mean contacts is seen within the other setting. This has reduced by 52% for 7 – 13 Jan compared to the festive period two weeks prior. Mean contacts within the work and home setting have also decreased by 27% and 16% respectively.

Chart: Mean Adult Contact for panel A and panel B (truncated at 100)



New cases in Scotland remain lower than other parts of the UK

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

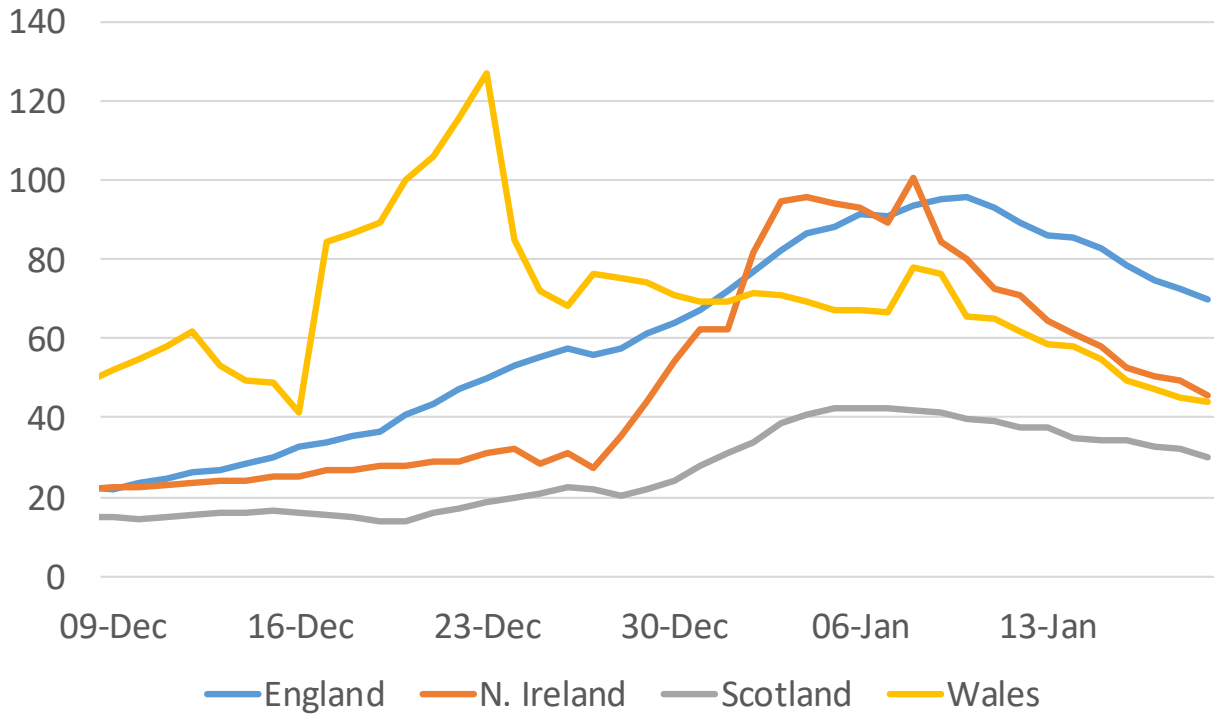
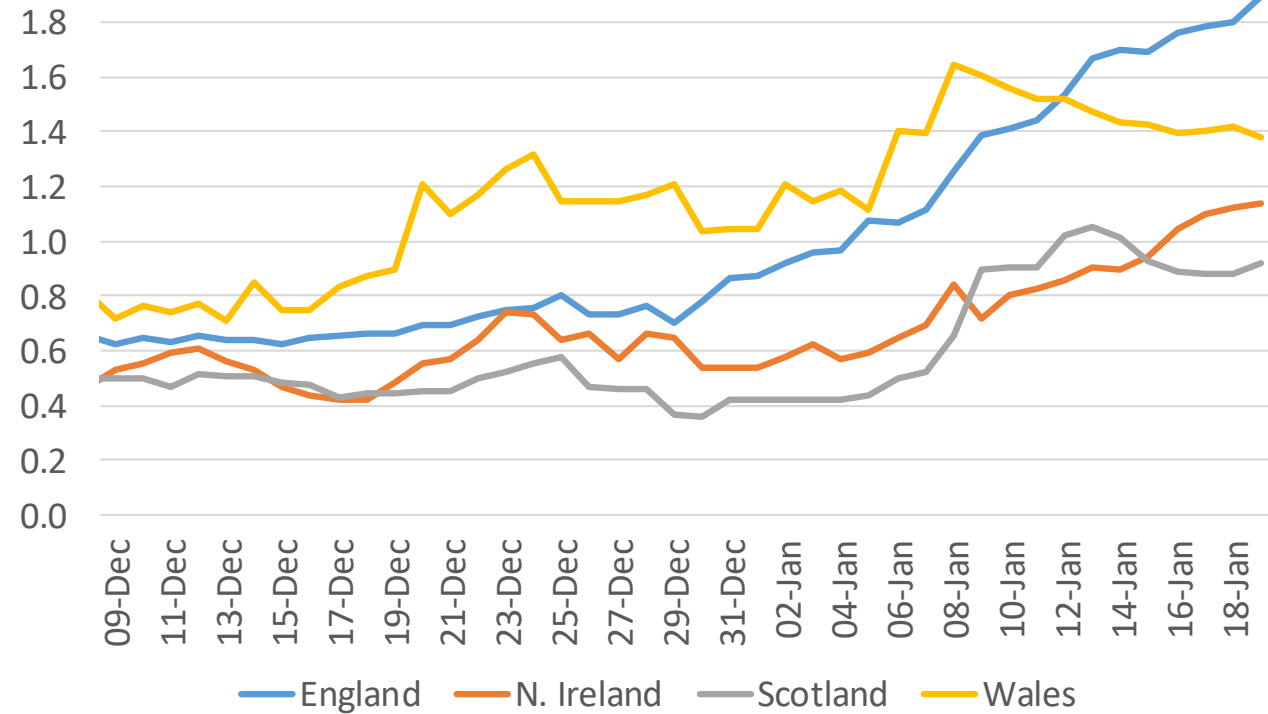
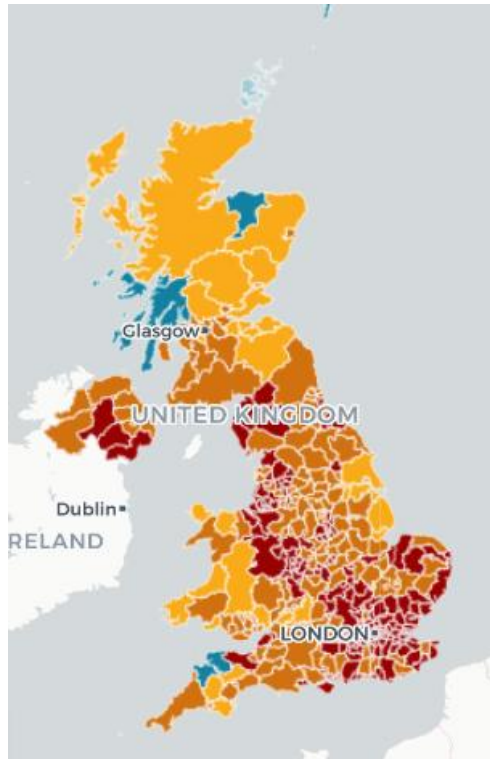
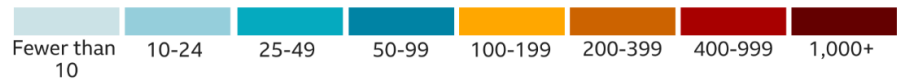


