Public Health England

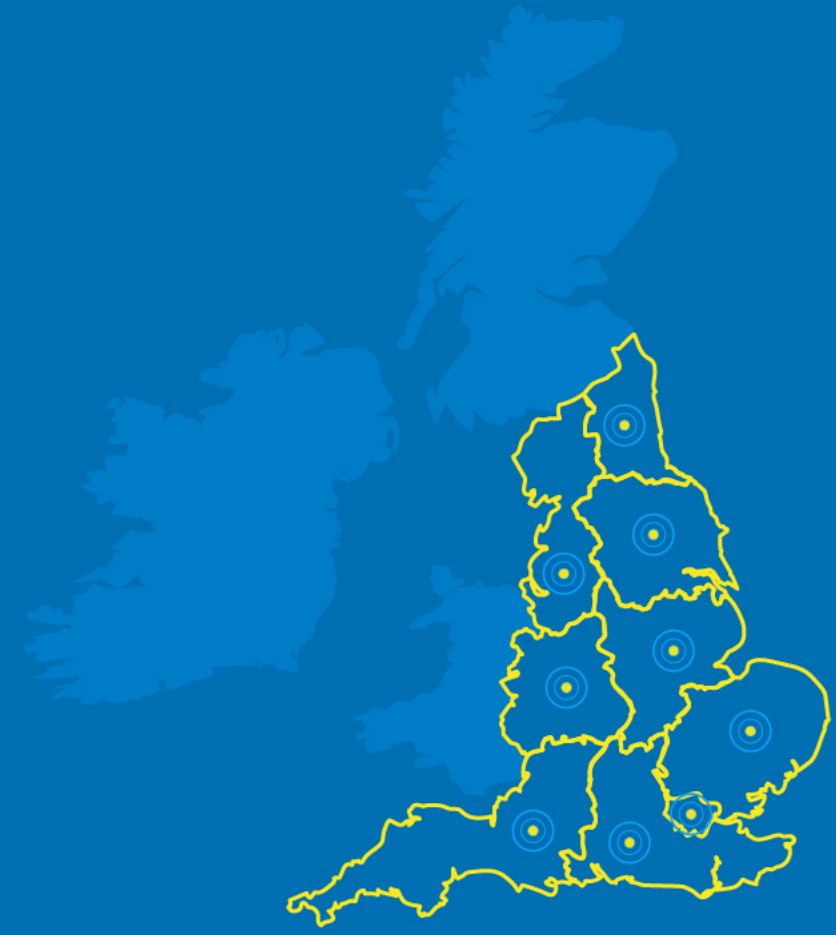
NHS Test and Trace

CORONAVIRUS

England Briefing

Situation Report
Main Body

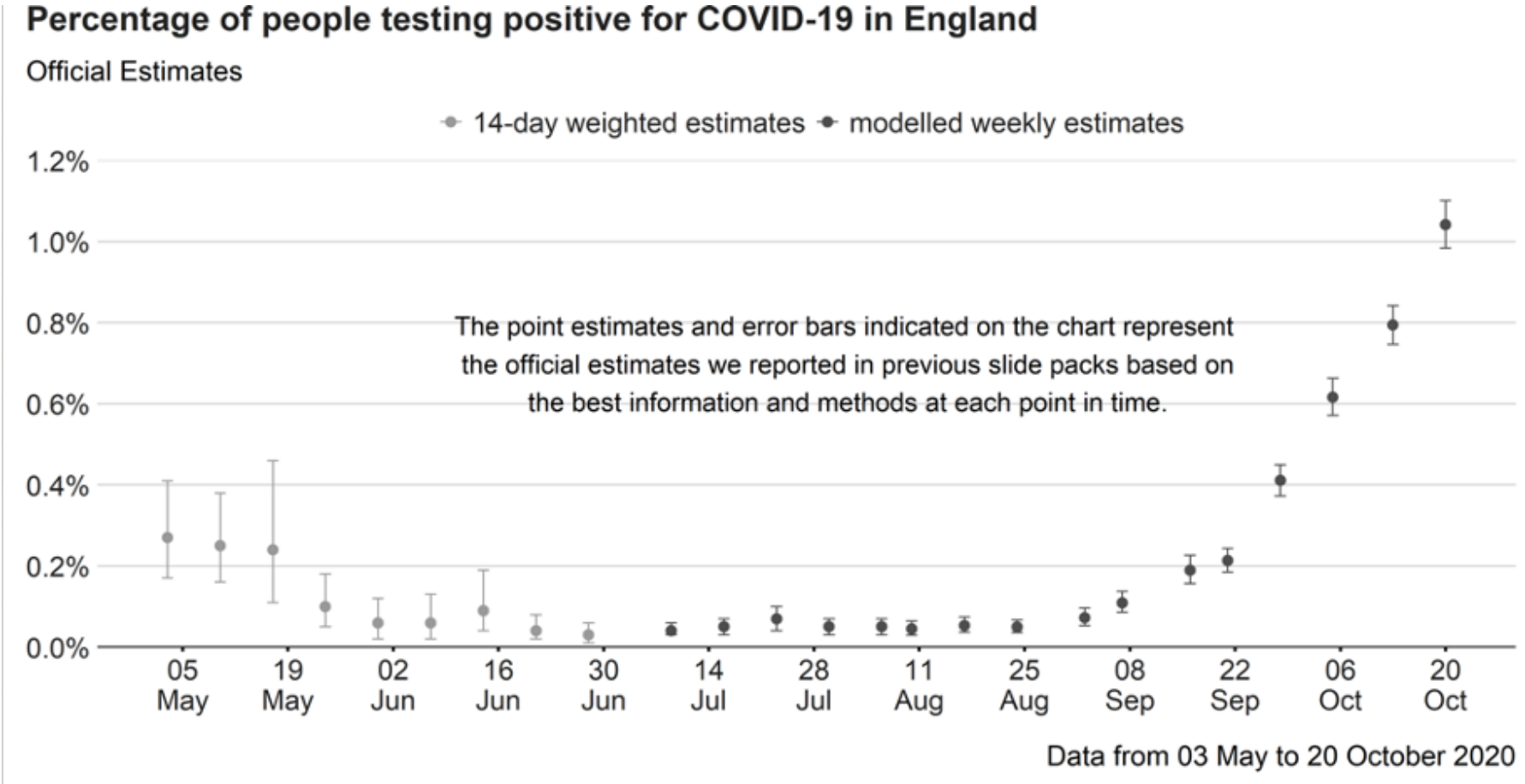
date: 4 November 2020



We have reached the point when a different approach is required

- The virus is spreading rapidly, and case numbers are high or rising in most parts of England.
- All regions in England have rates higher than or are fast approaching the level Leicester was at when it went into lockdown.
- Some of the fastest doubling rates are in the areas of lowest prevalence, meaning that we need to be concerned about them levelling up to the areas of already high prevalence.
- Other countries in similar situations, with local outbreaks escalating to widespread national epidemics. Realising this, they are deploying stringent national measures.
- Despite increasing NHS capacity, it will still be overwhelmed at this rate if R remains above 1:
  - unless you can get R down, you need to keep pace with the growth of the virus. It is not possible to double NHS capacity as fast as cases double - we need to take significant action to bring R down.
  - As hospitals fill up, we won't be able to provide other services, which would lead to far more non-Covid related deaths. *The danger is not focusing on Covid too much, it is not focusing on Covid enough*. We need to suppress the virus so the NHS can still carry out critical functions.

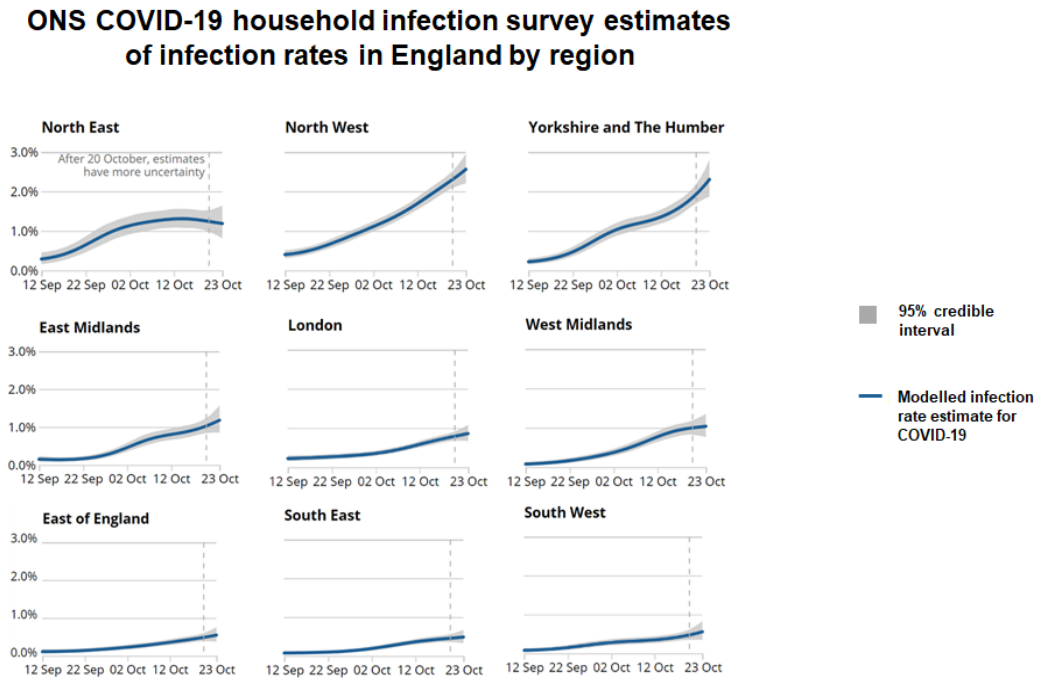
The virus is spreading rapidly in England



Case numbers are rising quickly even in areas of low prevalence - while the virus is more widespread in the NW, doubling times are fastest in the Midlands and fast in areas of lower prevalence; E, SE and SW.

Region	Weekly cases per 100k (22-29 Jun)	Weekly cases per 100k (last 7 days)	Doubling time (days, Oct 27th)
North East	3.4	294	27
North West	11.3	431	15
Yorkshire and The Humber	18.2	390	15
London	3.5	154	18
West Midlands	6	244	12
East Midlands	18.2	274	12
East of England	4.7	103	16
South West	1.5	142	18
South East	4.5	110	14
Leicester (pre-June lockdown)	141.2	N/A	N/A

Source: ONS (doubling times) and coronavirus.data.gov (weekly cases per 100k)

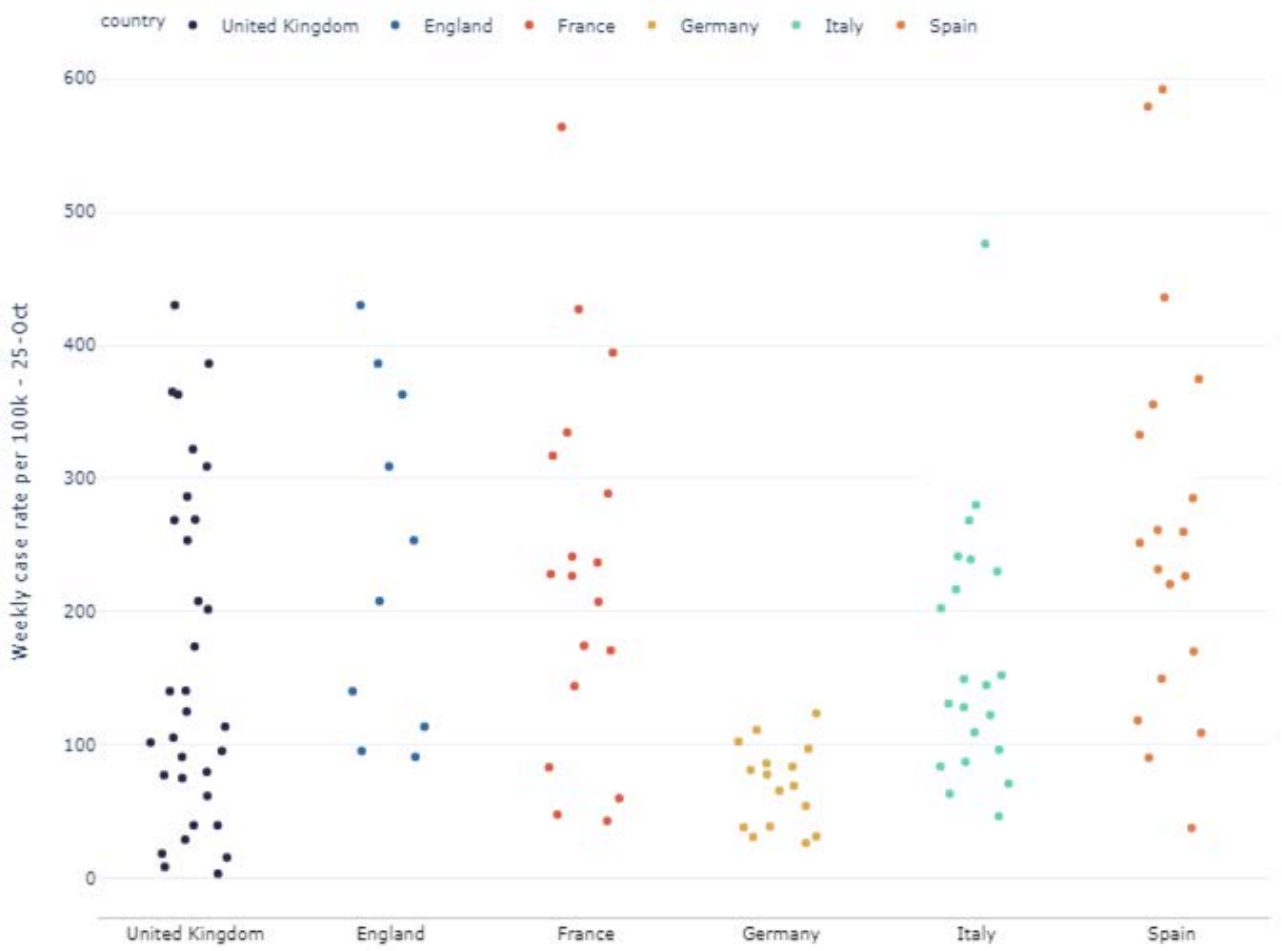


Source: Office for National Statistics – Coronavirus (COVID-19) Infection Survey

Source: ONS COVID-19 Infection Survey

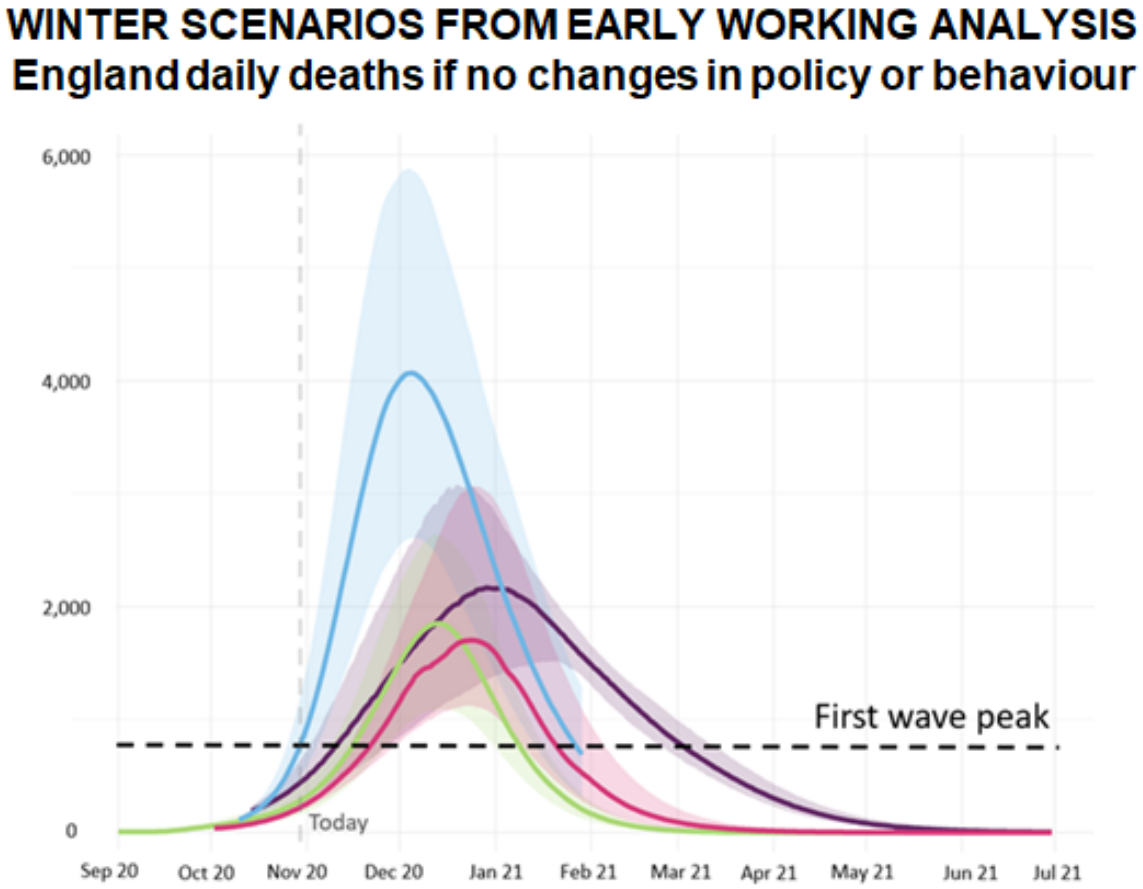
Other countries with a similar regional spread of cases to us - such as France - are deploying national measures

Case rates in subnational regions: Each point shows the case rate in a region within the country. Source: ECDC



The dispersion of case rates by region (a measure of how much they vary) shows that England and France are very similar.

Early working analysis from SAGE's SPI-M gave an indication that if the government does not act, the number of deaths could exceed the peak seen in April this year

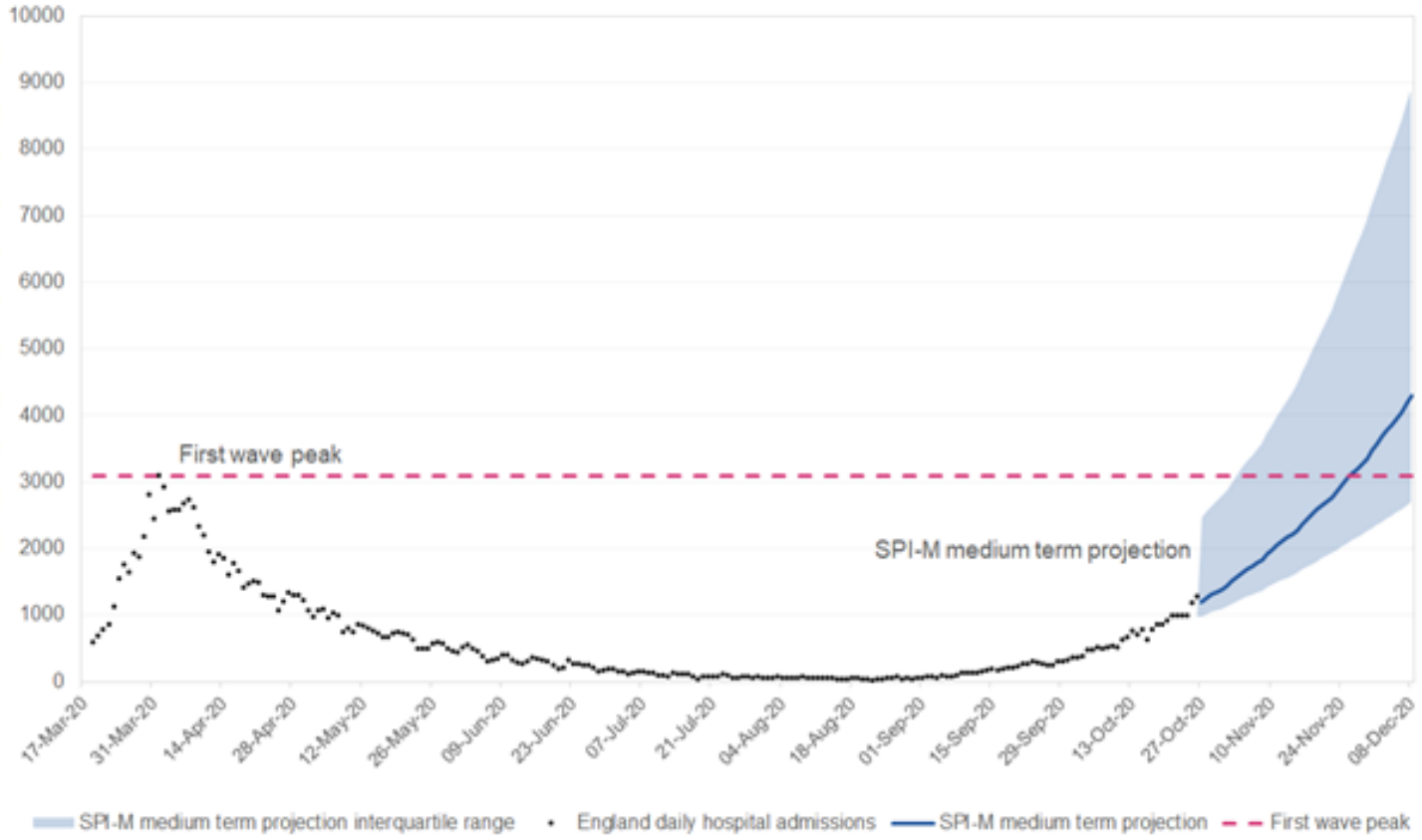


Early SPI-M working analysis
These curves represent scenarios from a number of academic modelling groups.
THESE ARE SCENARIOS - NOT PREDICTIONS OR FORECASTS

This plots various scenarios from a number of academic modelling groups, all of which show a general trend.

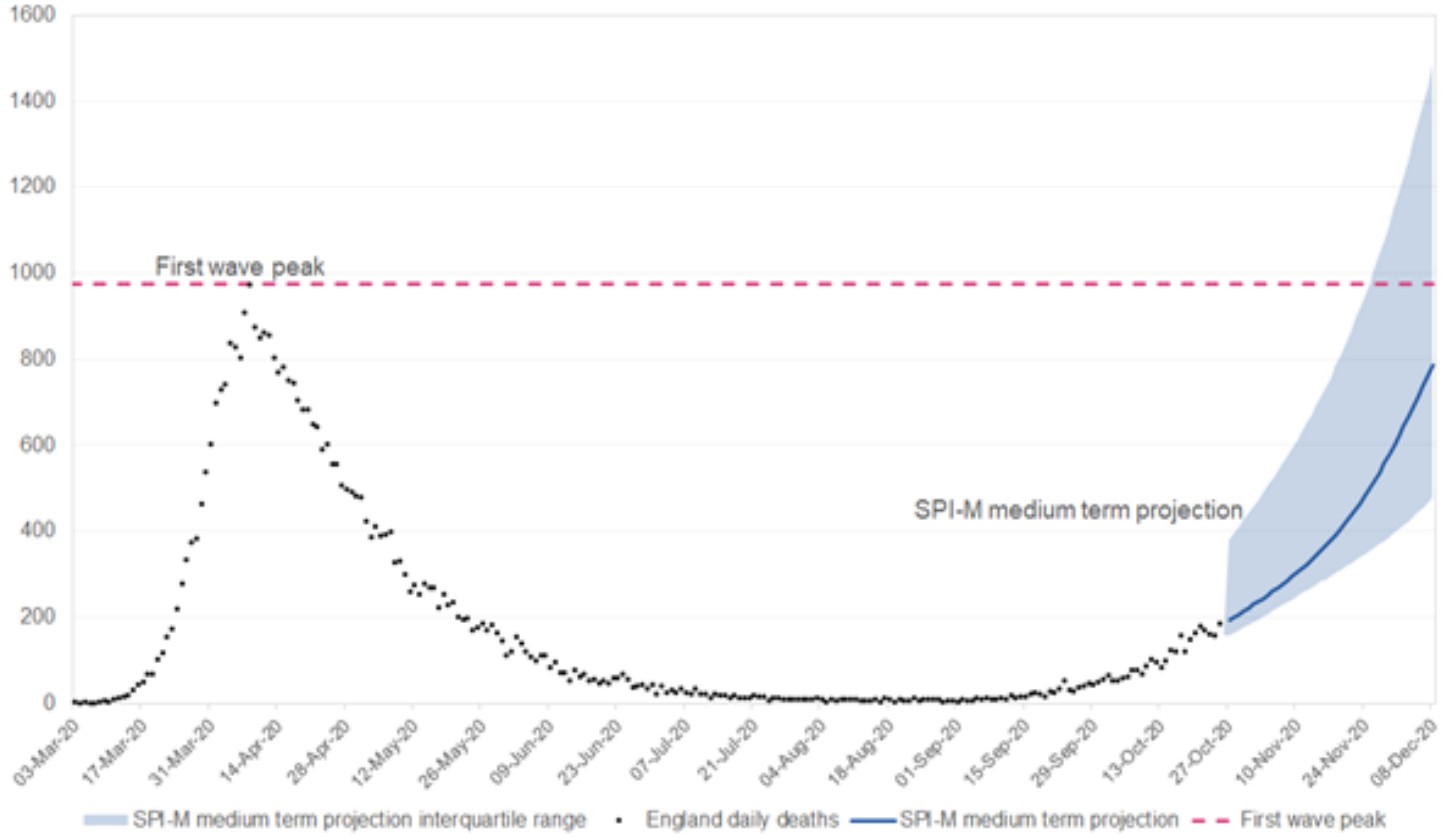
Shorter term projections from SPI-M indicates that we could exceed the first wave peak for hospital admissions by the end of November.

