SPI-M-O
Medium-Term Projections

2nd December 2020

SPI-M-O medium-term projections

- **These projections are not forecasts or predictions**. They represent a scenario in which the trajectory of the epidemic continues to follow the trends that were seen in the data up to the 30th November.

- We do not yet know what impact the new system of Tiers will have in England. **Projections cannot account for any changes beyond the end of lockdown**, but most of that effect will not be seen in hospital admissions or deaths in the 3 week period these cover.

- Given this, and the great uncertainty around the impact of Christmas on transmission, these projections only cover the 3 weeks instead of the usual 6.

- **Projections made around the time that policies are changed are much less likely to be accurate**. The lagged nature of many data streams makes it difficult to detect and interpret changes.

- **SPI-M has not produced consensus projections for Wales and Northern Ireland this week.** The recent strengthening of restrictions in both nations means current trends in hospital admission and deaths are likely to change within the next 3 weeks.

- Note added for release: Not all modelling groups produce projections for both hospitalisations and deaths. As a result, there will be some differences in the models that are included in the combined projections for each metric.
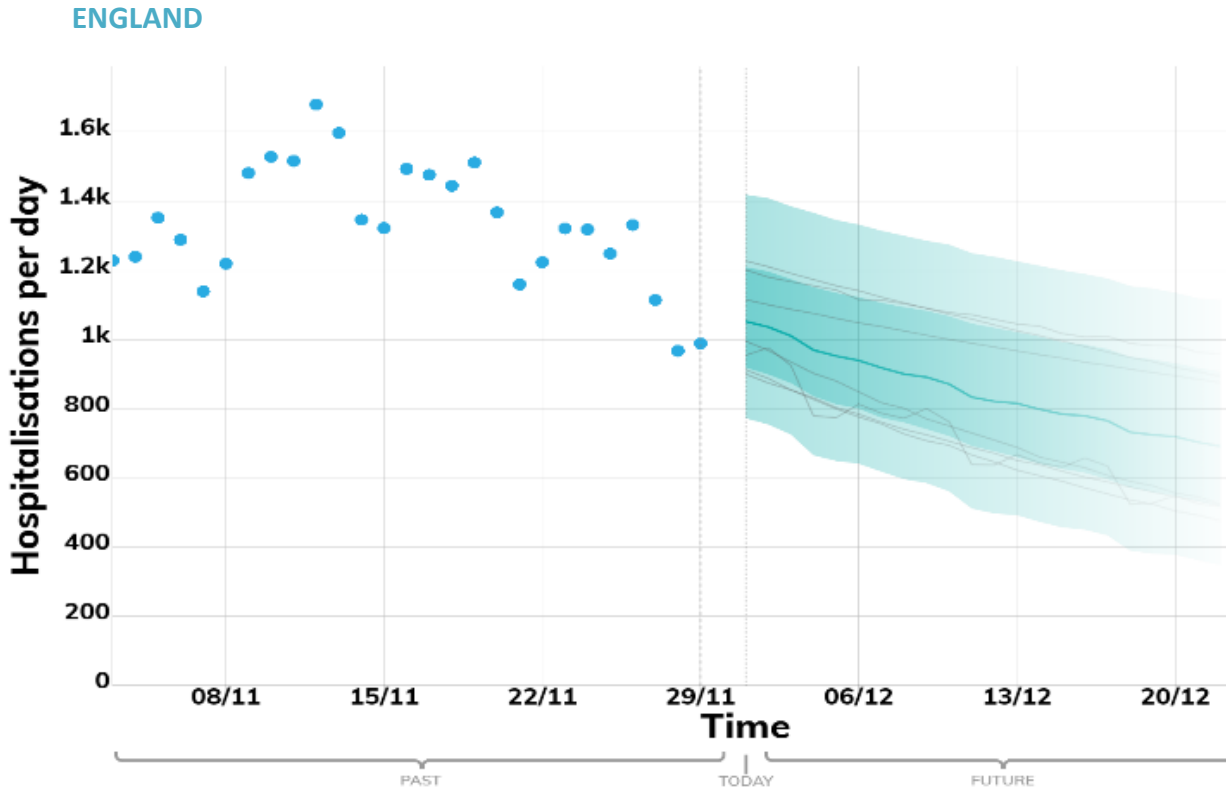
Metrics:
- **New hospitalisations per day:** Number of individuals admitted with COVID-19 and inpatients newly diagnosed with COVID-19. Data definitions differ slightly across all four nations.
- **New deaths per day (by date of death):** The number of COVID-19 deaths within 28 days of a positive test. Data definitions differ slightly across all four nations.

