



Public Health
England



Test and Trace

COVID-19 SITUATIONAL AWARENESS

SUMMARY

MAIN REPORT
8 June 2021

Contents

This situational awareness summary report collates information and intelligence from various sources. The summary will be provided daily and the content will continue to be developed.

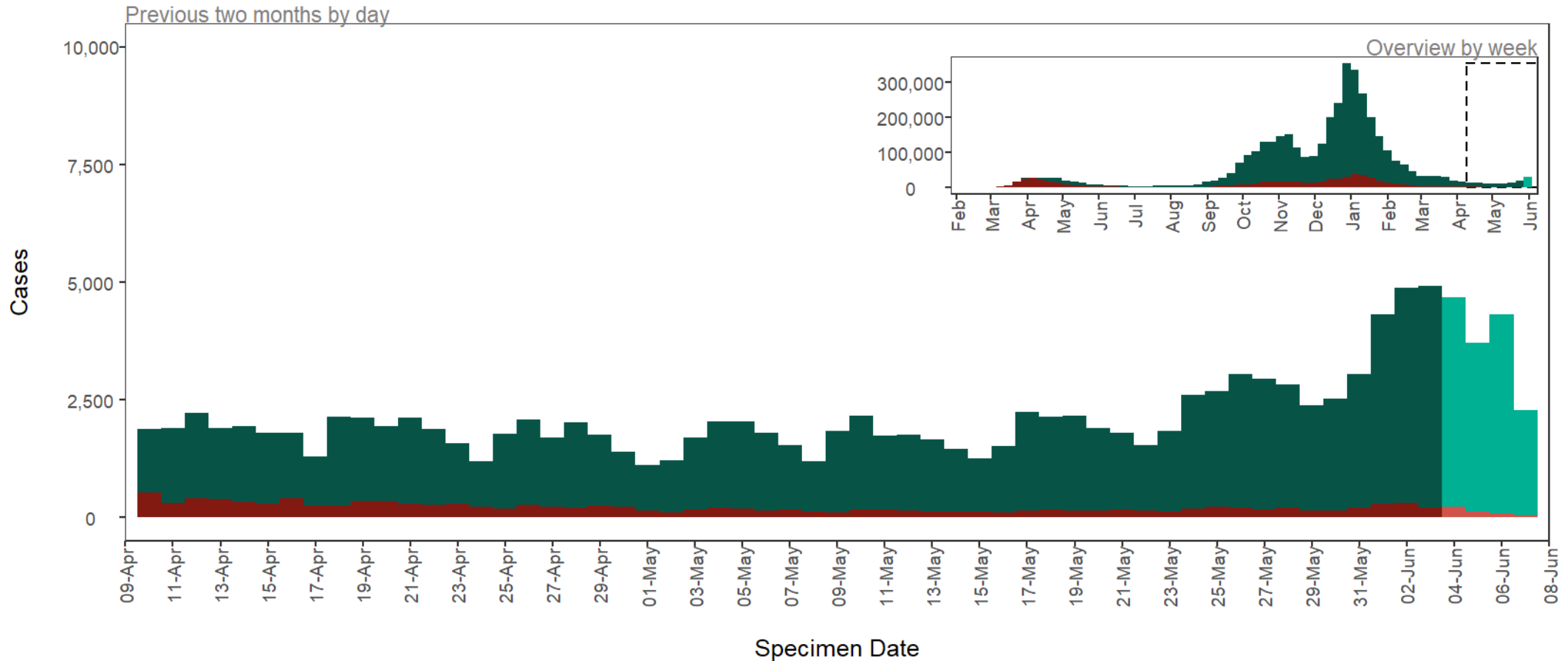
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Throughout the SAR:

Lower tier local authorities is used to represent local authority districts, unitary authorities, metropolitan district and London boroughs,
Upper tier local authorities is used to represent counties, metropolitan counties, London boroughs and unitary authorities

National context

England confirmed cases - epidemic curve

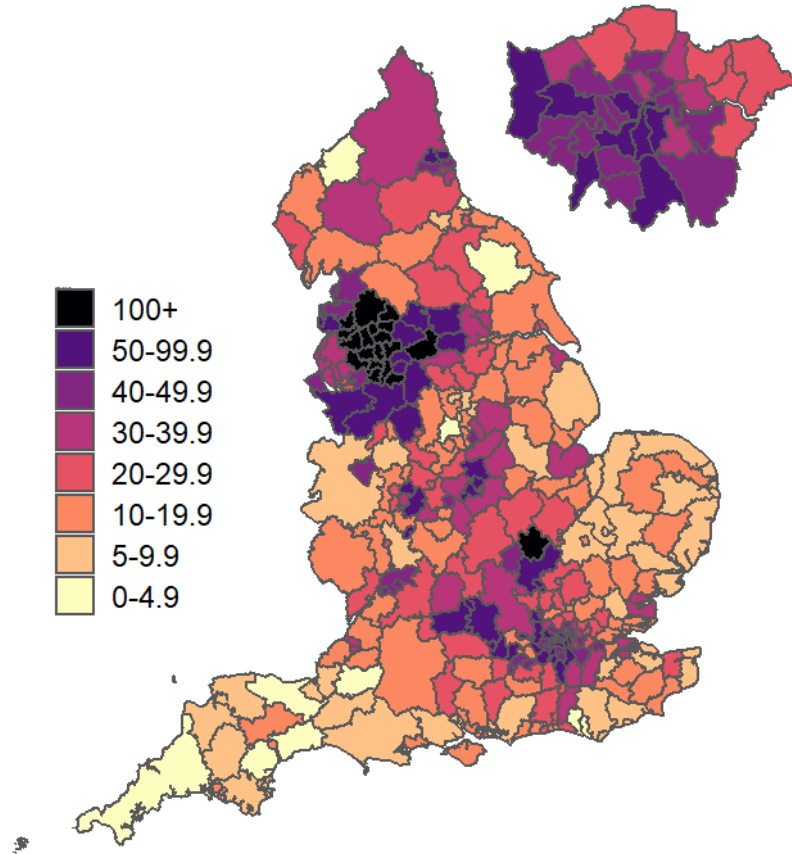


Bars shaded in **light red** and **light green** are provisional. Figures are expected to change as results are received for additional samples tested during this period. Inset epi curve is based on weekly reports from date of first case diagnosed. Main epi curve shows daily cases truncated to show the previous two months. Value labels are for combined **pillar 1** and **pillar 2** cases.

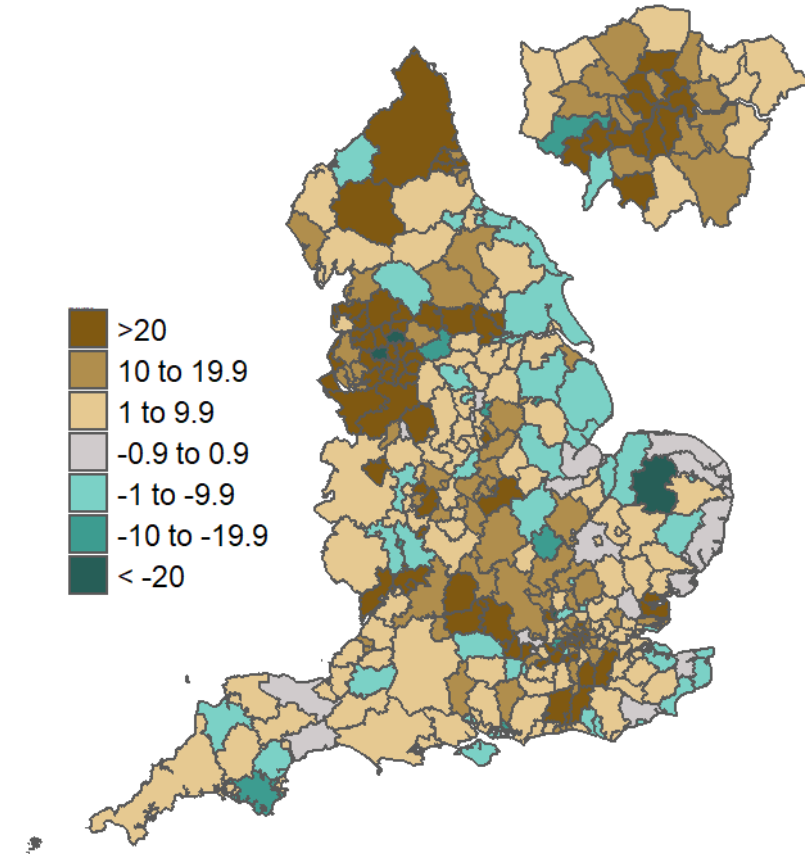
Produced by the Outbreak Surveillance Team, Public Health England.

Case Rates - Geographical spread of COVID-19 in England

Weekly case rates per 100,000 population
by local authority
28 May to 03 Jun 2021



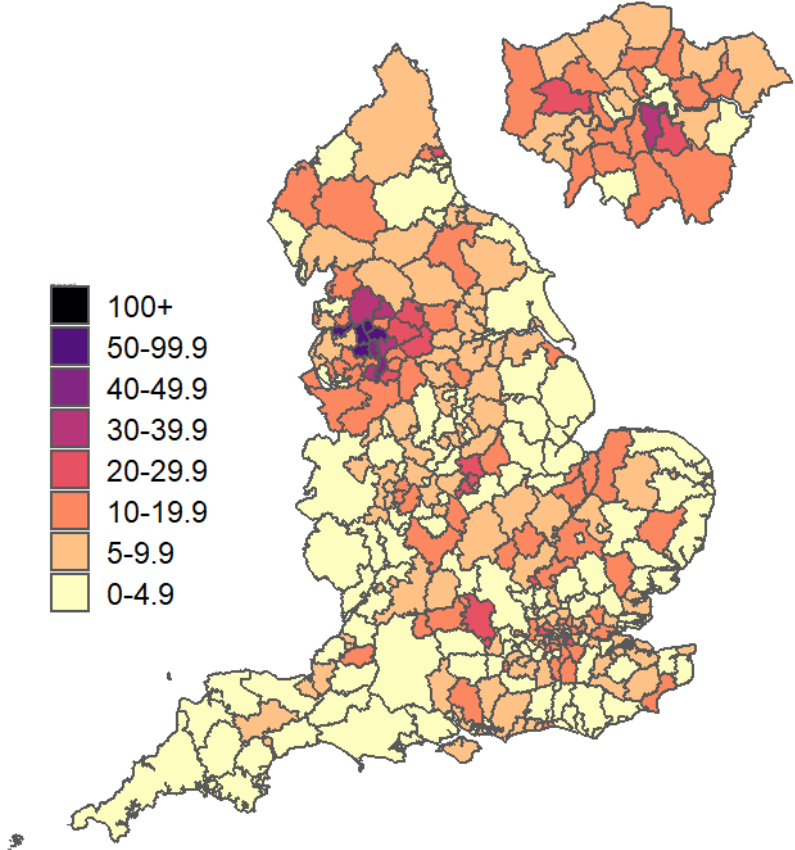
Absolute case rate change per 100,000 population
by local authority
21 May to 27 May 2021 and 28 May to 03 Jun 2021



