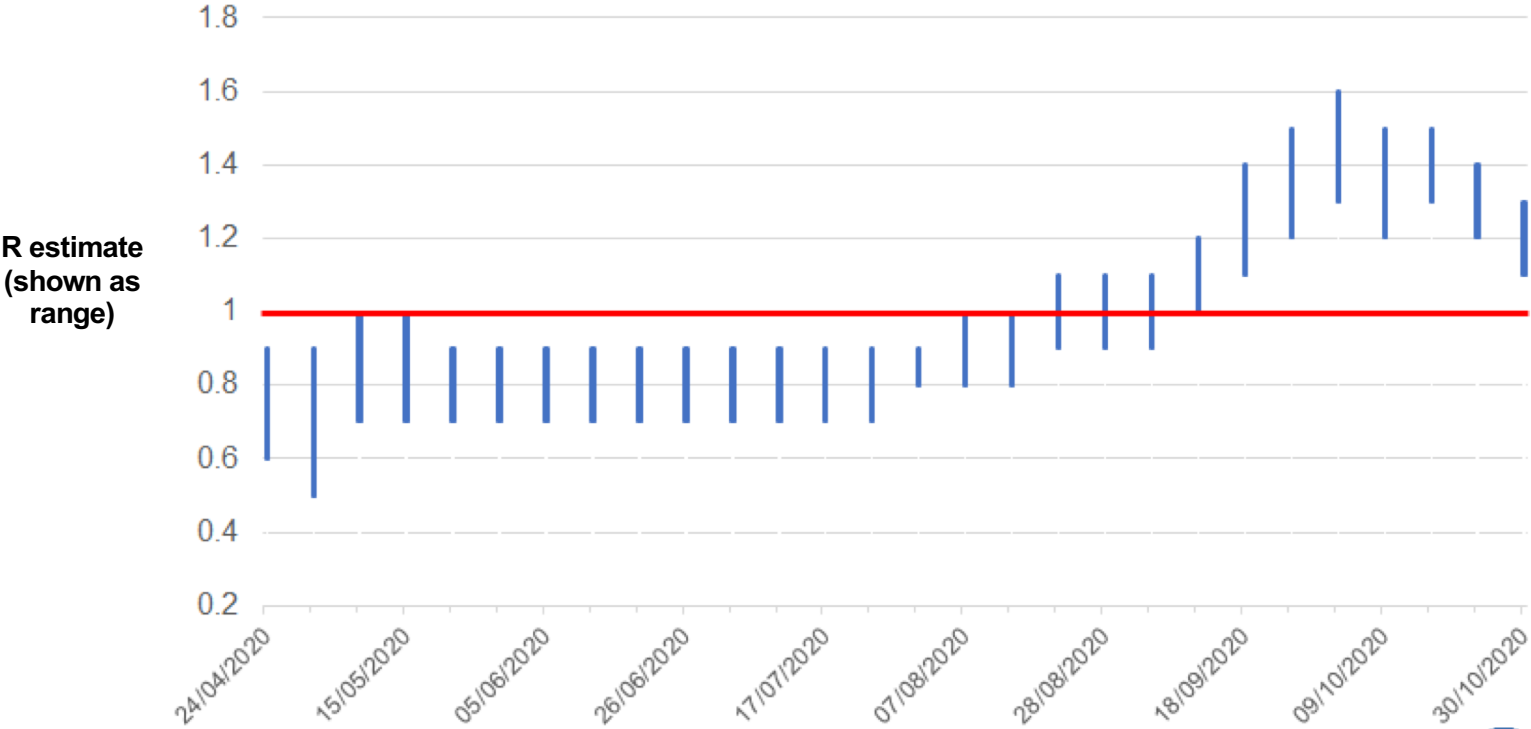


# Estimates of COVID-19 incidence in England

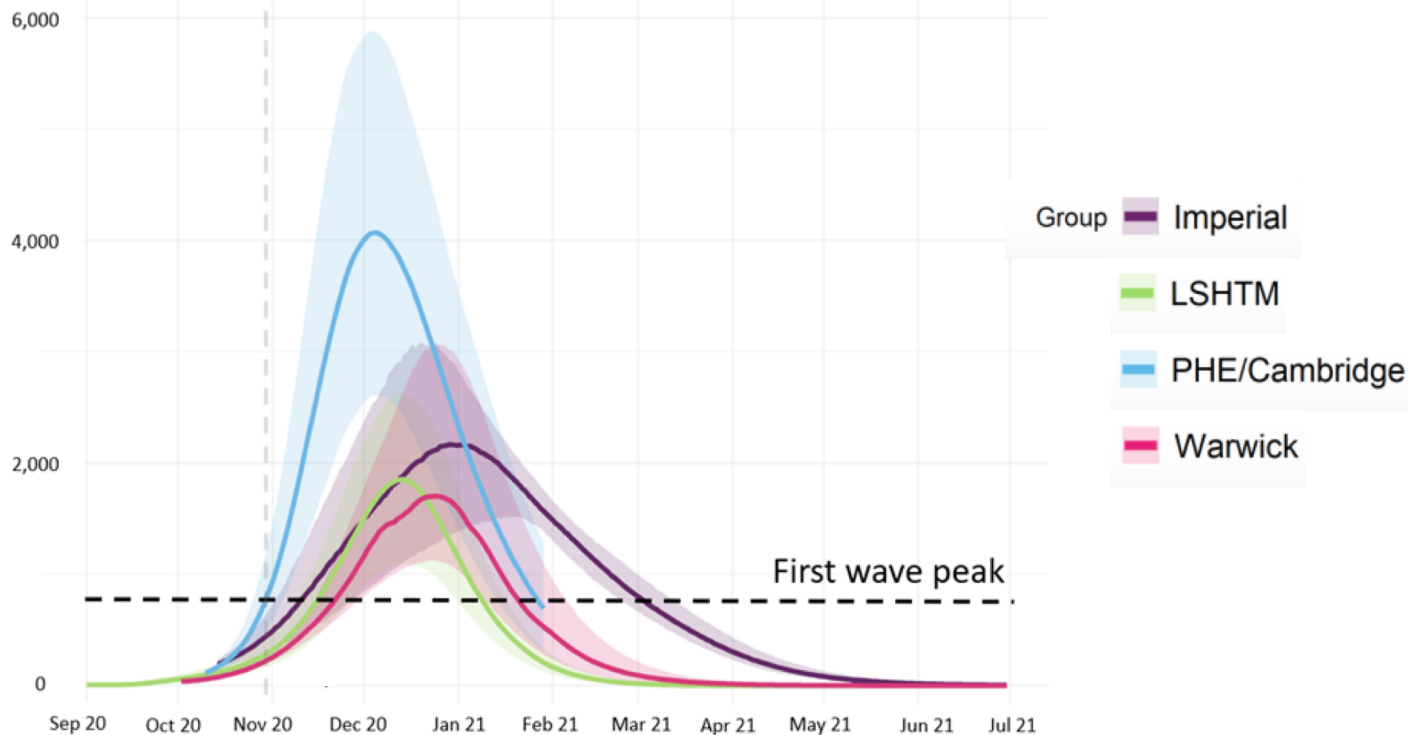
Study	Data cut-off date	Estimate of daily incidence
REACT-1 Study, round 6 interim results	25 <sup>th</sup> October 2020	86,300 – 105,800
ONS COVID-19 Infection Study	23 <sup>rd</sup> October 2020	38,500 – 79,200
SPI-M, consensus statement	27 <sup>th</sup> October 2020	50,000 – 63,000

