

**SPI-M-O**

# **Medium-Term Projections**

**13<sup>th</sup> January 2021**

# 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 11<sup>th</sup> January.
- **These projections will not fully reflect the levels of mixing over the festive period nor the impact of policy changes made in the two to three weeks prior to 11<sup>th</sup> January.**
- **They cannot account for the impact of recent national lockdown.** The projections here only consider the next two weeks, with the majority of hospitalisations and deaths over this period likely to be due to infections that have already happened. The trajectory beyond this will depend on the impact of the lockdown. While this will reduce R, **it is not known whether R will decrease below 1.**
- Not all modelling groups produce projections for both hospitalisations and deaths. As a result, there will be some differences in the models included in the combined projections for each metric.

## Metrics:

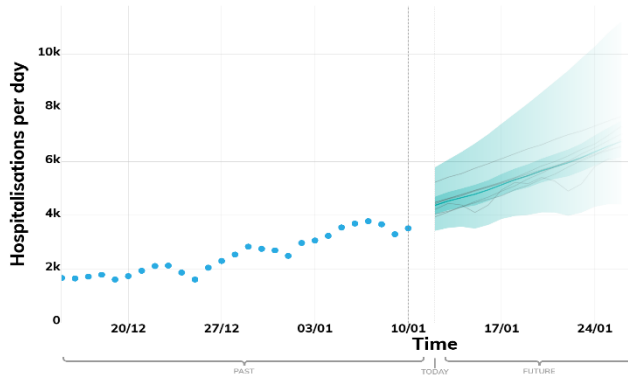
- **New hospitalisations per day:** Number of individuals admitted with COVID-19 and inpatients newly diagnosed with COVID-19. Data definitions differ slightly across all four nations.
- **New deaths per day (by date of death):** The number of COVID-19 deaths within 28 days of a positive test. Data definitions differ slightly across all four nations.

# Modelled projections based on trends to 11<sup>th</sup> January 2021

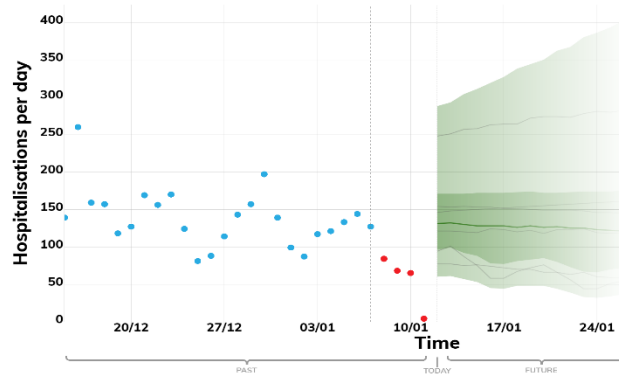
## New hospital admissions per day

These projections are based on current trends and cannot yet include the full impact of the national lockdown announced on 5<sup>th</sup> January. They are not forecasts or predictions.