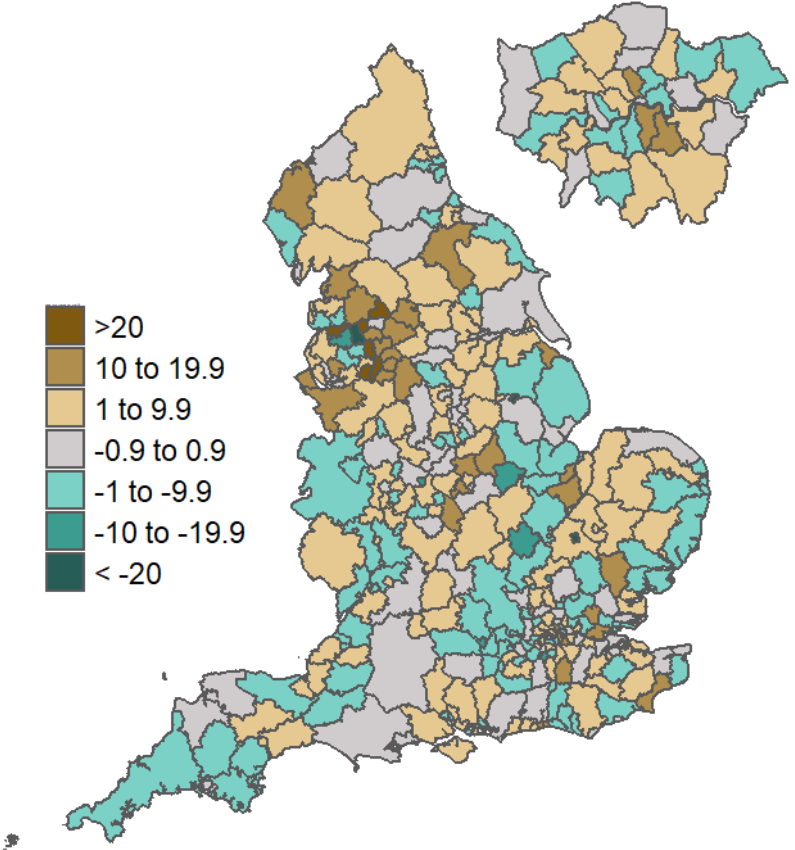
Data from SGSS; Pillar 1 and 2 testing. Figure by Outbreak Surveillance Team, Public Health England. Contains National Statistics data including 2019 population estimates. Crown copyright and database right 2021

Case Rates - Geographical spread of COVID-19 in England (aged 60+ years)

Weekly case rates per 100,000 population by local authority 28 May to 03 Jun 2021



Absolute case rate change per 100,000 population by local authority 21 May to 27 May 2021 and 28 May to 03 Jun 2021



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 2021

High level summary 1 - PHE regions

All indicators for the last 7 days (28 May 2021 to 03 June 2021)

Region	Individuals tested per day per 100,000 population		Percentage individuals test positive		Number of LTLAs by percentage individuals test positive RAG status			Percentage individual cases reporting symptoms		Case rate per 100,000 population, all ages		Number of LTLAs by case rate per 100,000 RAG status			Case rate per 100,000 population aged 60 years and over		Case rate per 100,000 population aged 11-16yrs		Case rate per 100,000 population aged 17-21yrs		Community outbreaks	Newly confirmed cases	Specimens tested with TaqPath assay	Cases with SGTF
	7-day moving average	7-day change, %	Weekly	7-day change, %	R	A	G	Weekly, Pillar 2 only	7-day change, %	Weekly	7-day change, %	R	A	G	Weekly	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Last 7 days	Last 7 days	Last 7 days, %	Last 7 days, %
East Midlands	313.9	-13.8%	1.3%	+62.5%	0	0	35			29.6	+28.1%	4	9	22	7.0	+29.6%	73.5	0.0%	67.8	+58.0%			53.6%	20.0%
East of England	355.8	-13.8%	0.9%	+50.0%	0	0	46			23.8	+18.4%	4	6	36	6.6	+6.5%	42.0	-23.1%	50.3	+42.9%			50.1%	10.8%
London	406.5	-14.8%	1.5%	+87.5%	0	0	33			43.3	+56.9%	9	20	4	11.2	+24.4%	58.7	-4.7%	80.5	+86.3%			23.2%	10.5%
North East	332.5	-16.2%	1.3%	+85.7%	0	0	12			32.4	+57.3%	2	4	6	6.7	+4.7%	63.2	0.0%	88.2	+98.6%			60.7%	26.9%
North West	360.4	-11.1%	4.8%	+84.6%	8	11	20			122.6	+66.6%	23	10	6	21.5	+66.7%	220.0	+16.8%	320.1	+114.4%			52.9%	4.3%
South East	379.7	-8.3%	1.0%	+66.7%	0	0	63			29.6	+56.6%	11	17	35	5.8	+3.6%	63.7	+11.8%	63.2	+81.1%			30.4%	4.7%
South West	360.9	-9.4%	0.5%	+150.0%	0	0	30			14.9	+67.4%	0	5	25	3.5	-18.6%	13.6	+4.6%	49.4	+216.7%			15.5%	12.5%
West Midlands	333.1	-15.3%	1.3%	+85.7%	0	0	30			32.3	+65.6%	4	5	21	8.2	+12.3%	70.1	+49.8%	72.0	+123.6%			54.8%	10.3%
Yorkshire and Humber	317.7	-13.5%	2.1%	+50.0%	0	1	20			46.9	+22.5%	5	10	6	10.9	+39.7%	89.8	-14.2%	113.9	+62.0%			52.1%	37.6%
England	370.7	-12.6%	1.7%	+88.9%	8	12	289			44.2	+51.4%	62	86	161	9.4	+27.0%	80.4	+5.9%	105.9	+94.3%		24,893	39.0%	11.9%

High level summary data definitions

Weekly case rate	Total number of newly confirmed cases in the most recent 7 day period per 100,000 population
Individuals tested per day per 100,000 (7-dma)	7-day moving average number of individuals tested per 100,000 population per day
Weekly percentage individuals test positive	Percentage of all individuals tested with specimen dates in the most recent 7 day period test positive for SARS CoV-2
Community outbreaks	Number of outbreaks reported to PHE during the 7 day period, excluding those reported from secondary healthcare and care home settings.

Data for positive cases with specimen dates between 28 May 2021 and 03 June 2021

7-day change % demonstrates how figures compare to the equivalent figure as of 27 May 2021

The proportion of samples tested with a TaqPath assay is low in some regions and LTLAs which increases uncertainty around the % of cases with SGTF. In addition, local trends in these data may be affected by decisions to direct the processing of samples via a TaqPath laboratory.

RAG rating thresholds

Percentage positive	Red >7.5%, Amber >4 to 7.5%
All cases / 11-16 / 17-21 year olds weekly case rate	Maroon >250 cases per week, Dark Red > 150 cases per week, Red >50 cases per 100,000 per week, Amber >25 per 100,000 per week
Age 60+ cases weekly case rate	Maroon >150 cases per week, Dark Red > 100 cases per week, Red >50 cases per 100,000 per week, Amber >25 per 100,000 per week
7-day change, %	Maroon > +100%, Dark Red > +50%, Red > +10%, Amber > -10%, Green < -10%

High level summary 2 - 20 Highest LTLAs by case rate

All indicators for the last 7 days (28 May 2021 to 03 June 2021)

Region	LTLA	Individuals tested per day per 100,000 population		Percentage individuals test positive		Percentage individual cases reporting symptoms		Case rate per 100,000 population, all ages			Case rate per 100,000 population aged 60 years and over		Case rate per 100,000 population aged 11-16yrs		Case rate per 100,000 population aged 17-21yrs		Community outbreaks	Newly confirmed cases	Specimens tested with TaqPath assay	Cases with SGTF
		7-day moving average	7-day change, %	Weekly	7-day change, %	Weekly, Pillar 2 only	7-day change, %	Weekly	3 week trend	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Last 7 days	Last 7 days	Last 7 days, %	Last 7 days, %
North West	Blackburn with Darwen	544.3	-26.7%	15.1%	+84.1%			546.4		+31.1%	81.6	-33.3%	1164.5	+29.6%	1125.4	+66.1%			70.0%	1.1%
North West	Bolton	461.1	-27.5%	9.9%	+8.8%			321.0		-17.7%	64.5	-4.6%	595.8	-46.5%	594.6	+8.0%			62.1%	1.9%
North West	Rossendale	447.9	-13.6%	9.6%	+7.9%			286.8		-10.1%	56.6	+25.2%	646.0	-55.3%	1139.0	+143.7%			63.8%	1.1%
North West	Hyndburn	420.8	-16.4%	9.0%	+95.7%			261.6		+60.6%	61.7	+99.7%	331.1	+42.9%	683.4	+100.0%			63.3%	0.0%
North West	Burnley	480.8	-13.4%	7.0%	+150.0%			240.7		+111.9%	18.3	0.0%	272.3	+125.0%	1018.8	+228.5%			64.7%	3.3%
North West	Ribble Valley	376.1	-9.5%	8.4%	+100.0%			221.7		+70.9%	37.4	+74.8%	353.8	+33.3%	808.4	+84.6%			59.3%	0.0%
North West	Salford	387.6	-5.2%	7.6%	+117.1%			213.3		+116.5%	16.4	+13.9%	291.0	+35.1%	350.7	+107.1%			37.0%	3.4%
North West	Manchester	383.0	-7.3%	7.5%	+114.3%			209.1		+106.8%	49.2	+290.5%	435.7	+67.7%	285.9	+133.4%			46.8%	7.8%
North West	South Ribble	386.6	-14.3%	7.6%	+145.2%			204.0		+93.2%	71.9	+266.8%	171.9	+44.5%	832.4	+83.3%			57.7%	0.9%
North West	Bury	355.7	-9.5%	7.8%	+116.7%			189.0		+93.1%	48.5	+144.9%	295.3	-23.6%	480.2	+109.1%			52.9%	4.9%
North West	Preston	443.4	-10.4%	5.7%	+90.0%			181.6		+61.4%	14.2	-20.2%	244.9	+8.7%	565.3	+90.7%			57.4%	4.1%
North West	Stockport	351.0	-3.9%	6.6%	+187.0%			165.6		+180.7%	22.4	+322.6%	399.6	+261.0%	559.5	+236.2%			47.1%	2.6%
East of England	Bedford	574.9	-30.1%	4.0%	+37.9%			146.6		-9.9%	19.7	-38.4%	224.3	-54.0%	250.1	-31.3%			57.2%	1.0%
North West	Chorley	421.7	-20.2%	4.7%	+88.0%			140.4		+53.6%	6.5	-71.6%	159.7	-7.2%	432.6	+15.0%			61.4%	5.6%
North West	Pendle	368.5	-20.5%	5.2%	+85.7%			132.4		+56.3%	31.0	+604.5%	165.5	+37.5%	598.9	+250.0%			55.2%	2.0%
North West	Rochdale	326.8	-25.7%	5.7%	+103.6%			132.2		+57.2%	34.8	+112.2%	200.5	+9.7%	403.1	+113.1%			54.2%	8.0%
North West	Wigan	330.0	-12.3%	5.7%	+103.6%			131.4		+80.0%	18.4	-31.9%	112.8	+4.1%	407.5	+252.5%			42.1%	1.0%
North West	Trafford	376.1	+2.7%	4.9%	+104.2%			131.0		+117.6%	35.2	+170.8%	151.5	+52.7%	479.9	+194.4%			44.4%	9.3%
Yorkshire and Humber	Kirklees	365.4	-26.0%	4.1%	+17.1%			101.0		-15.7%	28.4	+3.6%	211.5	-51.4%	259.1	+8.0%			68.3%	31.0%
South East	Bracknell Forest	382.7	+4.1%	3.6%	+227.3%			97.9		+192.2%	4.1	-49.4%	300.6	+123.2%	269.5	+112.5%			25.5%	0.0%
	England	370.7	-12.6%	1.7%	+88.9%			44.2		+51.4%	9.4	+27.0%	80.4	+5.9%	105.9	+94.3%		24,893	39.0%	11.9%

High level summary 3 - LTLAs not included in summary table 2 where the weekly case rate has risen >10% from the previous week

All indicators for the last 7 days (28 May 2021 to 03 June 2021)

