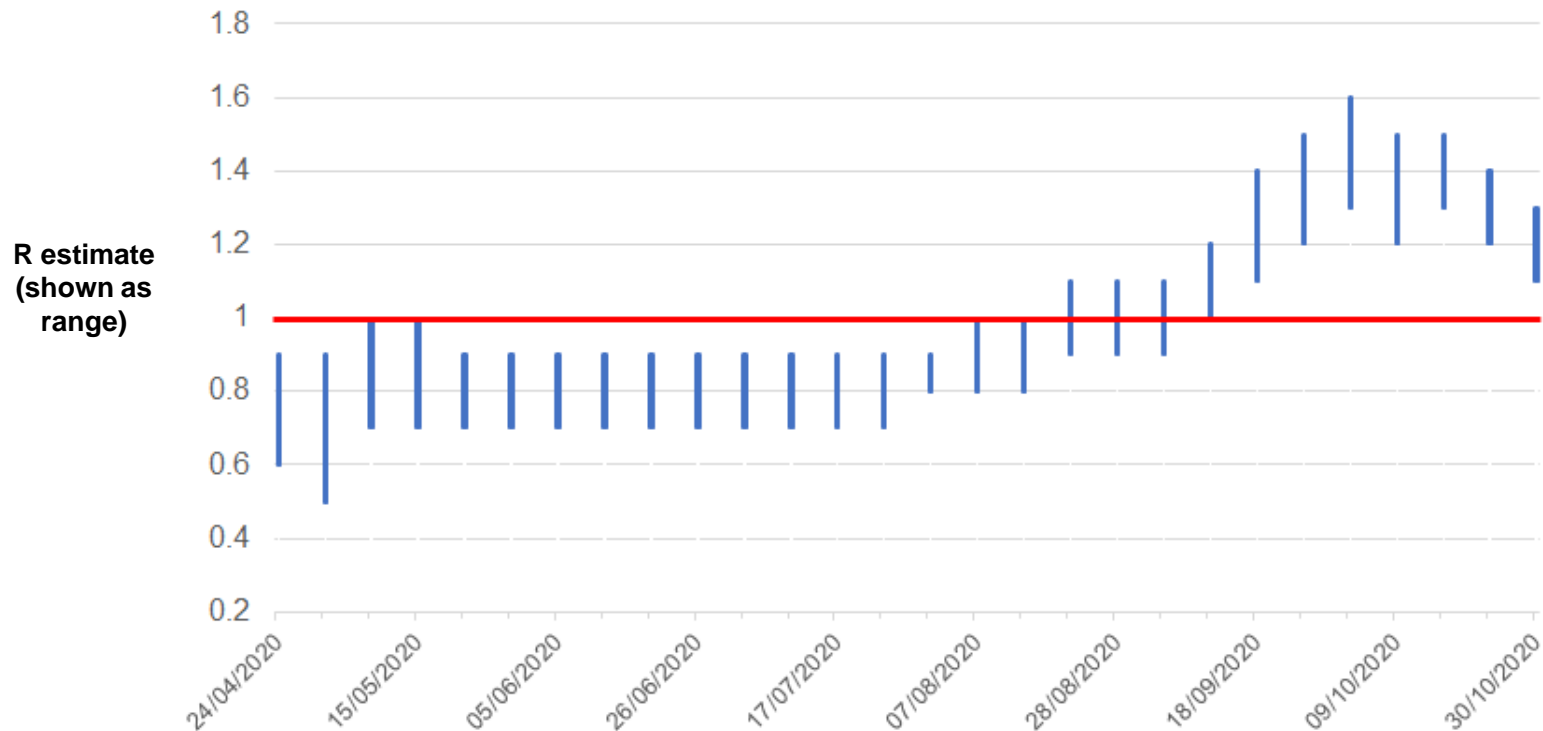


Estimates of COVID-19 incidence in England

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

R estimates over time for the UK



HANDS



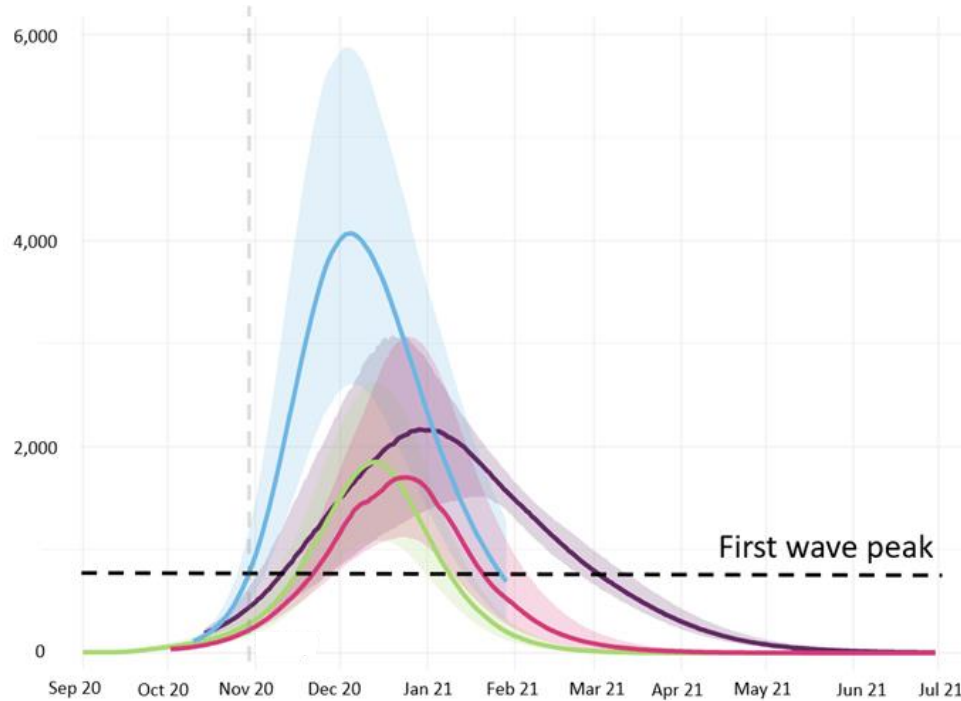
FACE



SPACE

WINTER SCENARIOS FROM EARLY WORKING ANALYSIS