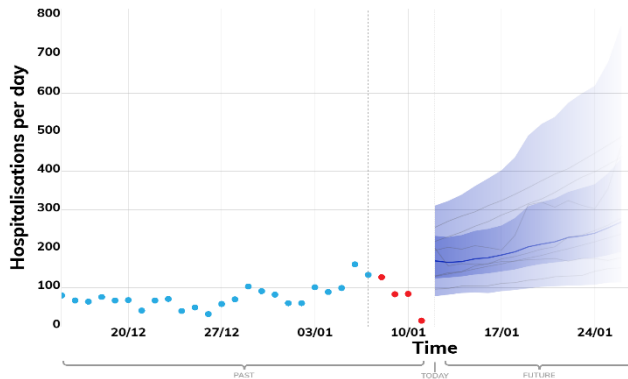
### ENGLAND



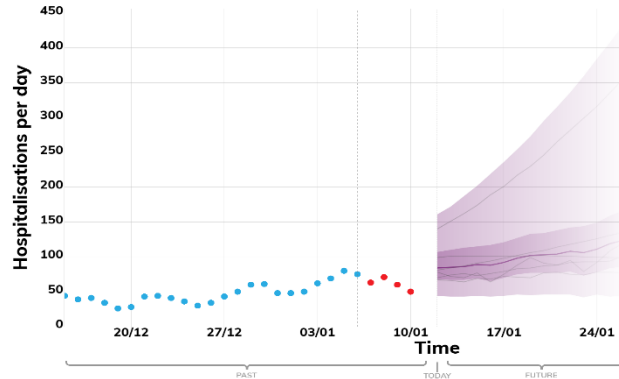
### WALES



### SCOTLAND



### NORTHERN IRELAND



#### Key



These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the two to three weeks prior to 11<sup>th</sup> January, as these will not yet have been reflected in epidemiological data.

These projections will **not fully reflect the impact of the national lockdown recently announced**. While this will reduce R, it is **not known whether R will decrease below 1**.

The projections are only for the next two weeks, with the majority of hospitalisations and deaths over this period being due infections prior to these announcements.

#### 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. Taken from the NHSE COVID 19 Sitreps.

Wales: Number of patients admitted with confirmed COVID-19 and the number of patients diagnosed with COVID-19 on the day of admission. Provided by Public Health Wales.

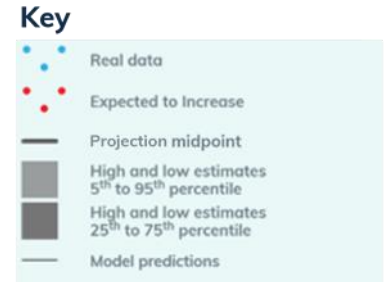
Scotland: Number of patients admitted with confirmed COVID-19 and inpatients diagnosed with COVID-19 within 7 days of admission. Provided by Public Health Scotland.

Northern Ireland: Number of patients admitted with confirmed COVID-19 and the number of inpatients diagnosed with COVID-19. Provided by HSCNI.

# Modelled projections based on trends to 11<sup>th</sup> January 2021

## New hospital admissions per day

These projections are based on current trends and cannot yet include the full impact of the national lockdown announced on 5<sup>th</sup> January. They are not forecasts or predictions.



These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the two to three weeks prior to 11<sup>th</sup> January, as these will not yet have been reflected in epidemiological data.

These projections will **not fully reflect the impact of the national lockdown recently announced**. While this will reduce R, it is **not known whether R will decrease below 1**.

The projections are only for the next two weeks, with the majority of hospitalisations and deaths over this period being due infections prior to these announcements.

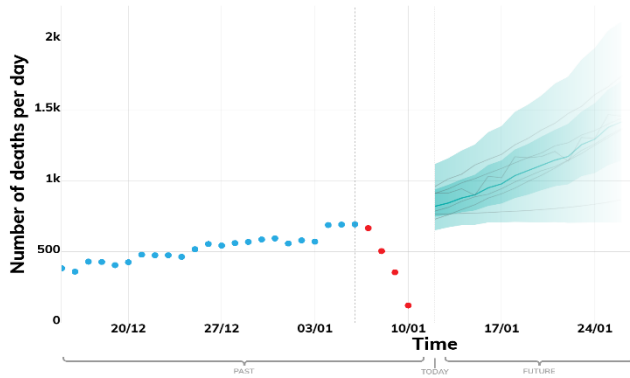
**Data notes:**  
England: Number of patients admitted with confirmed COVID-19 and the number of inpatients diagnosed with COVID-19 in the past 24 hours. The past data is taken from the NHS England COVID-19 Sitreps.