Region	LTLA	Individuals tested per day per 100,000 population		Percentage individuals test positive		Percentage individual cases reporting symptoms		Case rate per 100,000 population, all ages			Case rate per 100,000 population aged 60 years and over		Case rate per 100,000 population aged 11-16yrs		Case rate per 100,000 population aged 17-21yrs		Community outbreaks Last 7 days	Newly confirmed cases Last 7 days	Specimens tested with TaqPath assay Last 7 days, %	Cases with SGTF
		7-day moving average	7-day change, %	Weekly	7-day change, %	Weekly, Pillar 2 only	7-day change, %	Weekly	3 week trend	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %				
West Midlands	Staffordshire Moorlands	779.2	+129.6%	1.7%	+240.0%			95.5		+682.8%	9.5	+196.9%	774.6	+732.9%	217.3	+ Inf%			69.8%	1.4%
North West	Cheshire West and Chester	429.3	+ 32.5%	2.8%	+300.0%			85.1		+378.1%	16.8	+ Inf%	279.3	+966.0%	346.4	+151.9%			66.6%	2.4%
North West	Blackpool	537.3	-9.0%	2.3%	+283.3%			92.5		+214.6%	13.4	+ 25.2%	85.5	+167.2%	429.4	+210.0%			49.6%	2.0%
South East	South Oxfordshire	360.6	-3.1%	2.4%	+200.0%			66.9		+206.9%	20.9	-11.1%	146.3	+114.2%	160.9	+899.4%			40.4%	4.3%
London	Wandsworth	435.1	-3.0%	2.0%	+185.7%			62.8		+192.1%	11.6	-37.6%	46.7	+ 59.9%	74.4	+149.7%			16.5%	2.9%
North West	Cheshire East	372.3	-5.3%	3.4%	+183.3%			90.8		+154.3%	13.3	+ 87.3%	205.2	+184.2%	498.1	+154.5%			51.1%	7.6%
East of England	Three Rivers	410.4	-11.9%	2.3%	+187.5%			67.5		+141.9%	0.0	-100.0%	82.2	+ 50.0%	23.7	+ Inf%			36.8%	13.0%
North West	Tameside	310.4	-4.2%	4.1%	+141.2%			89.2		+119.7%	17.1	+800.0%	195.5	+287.1%	130.7	+ 87.5%			52.5%	5.5%
Yorkshire and Humber	Leeds	318.6	-10.4%	3.0%	+100.0%			69.2		+ 76.1%	11.2	+ 28.7%	108.8	+ 16.6%	173.6	+252.8%			47.0%	39.4%
South East	Wokingham	349.4	-3.1%	3.2%	+128.6%			78.9		+ 73.0%	5.1	-49.5%	221.5	+ 50.0%	282.0	+100.0%			33.7%	0.0%
Yorkshire and Humber	Bradford	308.8	-13.1%	3.8%	+ 65.2%			85.4		+ 52.8%	20.2	+100.0%	198.4	+ 43.1%	157.7	+ 71.0%			48.9%	34.0%
North West	Oldham	288.1	-19.9%	4.5%	+ 73.1%			91.5		+ 42.7%	17.9	+126.6%	159.3	-31.1%	184.3	+ 36.8%			53.1%	12.0%
London	Lambeth	452.2	+ 1.1%	2.4%	+ 41.2%			75.5		+ 37.5%	12.7	-28.2%	63.0	-47.8%	135.0	+ 46.1%			18.6%	11.8%
South East	Reading	466.4	-7.2%	3.0%	+ 50.0%			96.4		+ 35.6%	22.1	-45.4%	100.4	+ 57.1%	196.9	+ 60.0%			33.5%	4.7%
East Midlands	Charnwood	266.7	-14.4%	3.3%	+ 65.0%			65.1		+ 31.5%	22.9	+397.8%	252.9	+ 31.8%	34.5	+ 19.8%			51.6%	13.2%
North East	North Tyneside	415.4	-33.6%	2.2%	+ 69.2%			68.3		+ 21.3%	21.7	+ 9.0%	79.6	-35.3%	244.6	+ 27.8%			65.3%	14.5%
South East	Slough	390.8	-6.9%	2.7%	+ 42.1%			72.2		+ 16.1%	14.0	-24.7%	197.5	+ 23.8%	157.7	+ 71.4%			22.7%	0.0%
East of England	Luton	478.1	-8.3%	2.2%	+ 22.2%			78.4		+ 16.0%	22.1	+ 60.1%	98.4	-51.4%	148.2	+ 50.0%			40.3%	5.2%
East Midlands	Leicester	349.0	-15.9%	3.6%	+ 33.3%			93.4		+ 14.9%	23.7	+ 16.7%	210.9	-5.2%	159.1	+ 21.8%			56.9%	16.8%
South East	Reigate and Banstead	562.1	+ 24.5%	2.1%	+ 5.0%			84.0		+ 14.6%	17.1	+ 98.8%	339.4	-43.9%	110.1	+133.3%			34.2%	0.0%
	England	370.7	-12.6%	1.7%	+ 88.9%			44.2		+ 51.4%	9.4	+ 27.0%	80.4	+ 5.9%	105.9	+ 94.3%		24,893	39.0%	11.9%































High level summary 4 - 20 Highest LTLAs by case rate in individuals aged 60 years and over

All indicators for the last 7 days (28 May 2021 to 03 June 2021)

Region	LTLA	Individuals tested per day per 100,000 population		Percentage individuals test positive		Percentage individual cases reporting symptoms		Case rate per 100,000 population, all ages			Case rate per 100,000 population aged 60 years and over		Case rate per 100,000 population aged 11-16yrs		Case rate per 100,000 population aged 17-21yrs		Community outbreaks	Newly confirmed cases	Specimens tested with TaqPath assay	Cases with SGTF
		7-day moving average	7-day change, %	Weekly	7-day change, %	Weekly, Pillar 2 only	7-day change, %	Weekly	3 week trend	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Weekly	7-day change, %	Last 7 days	Last 7 days	Last 7 days, %	Last 7 days, %
North West	Blackburn with Darwen	544.3	-26.7%	15.1%	+84.1%			546.4		+31.1%	81.6	-33.3%	1164.5	+29.6%	1125.4	+66.1%			70.0%	1.1%
North West	South Ribble	386.6	-14.3%	7.6%	+145.2%			204.0		+93.2%	71.9	+266.8%	171.9	+44.5%	832.4	+83.3%			57.7%	0.9%
North West	Bolton	461.1	-27.5%	9.9%	+8.8%			321.0		-17.7%	64.5	-4.6%	595.8	-46.5%	594.6	+8.0%			62.1%	1.9%
North West	Hyndburn	420.8	-16.4%	9.0%	+95.7%			261.6		+60.6%	61.7	+99.7%	331.1	+42.9%	683.4	+100.0%			63.3%	0.0%
North West	Rossendale	447.9	-13.6%	9.6%	+7.9%			286.8		-10.1%	56.6	+25.2%	646.0	-55.3%	1139.0	+143.7%			63.8%	1.1%
North West	Manchester	383.0	-7.3%	7.5%	+114.3%			209.1		+106.8%	49.2	+290.5%	435.7	+67.7%	285.9	+133.4%			46.8%	7.8%
North West	Bury	355.7	-9.5%	7.8%	+116.7%			189.0		+93.1%	48.5	+144.9%	295.3	-23.6%	480.2	+109.1%			52.9%	4.9%
North West	Ribble Valley	376.1	-9.5%	8.4%	+100.0%			221.7		+70.9%	37.4	+74.8%	353.8	+33.3%	808.4	+84.6%			59.3%	0.0%
North West	Trafford	376.1	+2.7%	4.9%	+104.2%			131.0		+117.6%	35.2	+170.8%	151.5	+52.7%	479.9	+194.4%			44.4%	9.3%
North West	Rochdale	326.8	-25.7%	5.7%	+103.6%			132.2		+57.2%	34.8	+112.2%	200.5	+9.7%	403.1	+113.1%			54.2%	8.0%
North West	Pendle	368.5	-20.5%	5.2%	+85.7%			132.4		+56.3%	31.0	+604.5%	165.5	+37.5%	598.9	+250.0%			55.2%	2.0%
London	Southwark	399.5	-4.9%	2.0%	+185.7%			58.3		+129.5%	30.1	+140.8%	88.8	+69.8%	103.7	+183.3%			22.1%	10.5%
Yorkshire and Humber	Kirklees	365.4	-26.0%	4.1%	+17.1%			101.0		-15.7%	28.4	+3.6%	211.5	-51.4%	259.1	+8.0%			68.3%	31.0%
London	Lewisham	323.2	-2.9%	1.5%	+87.5%			38.9		+95.5%	26.6	+269.4%	49.9	+43.0%	81.6	+300.0%			27.2%	19.7%
London	Ealing	481.1	-11.1%	1.7%	+30.8%			57.9		+36.6%	26.1	+45.0%	76.3	+11.9%	74.9	+62.5%			17.7%	0.0%
East Midlands	Leicester	349.0	-15.9%	3.6%	+33.3%			93.4		+14.9%	23.7	+16.7%	210.9	-5.2%	159.1	+21.8%			56.9%	16.8%
East Midlands	Charnwood	266.7	-14.4%	3.3%	+65.0%			65.1		+31.5%	22.9	+397.8%	252.9	+31.8%	34.5	+19.8%			51.6%	13.2%
East Midlands	Blaby	238.2	-19.9%	3.6%	+89.5%			61.1		+41.1%	22.6	+100.0%	233.9	+21.4%	107.7	-28.5%			46.8%	4.7%
North West	Stockport	351.0	-3.9%	6.6%	+187.0%			165.6		+180.7%	22.4	+322.6%	399.6	+261.0%	559.5	+236.2%			47.1%	2.6%
South East	Reading	466.4	-7.2%	3.0%	+50.0%			96.4		+35.6%	22.1	-45.4%	100.4	+57.1%	196.9	+60.0%			33.5%	4.7%
	England	370.7	-12.6%	1.7%	+88.9%			44.2		+51.4%	9.4	+27.0%	80.4	+5.9%	105.9	+94.3%		24,893	39.0%	11.9%

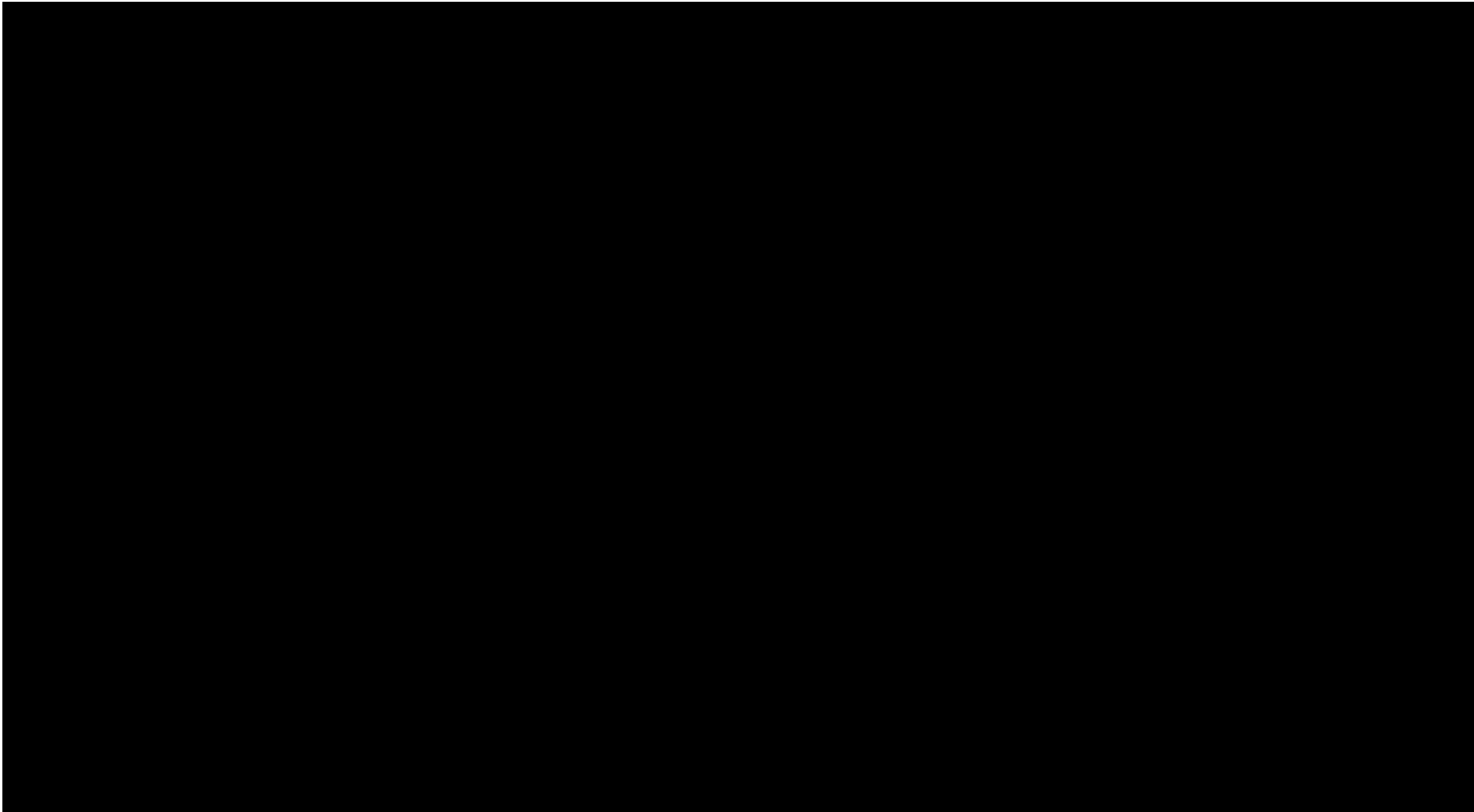
High level summary 5 – Hospital indicators - England