England daily deaths if no changes in policy or behaviour



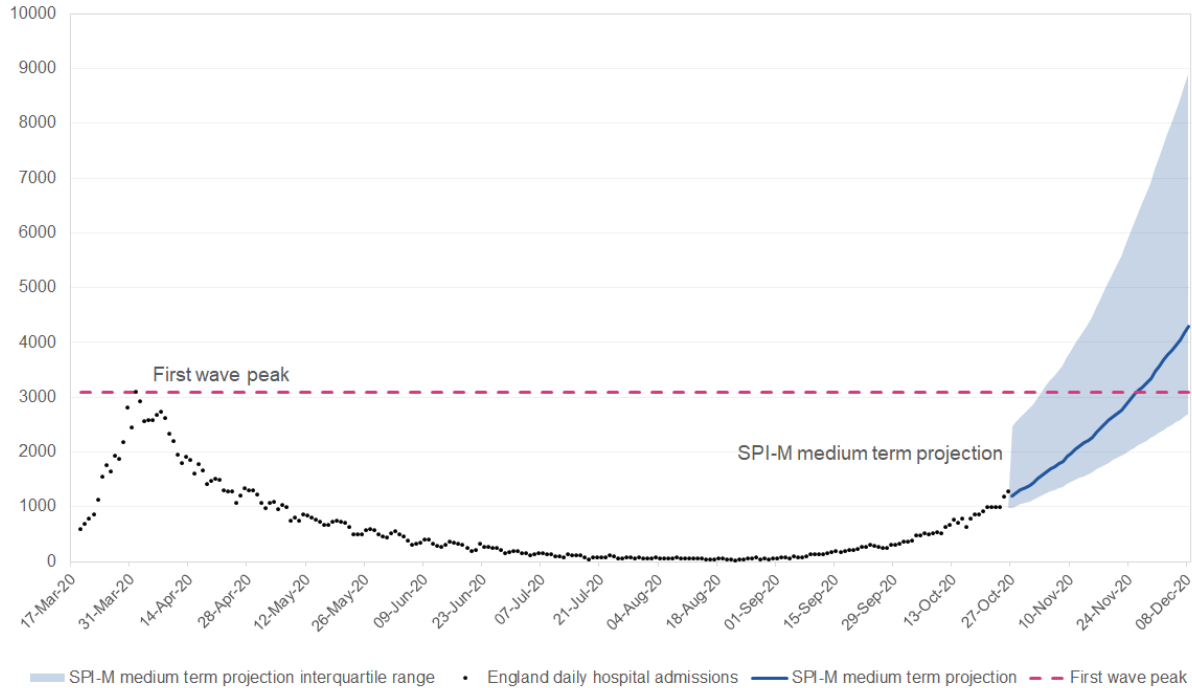
Early SPI-M working analysis

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

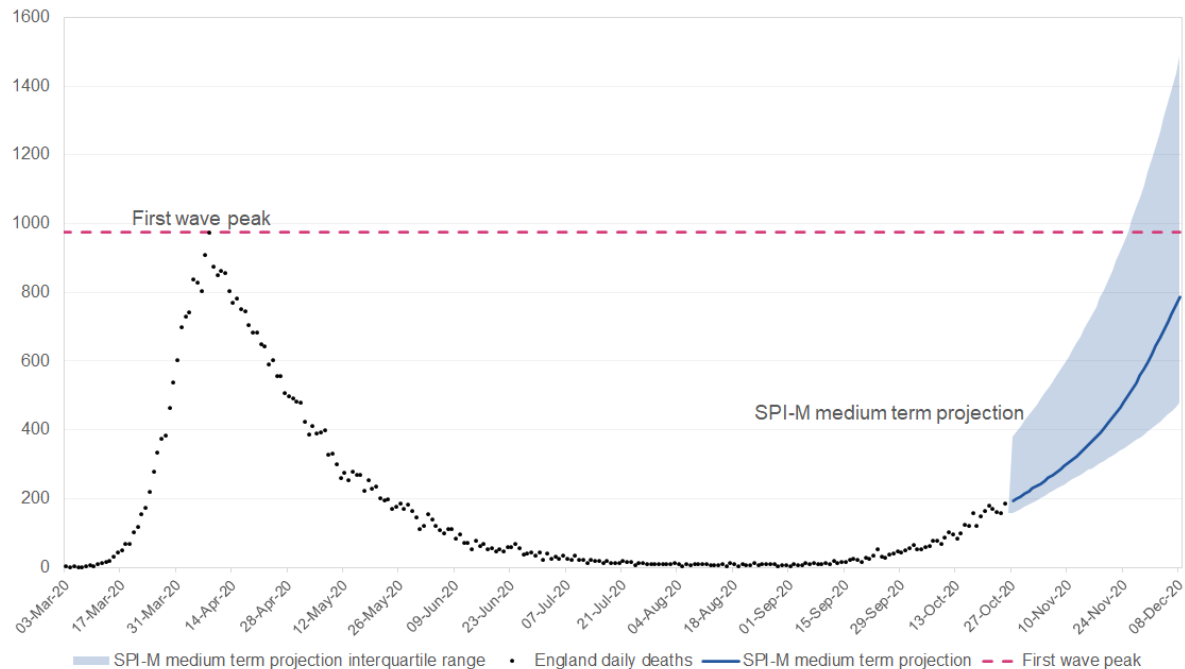
THESE ARE SCENARIOS - NOT PREDICTIONS OR FORECASTS

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