Modelled projections based on trends to 30th November 2020

New hospital admissions per day

These projections are based on current trends and cannot include the impact of the end of lockdown. They are not forecasts or predictions.

ENGLAND

These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the 2-3 weeks prior to 30th November, as they will not yet be reflected in epidemiological data. **Nor can they reflect the impact of the new system of Tiers.**
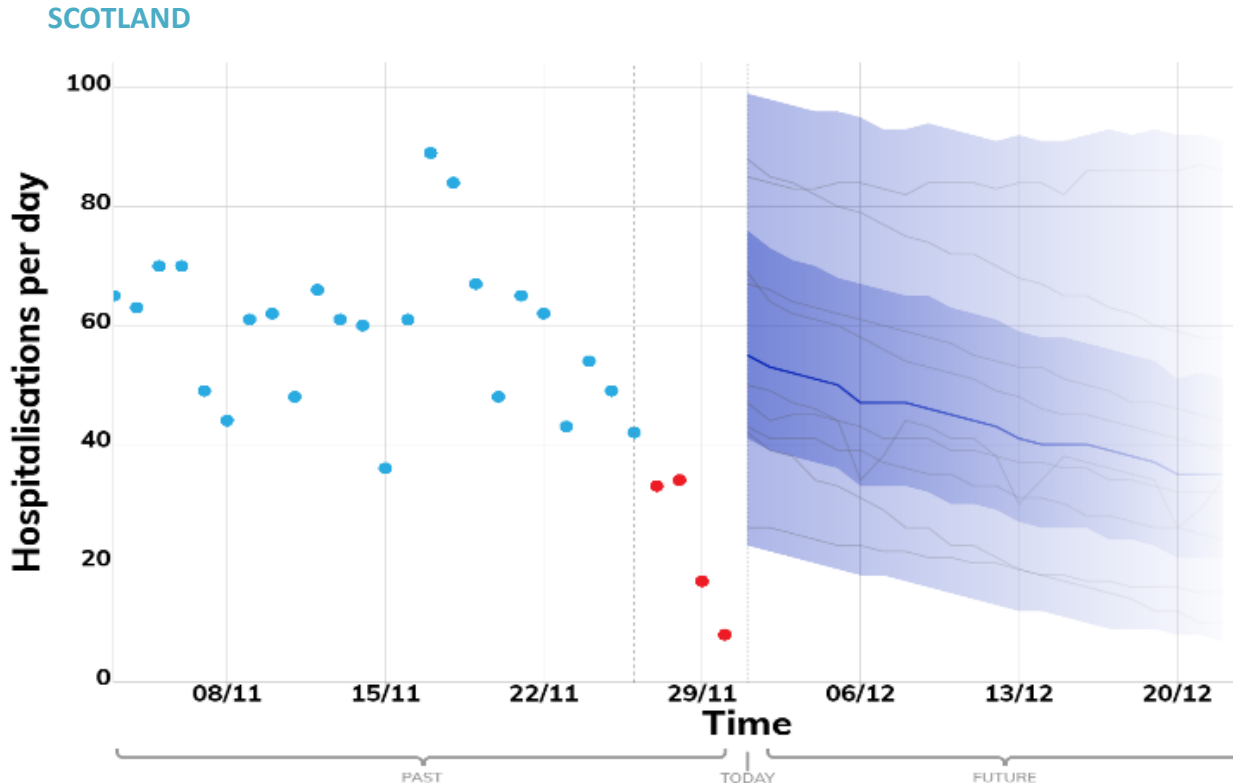
Data notes:
England: Number of patients admitted with confirmed COVID-19 and the number of inpatients diagnosed with COVID-19 in the past 24 hours. The past data is taken from the NHS England COVID-19 Sitreps.

Modelled projections based on trends to 30th November 2020

New hospital admissions per day

These projections are based on current trends and cannot include recent changes in policy or behaviour. They are not forecasts or predictions.