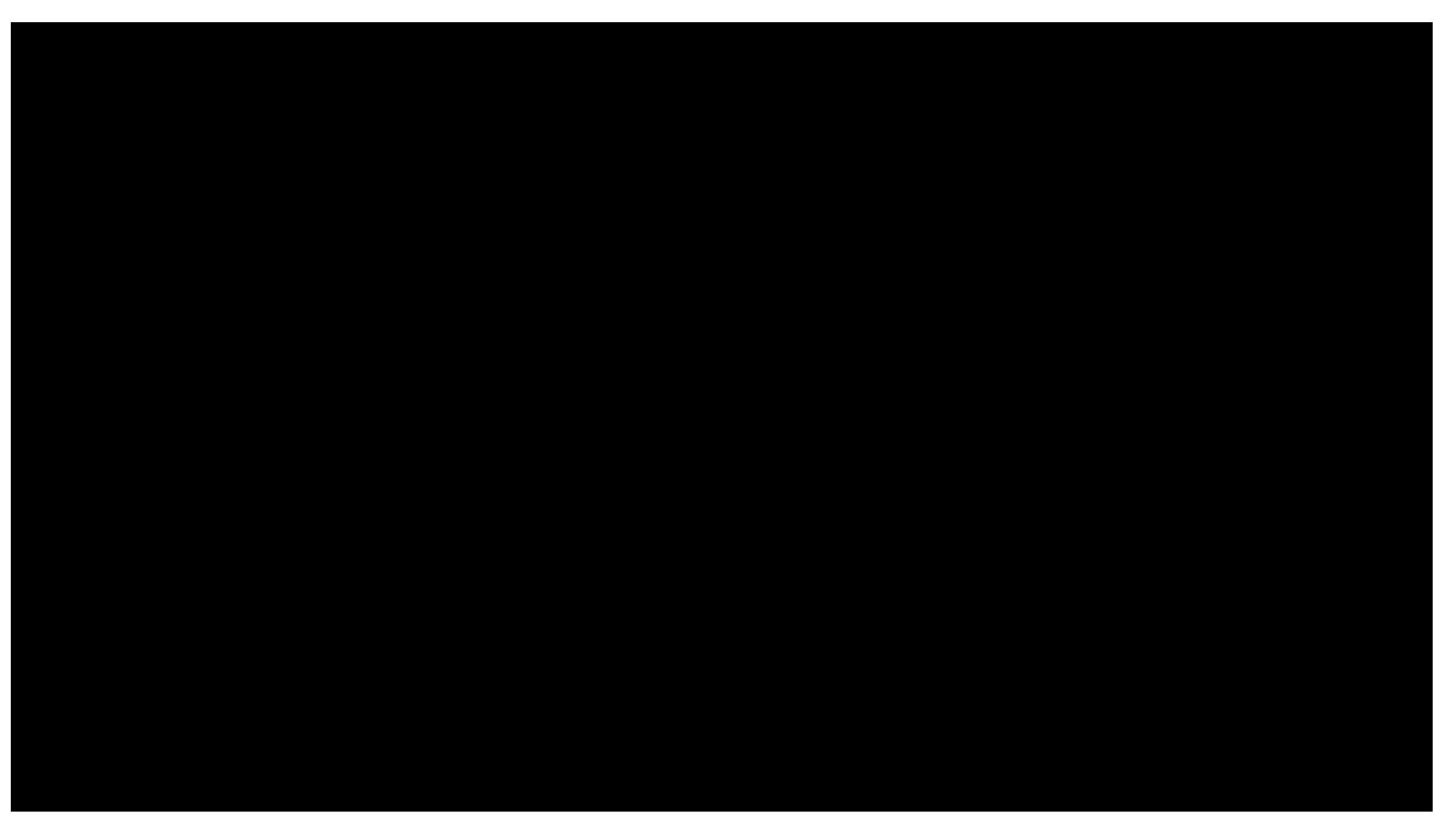
Hospital indicators: high-level summary by region

	New COVID-19 patients admitted to hospital			Number of COVID-19 patients in hospital			Mechanical ventilation beds occupied by COVID-19 patients		
	06 Jun 2021	7-day change	21-day trend	06 Jun 2021	7-day change	21-day trend	06 Jun 2021	7-day change	21-day trend
Total									
England		20.5%			7.9%			13.9%	
By region									
East Midlands		-20.0%			-14.3%			-57.1%	
East of England		0.0%			23.5%			57.1%	
London		23.5%			2.2%			0.0%	
North East		0.0%			-13.0%			50.0%	
North West		47.8%			31.5%			17.1%	
South East		-14.3%			15.7%			40.0%	
South West		50.0%			38.5%			0.0%	
West Midlands		12.5%			-3.9%			140.0%	
Yorkshire and The Humber		22.2%			-15.8%			0.0%	

NOTE: All values are 7-day averages rounded up to the nearest whole number. As a result of rounding, there may be a small discrepancy between the regional sum and the total England value. Relative changes on small numbers can result in a large percentage change.

Source: NHS England & Improvement COVID-19 Hospital Activity Data, from 10 May 2021 to 06 June 2021. Values in parentheses are change from the previous day. All values are 7-day averages, i.e. mean averages of daily values from the 7 days up to and including the date in the column heading; totals are presented as integers, which may lead to small discrepancies due to rounding. The '7-day change' columns reflect the difference in 7-day average values compared to the value one week prior. Scale within each 'trend' column is consistent across all regions, except for the total row, which is scaled independently. Produced by Joint Biosecurity Centre.

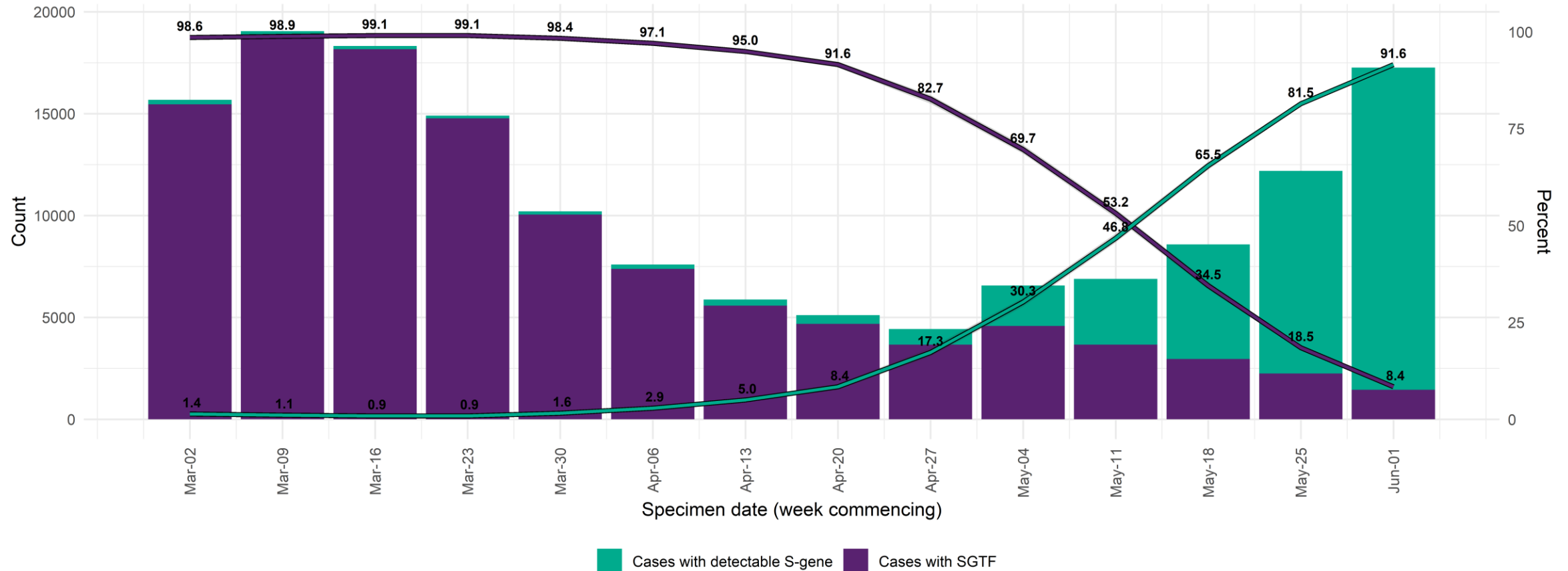




Tracking SARS-COV-2 S-Gene Target Failure – Weekly SGTF case numbers over time

Weekly number and proportion of England Pillar 2 COVID-19 cases with detectable S gene or SGTF among those tested in TaqPath Labs

2021-03-02 to 2021-06-07. Data updated on 2021-06-08.

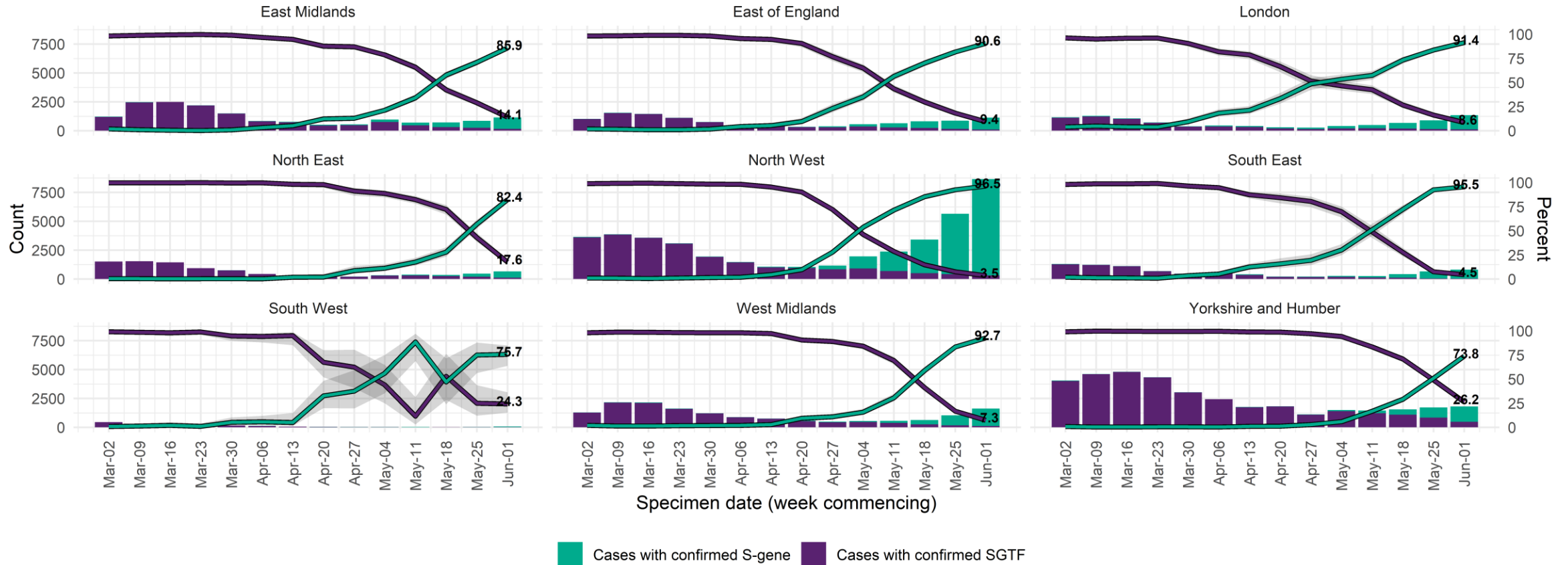


A detectable S gene may indicate a VOC case since April 2021; this continues to be monitored. SGTF is a surveillance proxy for VOC-20DEC-01 and may include other variants. Local trends in these data may be affected by decisions to direct the processing of samples via a TaqPath laboratory. TaqPath coverage is lower in SW and NE particularly. Only tests carried out with the TaqPath PCR assay and with confirmed SGTF or S gene results included, from Newcastle, Alderley Park, Milton Keynes and Glasgow Lighthouse Labs. Confirmed SGTF: Non-detectable S gene and <=30 CT values for N and ORF1ab genes. Confirmed S-gene: <=30 CT values for S, N, and ORF1ab genes. Data source: SGSS. Cases deduplicated to one positive test per person per week, prioritising SGTF tests. Produced by Outbreak Surveillance Team, PHE.