Chart: 7 Day Average of New Daily Deaths by Country for UK nations per 100,000 population

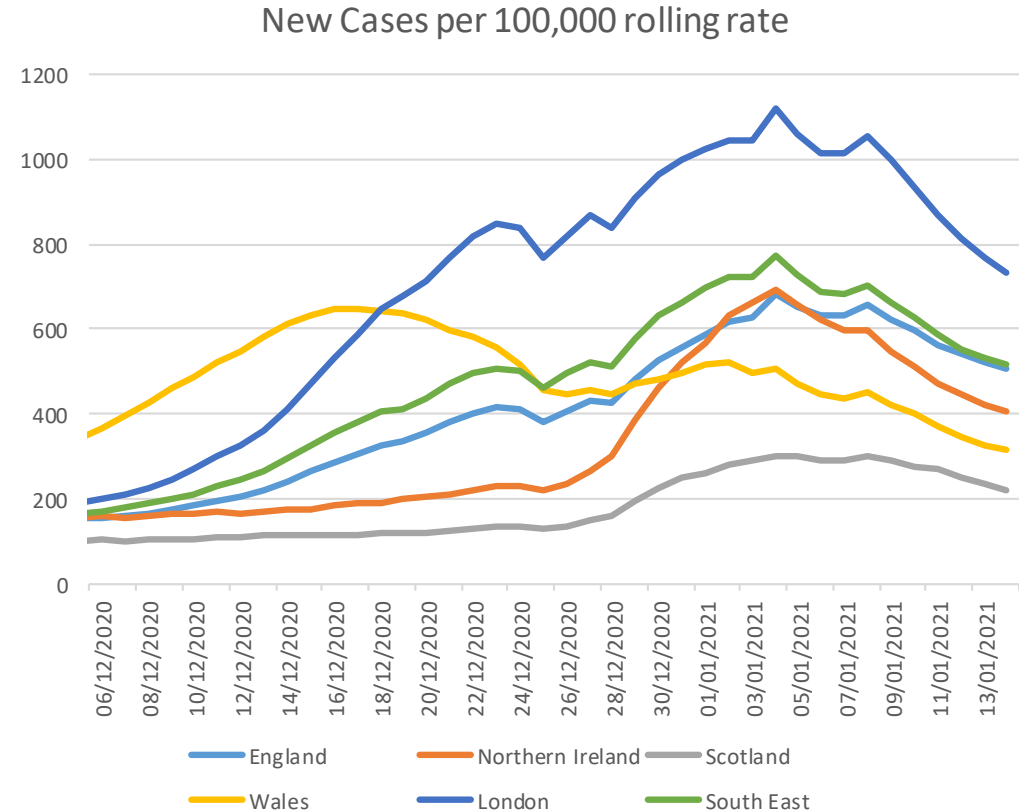


Stark variation in case numbers across UK, with most areas starting to level off or decline in the last week.

Coronavirus in the UK – Cases per 100,000 in week to 19 January



Seven Day average of new daily cases across UK by specimen date – including London and South East England (06-Dec-14-Jan)



Source: BBC news
12 January

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

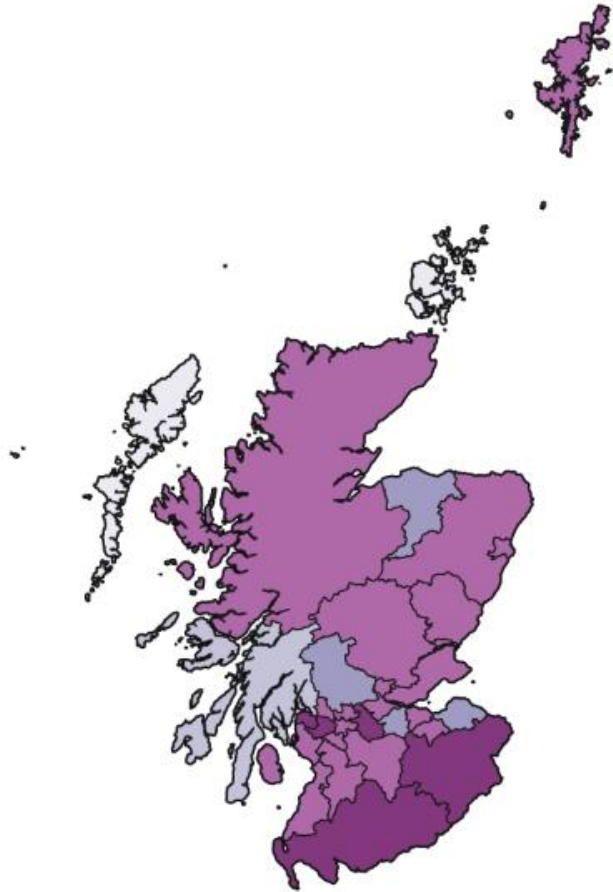
Northern, Western Isles and Argyll and Bute have lowest number of cases per 100,000