SCOTLAND

Key

- Real data
- Expected to Increase
- Projection midpoint
- High and low estimates 5th to 95th percentile
- High and low estimates 25th to 75th percentile
- Model predictions

These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the 2-3 weeks prior to 30th November, as they will not yet be reflected in epidemiological data. **Nor can they reflect the impact of future policy or behavioural changes.**

Modelled projections based on trends to 30th November 2020
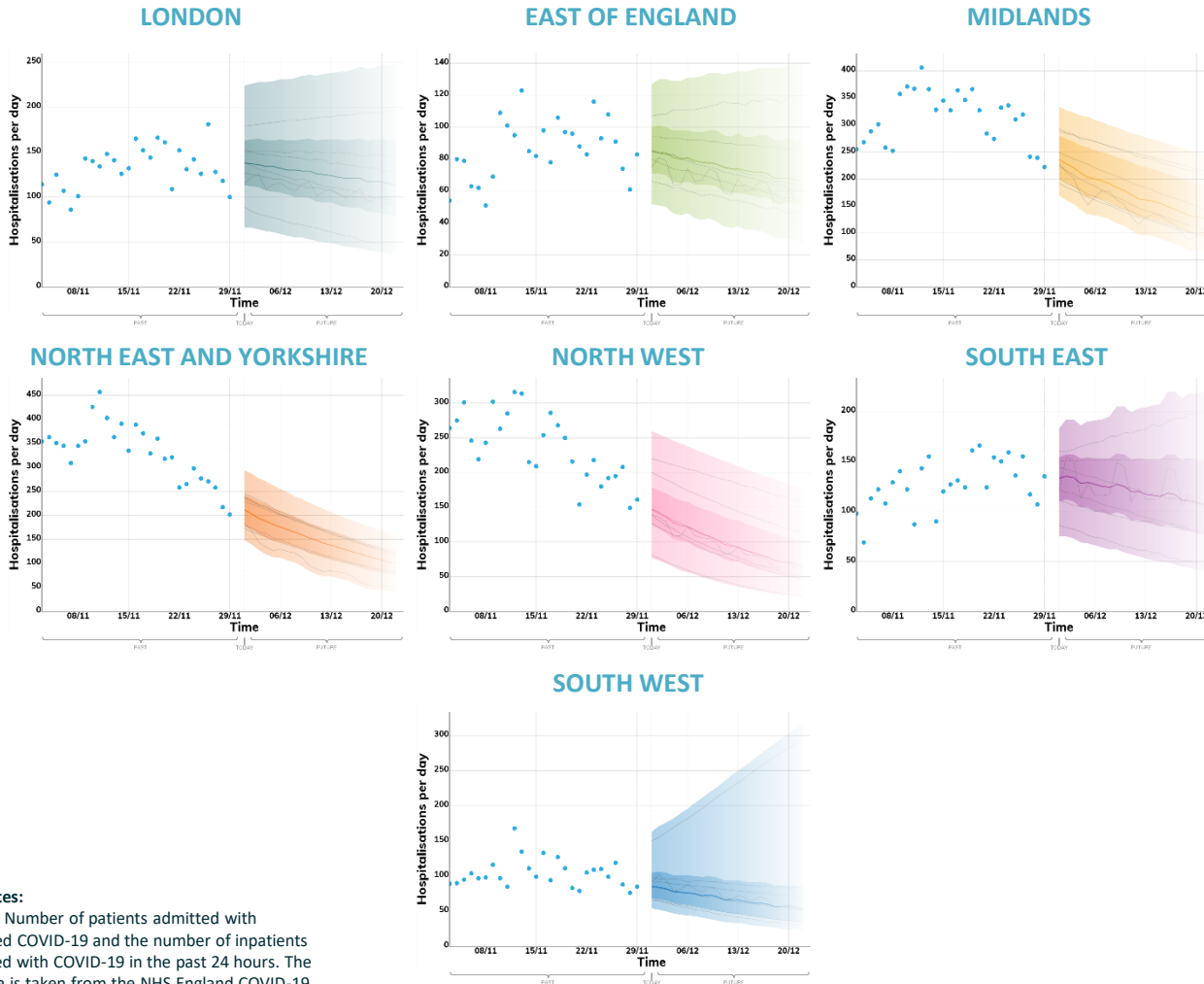
New hospital admissions per day