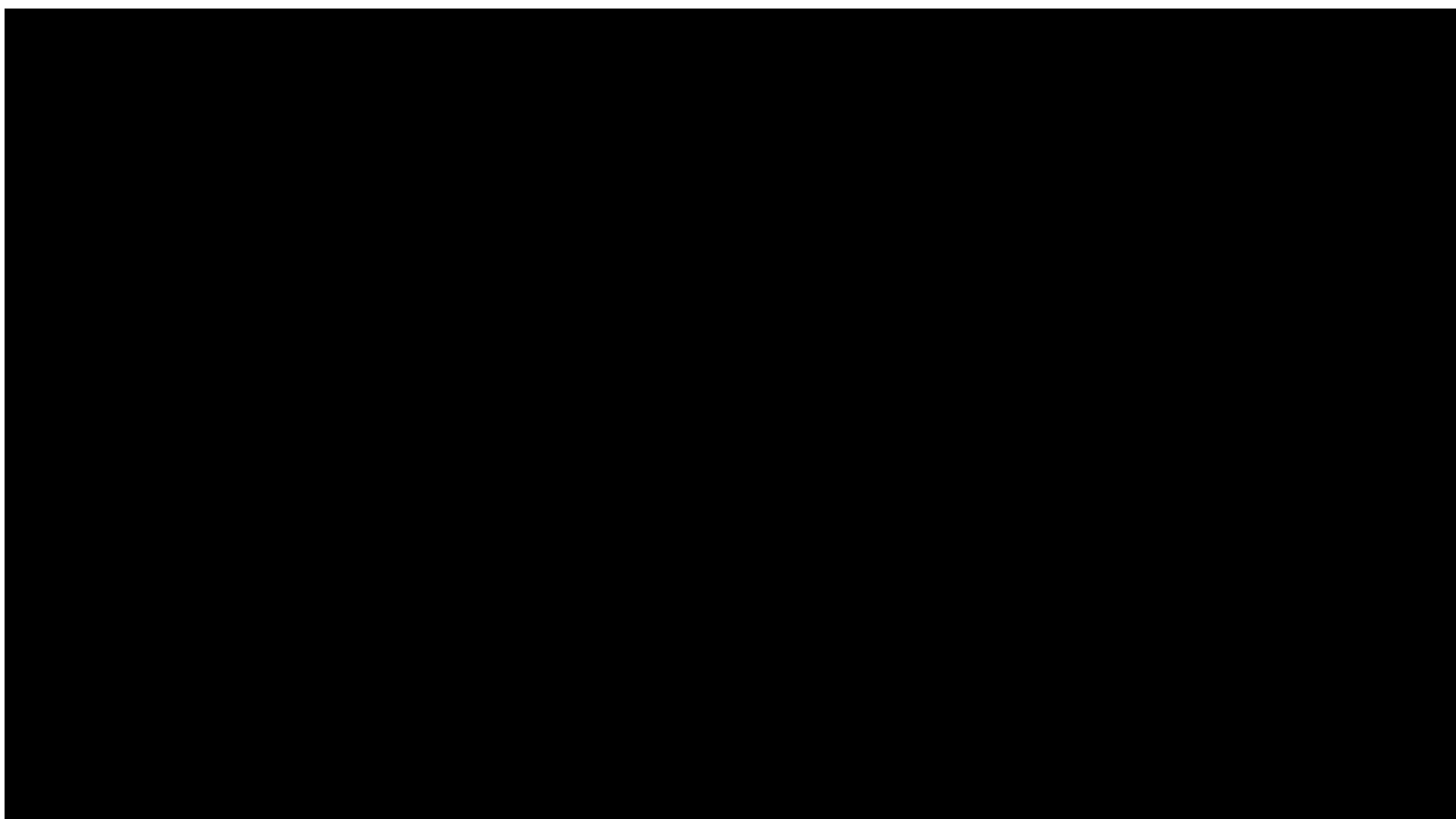
Weekly trends in number and proportion of cases with S-Gen Target Failure, by region

Weekly number and proportion of England Pillar 2 COVID-19 cases with detectable S gene or SGTF among those tested in TaqPath Labs, by region

2021-03-02 to 2021-06-07. Data updated on 2021-06-08. 95% confidence intervals indicated by gray shading.



A detectable S gene may indicate a VOC case since April 2021; this continues to be monitored. SGTF is a surveillance proxy for VOC-20DEC-01 and may include other variants. Local trends in these data may be affected by decisions to direct the processing of samples via a TaqPath laboratory. Only tests carried out with the TaqPath PCR assay and with confirmed SGTF or S gene results included, from Newcastle, Alderley Park, Milton Keynes and Glasgow Lighthouse Labs. Confirmed SGTF: Non-detectable S gene and <=30 CT values for N and ORF1ab genes. Confirmed S-gene: <=30 CT values for S, N, and ORF1ab genes. Data source: SGSS. Region missing for 263 persons, excluded from figure. The regions with poor TaqPath laboratory coverage is the South West. Cases deduplicated to one positive test per person per week, prioritising SGTF tests. Produced by Outbreak Surveillance Team, PHE.



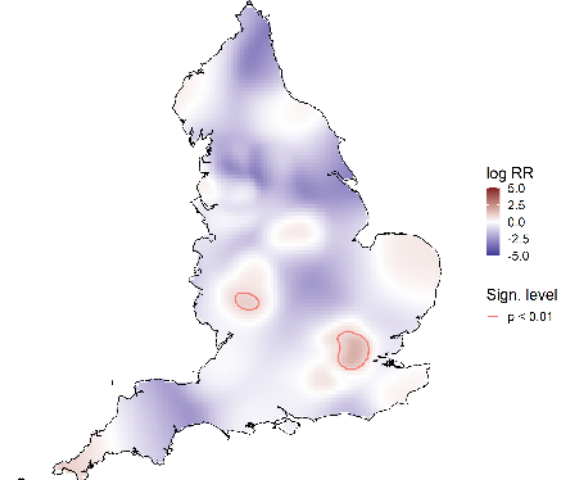




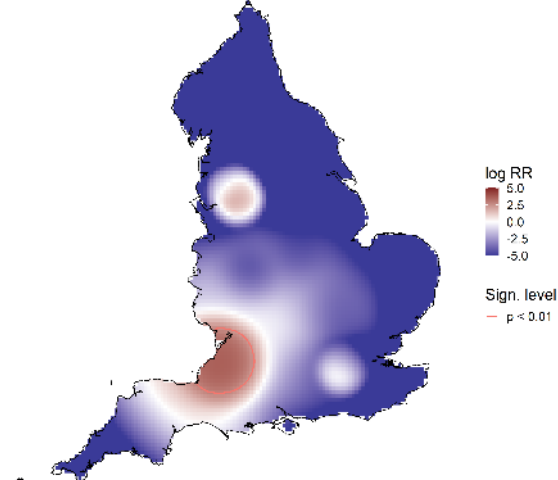
Variant relative risk distribution in England by variant type

Data as of 06 June 2021

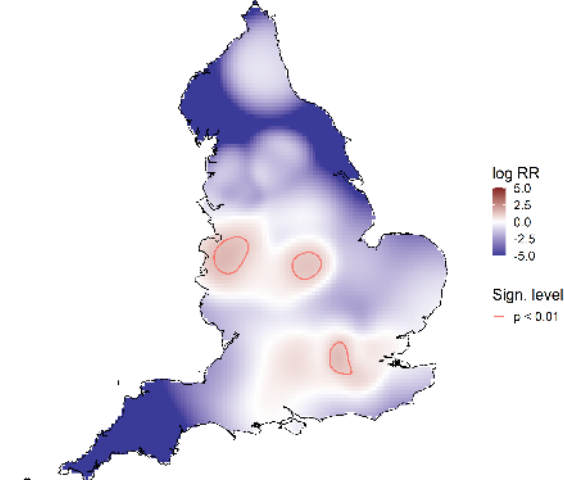
VOC-20DEC-02



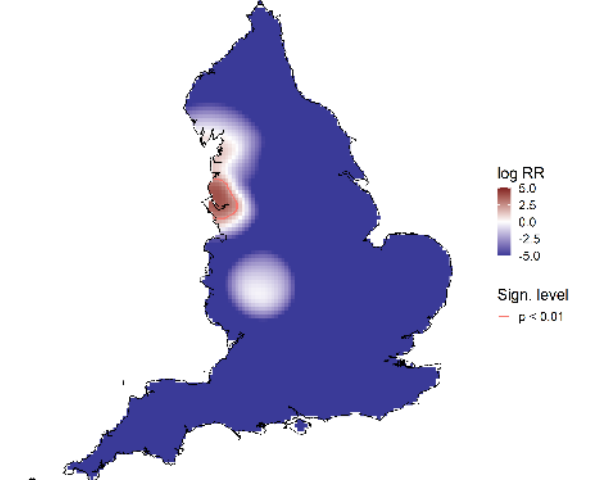
VOC-21FEB-02



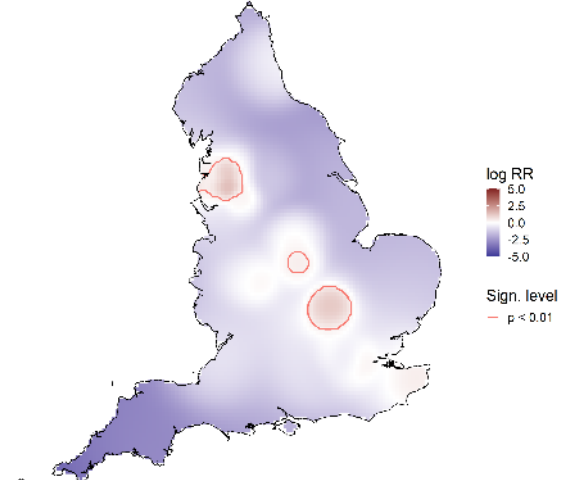
VUI-21APR-01



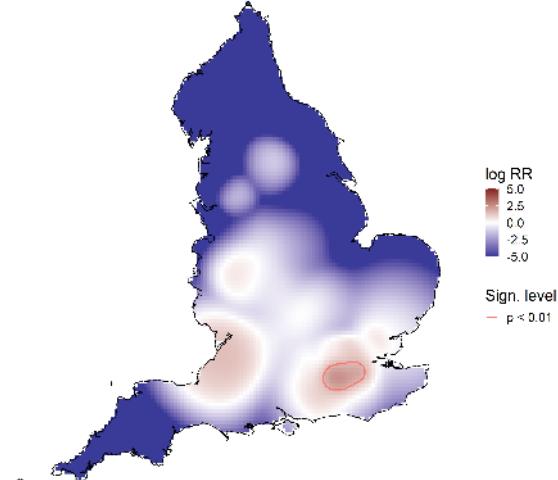
VUI-21FEB-01



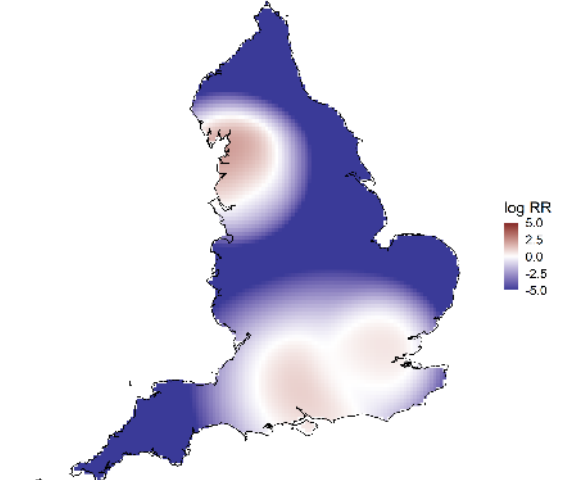
VOC-21APR-02



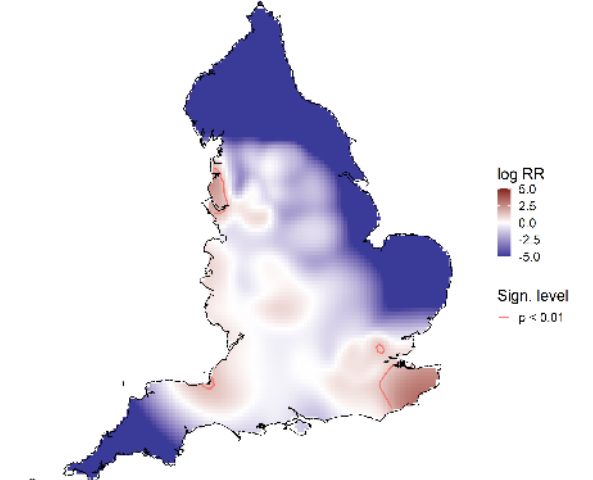
VOC-21JAN-02



VUI-21APR-03



VUI-21FEB-03



Areas where higher risk of infection is statistically significant (with 95% confidence) are shown by red contour lines. Spatial risk surface is estimated by comparing the smoothed intensity of variant cases and wildtype controls across a defined geographical areas to produce an intensity (or risk) ratio. If the ratio is -1, this suggests that the risk of infections is unrelated to spatial location. Evidence of spatial variation in risk occurs when the intensities differ. Ratio values >1 (red) indicate and increased risk and values <1 (blue) indicate lower risk.