# R estimates over time for the UK



# WINTER SCENARIOS FROM EARLY WORKING ANALYSIS

## England daily deaths if no changes in policy or behaviour



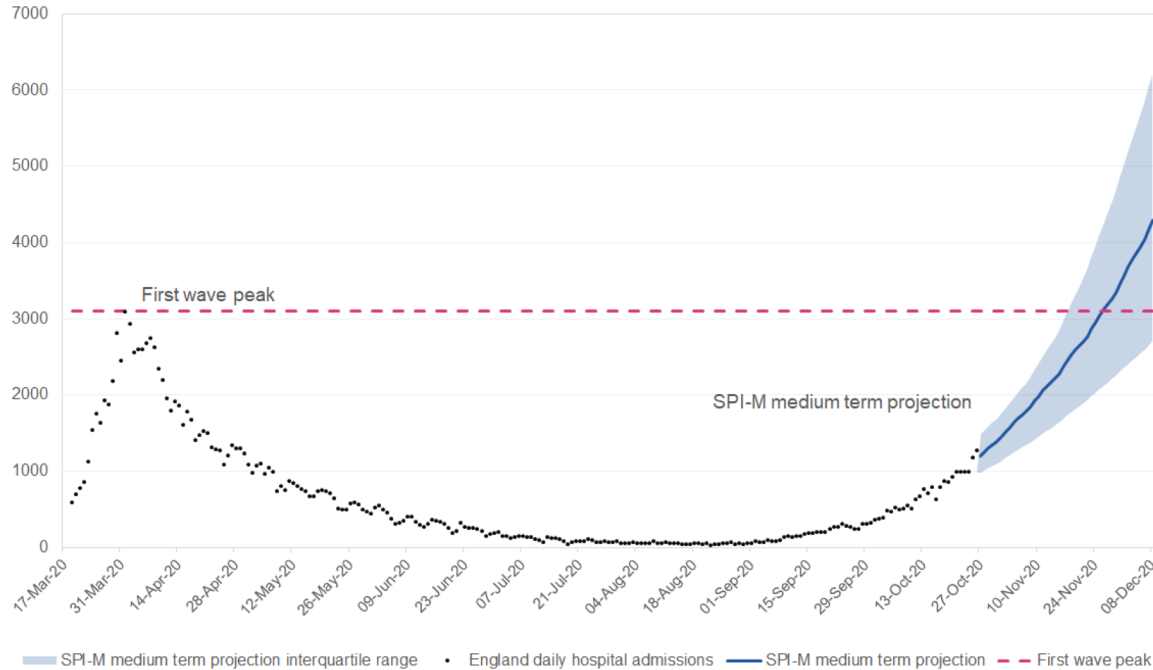
Early SPI-M working analysis

These curves represent scenarios from a number of academic modelling groups.

**THESE ARE SCENARIOS - NOT PREDICTIONS OR FORECASTS**

Source: SPI-M Preliminary Long Term Scenarios week commencing 9 October

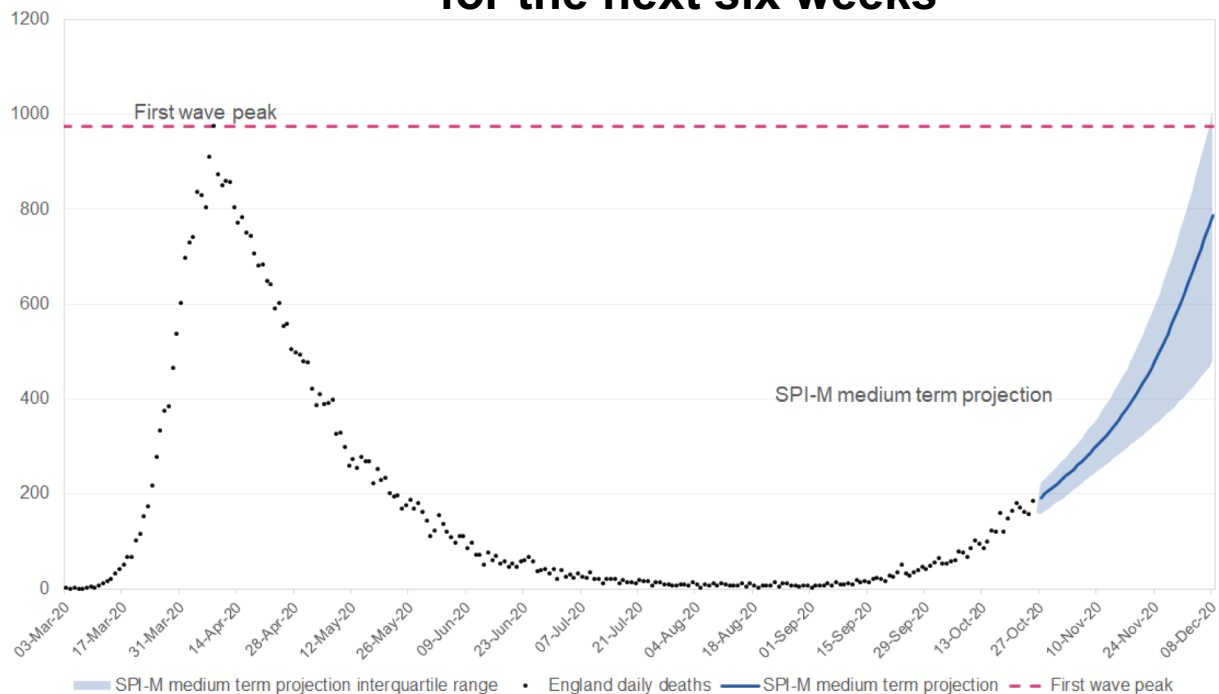
# England - daily hospital admissions to date with SPI-M medium term projection for the next six weeks



Plots on slides 4 and 5 have been amended after an error was found in the interquartile ranges for SPI-M medium term projections. This does not affect the insights that can be taken from these analysis.