# Modelled projections based on trends to 11<sup>th</sup> January 2021

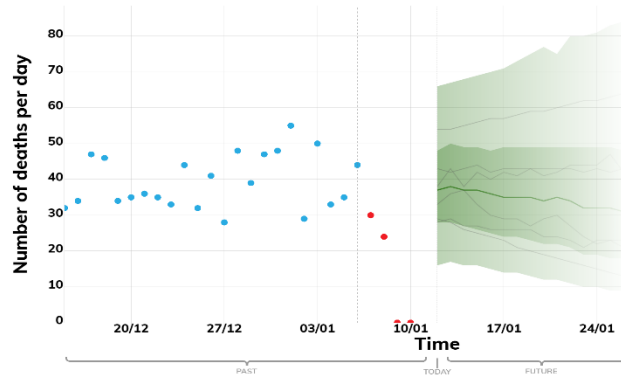
## New deaths per day

These projections are based on current trends and cannot yet include the full impact of the national lockdown announced on 5<sup>th</sup> January. They are not forecasts or predictions.

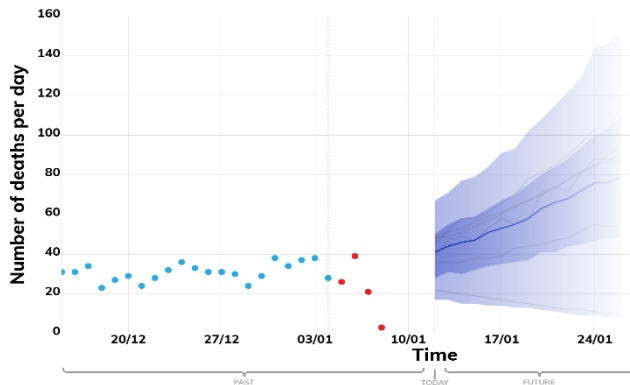
### ENGLAND



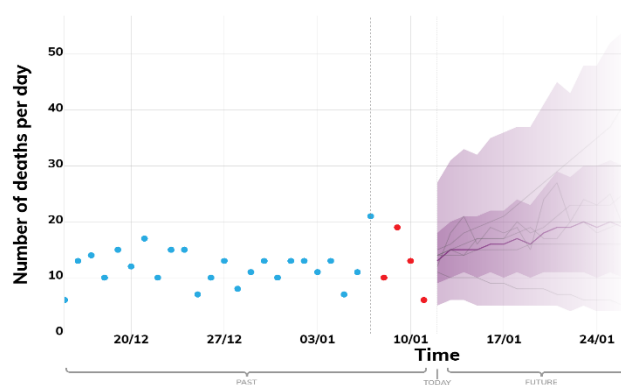
### WALES



### SCOTLAND



### NORTHERN IRELAND



### Key



These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the two to three weeks prior to 11<sup>th</sup> January, as these will not yet have been reflected in epidemiological data.

These projections will **not fully reflect the impact of the national lockdown recently announced.** While this will reduce R, it is **not known whether R will decrease below 1.**

The projections are only for the next two weeks, with the majority of hospitalisations and deaths over this period being due infections prior to these announcements.

### Data Notes:

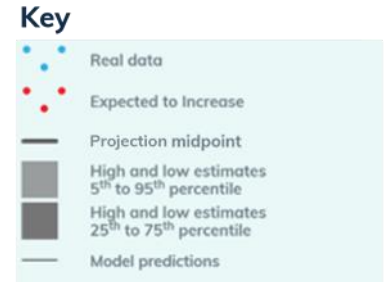
The number of COVID-19 deaths (by date of death) within 28 days of a positive test.

The past data for England is taken from the PHE line list of deaths. The past data for Scotland, Wales and Northern Ireland is taken from the Coronavirus (COVID-19) in the UK dashboard on Gov.uk.

# Modelled projections based on trends to 11<sup>th</sup> January 2021

## New deaths per day

These projections are based on current trends and cannot yet include the full impact of the national lockdown announced on 5<sup>th</sup> January. They are not forecasts or predictions.



These fan charts show the combined medium-term projections based on current trends. They cannot account for policy or behavioural changes in the two to three weeks prior to 11<sup>th</sup> January, as these will not yet have been reflected in epidemiological data.

These projections will **not fully reflect the impact of the national lockdown recently announced**. While this will reduce R, it is **not known whether R will decrease below 1**.

The projections are only for the next two weeks, with the majority of hospitalisations and deaths over this period being due infections prior to these announcements.

### 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.