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



…And be rapidly approaching the first wave peaks for deaths by mid December.

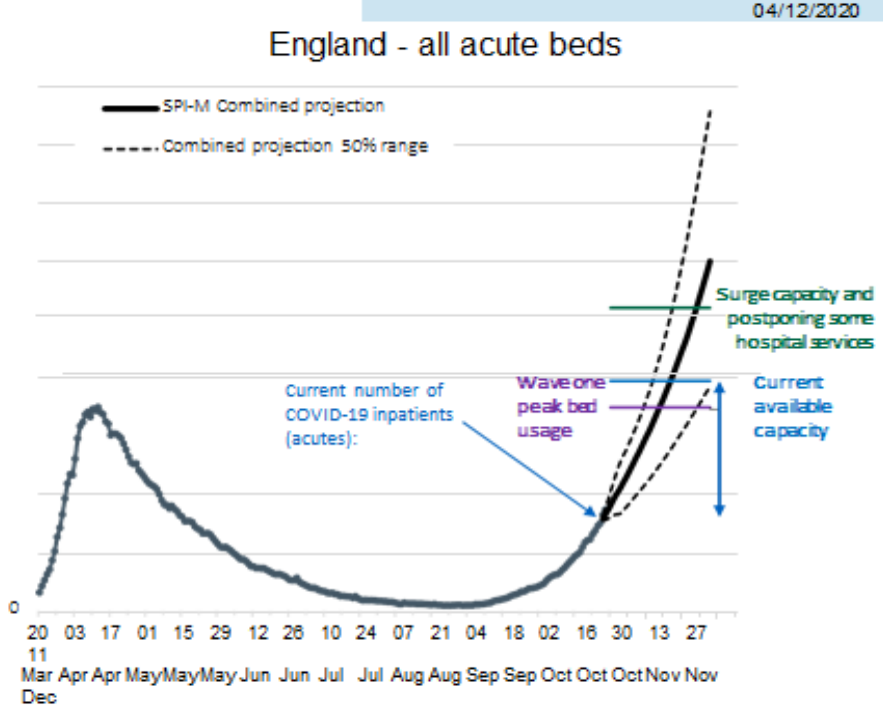
England - daily deaths to date with SPI-M medium term projection for the next six weeks

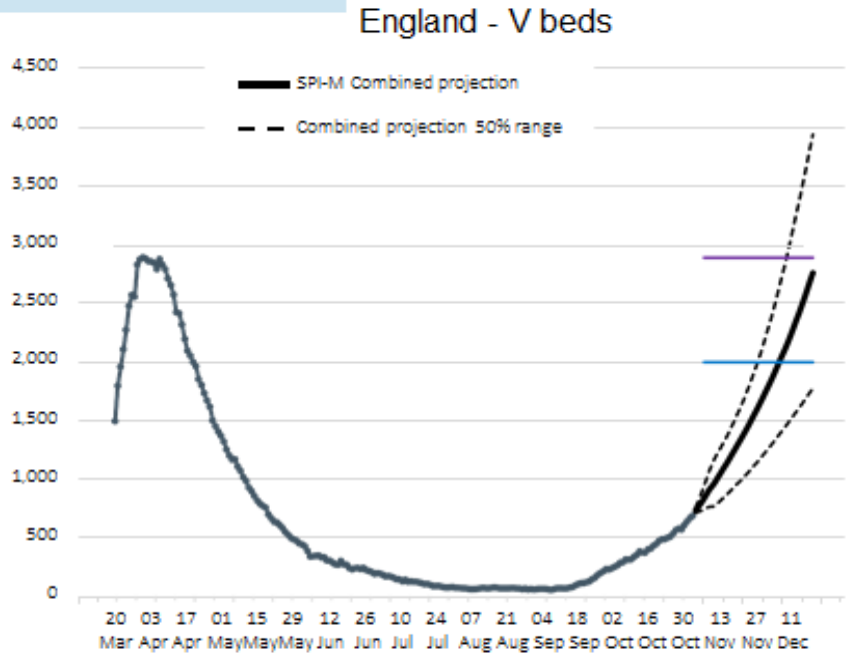


Modelling of NHS capacity based on SPI-M projections indicates that we could breach even the surge capacity for acute beds by early December

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





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.

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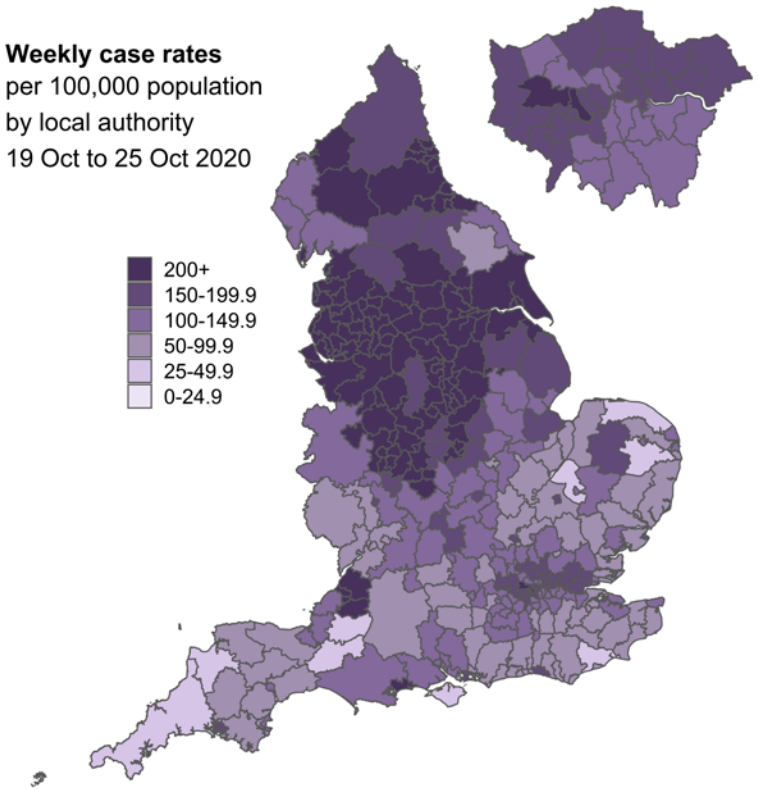
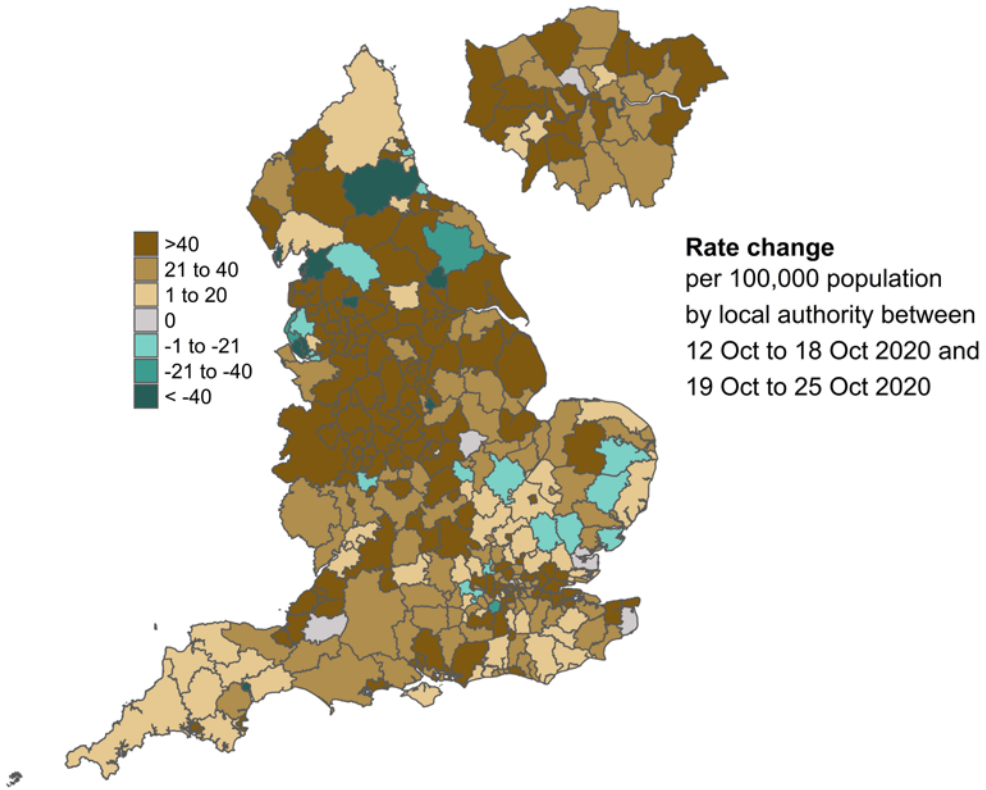
Current confirmed Covid positive inpatients as reported by providers as 0800 29 October 2020.

7 day rate of COVID-19 cases (Pillar 1 and Pillar 2) per 100,000 population, by lower-tier local authority, England

Geographical spread of COVID-19 in England



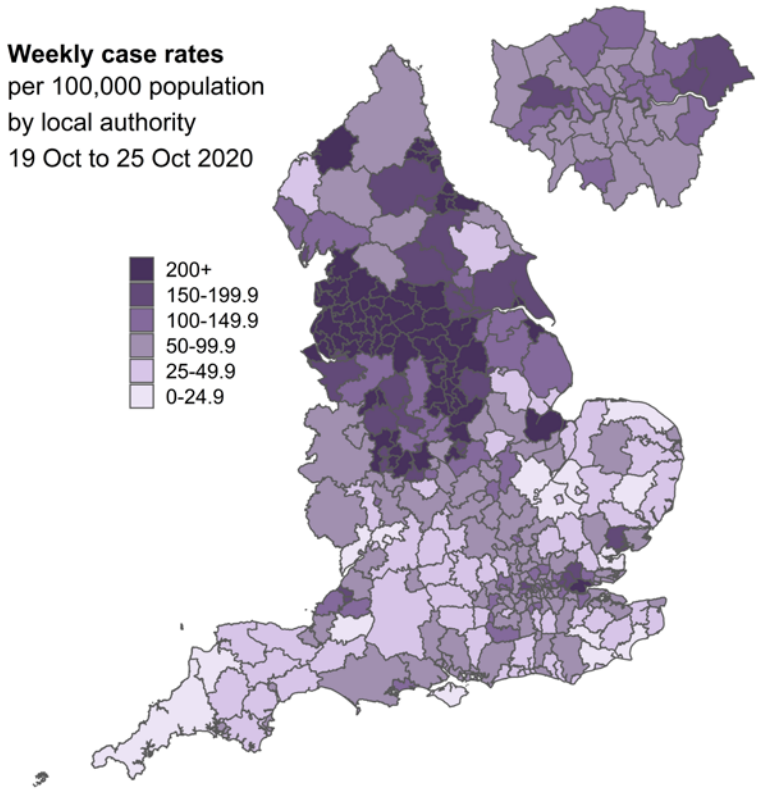


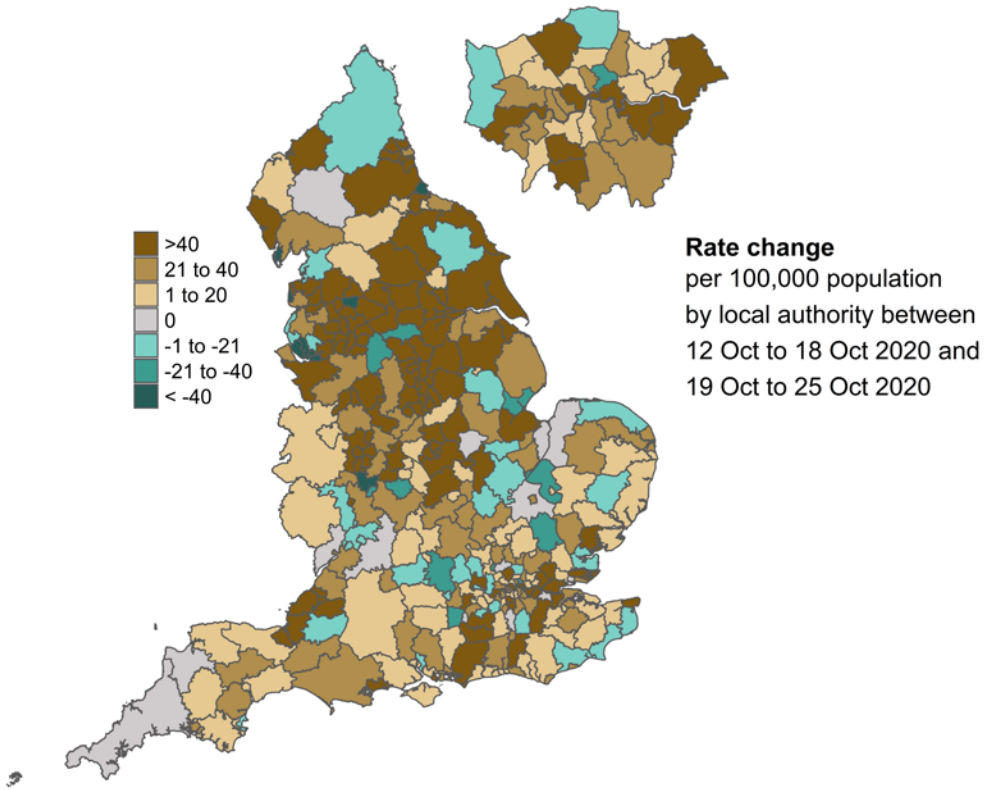
Data from SGSS; Pillar 1 and 2 testing. Figure by Outbreak Surveillance Team, Public Health England.

Contains National Statistics data including 2019 population estimates © Crown copyright and database right 2020

7 day rate of COVID-19 cases 60+ years only (Pillar 1 and Pillar 2) per 100,000 population, by lower-tier local authority, England

Geographical spread of COVID-19 in England (age 60+ years only)

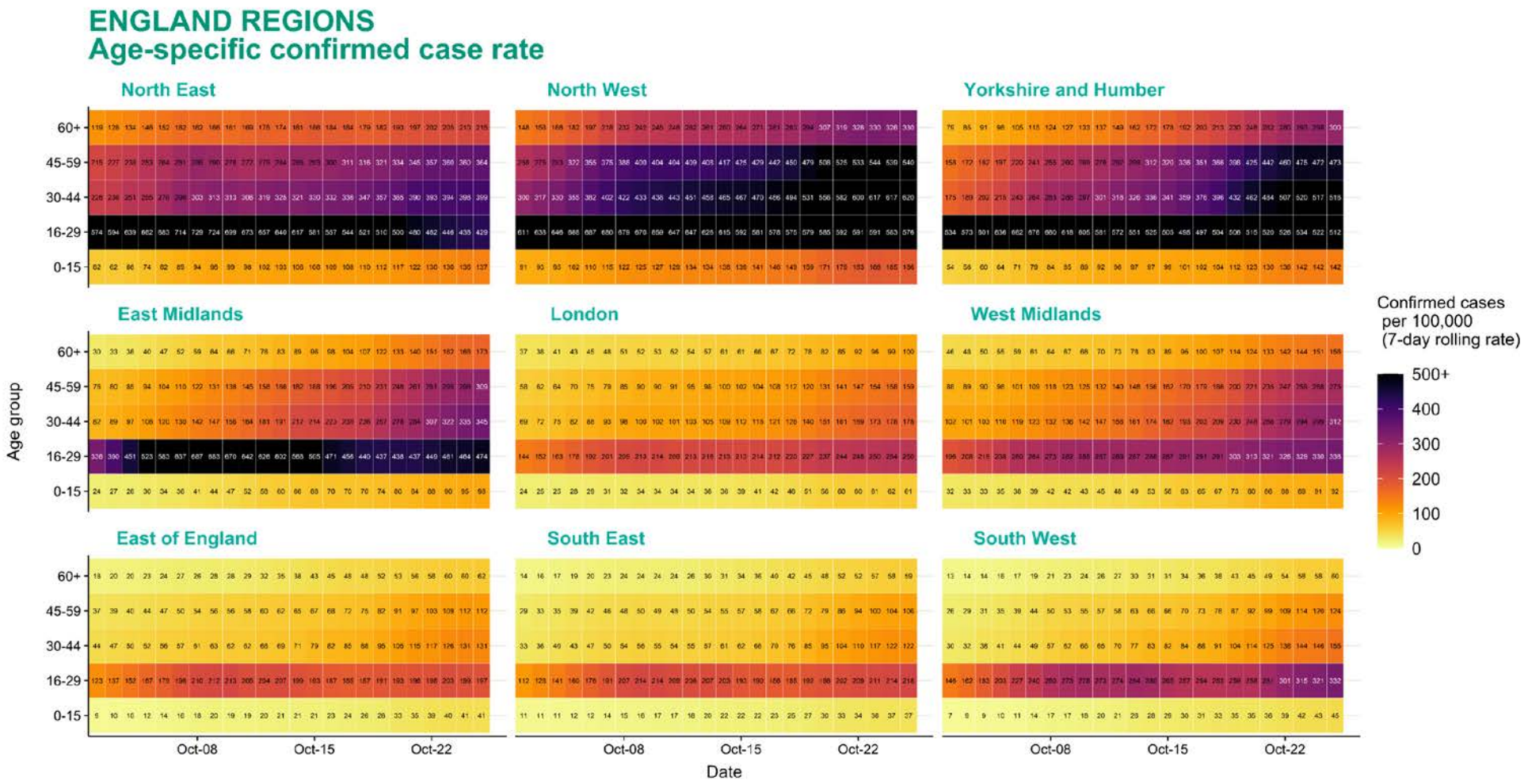




Data from SGSS; Pillar 1 and 2 testing. Figure by Outbreak Surveillance Team, Public Health England.

Contains National Statistics data including 2018 population estimates © Crown copyright and database right 2020

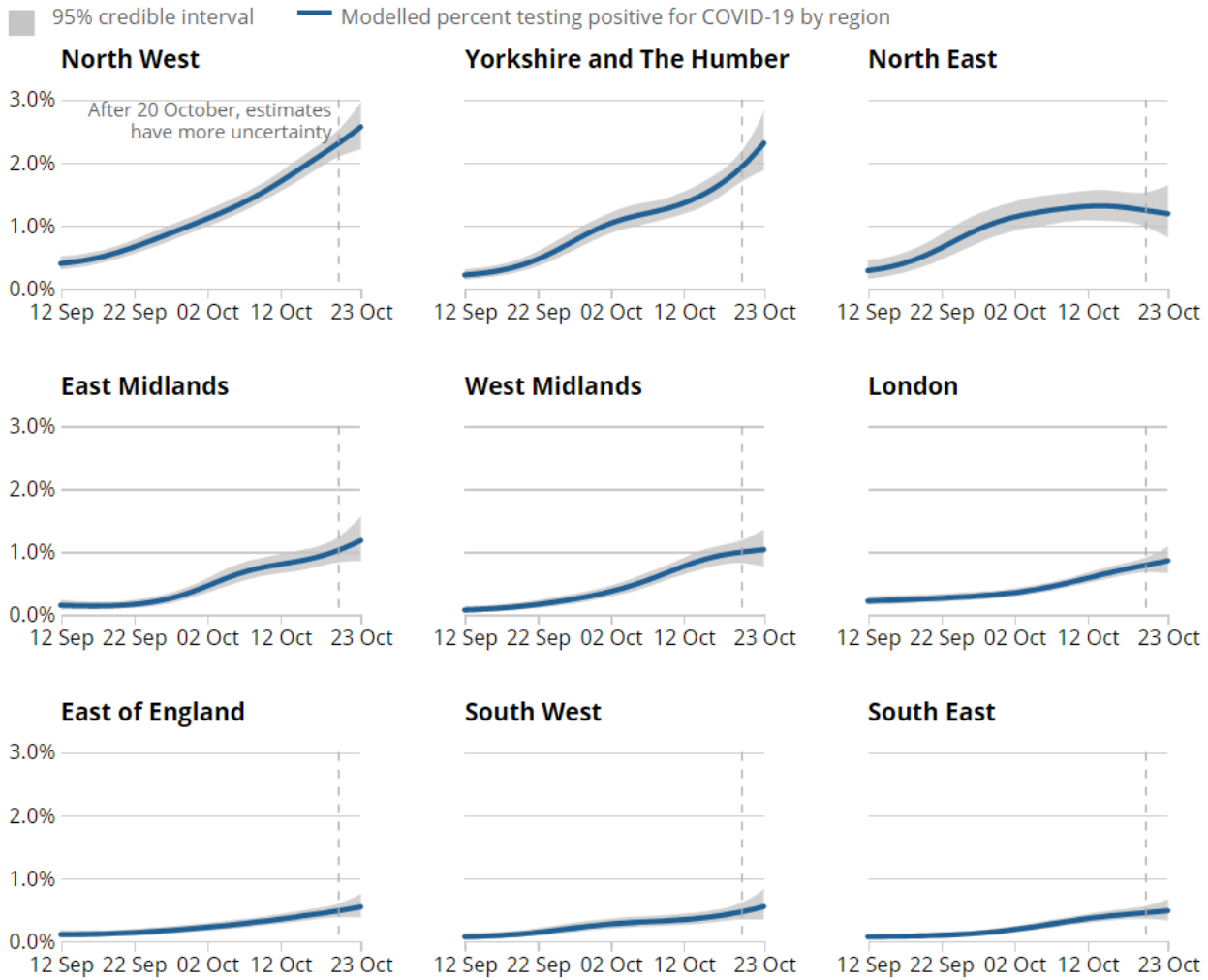
Age – Regional Heatmap of Weekly Incidence rate across both pillars 1 and 2
Data up to the 25 October 2020



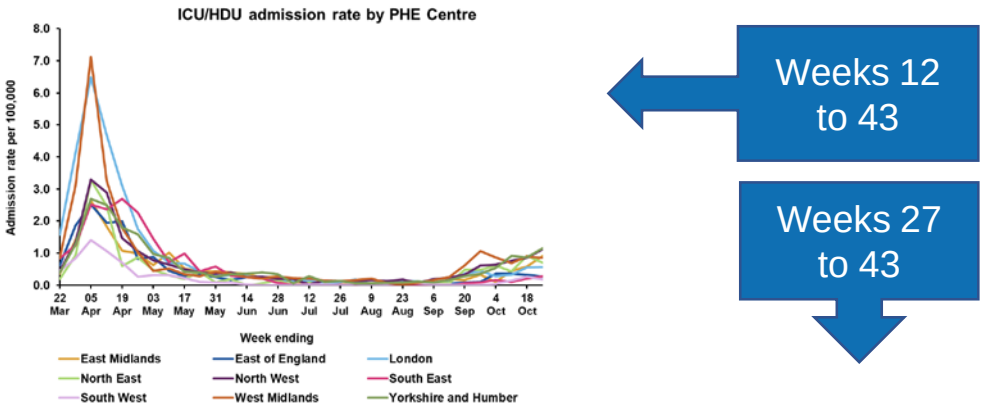
Source: Case data from SGSS. Produced by Outbreak Surveillance Team, PHE