7 day positive rate per 100,000 population

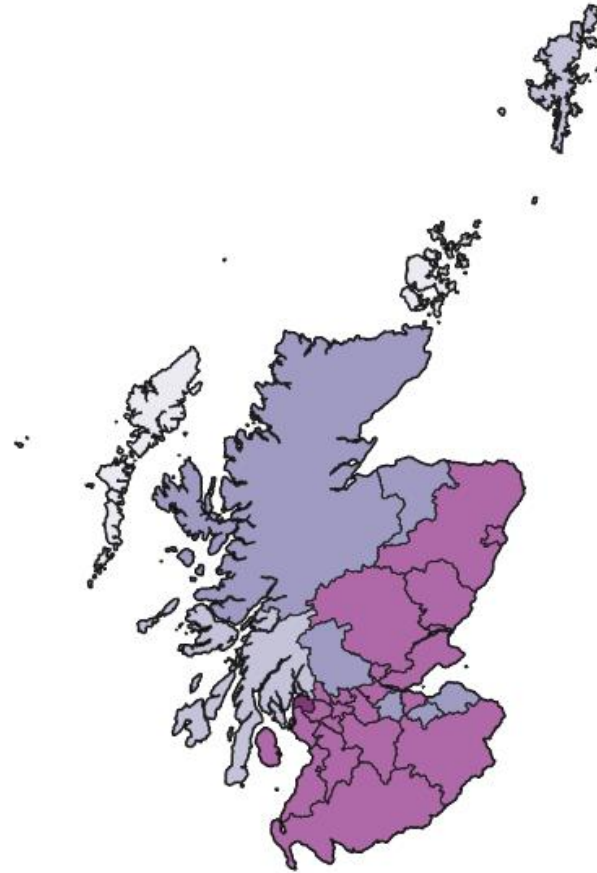


7 day cases per 100,000 by local authority

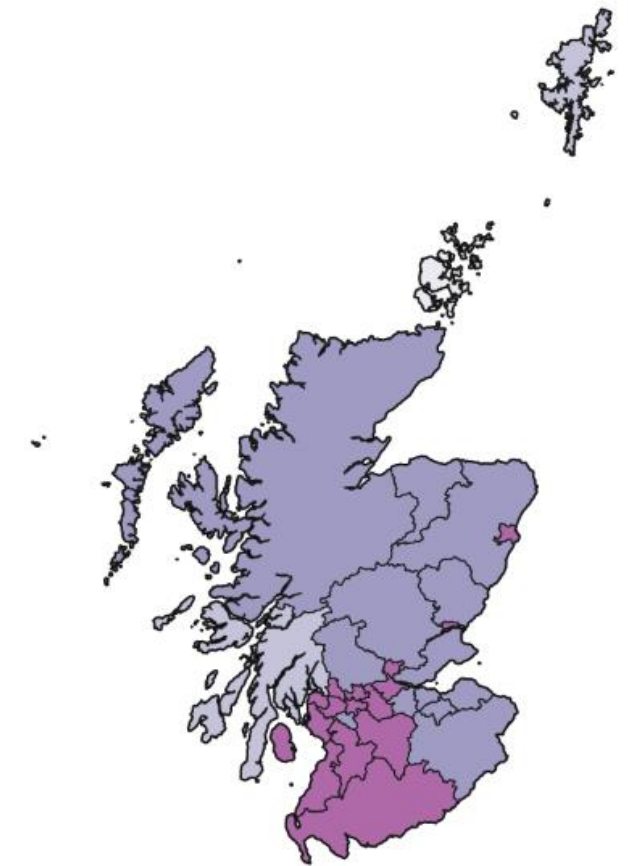
Week ending 3-Jan



Week ending 10-Jan



Week ending 17-Jan

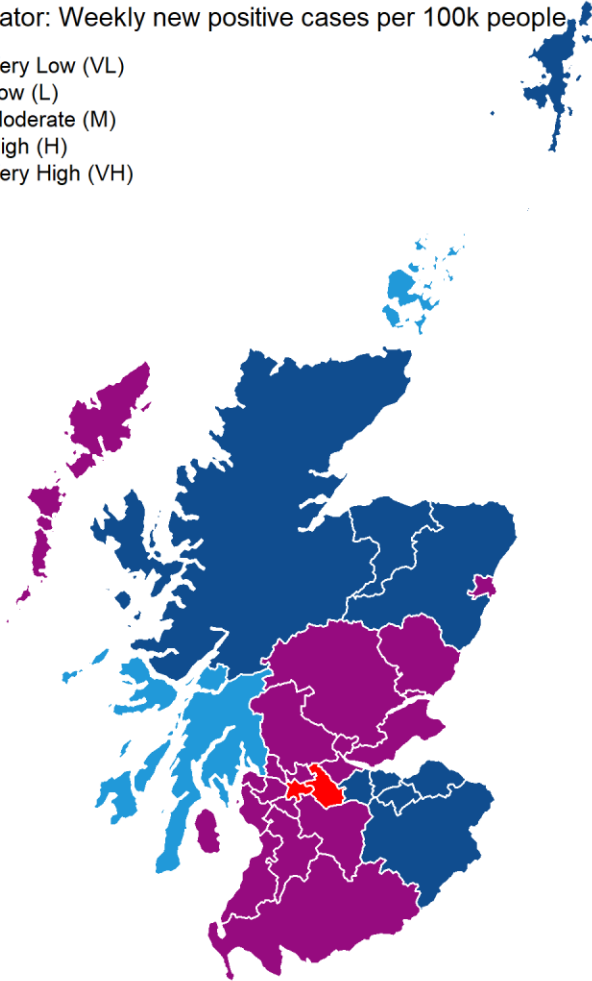


Weekly New Cases, Test Positivity and forecast cases – updated 20th January 2021

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Indicator: Weekly new positive cases per 100k people