Source: SPI-M Medium Term Projections 28 October

# England - daily deaths to date with SPI-M medium term projection for the next six weeks

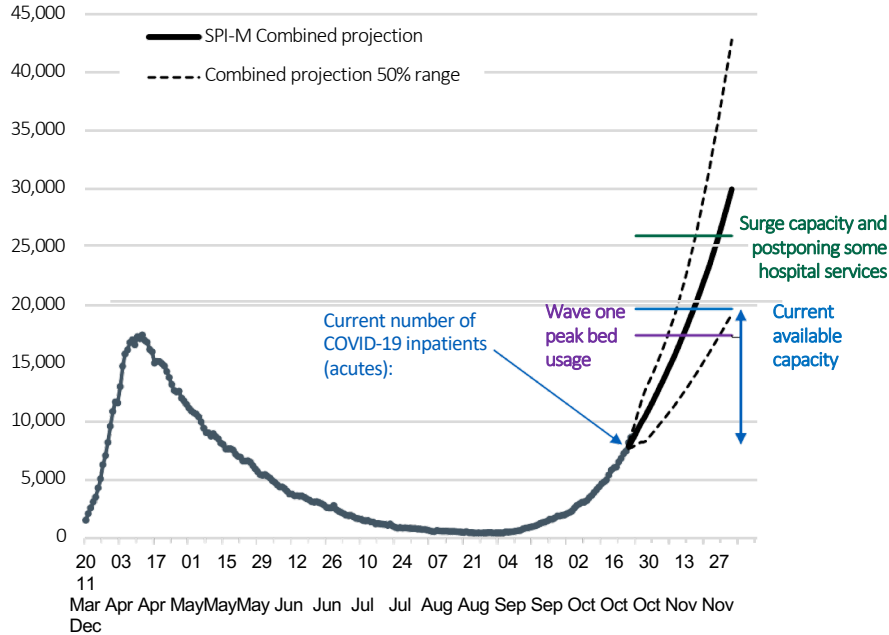


Plots on slides 4 and 5 have been amended after an error was found in the interquartile ranges for SPI-M medium term projections. This does not affect the insights that can be taken from these analysis.

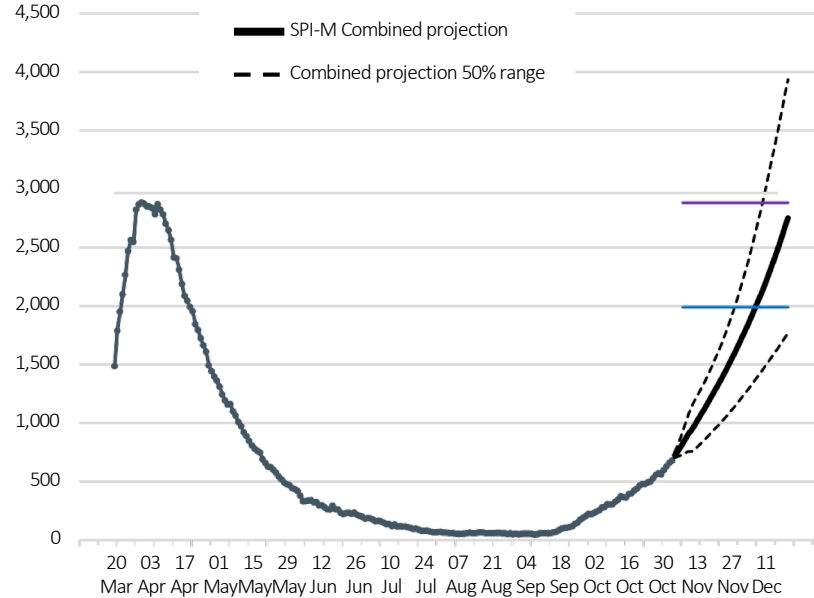
# England new SPI-M combined projection bed usage

Exceeds peak on circa 20/11/2020  
 Exceeds currently available beds on circa 23/11/2020  
 Exceeds surge capacity and capacity freed up from postponing some hospital services on circa 04/12/2020

## England - all acute beds



## England - V beds



Source: SPI-M modelling provided 29/10/20. 'V' bed demand numbers are not separately modelled and are based on current ratios to all beds, which may result in discontinuity between historical data and forecasts. Currently available beds assumes max 95% G&A bed occupancy and 90% 'V' occupancy.