Contains National Statistics data © Crown copyright and database right 2020

ONS regional trends – increasing in all areas

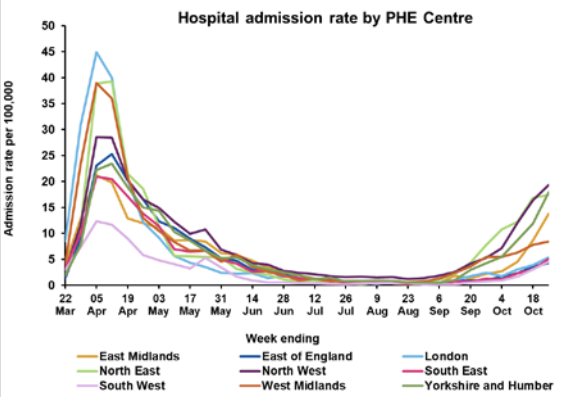


Hospitalisations by Region



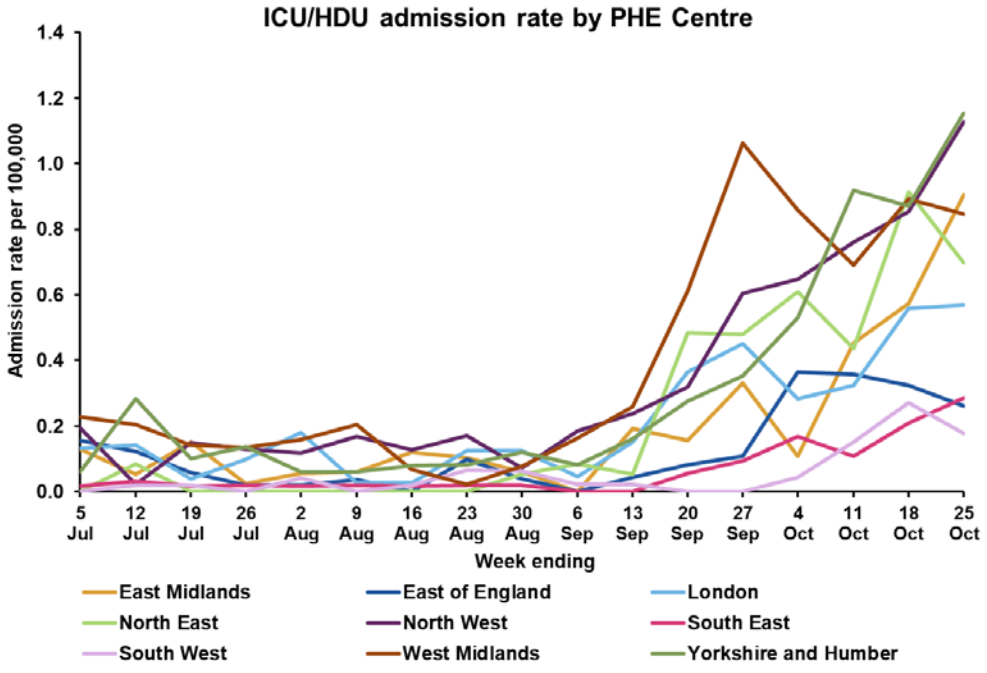
Weeks 12 to 43

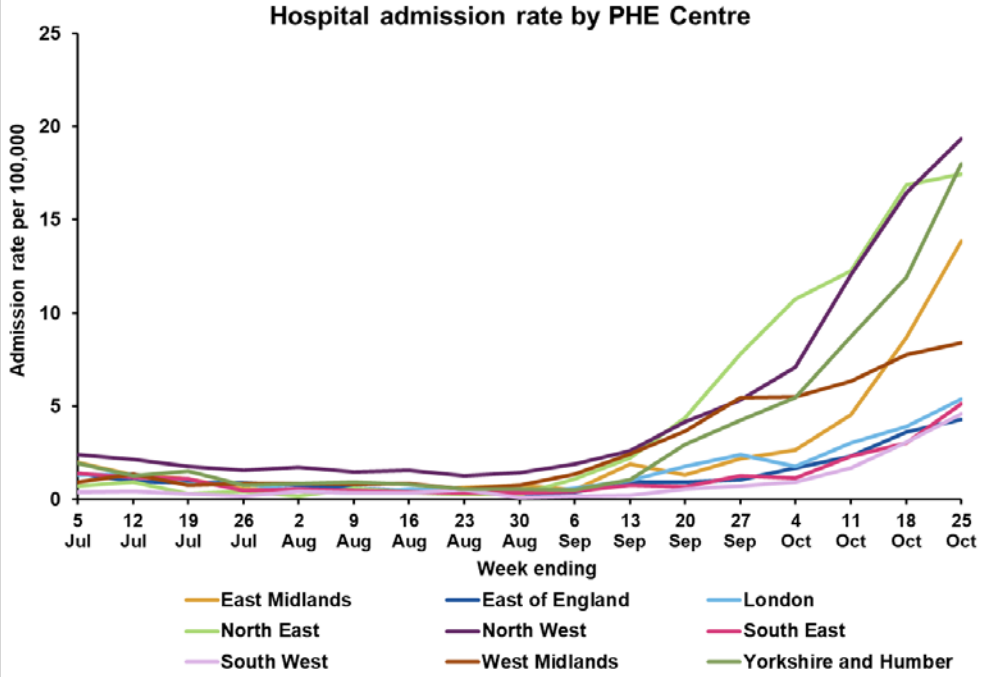
Weeks 27 to 43



Weeks 12 to 43

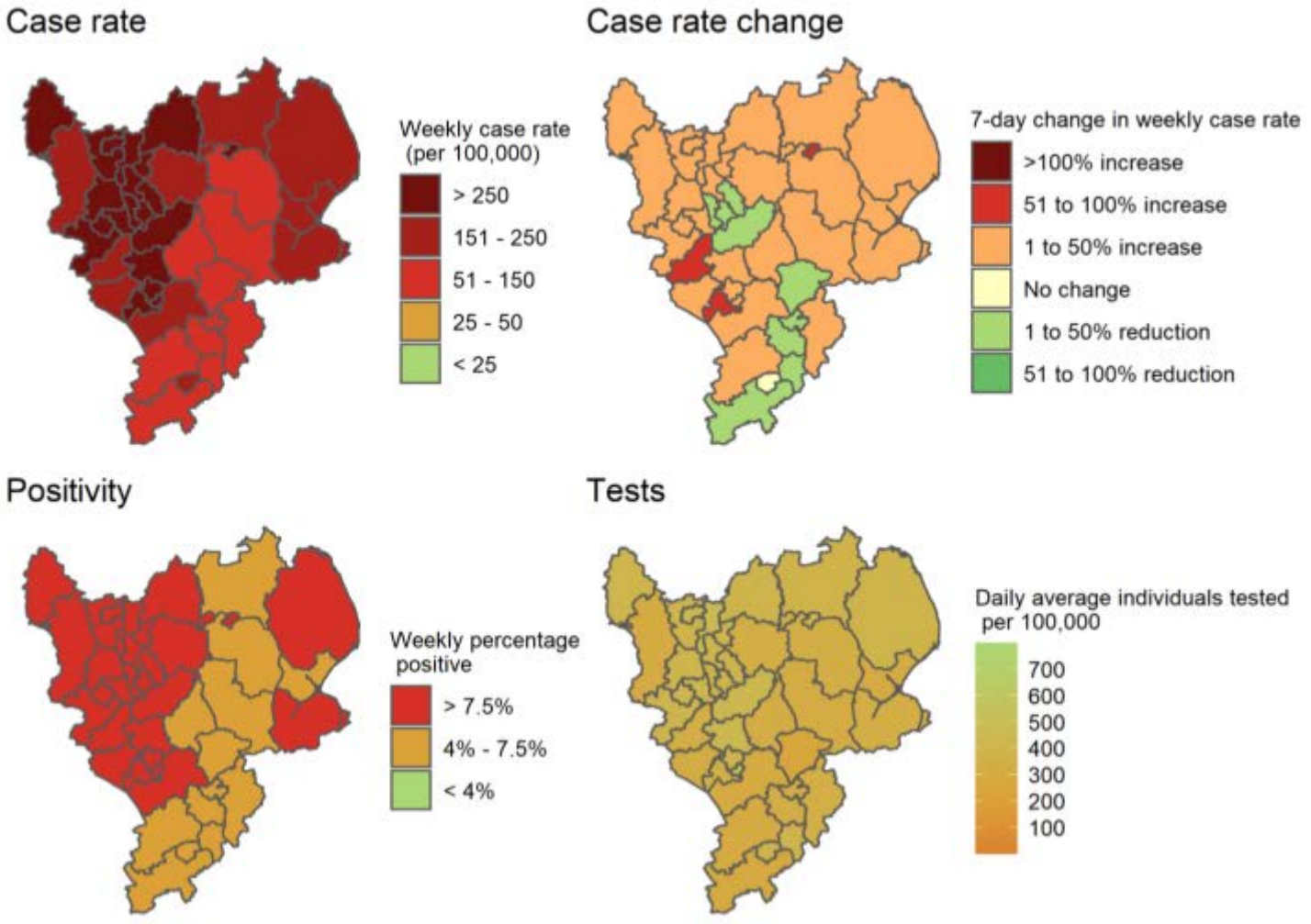
Weeks 27 to 43





Source: PHE Severe Acute Respiratory Infection surveillance web tool - SARI-Watch

East Midlands regional summary – case rate and positivity rising



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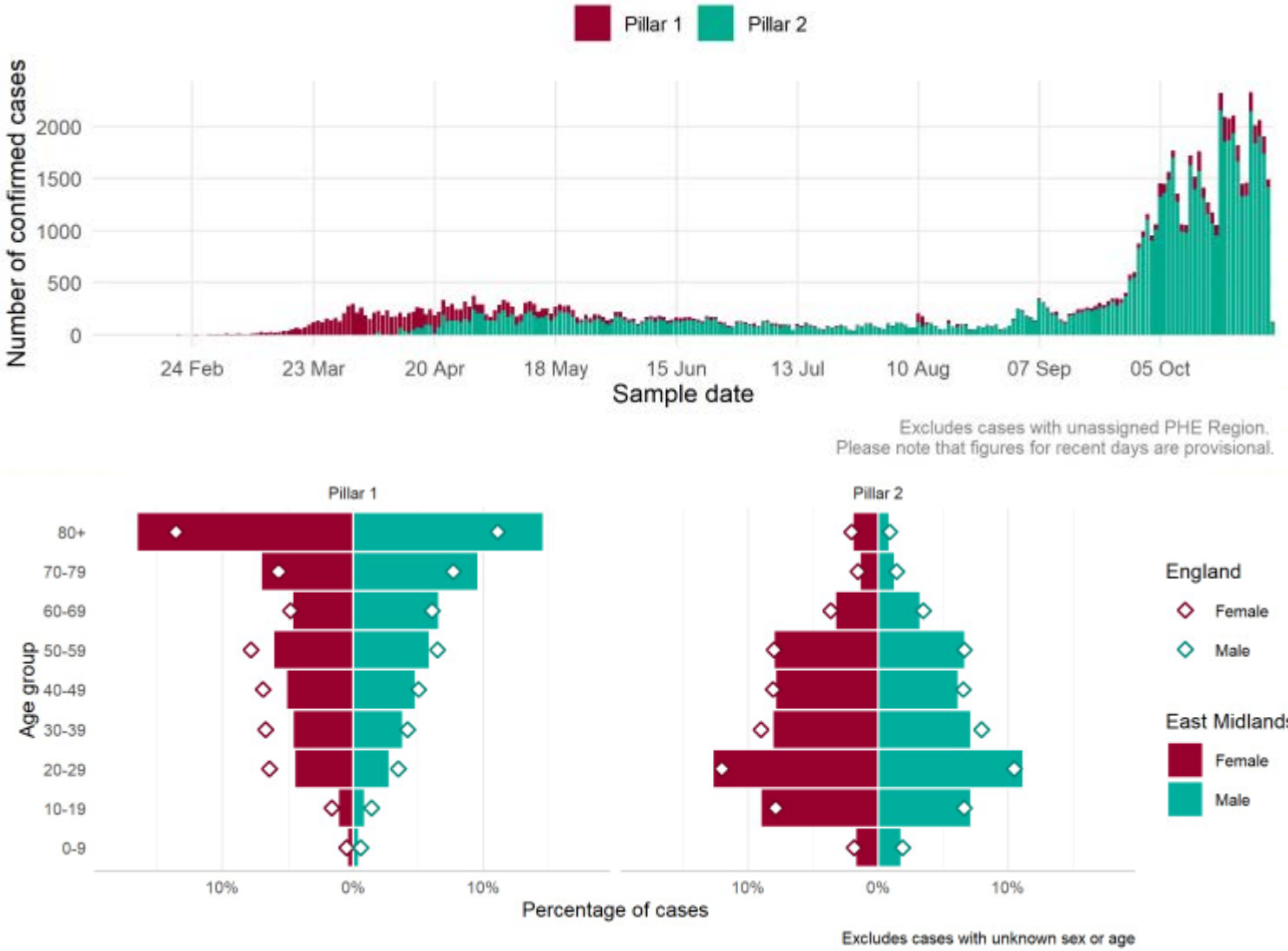
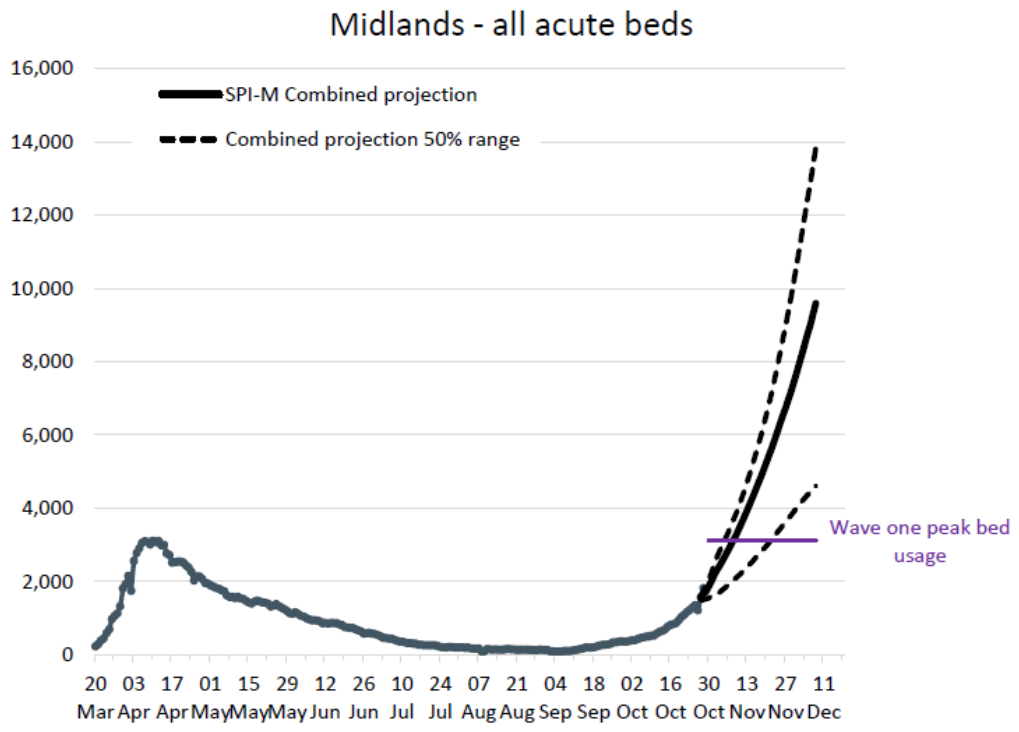
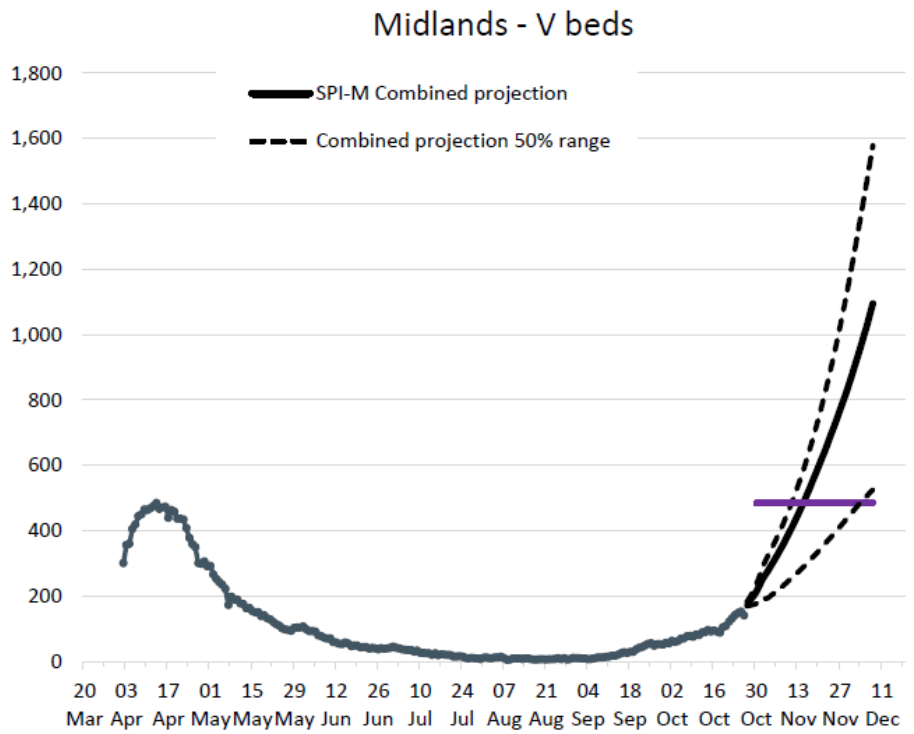


NHS Region Midlands - new SPI M combined projection bed usage

Exceeds previous peak on circa 08/11/2020





Epi Summary Table: East Midlands (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Charnwood	442.4 ↑	15.8% ↑	461.7 ↑	217.5 ↑	1640.3 ↑	858	High
Nottingham	405.6 ↓	15.7% ↑	406.4 ↓	398.4 ↑	426.2 ↓	1353	Very High
South Derbyshire	408.1 ↓	14.2% ↑	391.6 ↑	224.0 ↑	726.5 ↑	420	High
Gedling	389.9 ↓	14.9% ↑	387.6 ↓	269.6 ↓	616.9 ↓	457	Very High
Bolsover	469.0 ↑	12.1% ↑	379.8 ↑	282.7 ↑	567.3 →	306	High
Derby	434.1 ↓	12.6% ↑	366.9 ↑	289.5 ↑	512.5 ↑	944	High
Mansfield	417.7 ↑	12.8% ↑	362.3 ↑	281.7 ↓	540.0 ↑	396	Very High
North East Derbyshire	397.6 ↑	13.4% ↑	361.7 ↑	248.9 ↑	542.5 ↓	367	High
Chesterfield	447.6 ↑	11.6% ↑	356.5 ↑	148.5 ↓	344.0 ↓	374	High
Leicester	409.2 ↑	13.6% ↑	353.7 ↑	259.3 ↑	468.6 ↓	1253	High
Bassetlaw	402.3 ↑	13.3% ↑	350.8 ↑	231.4 ↑	561.7 ↑	412	Very High
Rushcliffe	439.5 ↑	12.2% ↓	346.5 ↓	270.7 ↑	555.8 ↓	413	Very High
Oadby and Wigston	491.6 ↑	10.5% ↑	338.5 ↑	223.9 ↑	680.4 ↓	193	High
Erewash	424.7 ↓	12.0% ↑	337.2 ↑	216.5 ↑	515.5 →	389	High
Broxtowe	378.3 ↓	13.4% ↑	320.1 ↓	259.6 ↑	430.3 ↓	365	Very High
Blaby	341.1 ↑	13.4% ↑	309.3 ↑	240.7 ↑	732.1 ↑	314	Medium
Ashfield	422.3 ↓	11.2% ↑	308.8 ↑	240.0 ↓	370.7 ↑	395	Very High
High Peak	406.2 ↑	10.5% ↑	298.9 ↑	214.7 ↑	343.8 ↓	277	High
Lincoln	434.9 ↑	10.7% ↑	295.1 ↑	70.6 ↑	1000.9 ↑	293	Medium
Amber Valley	404.1 ↓	10.1% ↑	267.7 ↑	214.8 ↑	458.3 →	343	High
Newark and Sherwood	335.1 ↓	11.1% ↑	247.5 ↑	173.9 ↑	305.7 ↓	303	Very High
North West Leicestershi	333.7 ↑	9.2% ↑	201.7 ↑	144.7 ↑	180.3 ↓	209	Medium
East Lindsey	397.8 ↑	8.0% ↑	199.0 ↑	135.7 ↑	352.5 →	282	Medium
Hinckley and Bosworth	324.0 ↑	9.0% ↑	192.7 ↑	90.8 ↓	470.7 ↓	218	Medium

Source: JSAT daily tables (PHE)

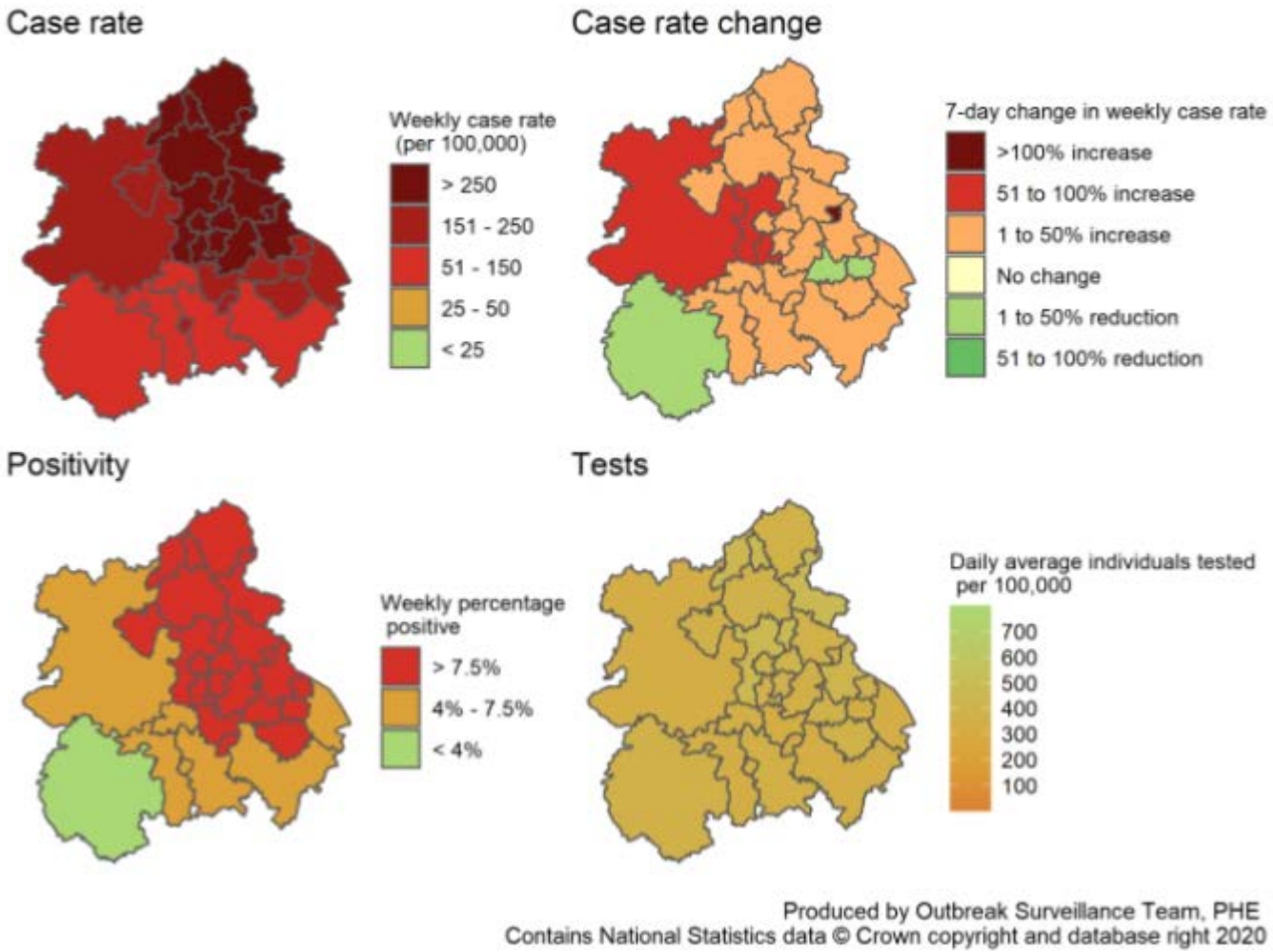
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: East Midlands (Table 2 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Derbyshire Dales	299.0 ↓	8.5% ↑	177.0 ↑	115.6 →	390.8 ↓	128	High
South Holland	331.5 ↑	8.4% ↑	175.8 ↑	189.1 ↑	264.3 ↓	167	Medium
Harborough	302.7 ↑	8.9% ↑	174.8 ↑	154.9 ↑	332.5 ↓	164	Medium
Northampton	398.0 ↓	6.3% ↑	162.1 ↓	93.4 ↑	273.9 ↓	364	Medium
West Lindsey	383.8 ↑	6.0% ↑	157.8 ↑	131.3 ↑	239.0 ↓	151	Medium
Boston	301.1 ↑	7.4% ↑	153.9 ↑	94.9 ↑	92.6 ↓	108	Medium
East Northamptonshire	345.5 ↓	6.3% ↑	144.9 ↑	140.6 ↑	236.4 ↓	137	Medium
South Kesteven	317.8 ↓	6.9% ↑	141.1 ↑	49.5 ↓	376.6 ↓	201	Medium
Wellingborough	395.4 ↑	5.8% ↓	139.3 ↓	94.2 ↓	77.9 ↓	111	Medium
North Kesteven	336.1 ↓	6.1% ↑	136.9 ↑	54.8 ↑	460.8 ↑	160	Medium
Melton	323.0 ↑	6.6% ↑	136.7 ↑	85.3 ↑	346.2 ↑	70	Medium
Daventry	301.0 ↓	5.2% ↑	107.0 ↑	77.6 ↑	231.8 ↓	92	Medium
South Northamptonshir	296.6 ↓	5.2% ↓	106.9 ↓	55.7 ↑	215.4 ↓	101	Medium
Kettering	333.6 ↓	4.5% ↑	95.3 ↓	81.8 ↑	192.7 ↓	97	Medium
Corby	332.7 ↓	4.1% ↓	84.5 ↓	70.9 ↑	204.0 ↓	61	Medium
Rutland	261.9 ↓	4.9% ↓	77.6 ↓	39.3 ↓	117.3 ↓	31	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