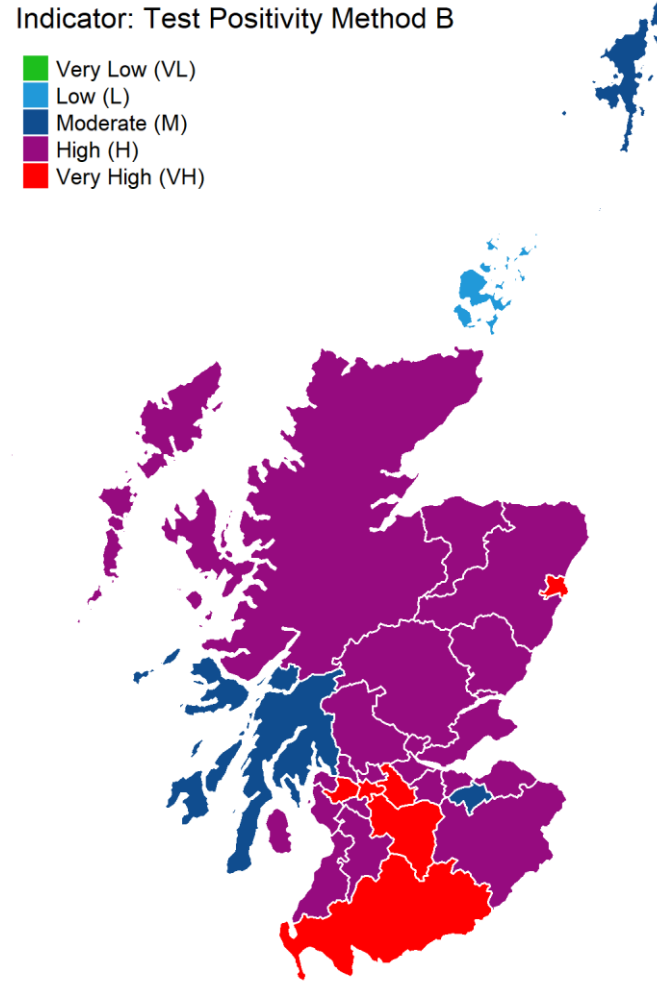
- Very Low (VL)
- Low (L)
- Moderate (M)
- High (H)
- Very High (VH)



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Indicator: Test Positivity Method B

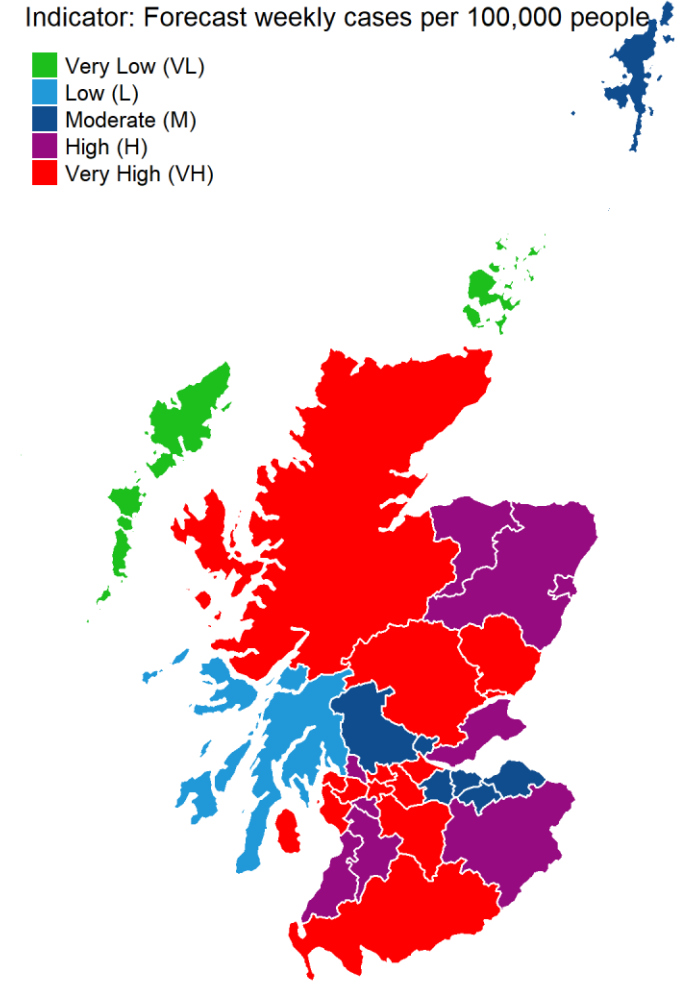
- Very Low (VL)
- Low (L)
- Moderate (M)
- High (H)
- Very High (VH)