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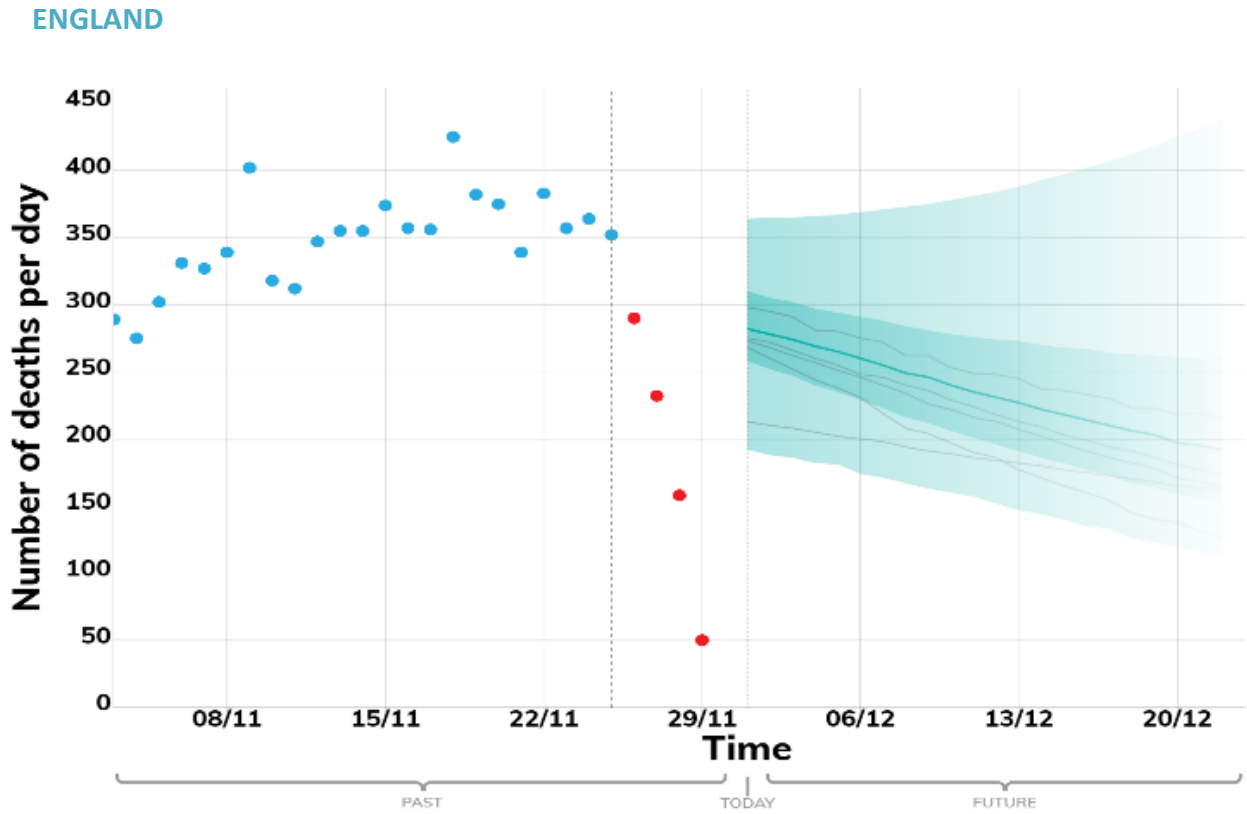
LONDON

EAST OF ENGLAND

MIDLANDS

NORTH EAST AND YORKSHIRE

NORTH WEST

SOUTH EAST

SOUTH WEST

Data notes:
England: Number of patients admitted with confirmed COVID-19 and the number of inpatients diagnosed with COVID-19 in the past 24 hours. The past data is taken from the NHS England COVID-19 Sitreps.

Modelled projections based on trends to 30ᵗʰ November 2020

New deaths per day

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ENGLAND

Key

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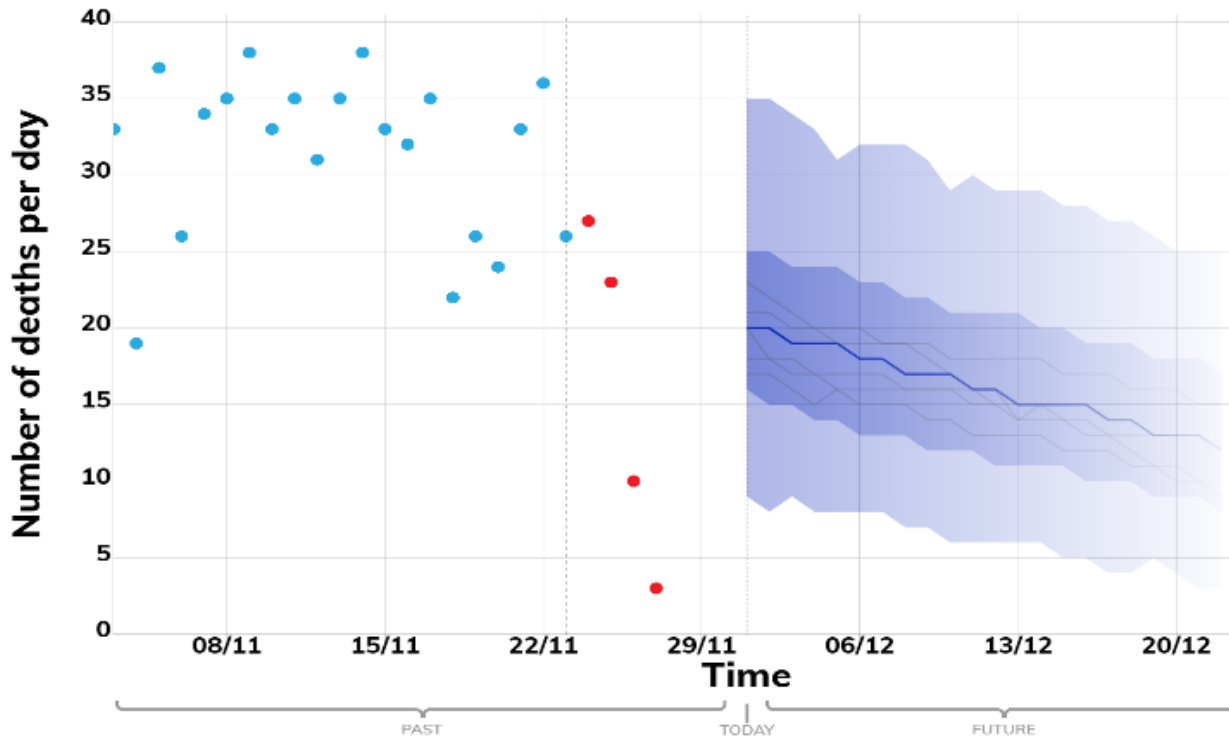
Data Notes:
The number of COVID-19 deaths (by date of death) within 28 days of a positive test.
The past data for England is taken from the PHE line list of deaths.
For clarity, in some cases, y axes do not show complete extent of projections.