West Midlands regional summary – case rate and positivity rising



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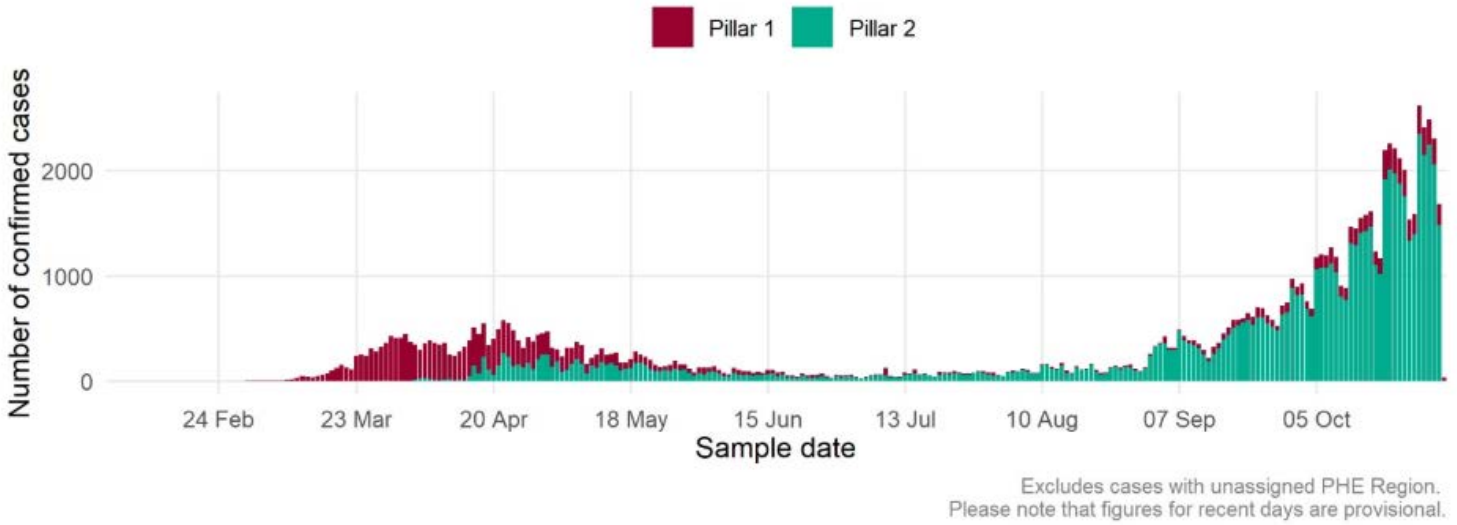
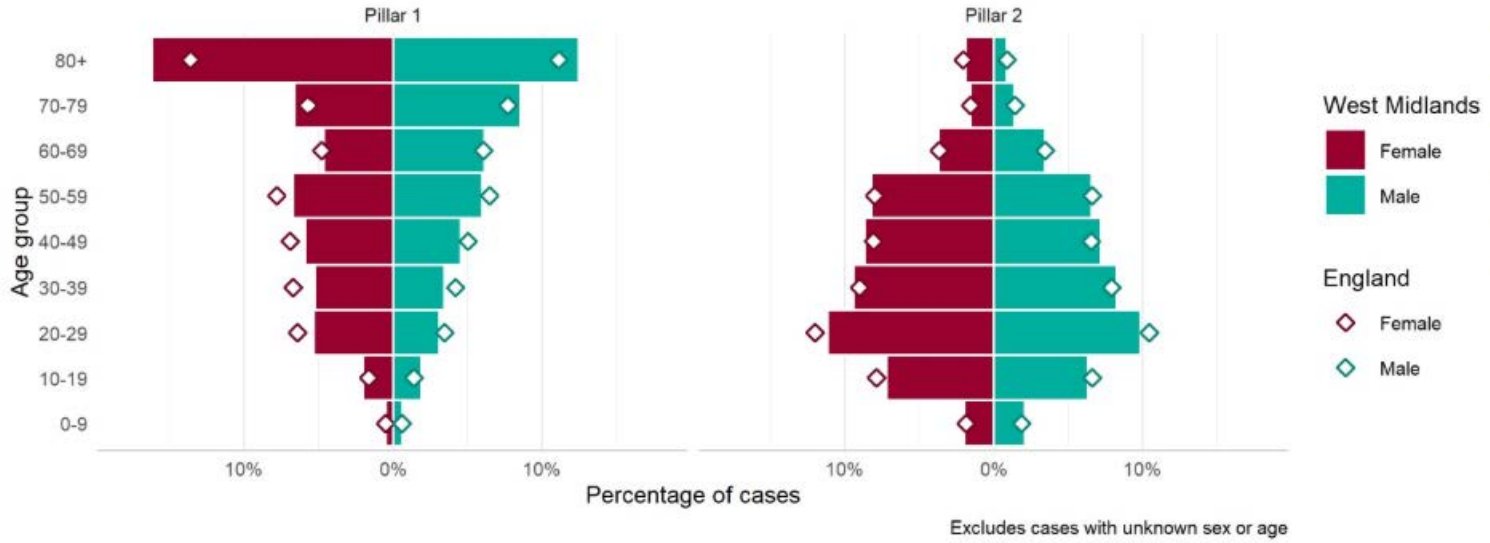
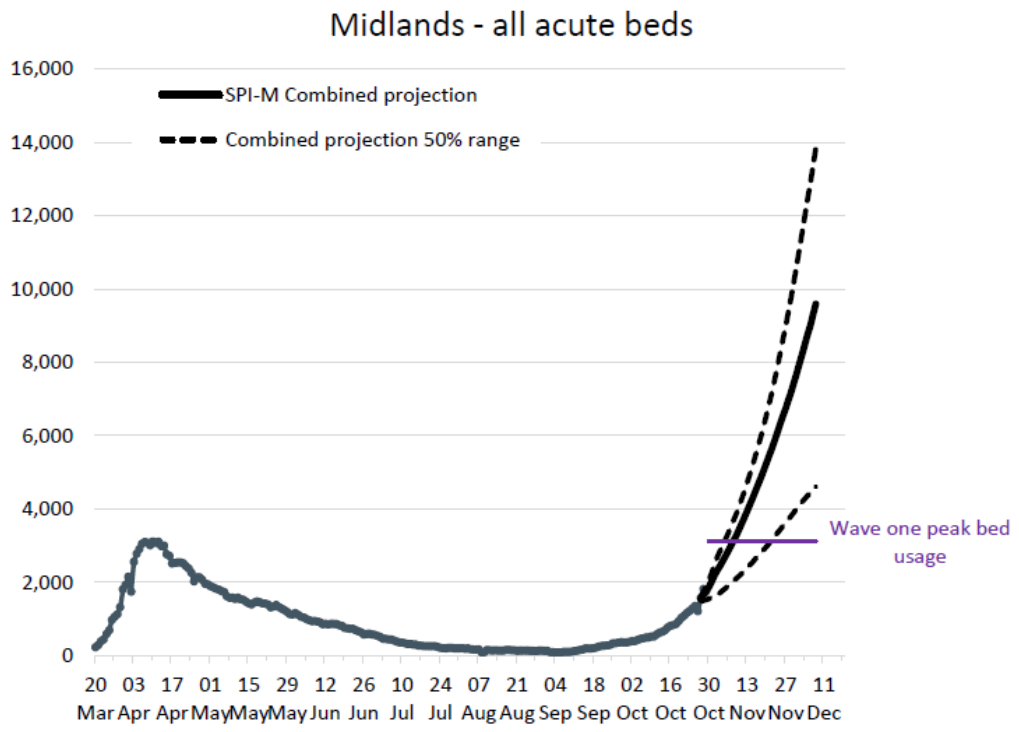
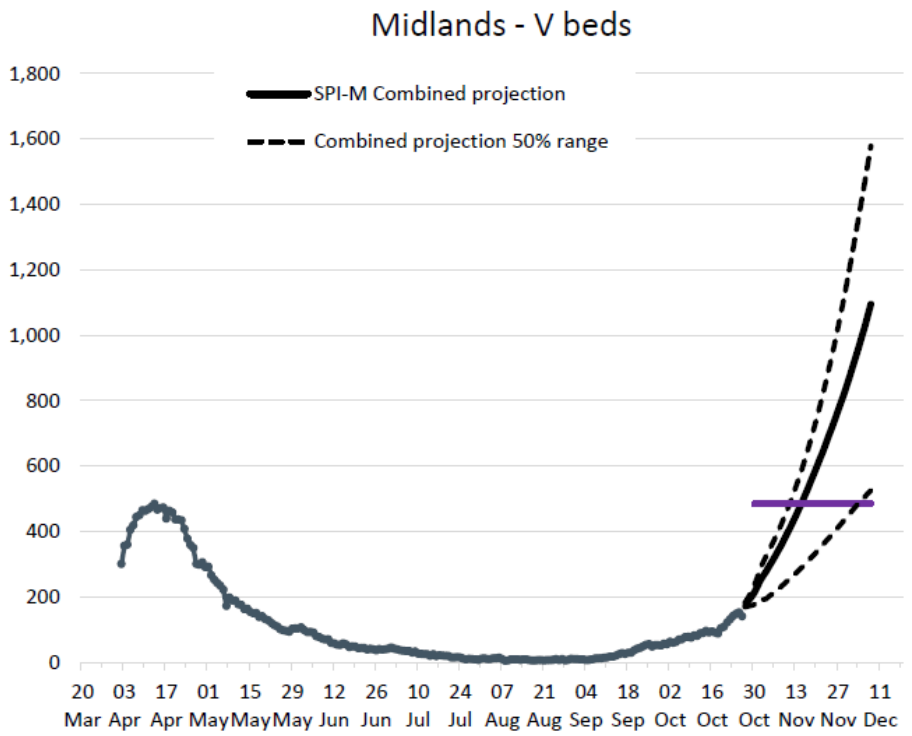




NHS Region Midlands - new SPI M combined projection bed usage

Exceeds previous peak on circa 08/11/2020





Epi Summary Table: West Midlands (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
South Staffordshire	449.9 ↑	14.1% ↑	429.6 ↑	315.0 ↑	405.6 ↑	483	High
Cannock Chase	455.4 ↑	11.5% ↑	344.4 ↑	237.4 ↑	407.1 ↑	347	High
Tamworth	357.6 ↑	14.1% ↑	337.7 ↑	214.6 ↑	634.0 ↑	259	High
Walsall	399.2 ↑	12.9% ↑	337.3 ↑	236.5 ↑	472.0 ↑	963	High
Stoke-on-Trent	448.0 ↓	11.4% ↑	336.6 ↑	289.2 ↑	348.0 ↓	863	High
Newcastle-under-Lyme	432.3 ↑	11.7% ↑	335.3 ↑	236.1 ↑	603.7 →	434	High
Sandwell	380.8 ↓	13.3% ↑	325.2 ↑	303.2 ↑	339.4 ↓	1068	High
Staffordshire Moorland	377.0 ↓	11.8% ↑	303.8 ↑	193.7 ↑	347.8 ↓	299	High
Dudley	372.9 ↑	12.0% ↑	299.1 ↑	219.2 ↑	459.9 ↑	962	High
North Warwickshire	412.2 ↑	10.4% ↑	289.6 ↑	232.9 ↑	691.5 ↑	189	Medium
East Staffordshire	452.0 ↑	9.0% ↑	273.9 ↑	255.0 ↑	501.0 ↑	328	High
Birmingham	355.5 ↓	11.9% ↑	270.4 ↑	217.3 ↑	305.0 ↓	3088	High
Wolverhampton	376.9 ↓	10.6% ↑	262.8 ↑	197.9 ↑	289.3 ↓	692	High
Stafford	379.8 ↓	10.1% ↑	255.0 ↑	193.4 ↑	359.8 ↓	350	High
Lichfield	372.7 ↑	10.2% ↑	253.9 ↑	170.8 ↑	365.7 ↓	266	High
Warwick	378.7 ↑	9.9% ↑	238.6 ↑	101.4 ↑	718.5 ↓	343	Medium
Telford and Wrekin	367.2 ↓	9.8% ↑	236.3 ↑	105.2 ↑	598.3 ↓	425	High
Solihull	373.0 ↓	9.7% ↑	231.1 ↓	181.8 ↑	389.8 ↑	500	High

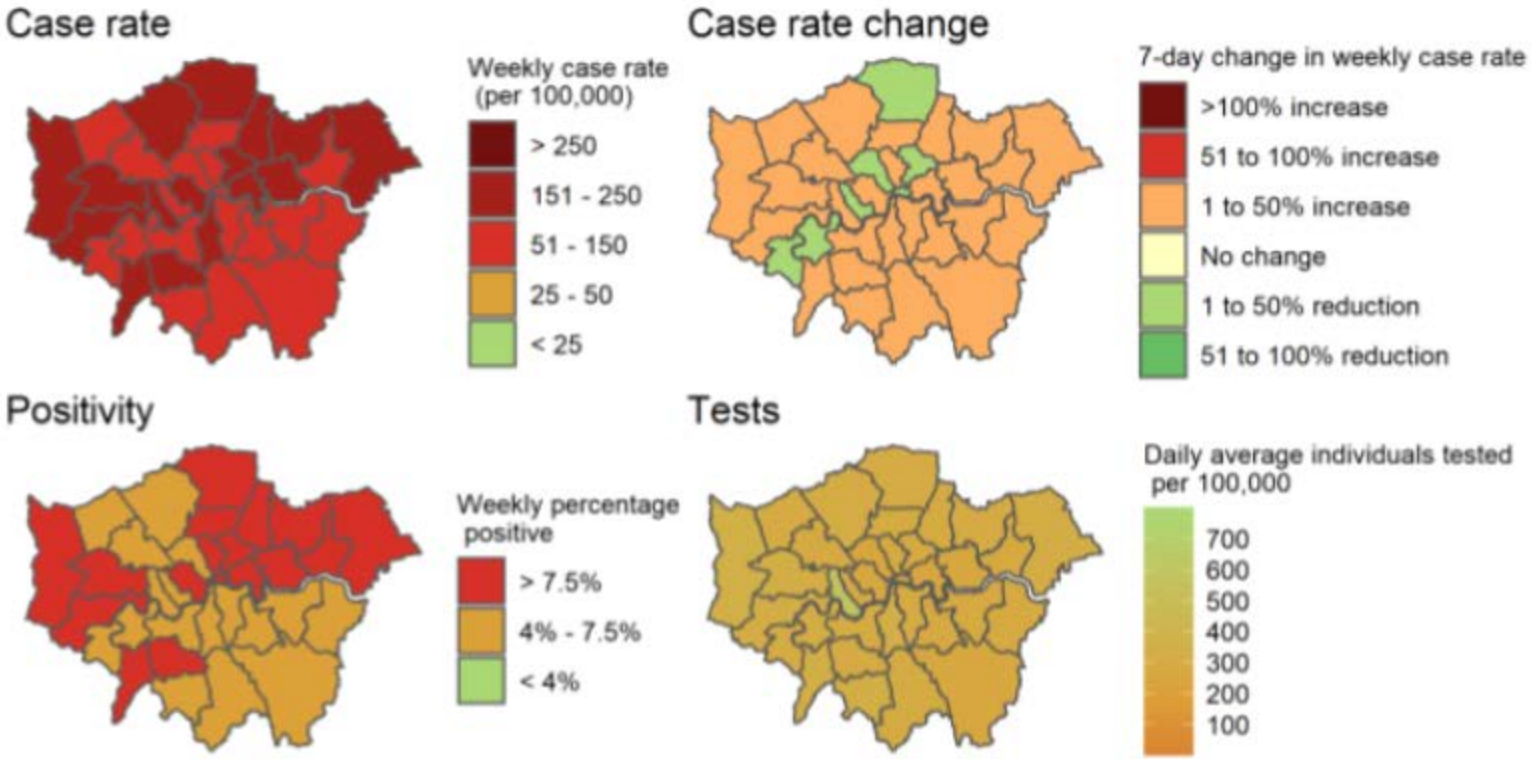
Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: West Midlands (Table 2 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Nuneaton and Bedworth	372.9 ↓	8.2% ↑	200.2 ↑	113.8 ↑	312.7 ↑	260	Medium
Coventry	322.2 ↓	9.5% →	199.5 ↓	123.3 ↓	504.5 ↓	741	High
Bromsgrove	326.5 ↓	9.2% ↑	195.2 ↑	104.8 ↑	520.5 ↑	195	Medium
Redditch	307.0 ↓	8.6% ↑	177.1 ↑	106.2 ↑	342.8 ↑	151	Medium
Shropshire	331.8 ↓	7.0% ↑	157.8 ↑	109.1 ↑	294.1 ↑	510	Medium
Worcester	343.8 ↑	6.9% ↑	155.1 ↑	118.2 ↑	178.4 ↓	157	Medium
Rugby	332.2 ↓	7.1% ↑	153.3 ↑	71.9 ↓	334.9 ↑	167	Medium
Stratford-on-Avon	333.7 ↓	6.5% ↑	146.8 ↑	83.9 ↑	342.8 ↓	191	Medium
Wyre Forest	346.1 ↑	5.9% ↑	139.2 ↑	117.7 ↑	262.5 ↓	141	Medium
Wychavon	354.2 ↑	5.4% →	126.7 ↑	82.3 ↑	234.7 ↓	164	Medium
Malvern Hills	337.3 ↓	5.5% ↑	122.0 ↑	53.9 ↑	310.3 →	96	Medium
Herefordshire, County of	366.6 ↑	3.5% ↓	83.0 ↓	50.9 ↓	200.4 ↓	160	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

London regional summary – case rate and positivity rising



Produced by Outbreak Surveillance Team, PHE

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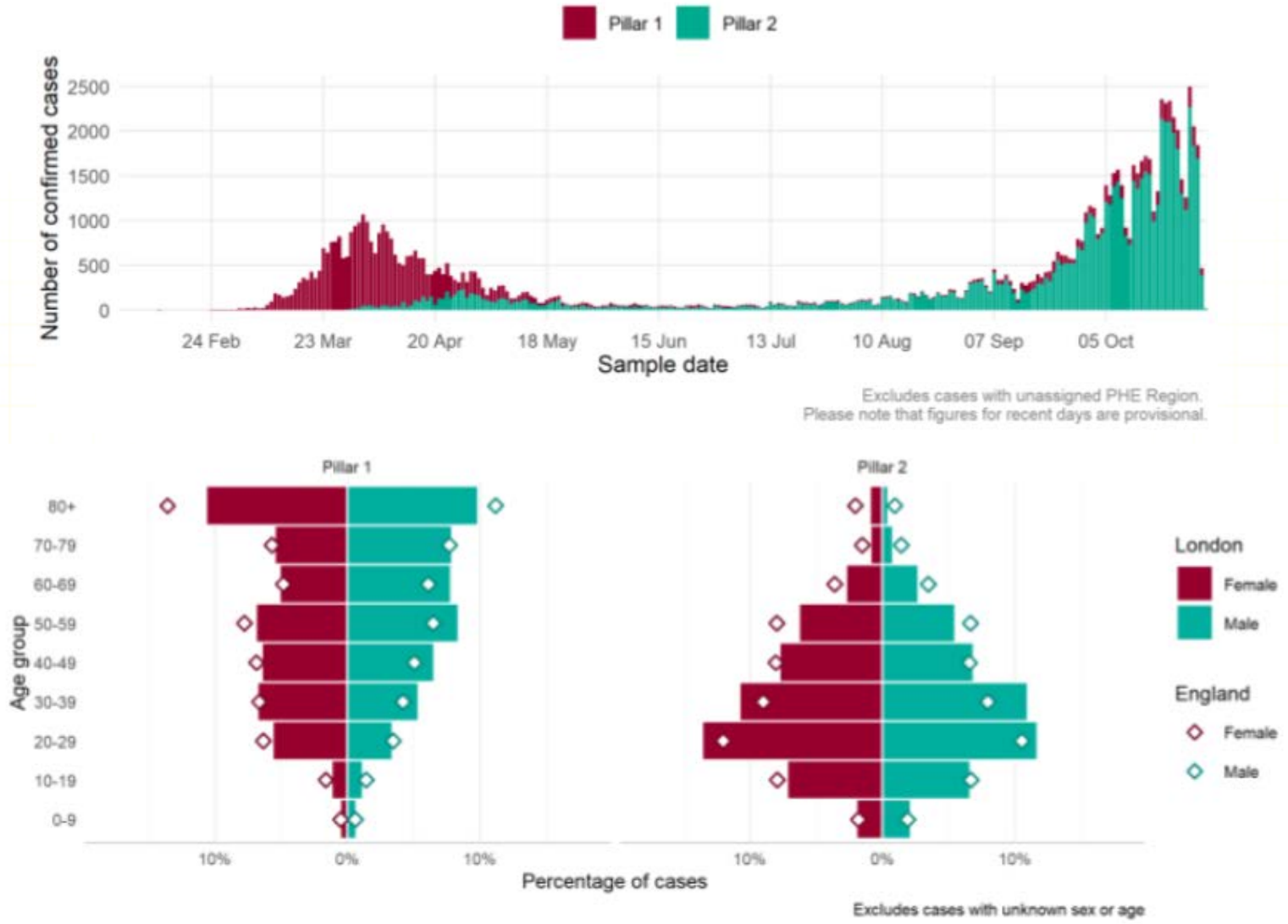
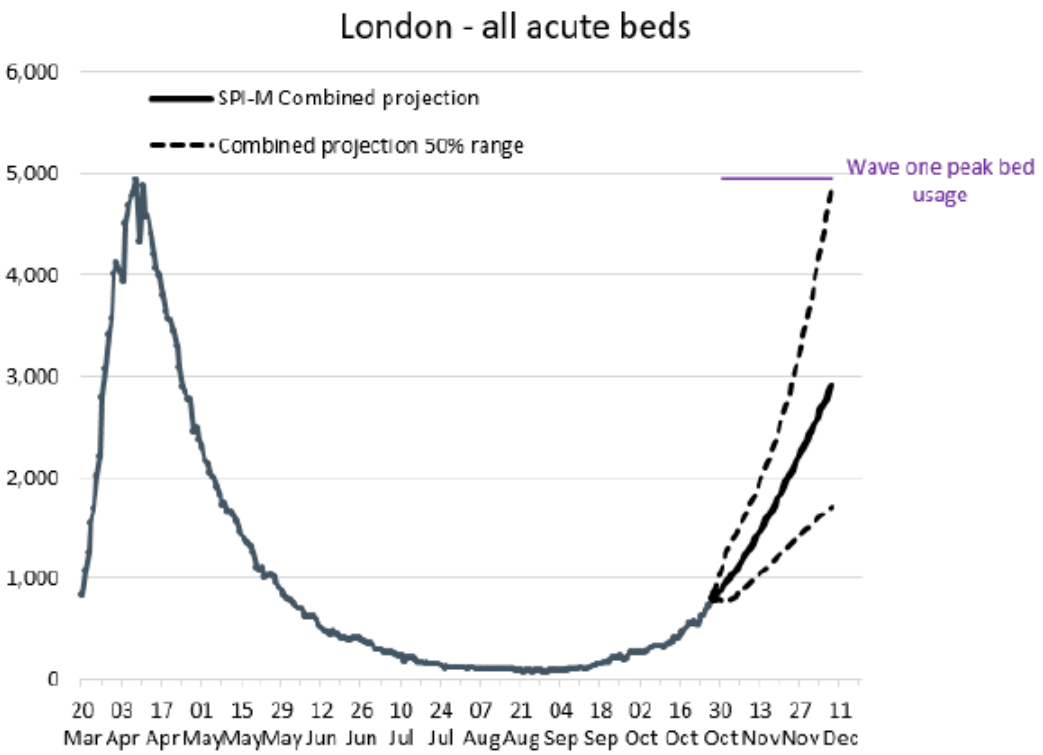
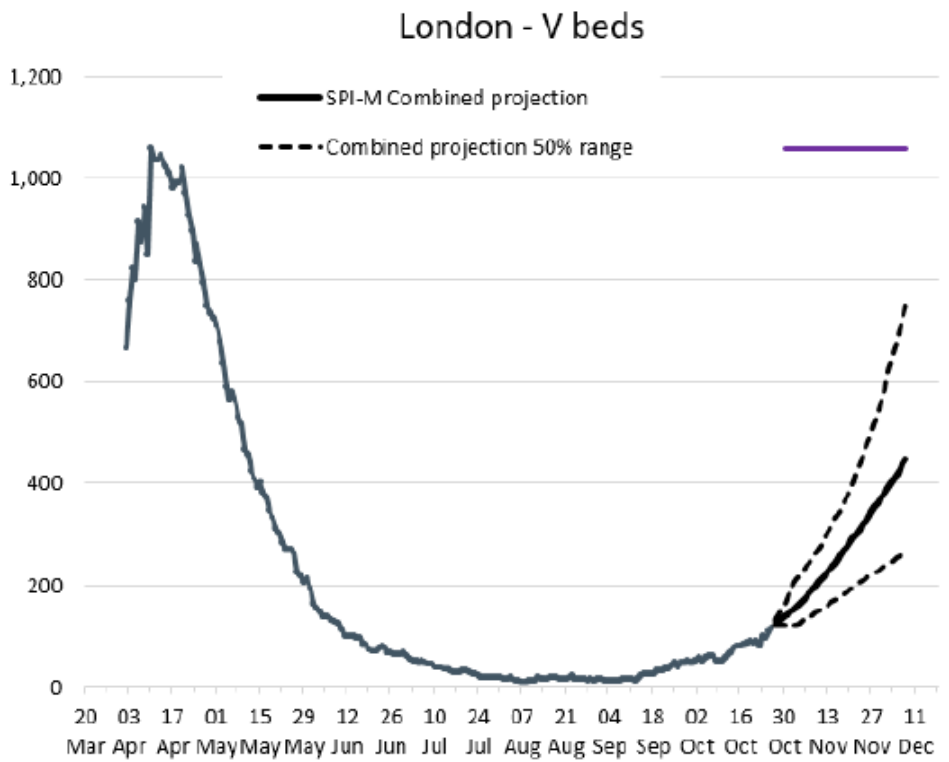
London regional summary – case rate and positivity rising