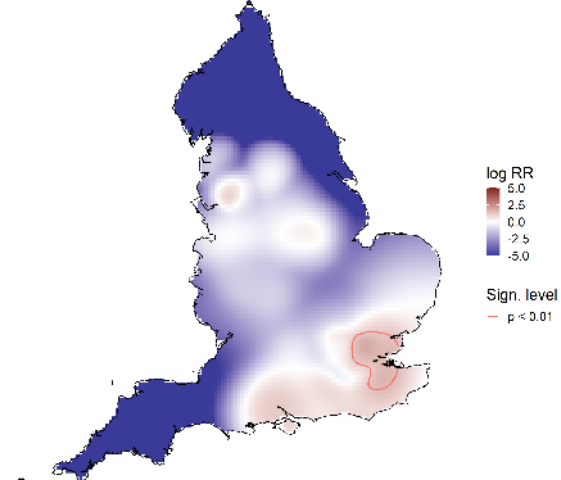
Only variants with more than one confirmed case with no known travel-association are shown.

Data source: Genomically confirmed cases with no known travel association from National VAM line list as of 06/06/2021

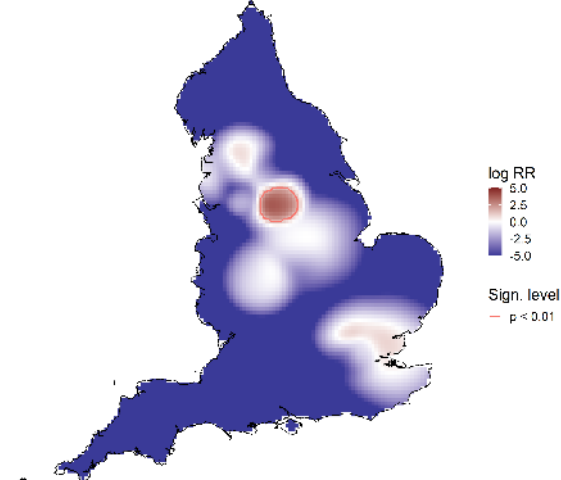
Variant relative risk distribution in England by variant type

Data as of 06 June 2021

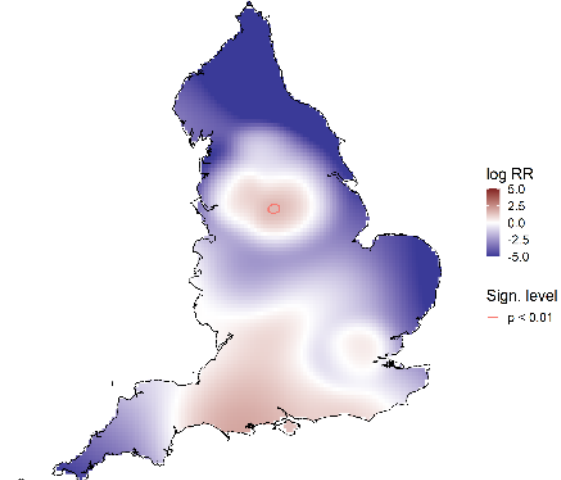
VUI-21FEB-04



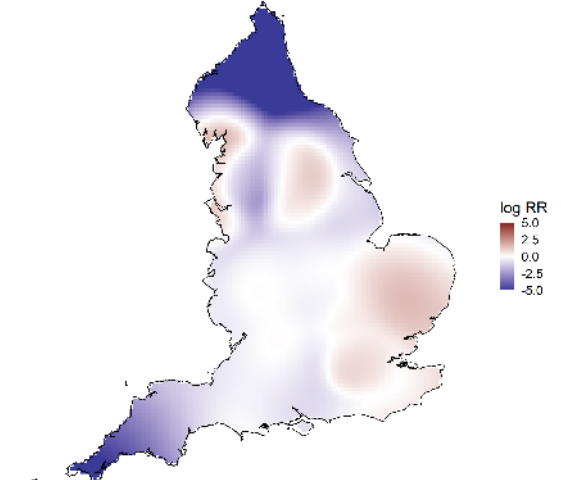
VUI-21MAY-01



VUI-21JAN-01



VUI-21MAY-02



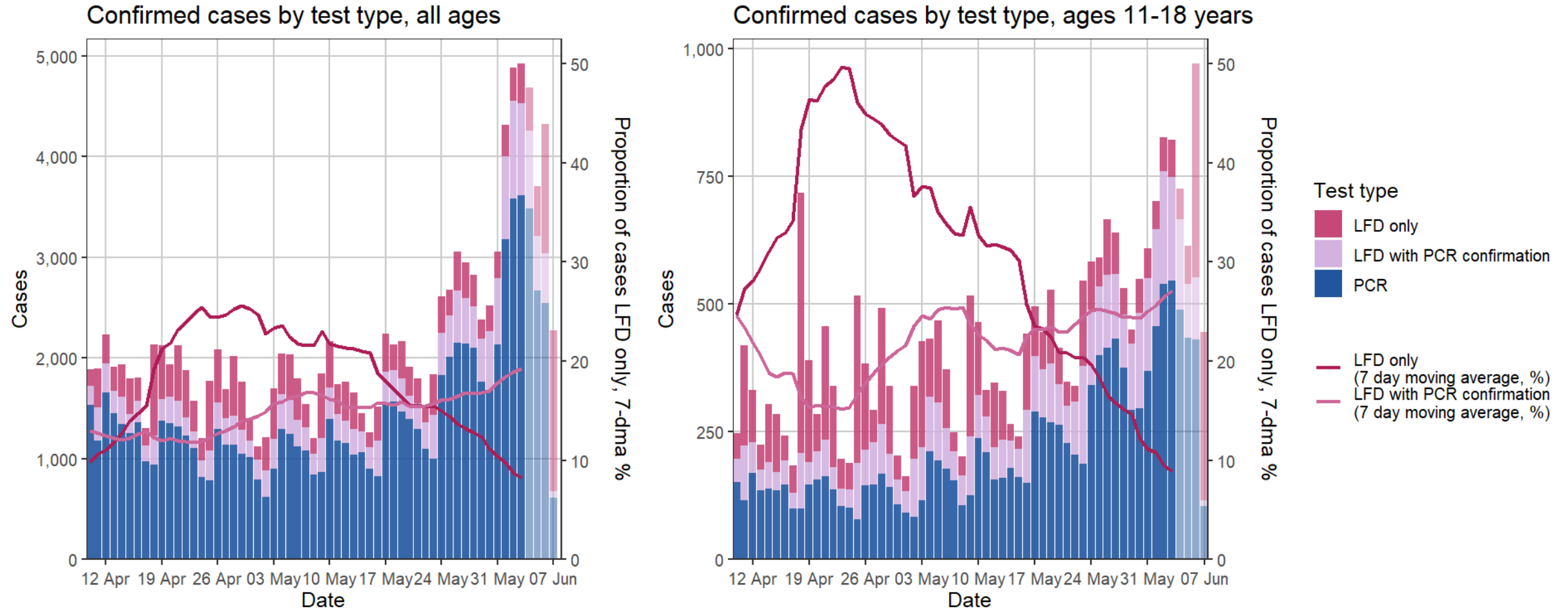
Areas where higher risk of infection is statistically significant (with 95% confidence) are shown by red contour lines. Spatial risk surface is estimated by comparing the smoothed intensity of variant cases and wildtype controls across a defined geographical areas to produce an intensity (or risk) ratio. If the ratio is -1, this suggests that the risk of infections is unrelated to spatial location. Evidence of spatial variation in risk occurs when the intensities differ. Ratio values >1 (red) indicate and increased risk and values <1 (blue) indicate lower risk.

Only variants with more than one confirmed case with no known travel-association are shown.

Data source: Genomically confirmed cases with no known travel association from National VAM line list as of 06/06/2021

Case numbers by test type in England

Data reporting 10 April 2021 to 07 June 2021

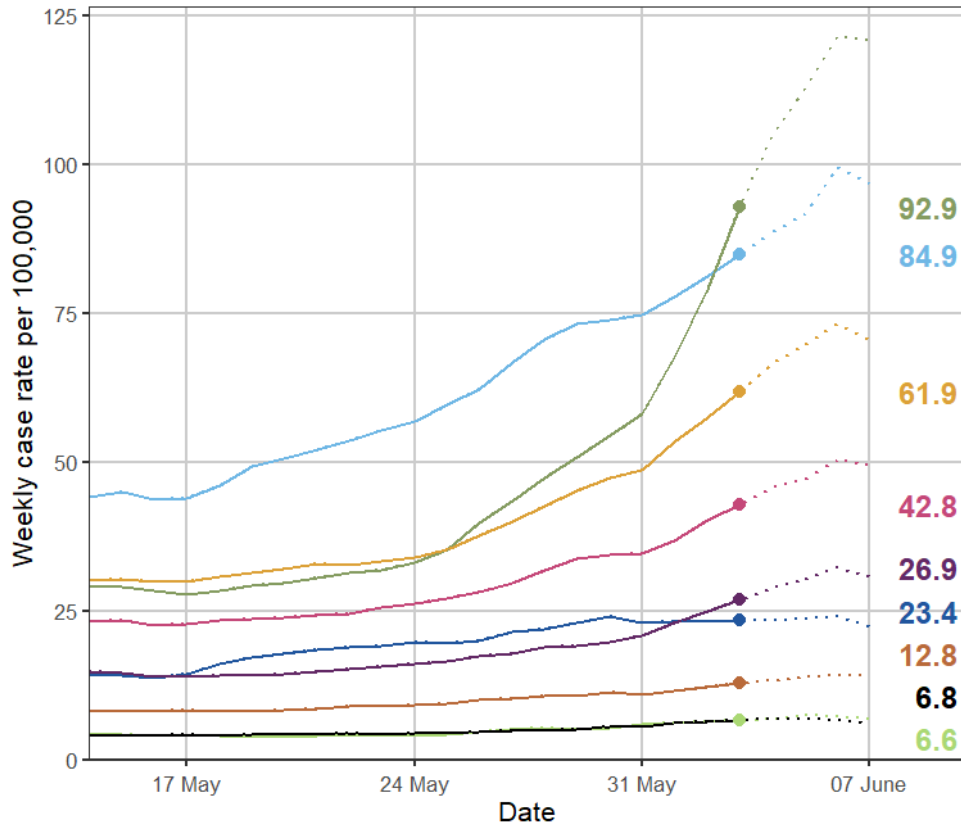


Data for the four most recent specimen dates is incomplete and will include cases for which PCR testing has not yet been reported and/or undertaken
 PCR = First positive specimen was a PCR test.
 LFD with PCR confirmation = Positive LFD with a positive PCR result within 3 days.
 LFD only = Positive LFD with no PCR results within 3 days.
 Data source: SGSS