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Indicator: Forecast weekly cases per 100,000 people

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

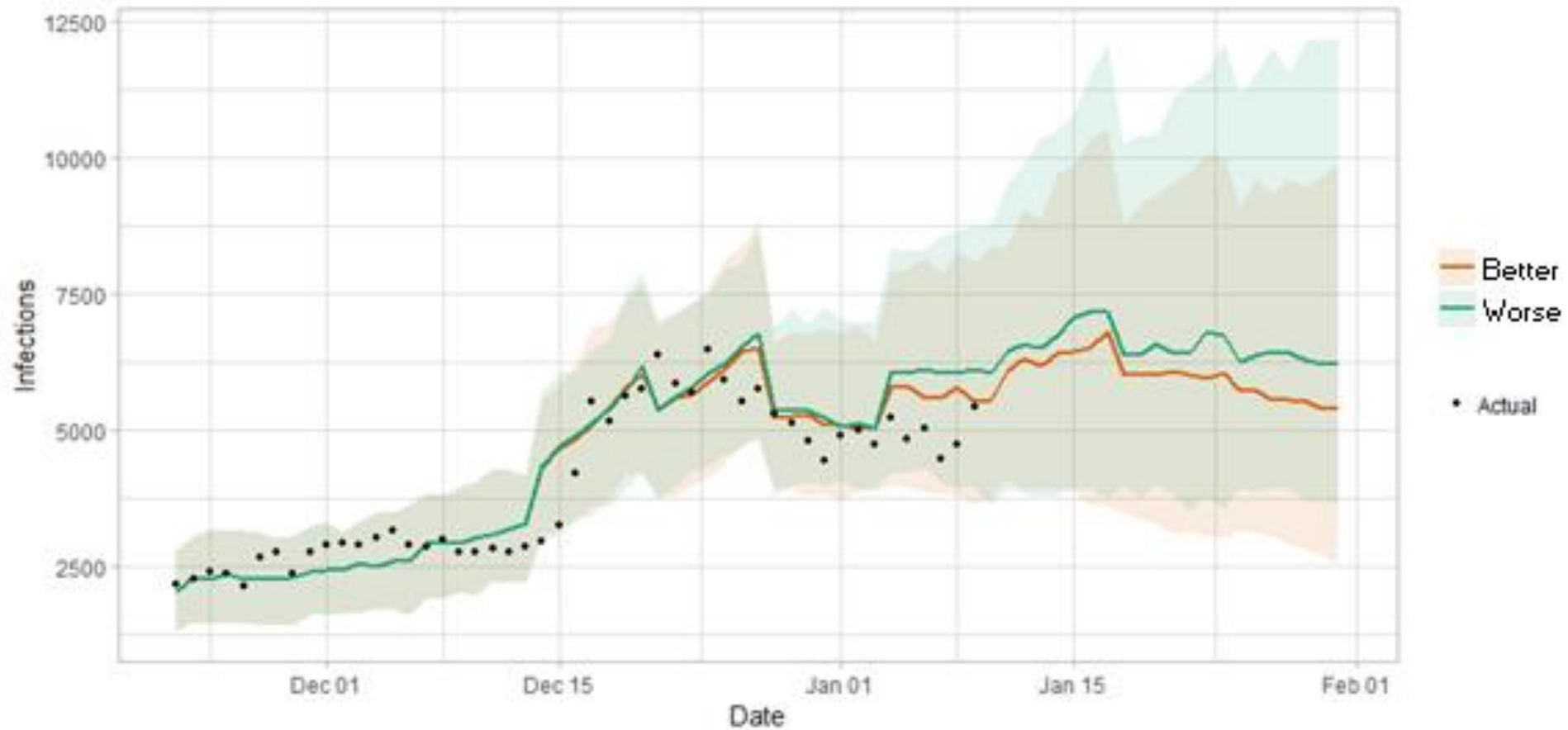


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Over the next fortnight infections are expected to level off

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Chart: Medium term forecast of modelled total new infections