NHS Region London - new SPI M combined projection bed usage

Not projected to exceed previous peak in next six weeks





Epi Summary Table: London (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Hammersmith and Fulha	579.0 ↓	6.0% ↑	221.5 ↑	90.3 ↓	386.1 ↑	410	High
Ealing	322.1 ↓	10.1% ↑	206.0 ↑	127.3 ↓	276.6 ↓	704	High
Havering	318.2 ↓	9.3% ↑	186.1 ↑	175.0 ↑	341.0 ↑	483	High
Hillingdon	353.5 ↓	8.2% ↑	183.1 ↑	91.6 ↓	427.1 ↑	562	High
Hounslow	326.9 ↓	8.6% ↑	181.6 ↑	139.2 ↑	294.6 ↓	493	High
Tower Hamlets	250.0 ↓	11.2% ↑	177.4 ↑	125.7 ↑	268.1 ↑	576	High
Redbridge	296.7 ↓	9.8% ↑	176.9 ↑	136.5 ↓	327.1 ↑	540	High
Newham	261.1 ↓	10.5% ↑	172.7 ↑	145.8 ↑	252.4 ↓	610	High
Kingston upon Thames	331.4 ↓	7.8% ↓	165.1 ↓	97.3 ↑	260.8 ↓	293	High
Hackney	286.5 ↓	8.6% ↓	162.9 ↓	115.2 ↑	229.8 ↓	458	High
Waltham Forest	291.7 ↓	8.3% ↑	159.2 ↑	91.6 ↑	220.7 →	441	High
Barking and Dagenham	282.1 ↓	8.9% ↑	153.1 ↑	129.8 ↓	226.4 ↓	326	High
Richmond upon Thames	315.7 ↓	7.3% ↓	151.0 ↓	98.8 ↑	362.8 ↓	299	High
Lambeth	330.6 ↓	6.9% ↑	149.7 ↑	86.1 ↑	241.6 ↓	488	High
Merton	299.5 ↓	7.7% ↑	149.6 ↑	97.9 ↑	259.1 ↓	309	High
Enfield	304.8 ↓	7.8% →	148.9 ↓	100.0 ↓	269.0 ↓	497	High
Westminster	254.4 ↓	8.9% ↑	146.9 ↑	93.3 →	426.7 ↑	384	High
Harrow	305.8 ↓	7.3% ↑	146.1 ↑	72.8 ↓	285.6 ↓	367	High
Barnet	311.9 ↓	6.9% ↑	144.7 ↑	94.9 ↑	284.0 ↓	573	High
Islington	283.3 ↓	7.4% ↑	140.6 ↑	80.3 ↑	221.0 ↑	341	High
Wandsworth	304.2 ↓	7.0% ↑	140.4 ↓	55.8 ↓	305.0 ↓	463	High
Haringey	295.0 ↑	7.3% ↓	140.0 ↓	97.2 ↑	262.6 ↓	376	High
Bexley	292.5 ↑	7.0% ↑	135.7 ↑	96.7 ↑	176.1 ↓	337	High
Kensington and Chelsea	305.8 ↓	7.0% ↓	132.6 ↓	66.4 ↑	284.1 ↓	207	High
Brent	287.0 ↓	6.6% ↑	125.5 ↑	80.0 ↑	161.2 ↓	414	High

Source: JSAT daily tables (PHE)

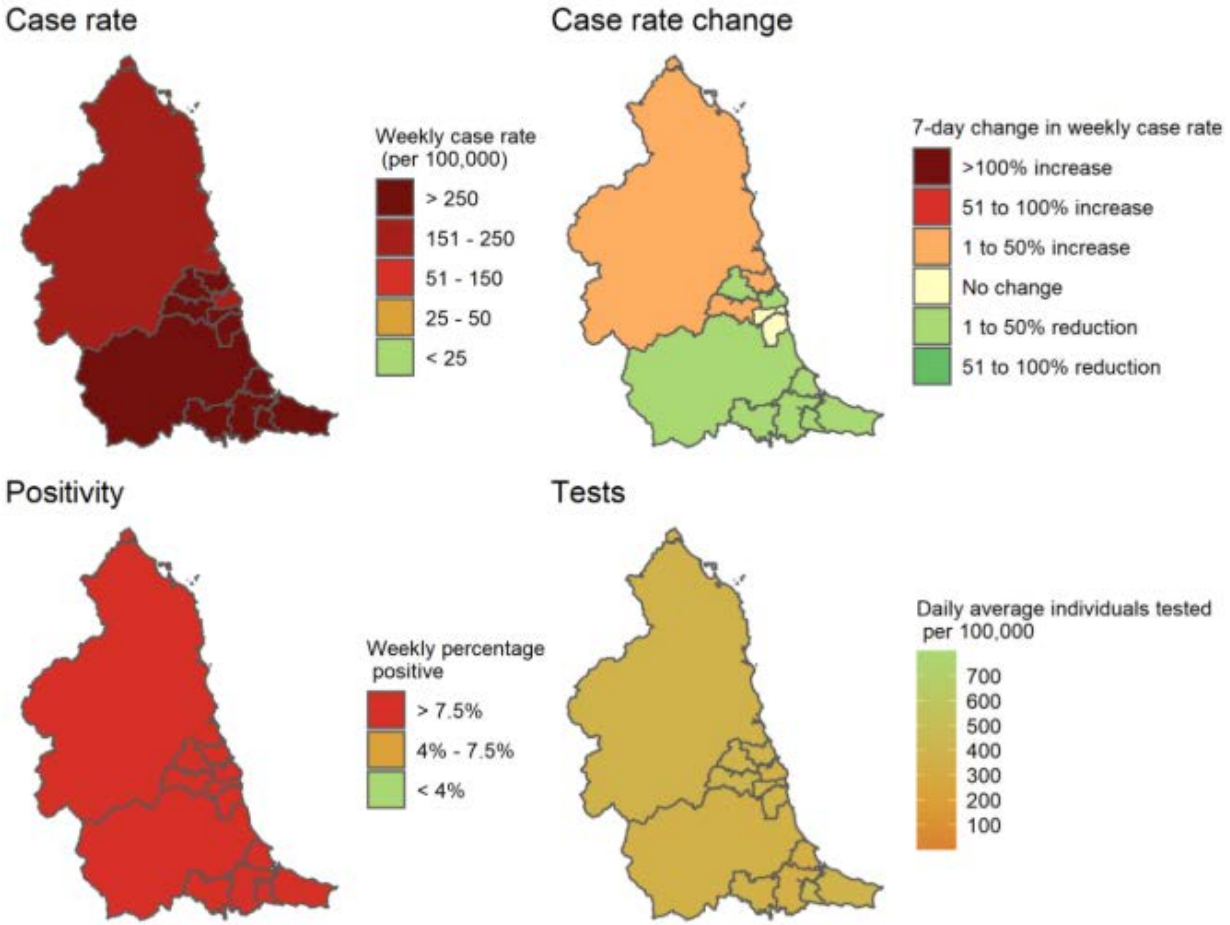
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: London (Table 2 of 2)

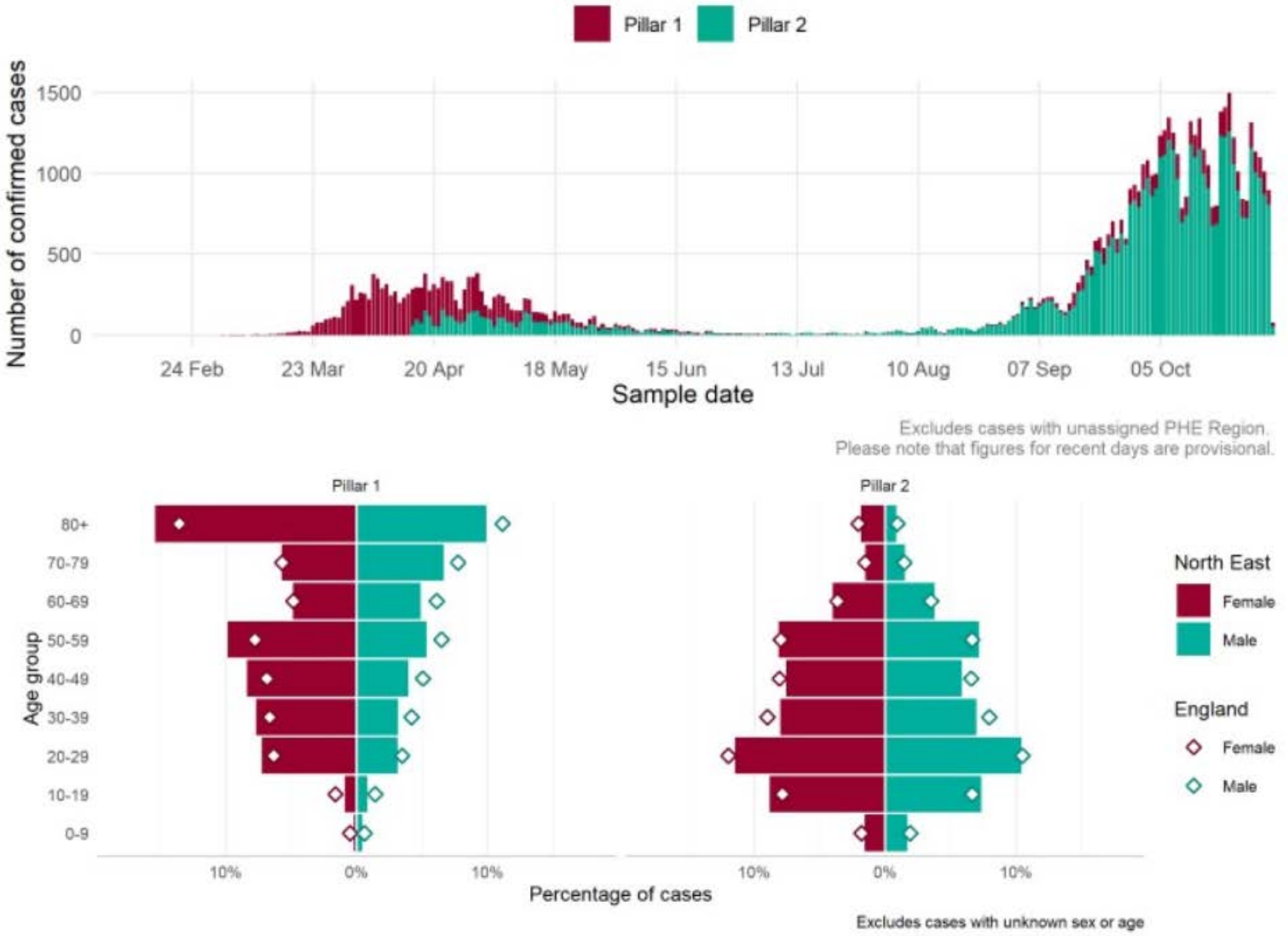
	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Southwark	295.7 ↓	6.5% →	124.8 ↓	85.2 ↑	213.4 ↓	398	High
Croydon	309.2 ↑	6.1% ↑	122.8 ↑	91.9 ↑	264.1 ↑	475	High
Sutton	315.5 ↓	6.1% ↑	121.2 ↑	83.9 ↑	291.1 →	250	High
Greenwich	288.1 ↓	6.3% ↑	120.2 ↑	90.3 ↑	165.6 ↓	346	High
Bromley	270.2 ↓	6.5% ↑	120.1 ↑	78.4 ↑	295.4 ↓	399	High
Camden	245.0 ↓	7.3% ↓	111.8 ↓	53.2 →	258.0 ↓	302	High
Lewisham	278.1 ↓	5.7% ↑	106.6 ↑	65.2 ↑	197.3 ↓	326	High
City of London +	255.7 ↓	8.6% ↑	102.9 ↓	46.0 →	0.0 ↓	10	High

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

North East England regional summary – case rate and positivity rising

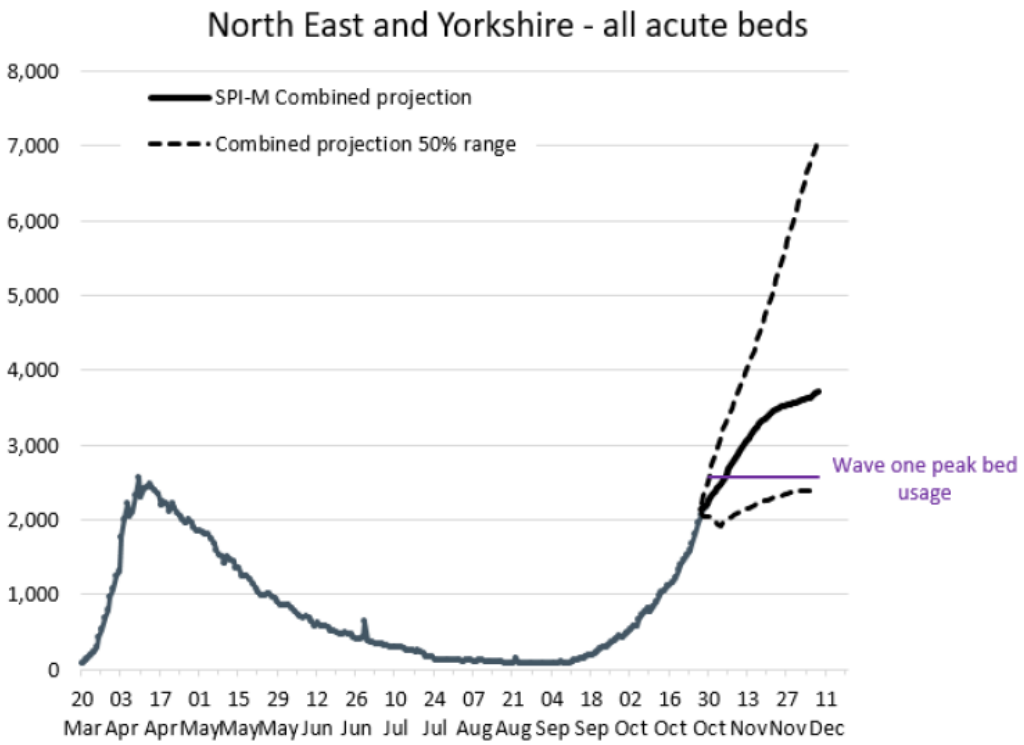


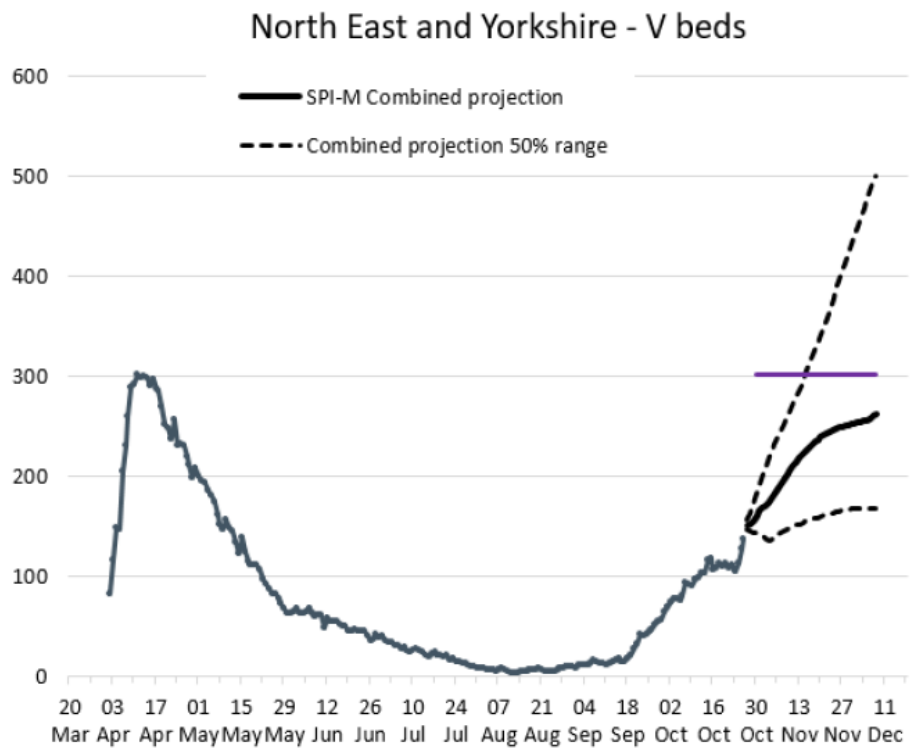
North East England regional summary – case rate and positivity rising



NHS Region North East & Yorkshire - new SPI M combined projection bed usage

Exceeds previous peak on circa 05/11/2020



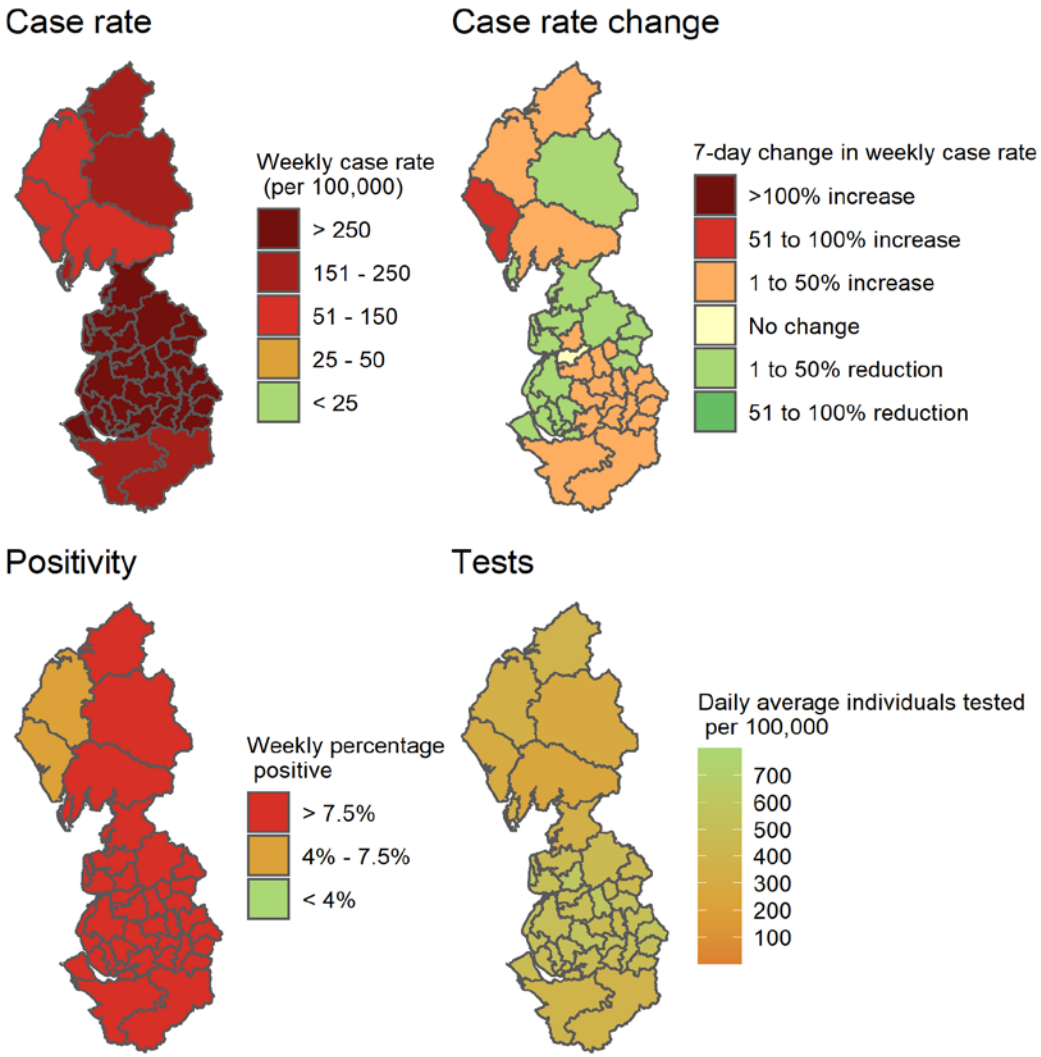


Epi Summary Table: North East (Table 1)

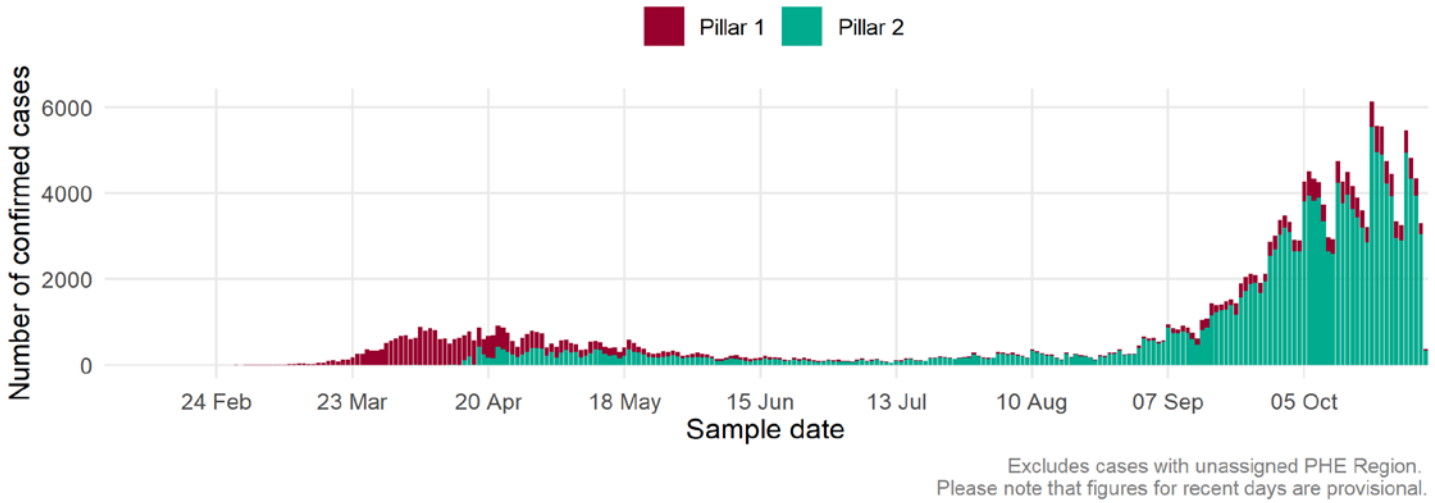
	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Stockton-on-Tees	344.9 ↓	16.7% ↓	381.1 ↓	262.4 ↓	480.6 ↓	752	High
Gateshead	414.0 ↑	13.4% ↑	366.7 ↑	304.6 ↑	394.2 ↑	741	High
Sunderland	383.1 ↓	12.7% ↑	313.6 ↑	281.8 ↑	338.8 ↓	871	High
Hartlepool	341.7 ↓	13.3% ↓	301.1 ↓	223.8 ↓	365.3 ↓	282	High
Middlesbrough	429.0 ↓	11.5% ↓	300.8 ↓	195.5 ↓	338.7 ↓	424	High
Newcastle upon Tyne	401.0 ↓	11.6% ↓	289.9 ↓	199.7 ↓	416.0 ↓	878	High
North Tyneside	403.5 ↓	10.6% ↑	281.8 ↑	216.8 ↑	287.1 ↓	586	High
County Durham	362.2 ↓	10.8% ↓	261.7 ↓	164.3 ↓	552.6 ↓	1387	High
Darlington	355.0 ↓	10.8% ↓	253.7 ↓	189.2 ↑	235.9 ↓	271	High
Redcar and Cleveland	392.0 ↓	9.9% ↓	250.1 ↓	189.7 ↓	386.5 ↓	343	High
South Tyneside	340.5 ↓	10.1% ↓	217.3 ↓	176.6 ↑	308.2 ↓	328	High
Northumberland	380.9 ↓	7.8% ↑	190.7 ↑	126.9 ↑	258.1 ↓	615	High

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

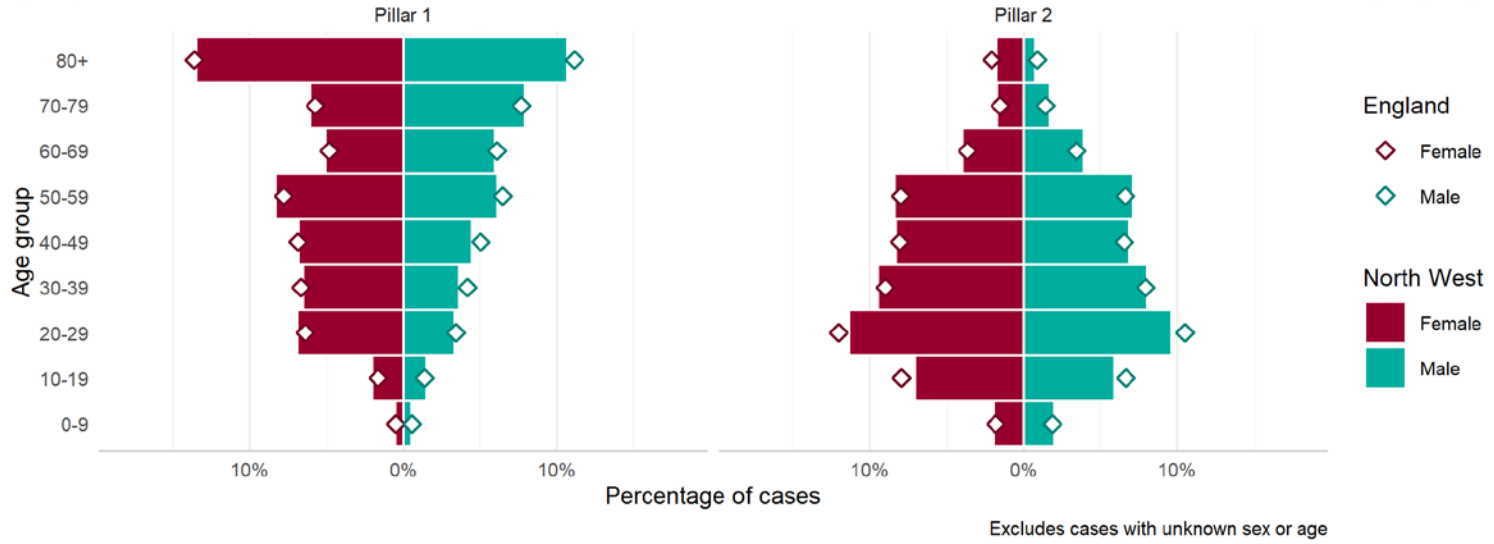
North West regional summary – case rate and positivity rising



North West regional summary – case rate and positivity rising



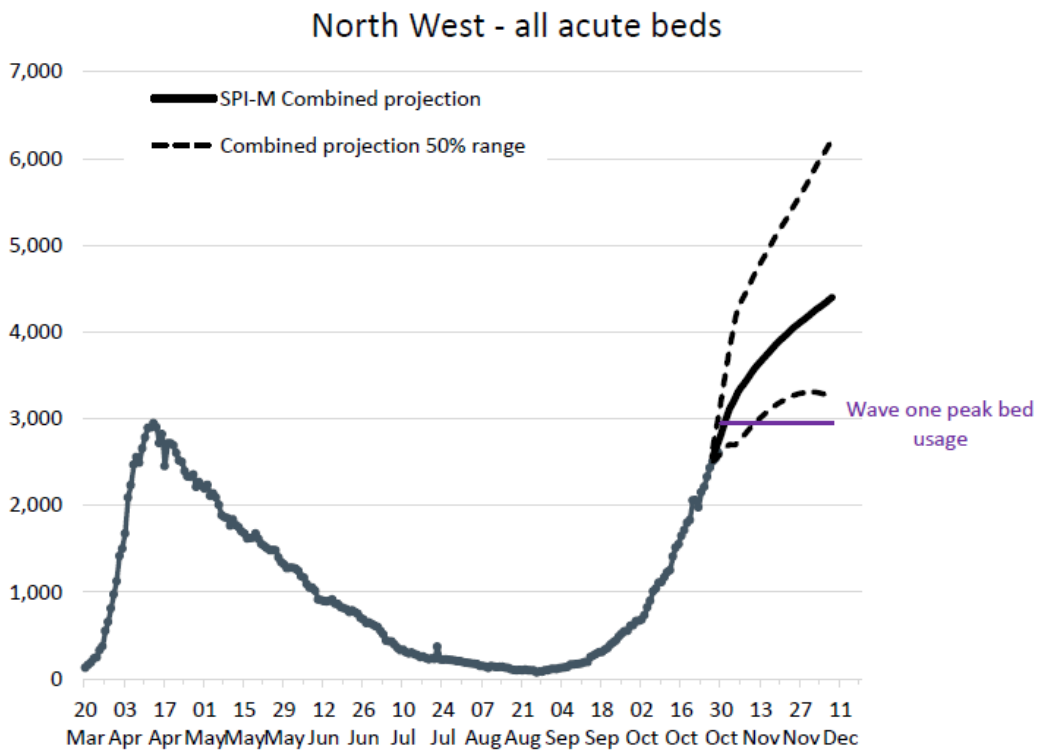
Excludes cases with unassigned PHE Region.
Please note that figures for recent days are provisional.