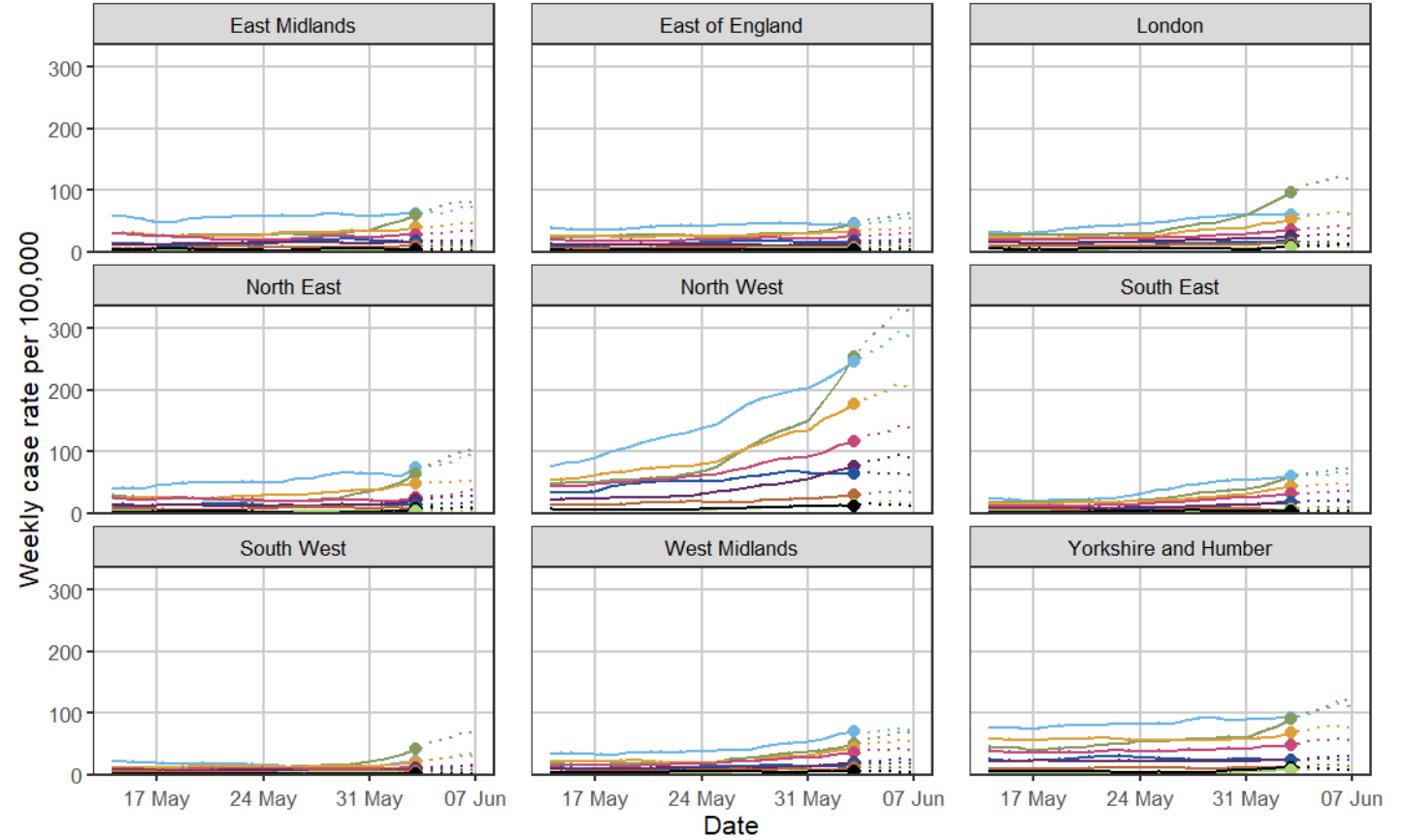
Case rate in England across both pillars 1 and 2 (weekly)

Data up to 03 June 2021

Weekly case rate per 100,000 population by age group



Weekly case rate per 100,000 population by age group

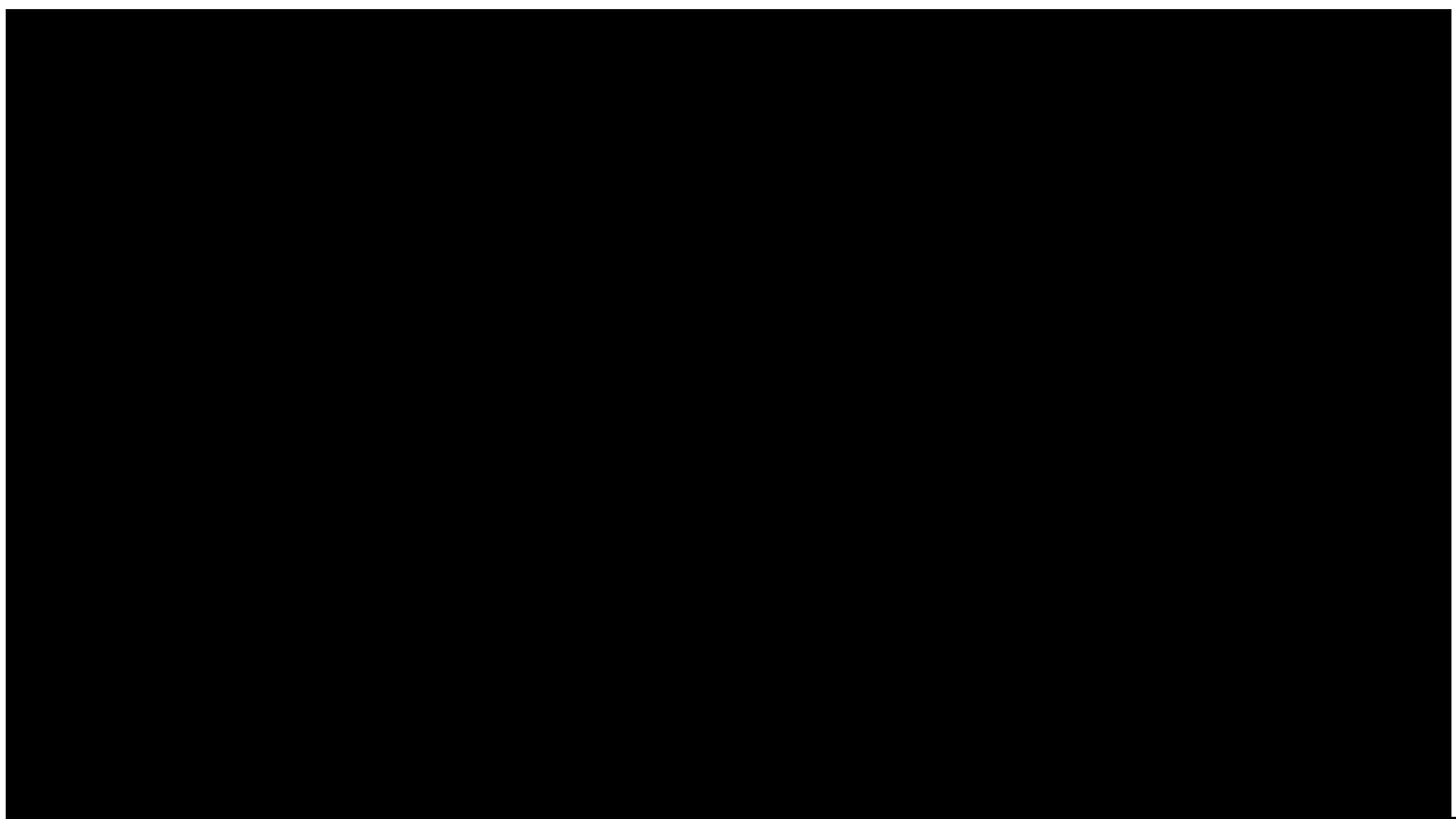


Age group, yrs

- 0-9
- 20-29
- 40-49
- 60-69
- 80+
- 10-19
- 30-39
- 50-59
- 70-79

Labels show weekly case rate for 28 May 2021 to 03 June 2021
Dashed lines indicate period with provisional data

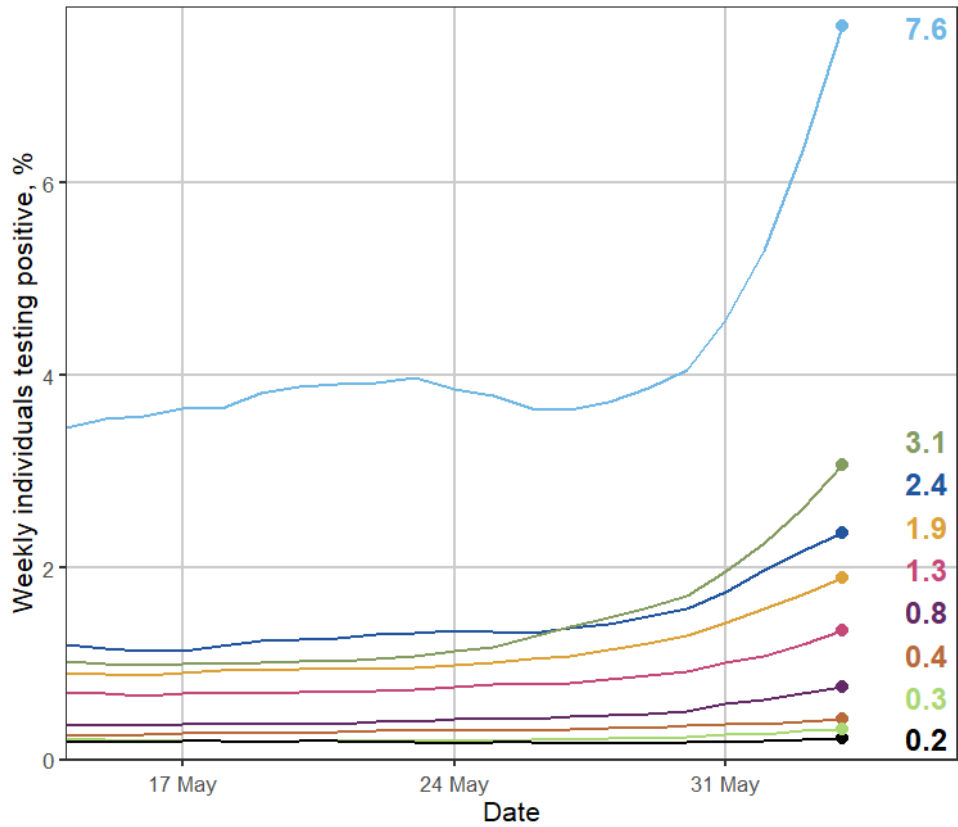
Dashed lines indicate period with provisional data