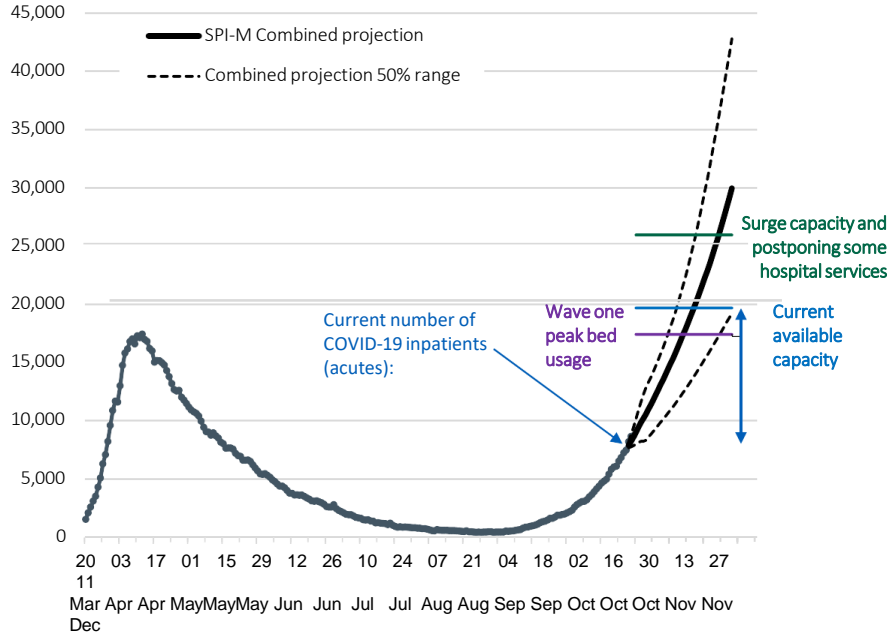
England - daily deaths to date with SPI-M medium term projection for the next six weeks



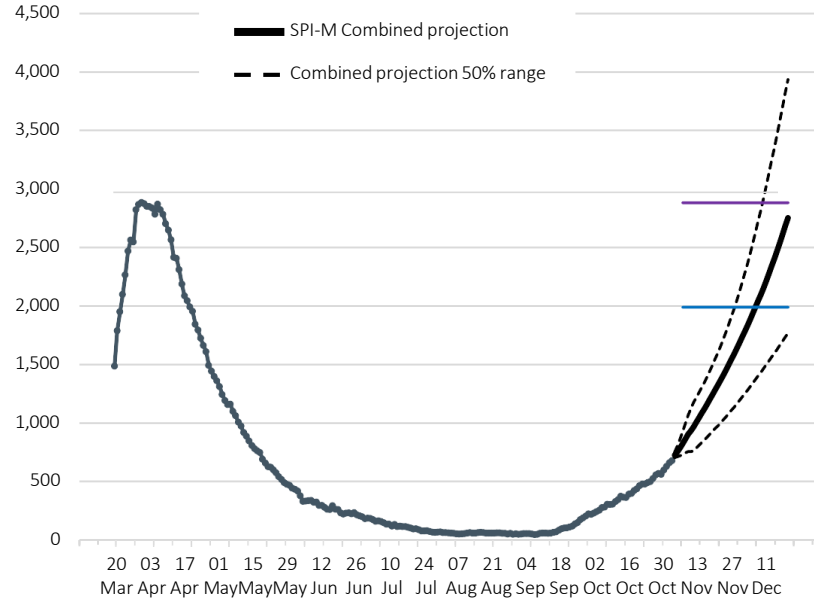
England new SPI-M combined projection bed usage

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.