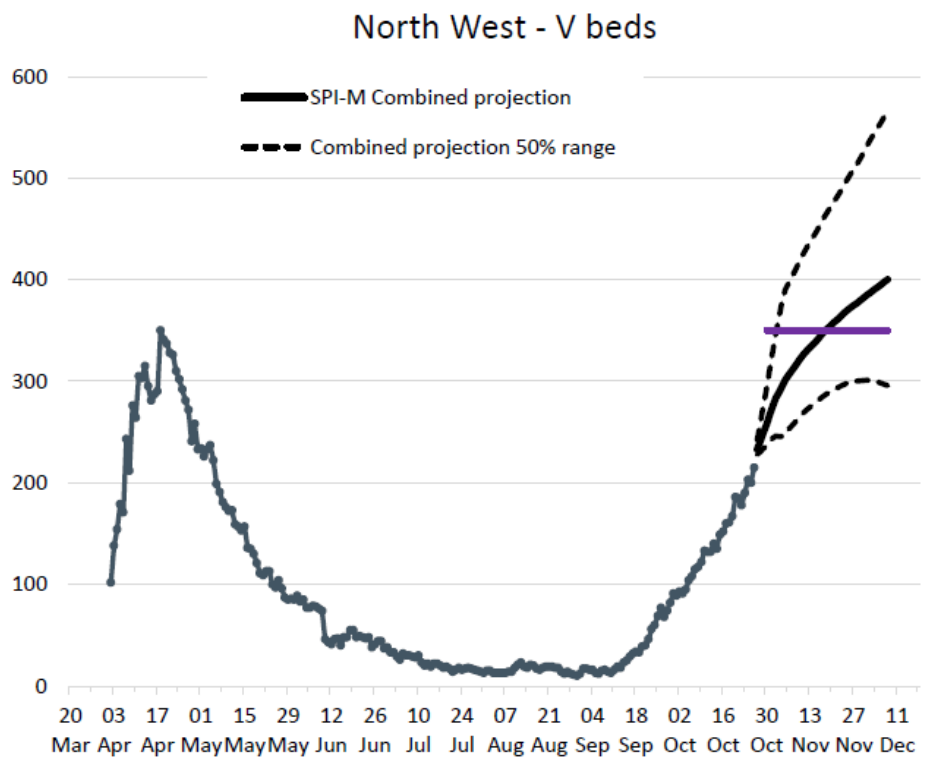


Excludes cases with unknown sex or age

NHS Region North West - new SPI M combined projection bed usage

Was projected to exceed previous peak on circa 01/11/2020





Epi Summary Table: North West (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Blackburn with Darwen	564.8 ↓	20.1% ↑	742.2 ↑	561.2 ↑	994.3 ↓	1111	Very High
Oldham	548.4 ↑	19.4% ↑	695.9 ↑	629.3 ↑	758.5 ↑	1650	Very High
Wigan	554.0 ↑	18.5% ↑	666.0 ↑	512.2 ↓	857.5 ↑	2189	Very High
Salford	532.9 ↑	17.6% ↑	617.0 ↑	543.7 ↑	640.9 ↑	1597	Very High
Rochdale	516.0 ↑	17.2% ↑	580.0 ↓	575.9 ↑	592.3 ↓	1290	Very High
Bolton	446.7 ↑	18.9% ↑	550.9 ↑	384.2 ↑	619.7 ↓	1584	Very High
Tameside	522.4 ↑	15.9% ↑	534.7 ↑	403.8 ↑	662.3 ↑	1211	Very High
Bury	457.2 ↓	18.2% ↑	533.0 ↑	431.8 →	553.3 ↓	1018	Very High
Rossendale	503.0 ↓	16.1% ↓	533.0 ↓	446.8 ↑	642.5 ↓	381	Very High
Hyndburn	476.1 ↑	15.7% ↑	503.4 ↑	293.3 ↑	432.8 ↓	408	Very High
Manchester	510.5 ↑	14.6% ↓	478.6 ↓	415.9 ↑	420.2 ↓	2646	Very High
Knowsley	518.8 ↓	14.2% ↓	449.4 ↓	393.5 ↓	475.0 ↓	678	Very High
Stockport	473.6 ↑	14.3% ↑	447.5 ↑	354.4 ↑	514.2 ↓	1313	Very High
Warrington	476.6 ↑	14.4% ↑	447.1 ↑	326.8 ↑	560.4 ↓	939	Very High
Preston	575.8 ↑	11.9% ↓	445.7 ↓	308.9 ↓	509.7 ↑	638	Very High
Pendle	434.6 ↓	15.8% ↑	436.4 ↓	314.0 ↓	620.3 ↓	402	Very High
St. Helens	513.6 ↓	12.4% ↓	411.4 ↓	347.7 ↓	510.1 ↑	743	Very High
Blackpool	597.1 ↓	11.0% ↓	409.5 ↓	362.2 ↓	263.2 ↓	571	Very High
Ribble Valley	448.1 ↓	14.1% ↓	407.3 ↓	326.1 ↑	572.6 ↓	248	Very High
Trafford	473.5 ↑	13.3% ↓	404.5 ↑	298.3 ↑	534.2 ↓	960	Very High
Liverpool	451.4 ↓	13.8% ↓	388.1 ↓	403.5 ↓	376.5 ↓	1933	Very High
West Lancashire	500.8 ↓	12.7% ↓	380.6 ↓	261.5 ↓	532.9 ↓	435	Very High
Wyre	441.4 ↓	13.0% ↑	377.4 ↓	272.2 ↓	730.8 ↑	423	Very High
South Ribble	477.2 ↑	11.5% ↓	371.9 ↓	235.3 ↑	529.7 ↓	412	Very High

Source: JSAT daily tables (PHE)

Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

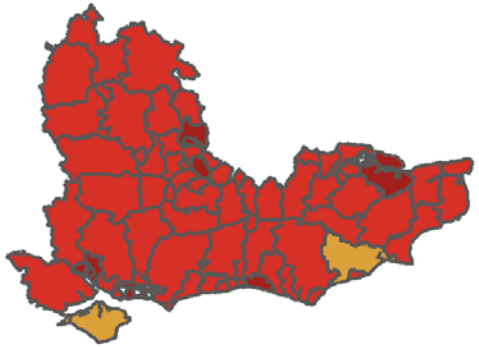
Epi Summary Table: North West (Table 2 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Burnley	427.4 ↓	13.2% ↓	362.1 ↓	255.9 ↓	642.3 ↑	322	Very High
Chorley	486.8 ↑	10.6% ↓	337.5 ↓	196.3 ↓	413.8 ↓	399	Very High
Fylde	483.7 ↓	10.4% ↓	330.5 ↓	253.2 ↓	419.8 ↑	267	Very High
Sefton	514.5 ↓	10.5% ↓	326.3 ↓	311.6 ↓	322.2 ↓	902	Very High
Halton	421.3 ↓	11.1% ↓	288.2 ↓	166.0 ↓	194.8 ↓	373	Very High
Lancaster	328.1 ↓	12.2% ↓	266.4 ↓	127.9 ↓	480.0 ↓	389	Very High
Wirral	485.5 ↑	8.4% ↓	257.1 ↓	159.5 ↓	299.5 ↓	833	Very High
Carlisle	401.2 ↑	8.9% ↑	238.3 ↑	189.9 →	187.7 ↓	259	High
Barrow-in-Furness	333.9 ↓	10.7% ↑	235.6 ↓	186.2 ↓	315.6 →	158	High
Cheshire West and Ches	391.1 ↓	9.1% ↑	229.4 ↑	177.2 ↑	307.9 ↓	787	High
Cheshire East	377.7 ↓	8.7% ↑	218.9 ↑	121.7 ↑	278.7 ↓	841	High
Eden	273.6 ↓	8.3% ↓	157.7 ↓	86.7 ↓	319.5 ↓	84	Medium
Copeland	299.4 ↑	7.6% ↑	154.0 ↑	112.4 ↑	262.3 ↓	105	Medium
South Lakeland	245.4 ↓	7.8% ↑	129.4 ↓	74.0 ↓	272.4 ↓	136	Medium
Allerdale	348.5 ↑	4.7% ↑	109.5 ↑	71.1 ↑	179.9 →	107	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

South East England regional summary – case rate and positivity rising

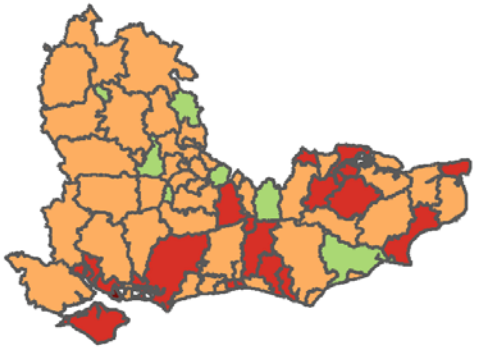
Case rate



Weekly case rate (per 100,000)

- > 250
- 151 - 250
- 51 - 150
- 25 - 50
- < 25

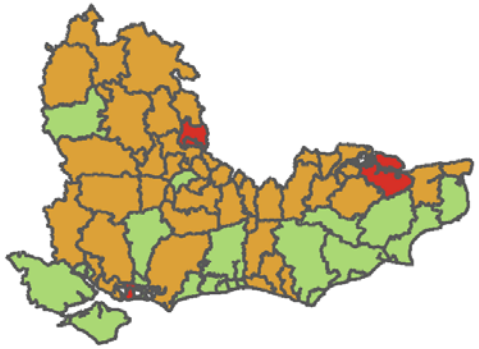
Case rate change



7-day change in weekly case rate

- >100% increase
- 51 to 100% increase
- 1 to 50% increase
- No change
- 1 to 50% reduction
- 51 to 100% reduction

Positivity



Weekly percentage positive

- > 7.5%
- 4% - 7.5%
- < 4%

Tests

Daily average individuals tested per 100,000

- 700
- 600
- 500
- 400
- 300
- 200
- 100

Produced by Outbreak Surveillance Team, PHE

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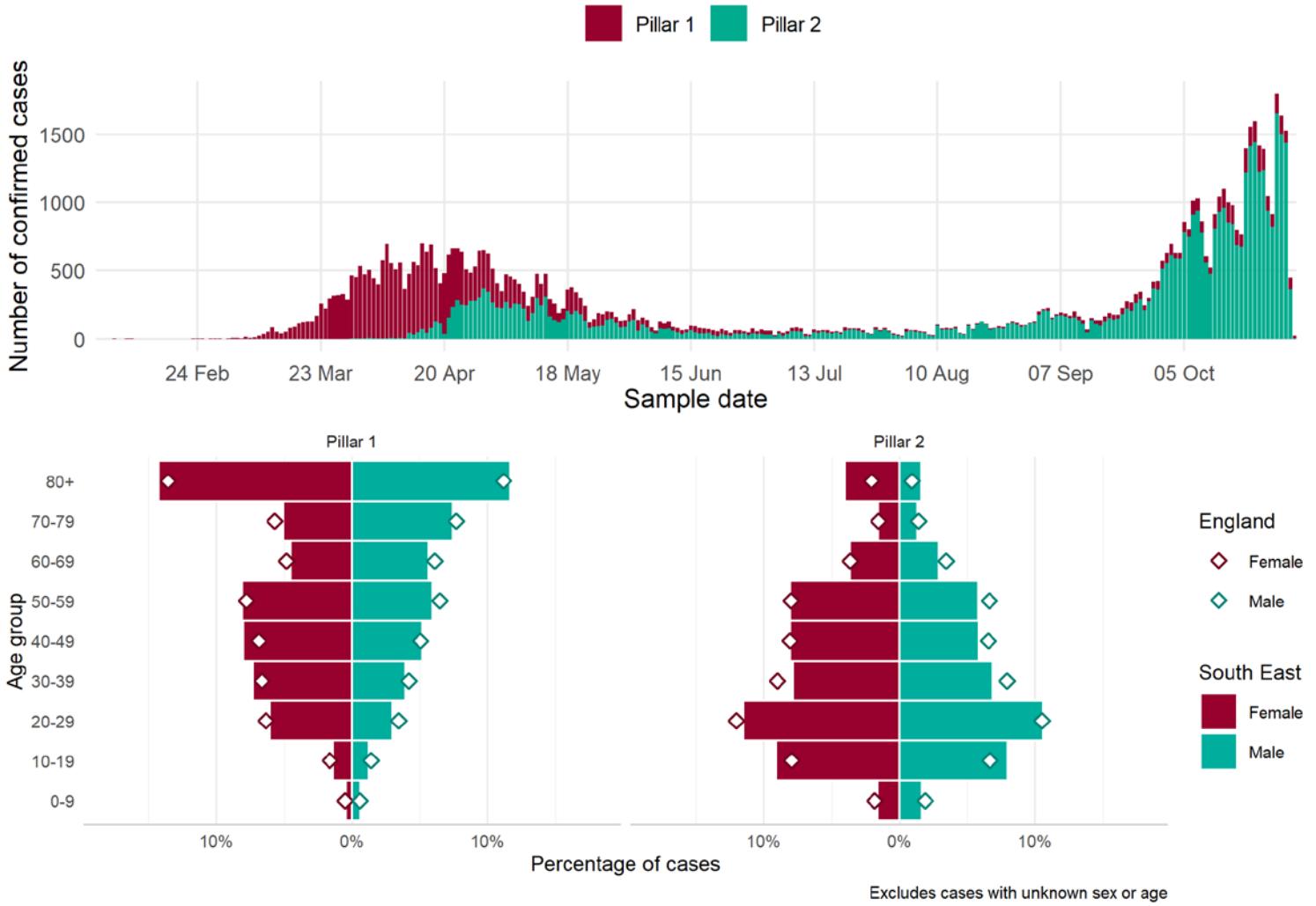
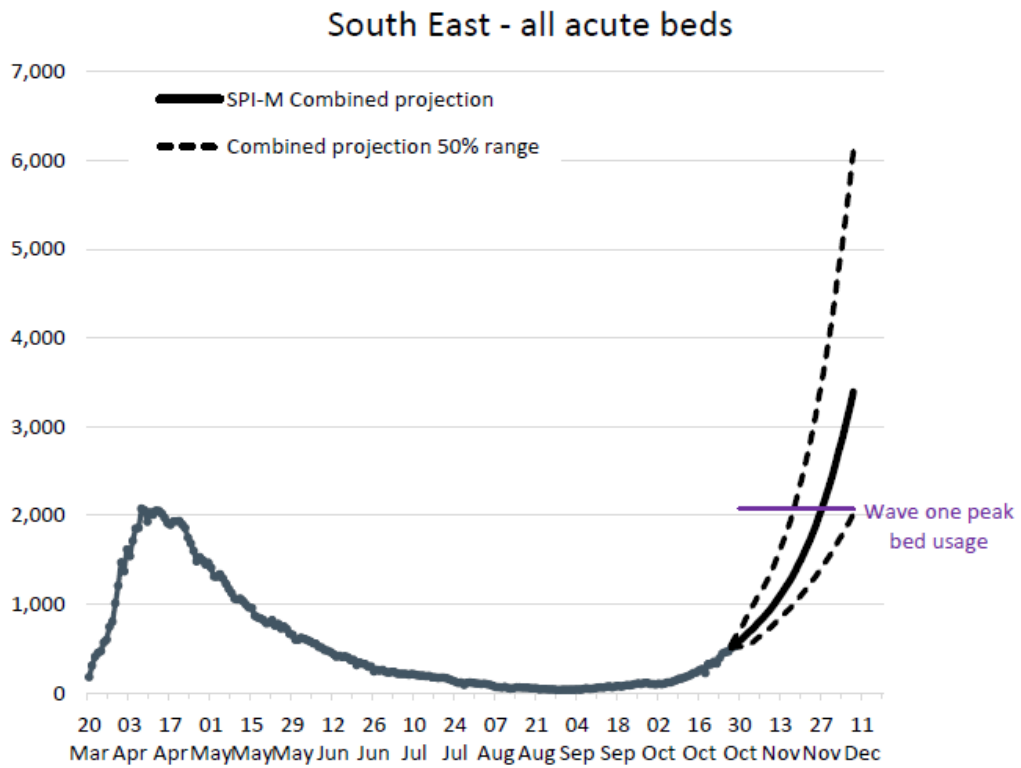
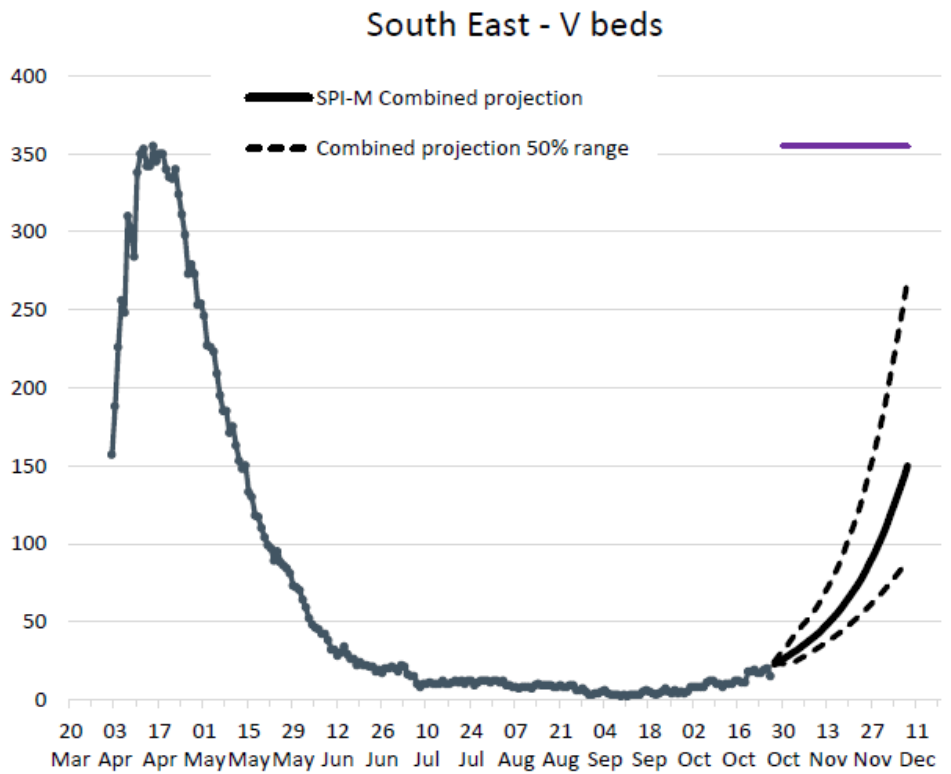
South East England regional summary – case rate and positivity rising



South East - new SPI M combined projection bed usage

Exceeds previous peak on circa 28/11/2020





Epi Summary Table: South East (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Portsmouth	380.6 ↑	8.3% ↑	206.1 ↑	111.5 ↑	582.2 ↓	443	Medium
South Bucks	362.2 ↓	8.2% ↑	188.8 ↑	170.8 ↑	390.5 ↓	133	Medium
Slough	354.7 ↓	8.2% ↑	187.2 ↑	153.6 ↑	368.0 ↑	280	High
Swale	291.6 ↓	9.3% ↑	179.9 ↑	138.3 ↑	241.0 ↑	270	Medium
Brighton and Hove	320.3 ↓	7.5% ↑	157.8 ↑	95.5 ↑	526.0 ↓	459	Medium
Southampton	618.9 ↑	3.8% ↑	154.4 ↑	82.3 ↑	304.2 ↑	390	Medium
Runnymede	364.6 ↑	6.7% ↑	154.3 ↑	158.7 ↑	460.8 ↑	138	Medium
Thanet	373.1 ↑	6.1% ↑	154.3 ↑	56.0 ↑	156.3 ↑	219	Medium
Mole Valley	326.8 ↓	6.9% ↑	147.9 ↑	79.5 ↑	664.0 ↑	129	Medium
Eastleigh	362.7 ↓	6.0% ↑	144.5 ↑	85.2 ↑	373.4 ↑	193	Medium
Windsor and Maidenhe	329.4 ↓	6.7% ↑	142.6 ↑	109.6 ↑	443.5 ↓	216	Medium
Winchester	328.7 ↓	6.2% ↑	136.2 ↑	73.4 ↑	393.3 ↑	170	Medium
Crawley	303.7 ↓	6.6% ↑	136.1 ↑	99.8 ↑	352.7 ↑	153	Medium
Fareham	348.8 ↑	5.7% ↑	135.9 ↑	102.8 ↑	340.6 ↑	158	Medium
Cherwell	354.2 ↑	5.8% →	135.5 ↑	38.9 ↑	293.2 ↓	204	medium
Spelthorne	342.8 ↓	6.3% ↑	134.2 ↑	83.0 ↑	381.2 ↑	134	Medium
Epsom and Ewell	331.2 ↓	6.2% ↑	130.2 ↑	58.2 ↓	343.3 ↓	105	Medium
Waverley	374.2 ↓	5.4% ↑	129.0 ↑	110.1 ↑	309.3 ↓	163	Medium
Woking	339.0 ↓	6.0% ↑	126.0 ↑	56.8 ↓	304.2 →	127	Medium
Reading	331.9 ↑	5.9% ↑	123.0 ↑	84.7 →	377.4 ↑	199	Medium
Rushmoor	404.6 ↓	4.8% ↑	122.6 ↓	69.4 ↓	264.5 ↑	116	Medium
Gosport	396.0 ↑	4.7% ↑	122.6 ↑	93.1 ↑	218.9 ↑	104	Medium
Oxford	349.2 ↓	5.5% ↓	121.3 ↓	36.0 ↓	256.9 ↓	185	High
Dartford	270.1 ↓	6.9% ↑	117.2 ↑	85.3 ↓	253.7 ↑	132	Medium

Source: JSAT daily tables (PHE)

Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: South East (Table 2 of 3)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Chichester	378.7 ↓	4.5% ↑	116.4 ↑	64.8 ↑	463.5 ↑	141	Medium
Elmbridge	355.1 ↓	5.2% ↓	116.2 ↓	91.8 ↑	400.1 ↓	159	High
Guildford	365.9 ↓	4.8% ↑	114.8 ↓	83.5 ↑	226.2 ↓	171	Medium
Medway	251.5 ↑	7.0% ↑	113.8 ↑	97.2 ↑	196.5 ↑	317	Medium
West Oxfordshire	339.4 ↓	4.9% ↑	108.5 ↑	51.9 ↑	321.7 ↓	120	medium
Test Valley	314.8 ↓	5.1% ↑	106.2 ↑	62.5 ↓	384.0 ↑	134	Medium
Havant	379.0 ↑	4.3% ↑	105.4 ↑	60.5 ↑	216.7 ↑	133	Medium
Aylesbury Vale	286.2 ↑	5.6% ↑	103.3 ↑	83.5 ↑	255.5 ↓	210	Medium
South Oxfordshire	303.4 ↓	5.1% ↑	102.1 ↑	28.7 ↓	337.9 ↓	145	Medium
Eastbourne	419.4 ↓	3.5% ↑	101.2 ↑	93.2 ↑	213.1 →	105	Medium
Wycombe	303.9 ↓	4.9% ↑	99.8 ↓	44.9 ↓	204.5 ↓	174	Medium
Hart	275.3 ↓	5.5% ↑	98.9 ↑	40.7 ↓	351.2 ↑	96	Medium
Tandridge	292.4 ↓	5.2% ↑	98.7 ↑	46.5 ↓	176.5 ↓	87	Medium
Maidstone	295.4 ↑	4.9% ↑	97.2 ↑	51.7 ↑	308.7 ↑	167	Medium
Gravesham	245.8 ↓	6.1% ↑	96.3 ↓	90.6 ↓	214.4 ↑	103	Medium
Reigate and Banstead	356.4 ↑	4.1% ↑	96.1 ↑	42.8 ↓	330.3 ↓	143	Medium
New Forest	399.6 ↑	3.9% ↑	95.5 ↑	49.0 ↑	318.2 ↓	172	Medium
Bracknell Forest	250.6 ↓	6.3% ↑	93.0 →	89.4 ↓	253.6 ↓	114	Medium
Sevenoaks	272.7 ↓	4.9% ↑	91.9 ↑	93.7 ↑	301.2 →	111	Medium
Mid Sussex	287.0 ↓	4.8% ↑	90.7 ↑	65.4 ↑	322.5 ↑	137	Medium
Chiltern	311.0 ↓	4.5% ↑	90.6 ↓	60.0 ↑	324.3 ↓	87	Medium
West Berkshire	234.4 ↓	5.8% ↑	89.6 ↑	37.3 ↓	277.4 ↑	142	Medium
Basingstoke and Deane	280.6 ↓	4.7% ↑	88.9 ↑	56.6 ↑	205.2 ↓	157	Medium
Canterbury	321.1 ↓	4.2% ↑	87.7 ↑	37.0 ↑	280.9 ↑	145	Medium

Source: JSAT daily tables (PHE)

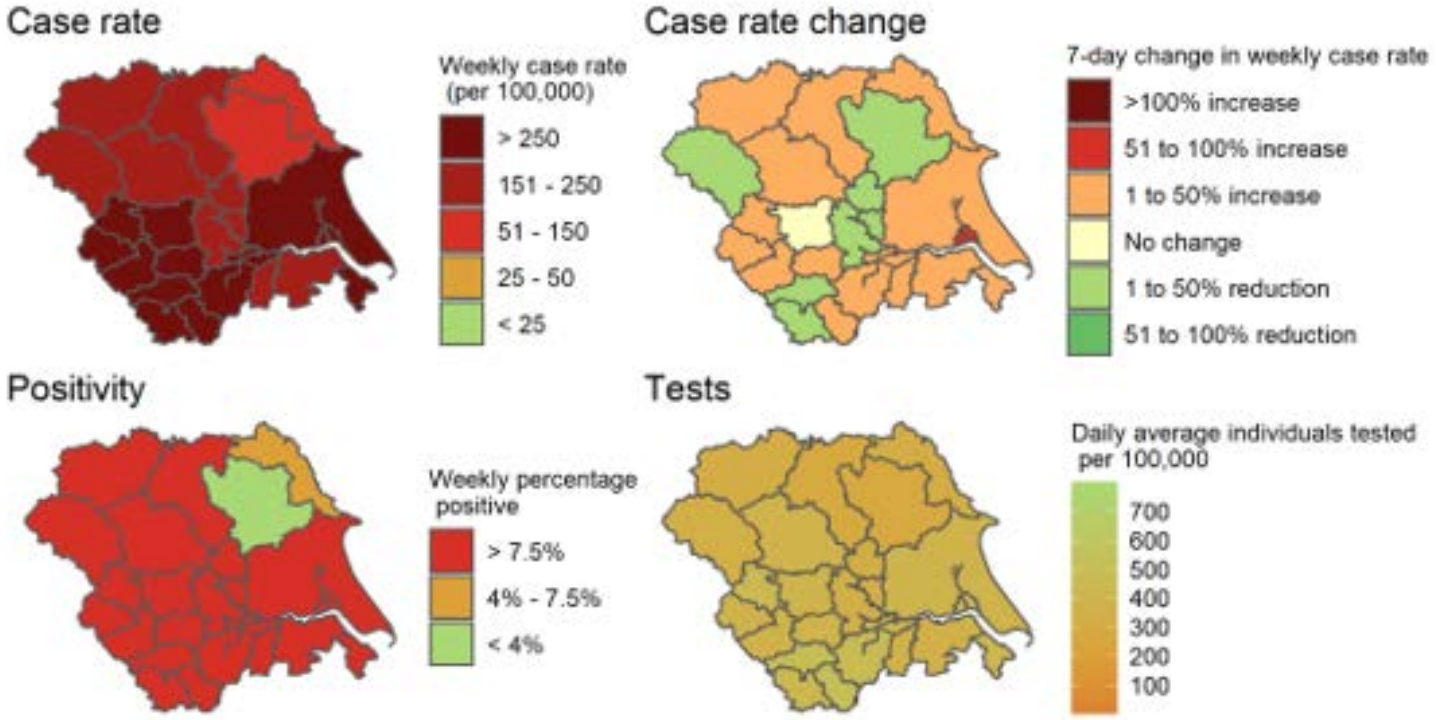
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: South East (Table 3 of 3)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Surrey Heath	360.4 ↑	3.7% ↓	86.2 ↑	57.1 ↑	193.7 ↓	77	Medium
Worthing	412.0 ↓	3.1% ↑	85.0 ↑	63.6 ↓	184.4 ↓	94	Medium
Wokingham	266.8 ↓	4.7% ↓	83.0 ↓	78.5 ↑	364.2 ↓	142	Medium
Vale of White Horse	301.8 ↓	4.1% ↓	82.3 ↓	36.9 →	223.1 ↓	112	Medium
Lewes	303.4 ↓	4.0% ↑	82.3 ↑	36.0 ↓	373.1 ↑	85	Medium
Tonbridge and Malling	242.7 ↓	4.9% ↑	81.0 ↑	46.4 ↑	208.0 ↑	107	Medium
Arun	406.7 ↓	2.9% ↑	80.9 ↑	22.8 →	338.3 ↓	130	Medium
East Hampshire	359.3 ↓	3.4% ↑	80.9 ↑	46.3 ↑	244.3 ↓	99	Medium
Adur	333.7 ↓	3.6% ↑	73.1 ↑	21.1 ↓	251.1 ↑	47	Medium
Horsham	308.9 ↓	3.4% ↑	71.6 ↑	19.1 ↓	305.1 ↑	103	Medium
Dover	354.3 ↓	3.1% ↑	71.1 ↑	49.9 ↓	145.4 ↑	84	Medium
Wealden	336.2 ↓	3.1% ↑	65.6 ↓	46.8 →	237.6 ↓	106	Medium
Folkestone and Hythe	354.4 ↓	2.5% ↑	62.8 ↑	16.9 ↓	155.9 ↓	71	Medium
Hastings	420.3 ↑	2.0% ↑	56.1 ↑	24.4 ↓	215.1 ↑	52	Medium
Ashford	270.2 ↓	3.3% ↓	55.4 ↓	9.3 ↓	110.3 ↓	72	Medium
Tunbridge Wells	296.6 ↑	2.7% ↑	54.7 ↑	16.8 ↓	186.3 ↓	65	Medium
Rother	364.9 ↓	1.8% ↑	43.7 ↑	21.1 ↑	76.7 ↓	42	Medium
Isle of Wight	357.8 ↓	1.6% ↑	43.0 ↑	25.7 ↑	94.8 ↑	61	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Yorkshire & The Humber regional summary – case rate and positivity rising



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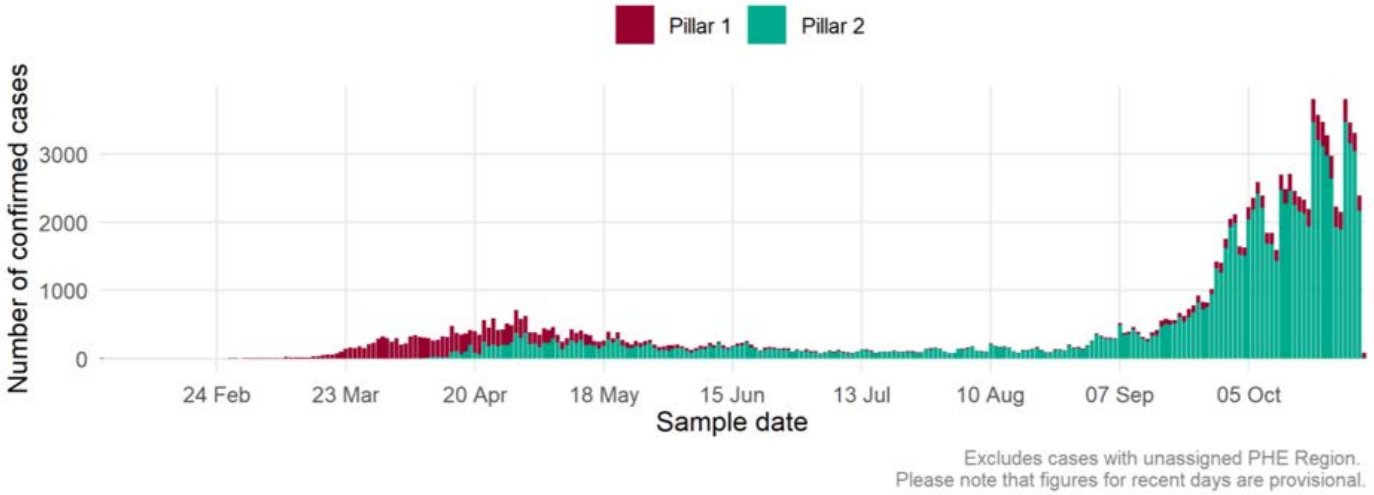
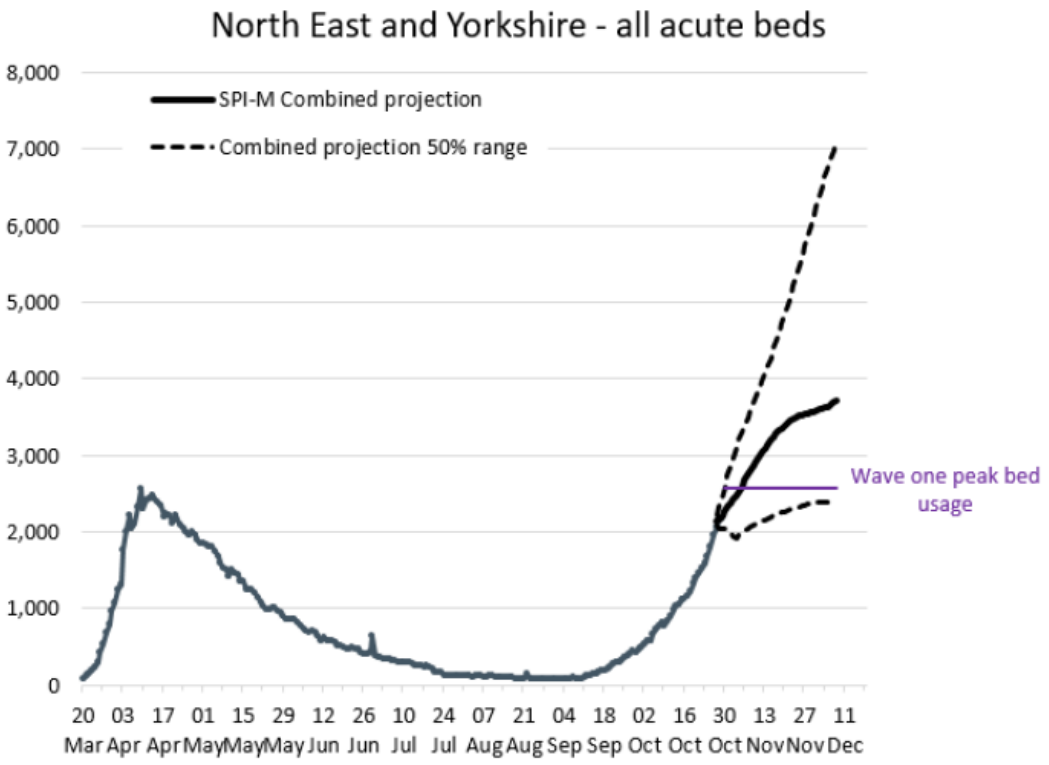
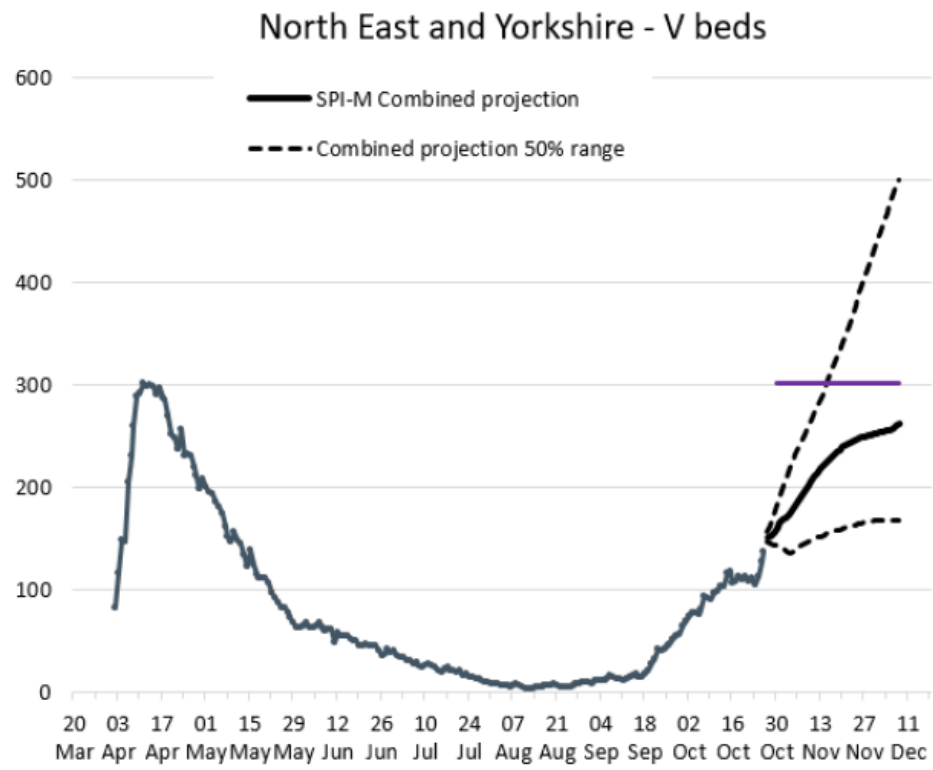
Yorkshire & The Humber regional summary – case rate and positivity rising



NHS Region North East and Yorkshire - new SPI M combined projection bed usage

Exceeds previous peak on circa 05/11/2020





Epi Summary Table: Yorkshire & The Humber

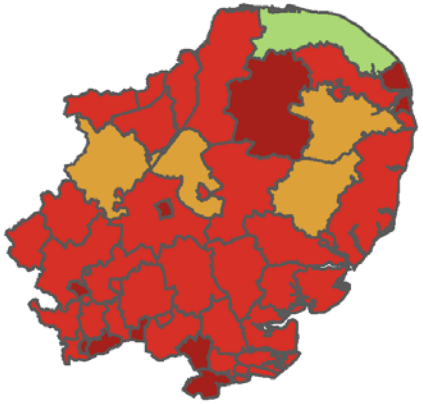
	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Doncaster	463.5 ↑	18.0% ↑	548.3 ↑	546.6 ↑	742.7 ↓	1710	Very High
Rotherham	500.4 ↓	15.6% ↑	516.2 ↑	372.2 ↑	570.4 ↓	1370	Very High
Bradford	451.8 ↓	17.4% ↑	511.5 ↑	417.7 ↑	648.7 ↑	2761	Very High
Barnsley	487.5 ↓	15.5% ↑	496.6 ↓	468.5 ↑	484.1 ↓	1226	Very High
Kirklees	380.9 ↓	17.3% ↑	435.9 ↑	258.2 ↑	483.5 ↓	1917	Very High
Wakefield	399.5 ↓	16.0% ↑	434.1 ↑	285.8 ↓	642.6 ↑	1512	Very High
Leeds	392.8 ↓	16.4% ↑	419.1 ↑	414.3 ↑	425.5 ↓	3324	Very High
Sheffield	435.6 ↓	14.3% ↓	409.0 ↓	403.7 ↑	415.7 ↓	2392	Very High
Calderdale	383.7 ↓	15.5% ↑	395.4 ↓	336.8 ↑	593.9 ↓	836	Very High
North East Lincolnshire	436.6 ↑	13.5% ↑	390.4 ↑	368.2 ↑	531.4 ↑	623	High
Kingston upon Hull, City of	446.0 ↑	11.9% ↑	357.2 ↑	338.8 ↑	360.8 ↑	928	High
East Riding of Yorkshire	396.2 ↑	10.3% ↑	274.9 ↑	202.3 ↑	422.9 ↓	938	High
Harrogate	390.1 ↓	9.6% ↑	253.1 ↑	137.7 ↑	511.9 ↑	407	Medium
North Lincolnshire	366.1 ↓	9.4% ↑	223.5 ↑	181.5 ↑	419.7 ↑	385	High
Selby	334.7 ↓	9.6% ↑	216.3 →	152.6 ↑	260.6 ↓	196	Medium
York	311.5 ↓	10.1% ↓	201.8 ↓	88.8 ↓	476.4 ↓	425	High
Craven	336.0 ↓	8.6% ↑	185.5 ↑	130.4 ↑	362.0 ↑	106	Medium
Hambleton	273.6 ↓	10.4% ↑	183.4 ↑	130.3 ↓	371.9 ↑	168	Medium
Richmondshire	353.9 ↑	7.7% ↑	161.9 ↑	59.7 ↓	219.8 ↓	87	Medium
Scarborough	337.2 ↓	6.3% ↑	140.7 ↑	86.8 ↑	306.1 ↑	153	Medium
Ryedale	267.2 ↓	5.0% ↑	97.5 ↑	41.9 ↓	500.2 ↑	54	Medium

Source: JSAT daily tables (PHE)

Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

East of England regional summary – case rate and positivity rising

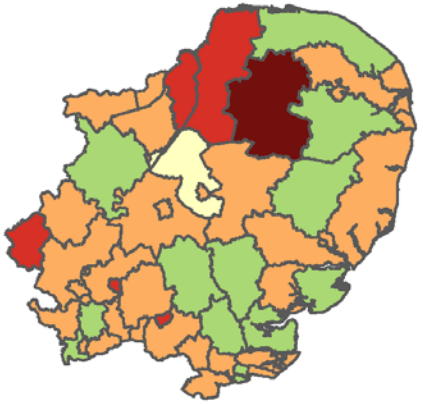
Case rate



Weekly case rate (per 100,000)

- > 250
- 151 - 250
- 51 - 150
- 25 - 50
- < 25

Case rate change



7-day change in weekly case rate

- >100% increase
- 51 to 100% increase
- 1 to 50% increase
- No change
- 1 to 50% reduction
- 51 to 100% reduction

Positivity

Weekly percentage positive

- > 7.5%
- 4% - 7.5%
- < 4%

Tests

Daily average individuals tested per 100,000

- 700
- 600
- 500
- 400
- 300
- 200
- 100

Produced by Outbreak Surveillance Team, PHE

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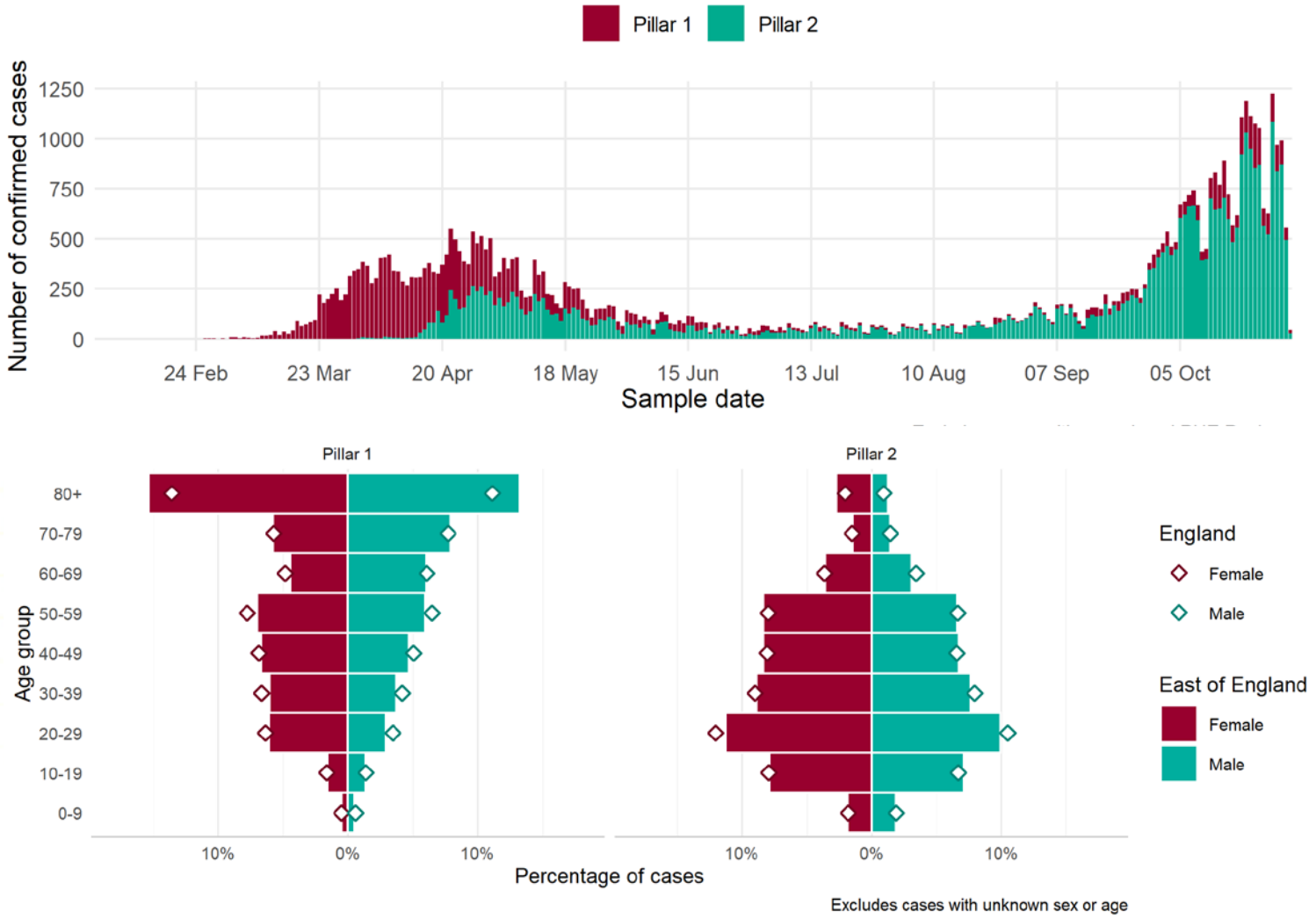
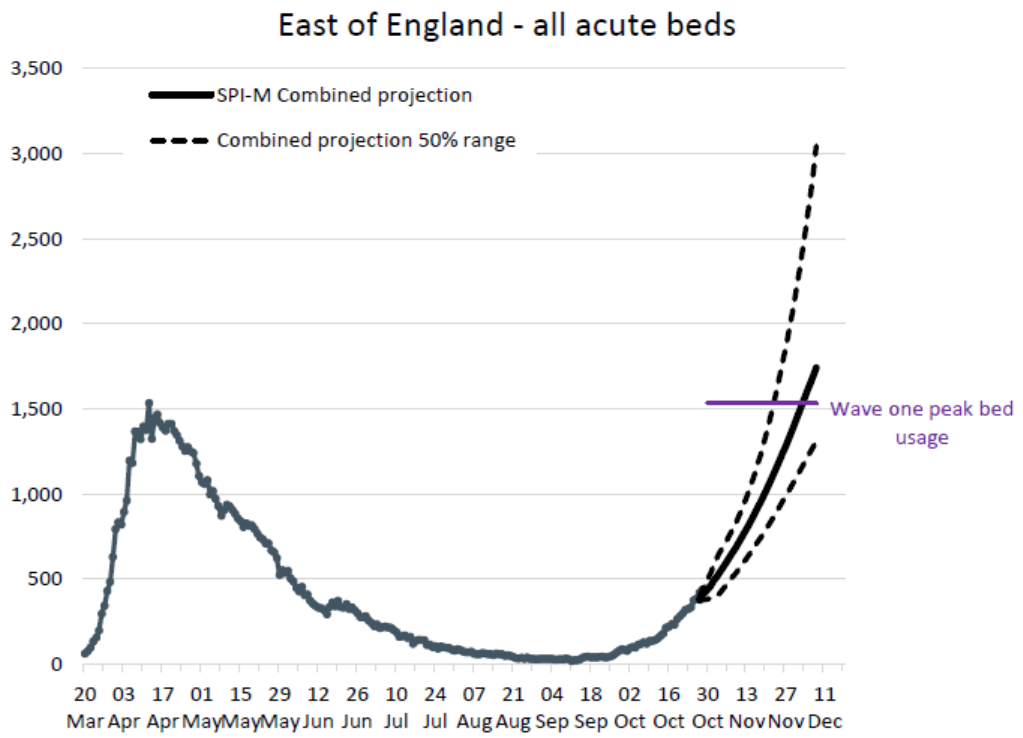
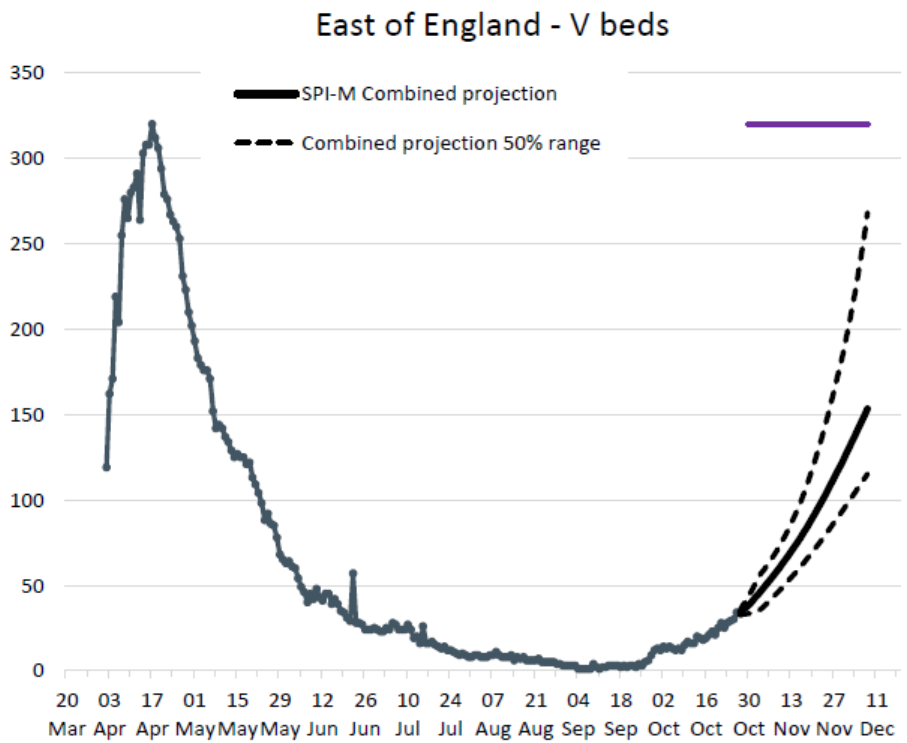
East of England regional summary – case rate and positivity rising