Modelled projections based on trends to 30th November 2020

New deaths per day

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SCOTLAND

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Data Notes:
The number of COVID-19 deaths (by date of death) within 28 days of a positive test.
The past data for Scotland is taken from the Coronavirus (COVID-19) in the UK dashboard on Gov.uk.
For clarity, in some cases, y axes do not show complete extent of projections.

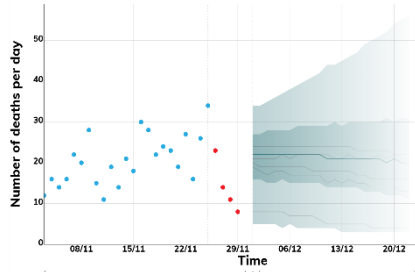# Modelled projections based on trends to 30th November 2020

New deaths per day

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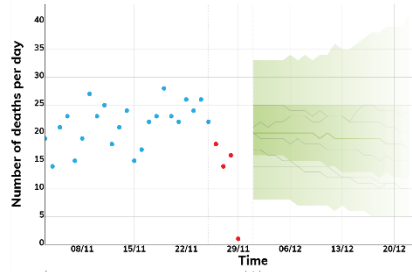

LONDON

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NORTH WEST

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Expected to Increase

Projection midpoint

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Model predictions

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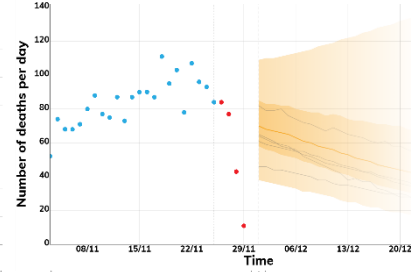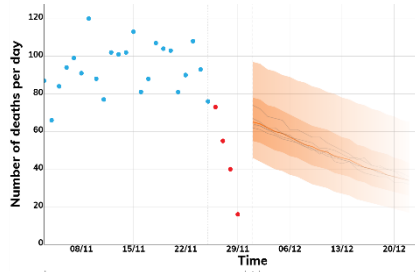
Data Notes:
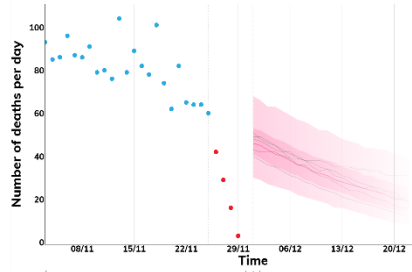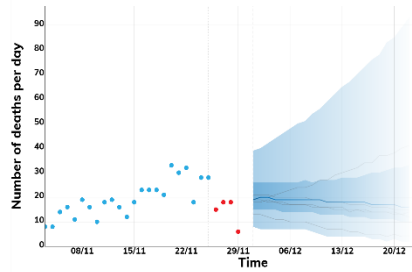The number of COVID-19 deaths (by date of death) within 28 days of a positive test.
The past data for England is taken from the PHE line list of deaths. For clarity, in some cases, y axes do not show complete extent of projections.