Hospital and ICU bed use expected to increase over the next 2 weeks

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

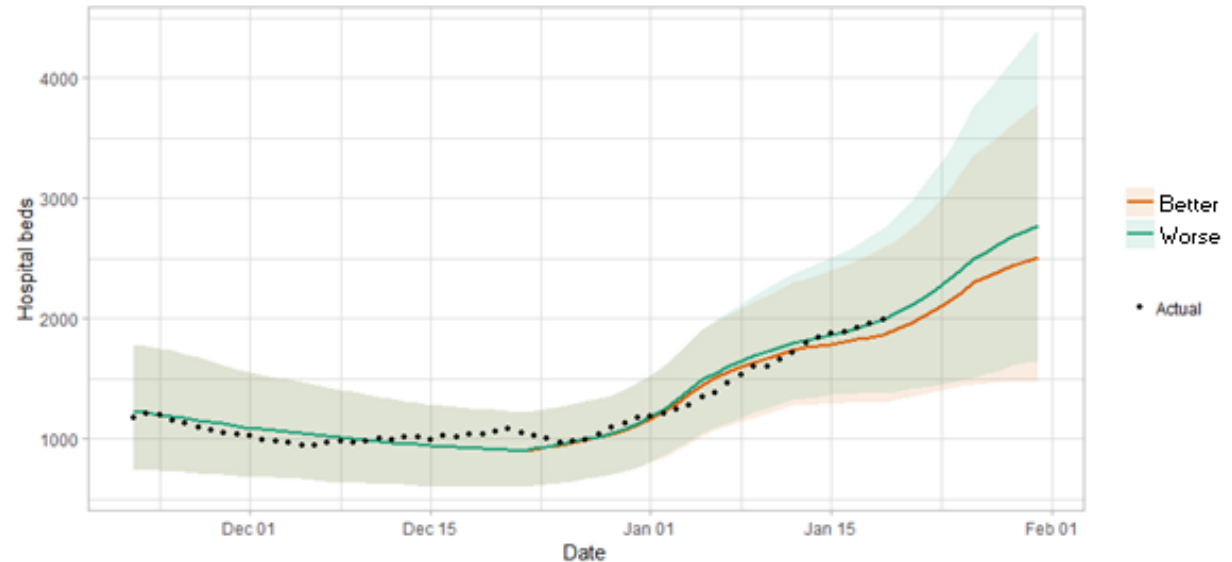
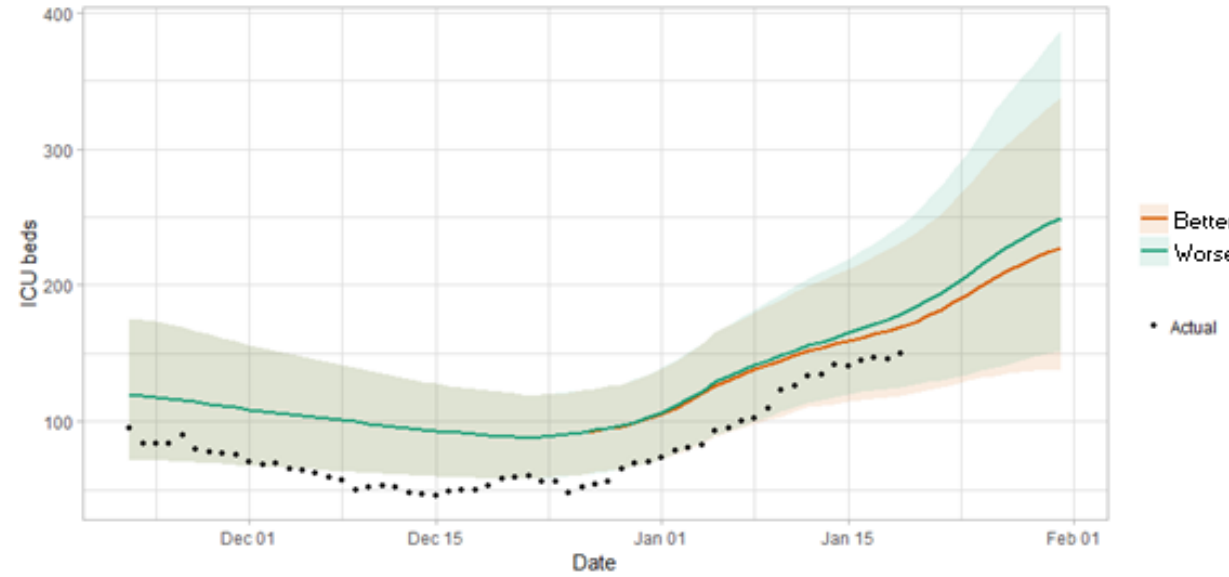