East of England - new SPI M combined projection bed usage

Exceeds previous peak on circa 04/12/2020





Epi Summary Table: East of England (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Brentwood	363.4 ↓	9.0% ↑	203.8 ↑	224.6 ↑	224.5 ↓	157	High
Breckland	445.6 ↑	6.5% ↑	197.2 ↑	74.8 ↑	478.6 ↑	276	Medium
Luton	394.7 ↓	7.6% ↑	188.7 ↑	102.2 ↑	329.4 ↑	402	High
Broxbourne	294.3 ↓	9.3% ↑	184.0 ↑	110.6 ↑	440.9 ↑	179	Medium
Great Yarmouth	433.0 ↓	6.0% ↑	167.1 ↑	104.3 ↑	199.3 →	166	Medium
Cambridge	400.3 ↑	6.4% ↓	165.1 ↓	51.1 ↑	533.0 ↓	206	Medium
Hertsmere	411.3 ↑	5.9% ↑	156.3 ↑	104.2 ↑	455.4 ↑	164	Medium
Thurrock	312.7 ↑	8.6% ↑	155.4 ↑	184.1 ↑	273.5 ↑	271	Medium
Epping Forest	321.4 ↓	7.3% ↑	147.3 ↑	110.5 ↑	262.0 →	194	High
Watford	358.4 ↓	6.5% ↑	146.0 ↓	145.6 ↑	173.5 ↓	141	Medium
Basildon	306.5 ↓	7.4% ↑	143.7 ↑	120.9 ↓	179.3 ↓	269	High
Peterborough	306.4 ↓	6.9% ↑	139.4 ↑	70.5 ↑	339.4 →	282	Medium
Colchester	353.3 ↓	5.8% ↑	124.3 ↑	153.4 ↑	132.1 ↓	242	High
Welwyn Hatfield	318.5 ↓	5.7% ↑	115.4 ↑	55.9 ↑	327.8 ↑	142	Medium
Norwich	318.3 ↓	5.6% ↑	113.1 ↑	22.0 ↓	323.4 ↓	159	Medium
Stevenage	378.1 ↑	4.7% ↑	112.7 ↑	49.1 →	119.2 ↓	99	Medium
Milton Keynes	283.5 ↑	5.9% ↑	109.9 ↑	46.2 ↓	209.2 ↓	296	Medium
Three Rivers	346.1 ↓	5.0% ↓	109.3 ↓	67.7 ↑	403.7 ↓	102	Medium
East Hertfordshire	283.9 ↓	5.5% ↑	100.2 ↓	42.0 ↑	302.6 ↓	150	Medium
Bedford	406.3 ↓	4.1% ↑	97.5 ↑	76.3 ↓	238.7 ↓	169	Medium
North Hertfordshire	322.6 ↓	4.6% ↑	96.6 ↑	81.8 ↑	210.7 ↓	129	Medium
Harlow	268.1 ↓	5.3% ↑	96.5 ↑	49.9 →	188.0 ↑	84	High
Dacorum	292.1 ↓	4.7% ↑	94.3 ↓	55.8 →	318.4 ↓	146	Medium

Source: JSAT daily tables (PHE)

Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Epi Summary Table: East of England (Table 2 of 2)

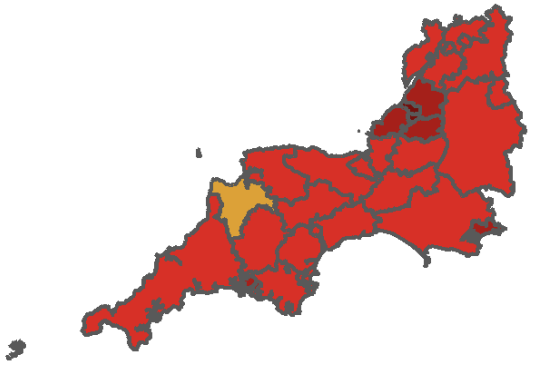
	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Chelmsford	255.9	5.5%	94.2	45.3	328.3	168	High
Southend-on-Sea	374.6	3.7%	91.7	52.8	147.9	168	Medium
Babergh	317.9	4.1%	89.1	52.7	168.4	82	Medium
West Suffolk	319.7	4.1%	88.8	39.7	221.7	159	Medium
King's Lynn and West Norfolk	289.6	4.4%	88.5	50.2	106.5	134	Medium
St Albans	314.9	4.2%	86.9	67.1	245.5	129	Medium
Ipswich	310.6	4.5%	86.2	39.5	70.3	118	Medium
Rochford	257.4	5.1%	85.8	54.5	234.7	75	High
Central Bedfordshire	291.5	4.4%	83.1	49.9	170.3	240	Medium
Fenland	295.3	4.3%	77.6	70.5	104.7	79	Medium
Castle Point	295.7	4.4%	74.1	49.0	157.7	67	High
Tendring	384.1	3.1%	63.5	61.1	75.8	93	High
Uttlesford	268.1	3.5%	62.4	34.1	213.4	57	High
Broadland	294.3	3.3%	61.9	49.7	247.0	81	Medium
Maldon	292.2	3.3%	61.6	28.4	198.9	40	High
Braintree	311.0	3.0%	60.9	54.8	235.6	93	High
South Cambridgeshire	309.5	3.2%	60.3	27.4	342.7	96	Medium
South Norfolk	282.8	2.7%	49.0	23.5	163.3	69	Medium
Huntingdonshire	266.8	2.7%	47.8	8.6	223.3	85	Medium
East Suffolk	330.3	2.3%	47.3	40.9	108.0	118	Medium
Mid Suffolk	297.4	2.4%	43.3	18.4	151.4	45	Medium
East Cambridgeshire	262.7	2.2%	37.8	21.2	202.7	34	Medium
North Norfolk	302.9	1.4%	24.8	18.6	50.6	26	Medium

Source: JSAT daily tables (PHE)

Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Southwest England regional summary – case rate and positivity rising

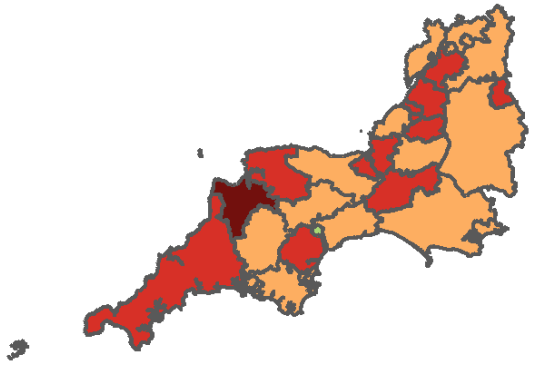
Case rate



Weekly case rate (per 100,000)

- > 250
- 151 - 250
- 51 - 150
- 25 - 50
- < 25

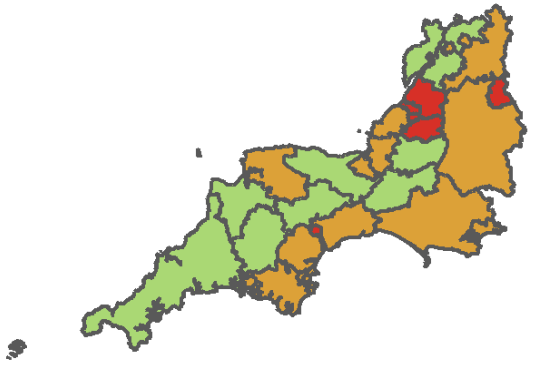
Case rate change



7-day change in weekly case rate

- >100% increase
- 51 to 100% increase
- 1 to 50% increase
- No change
- 1 to 50% reduction
- 51 to 100% reduction

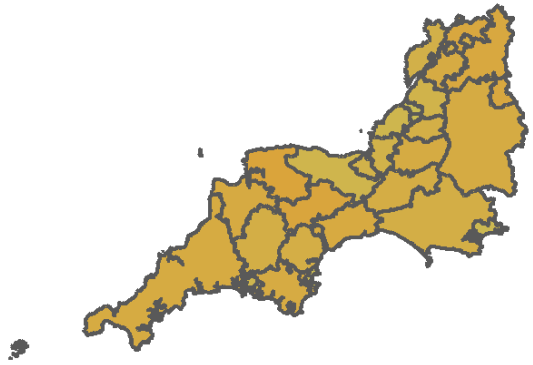
Positivity



Weekly percentage positive

- > 7.5%
- 4% - 7.5%
- < 4%

Tests



Daily average individuals tested per 100,000

- 700
- 600
- 500
- 400
- 300
- 200
- 100

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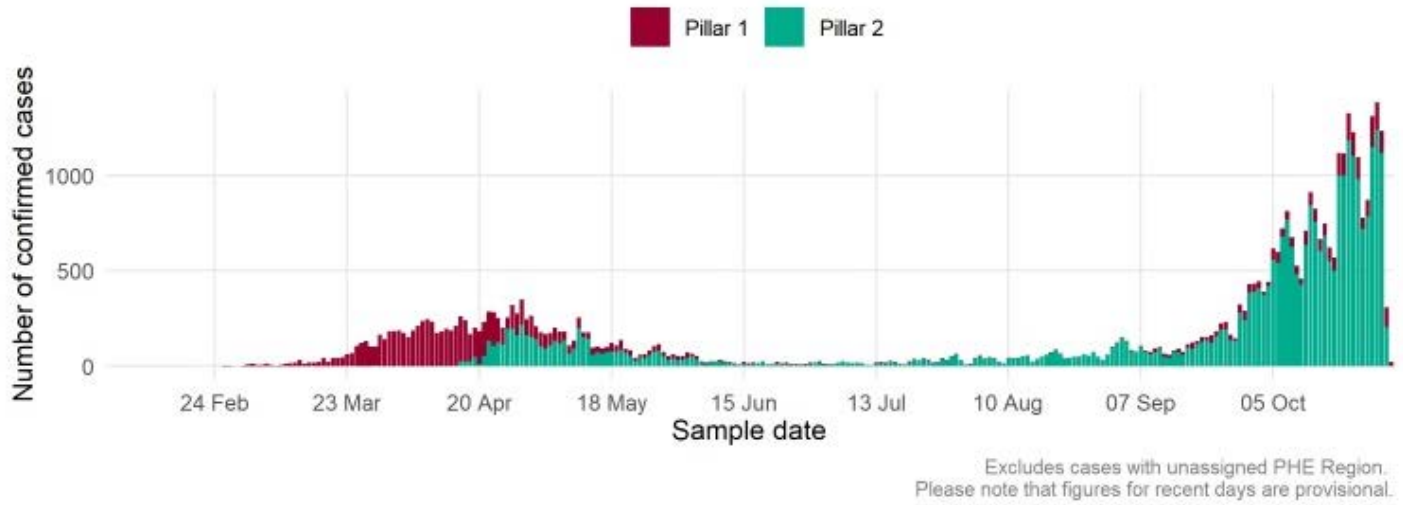
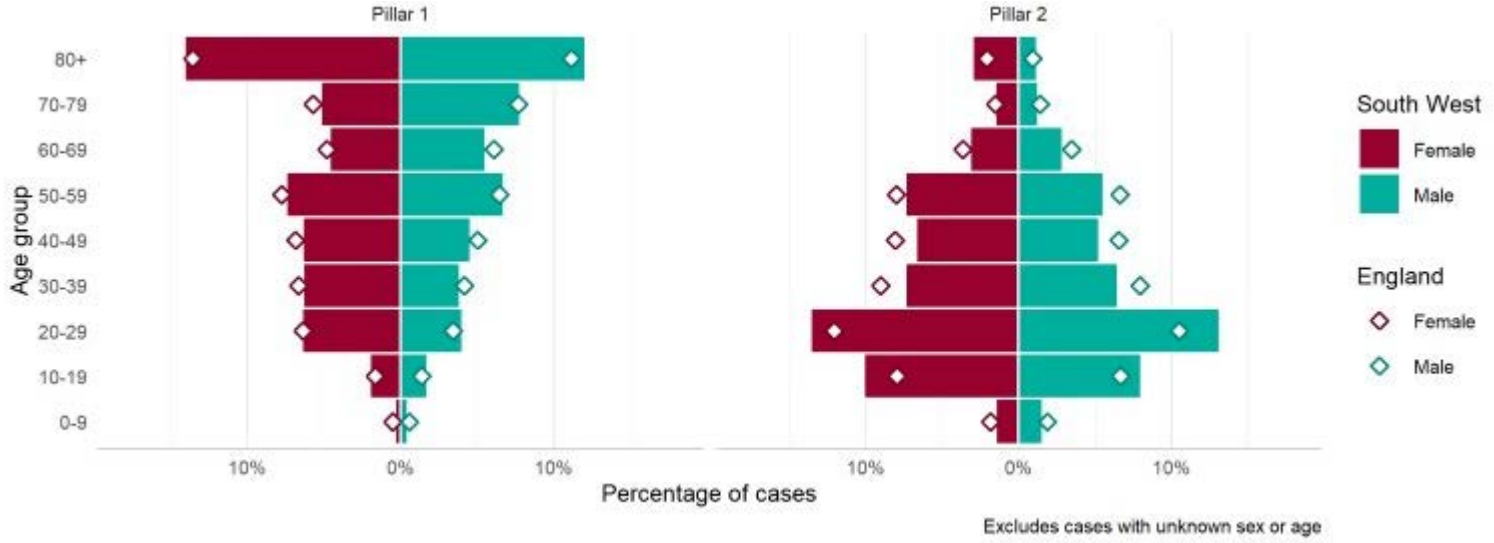
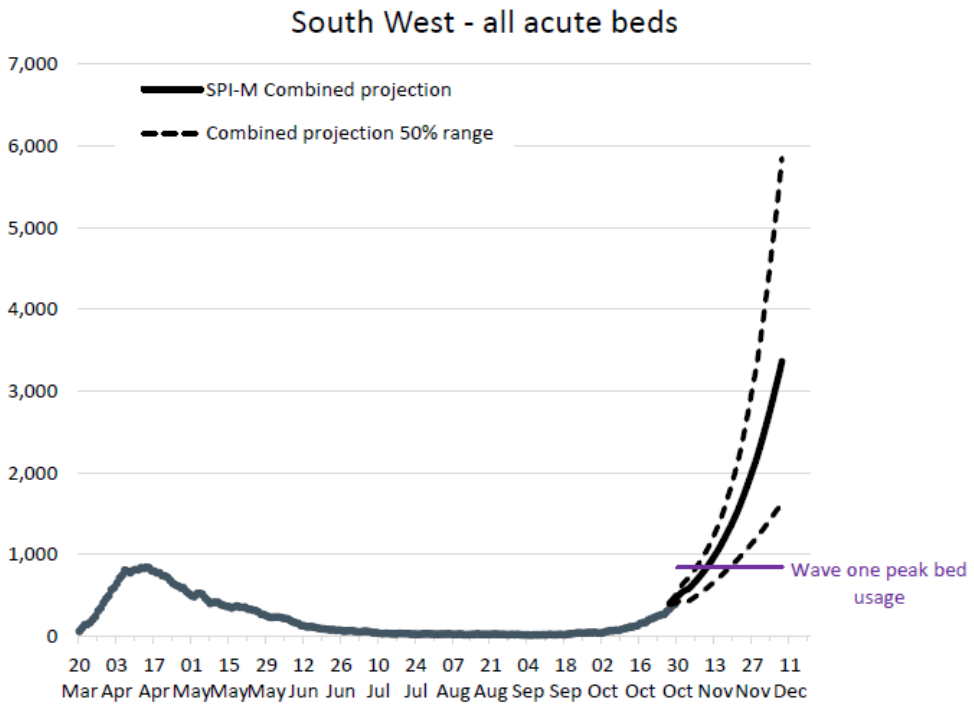
Southwest England regional summary – case rate and positivity rising

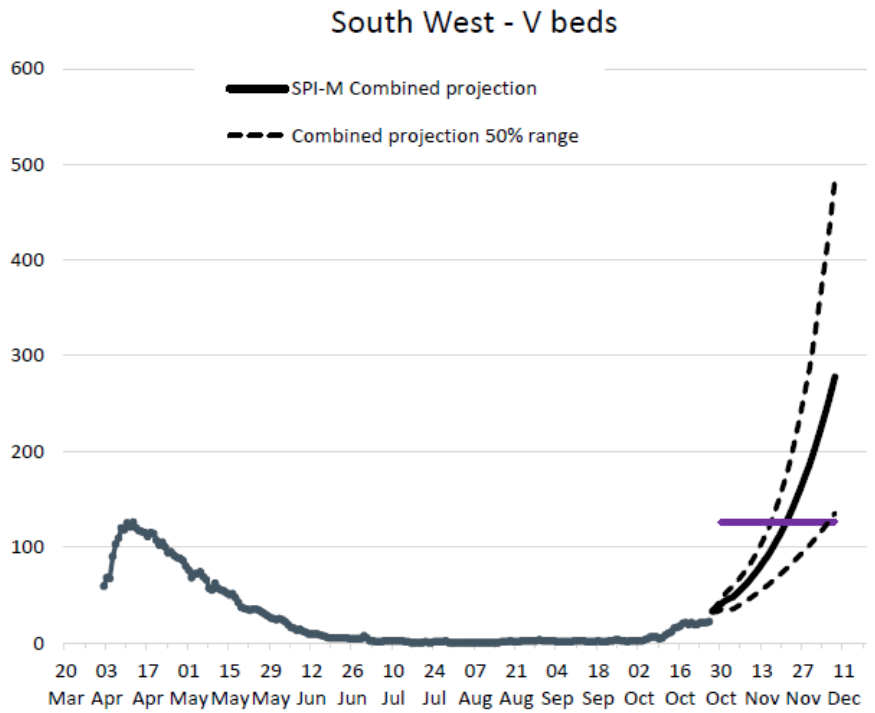




South West - new SPI M combined projection bed usage

Exceeds previous peak on circa 10/11/2020





Appendix - Epi Summary Table: South West (Table 1 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Bristol, City of	480.5 ↑	13.1% ↑	408.1 ↑	208.0 ↑	1089.2 ↑	1891	Medium
South Gloucestershire	377.5 ↑	10.1% ↑	253.3 ↑	139.6 ↑	1108.4 ↑	722	Medium
Bath and North East Somerset	352.0 ↑	9.8% ↑	222.0 ↑	126.2 ↑	750.1 ↓	429	Medium
Bournemouth, Christchurch and Poole	433.8 ↑	7.2% ↑	207.9 ↑	139.3 ↑	460.5 ↓	822	Medium
North Somerset	424.2 ↑	5.5% ↑	159.0 ↑	105.1 ↑	497.9 ↑	342	Medium
Plymouth	409.3 ↓	5.7% ↑	153.4 ↑	82.4 ↓	442.2 ↑	402	Medium
Swindon	259.4 ↓	8.8% ↑	150.8 ↑	99.1 ↑	236.6 ↓	335	Medium
Torbay	501.0 ↓	4.6% ↑	146.0 ↑	117.1 ↑	253.8 ↑	199	Medium
Exeter	288.0 ↓	7.5% →	136.2 ↓	92.8 ↑	362.3 ↓	179	Medium
Sedgemoor	370.3 ↓	4.7% ↑	114.5 ↑	74.5 ↑	290.3 ↑	141	Medium
Dorset	331.9 ↑	4.8% ↑	108.6 ↑	65.3 ↑	489.6 ↑	411	Medium
Cotswold	261.7 ↓	6.2% ↑	107.9 ↑	71.2 ↑	668.4 ↑	97	Medium
Gloucester	345.0 ↓	4.7% ↑	103.8 ↑	48.5 ↑	432.1 ↑	134	Medium
Stroud	295.6 ↓	5.0% ↑	100.0 ↑	99.7 ↑	288.2 ↑	120	Medium
East Devon	282.6 ↓	5.1% ↑	97.1 ↑	36.5 →	402.3 ↓	142	Medium
Wiltshire	310.4 ↑	4.3% ↑	91.8 ↑	44.5 ↑	340.5 ↓	459	Medium
Cheltenham	310.4 ↓	4.6% ↑	91.1 ↑	27.4 ↓	333.0 ↑	106	Medium
Forest of Dean	346.6 ↑	3.8% ↑	88.7 ↑	25.5 ↑	283.5 ↓	77	Medium
South Hams	324.6 ↑	4.1% ↑	87.4 ↑	35.1 ↑	362.5 ↑	76	Medium
Teignbridge	339.1 ↓	3.9% ↑	80.5 ↑	64.2 ↑	267.5 →	108	Medium
North Devon	241.8 ↓	4.7% ↑	76.2 ↑	54.4 ↑	284.3 ↑	74	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).

Appendix - Epi Summary Table: South West (Table 2 of 2)

	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (weekly)	Case rate per 100,000 population (weekly)	Case rate per 100,000 population aged 60 years and over	Case rate per 100,000 population aged 17 - 21 years olds	Confirmed cases (last 7-days)	Local COVID Alert Level
Somerset West and Taunton	405.9 ↓	2.8% ↑	73.5 ↑	49.4 ↑	190.1 ↑	114	Medium
Tewkesbury	261.0 ↓	4.1% ↑	72.6 ↑	14.9 ↓	225.6 ↓	69	Medium
West Devon	325.4 ↓	3.1% ↑	69.9 ↑	25.2 ↓	267.0 ↑	39	Medium
Mid Devon	235.3 ↓	4.0% ↑	60.7 ↑	40.3 ↑	205.1 ↓	50	Medium
South Somerset	328.2 ↓	2.5% ↑	56.4 ↑	36.8 ↑	146.2 ↓	95	Medium
Mendip	298.1 ↑	2.8% ↑	54.5 ↑	17.2 ↓	253.9 ↓	63	Medium
Cornwall	303.7 ↑	2.4% ↑	51.4 ↑	19.2 ↑	225.0 ↑	293	Medium
Torridge	307.6 ↑	2.4% ↑	49.8 ↑	41.1 ↑	213.2 ↑	34	Medium
Isles of Scilly +	186.3 ↓	0.0% →	0.0 →	0.0 →	0.0 →	0	Medium

Source: JSAT daily tables (PHE)
Note: Data for specimens taken/outbreaks reported between 21 October 2020 and 27 October 2020 (7 day) and 14 October and 27 October 2020 (14 day).