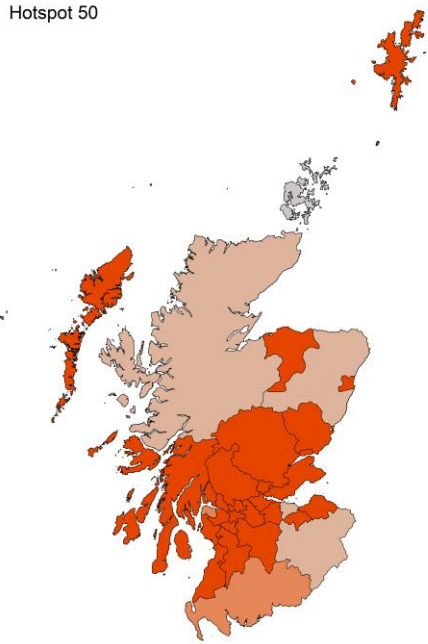
Chart 2: Actual and projected ICU bed use for Covid patients



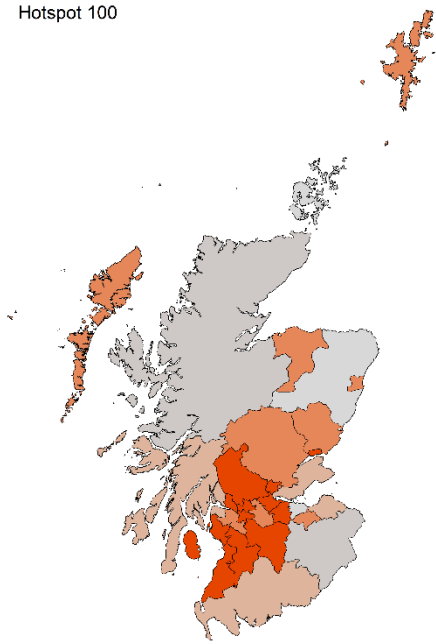
Source: Scottish Government modelling.

Probability of local authority areas having more than 50, 100, 300 or 500 cases per 100K (31-Jan – 6-Feb 2021)

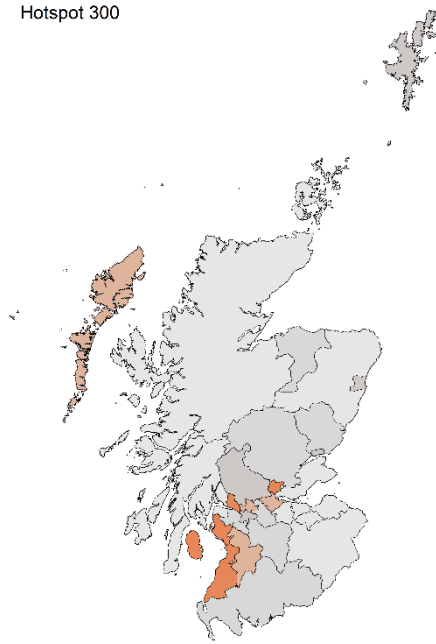
Hotspot 50



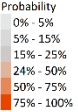
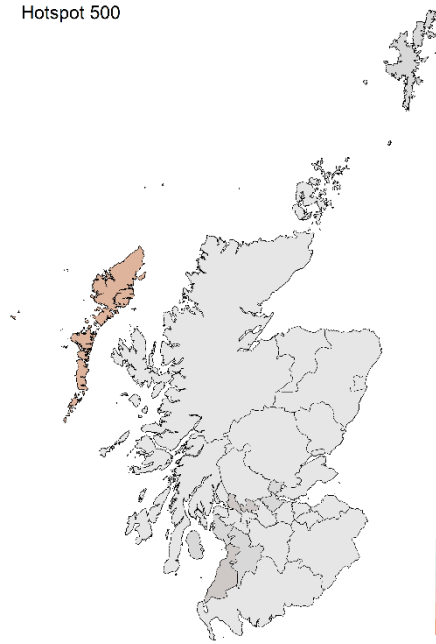
Hotspot 100



Hotspot 300



Hotspot 500



Conclusions

1

Estimates for R, total infections and case numbers have started to reduce. Incident rates by Local Authority area have also mostly declined over the last week.

2

Hospital demand continues to rise, and is projected to continue to do so for the next two weeks, but the rate of growth is slowing.

3

The first vaccines were administered last month, over 300,000 people have now received their first dose, vaccination should reduce infection levels in the most vulnerable in the coming weeks and months.