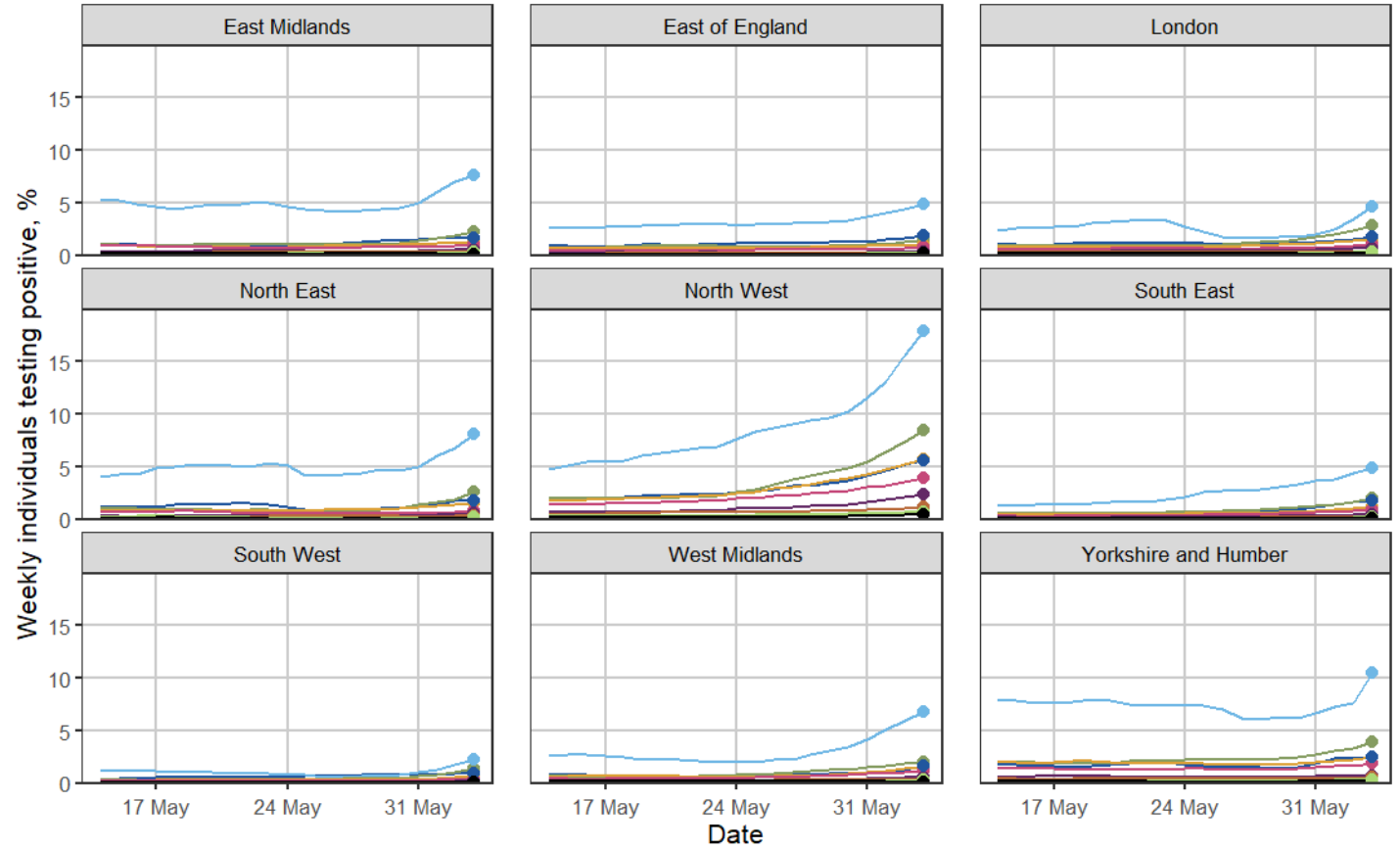
Percentage of individuals testing positive in England across both pillars 1 and 2 (weekly)

Data up to 03 June 2021

Weekly individual test positivity, %, by age group



Weekly individual test positivity, %, by age group



Age group, yrs

- 0-9
- 10-19
- 20-29
- 30-39
- 40-49
- 50-59
- 60-69
- 70-79
- 80+

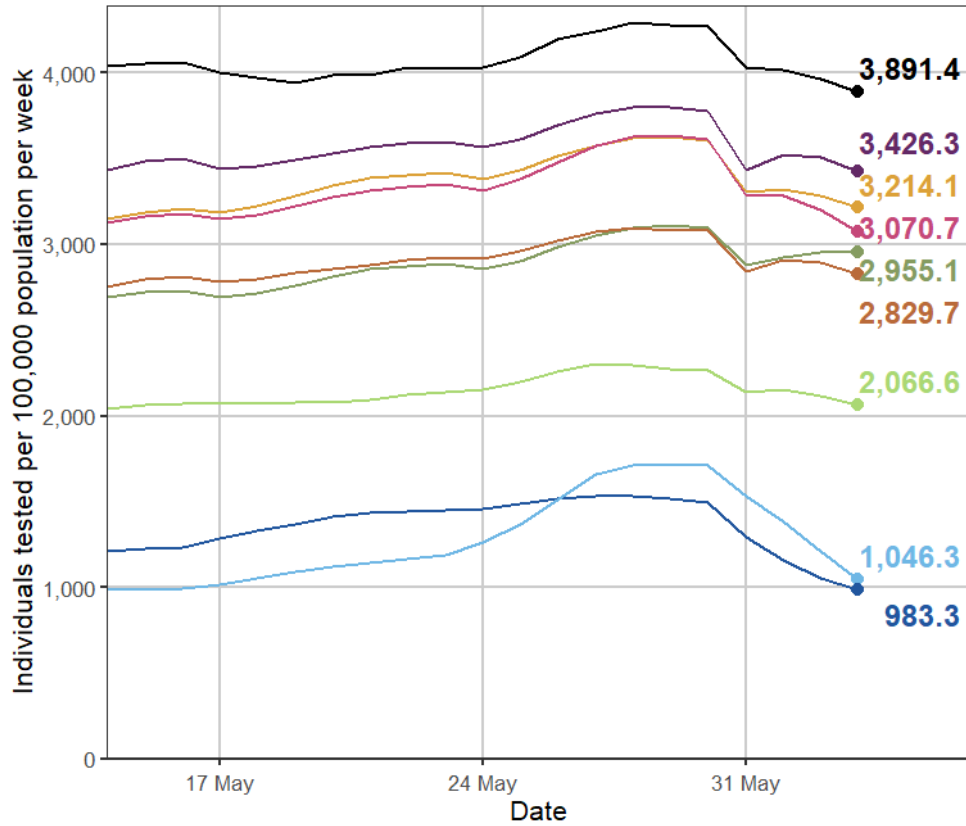
Labels show positivity rate for 28 May 2021 to 03 June 2021.
Excludes LFD tests

Excludes LFD tests

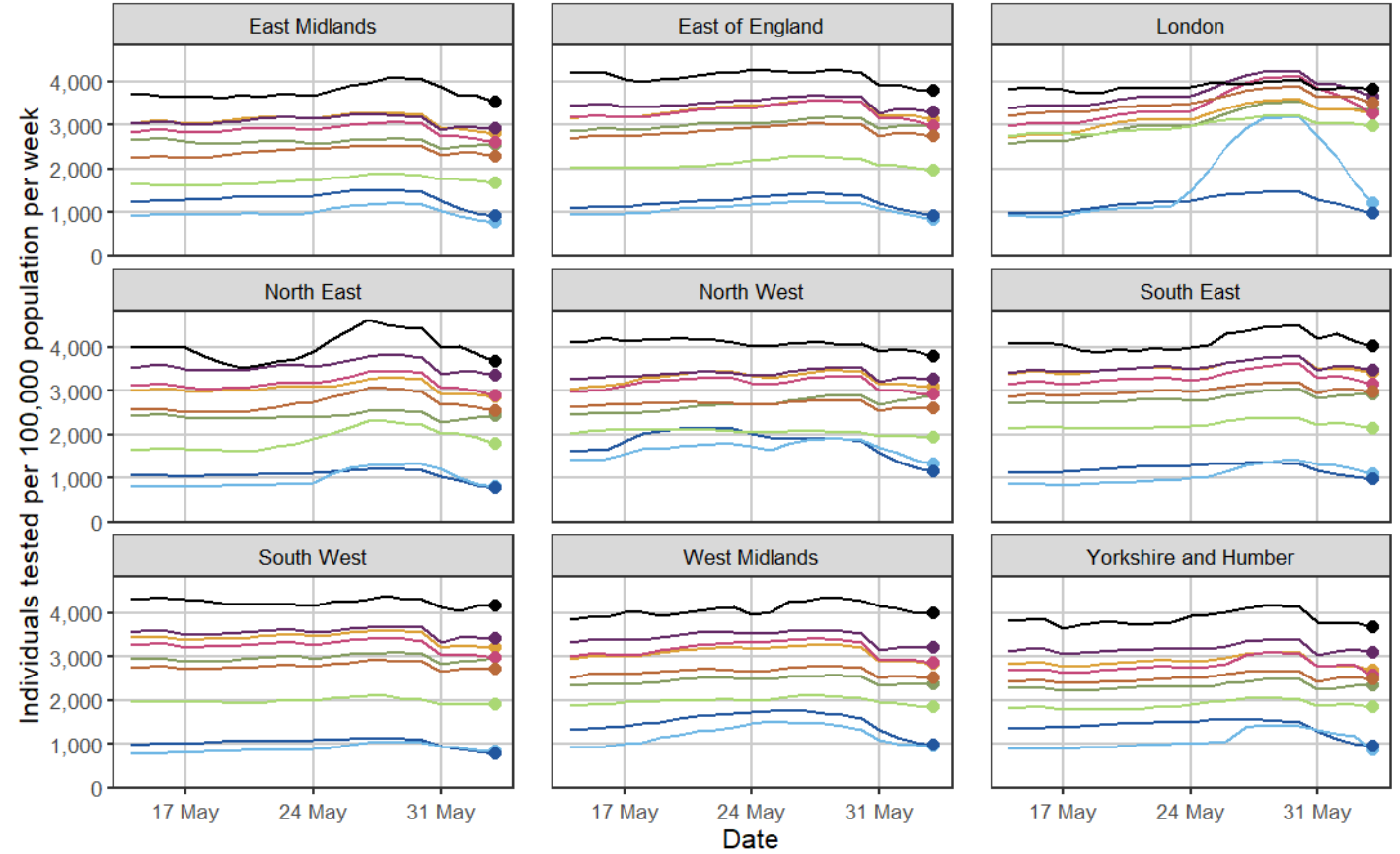
Individuals tested in England across both pillars 1 and 2 (weekly)

Data up to 03 June 2021

Individuals tested per 100,000 population



Individuals tested per 100,000 population



Age group, yrs

- 0-9
- 10-19
- 20-29
- 30-39
- 40-49
- 50-59
- 60-69
- 70-79
- 80+

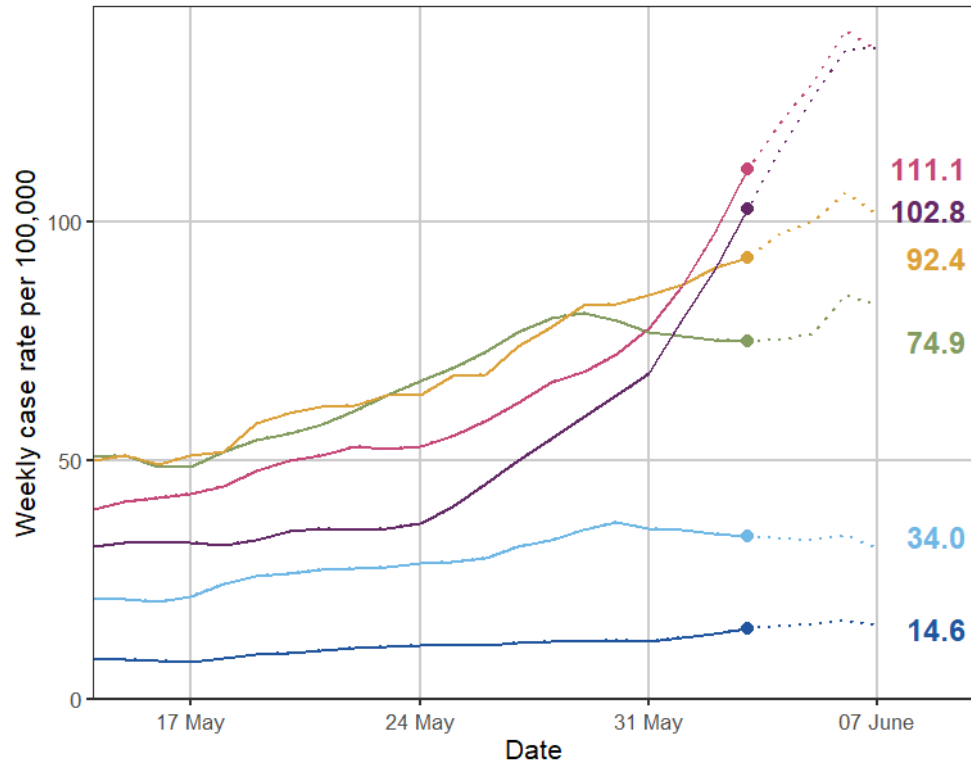
Labels show test rate for 28 May 2021 to 03 June 2021.
Excludes LFD tests

Excludes LFD tests

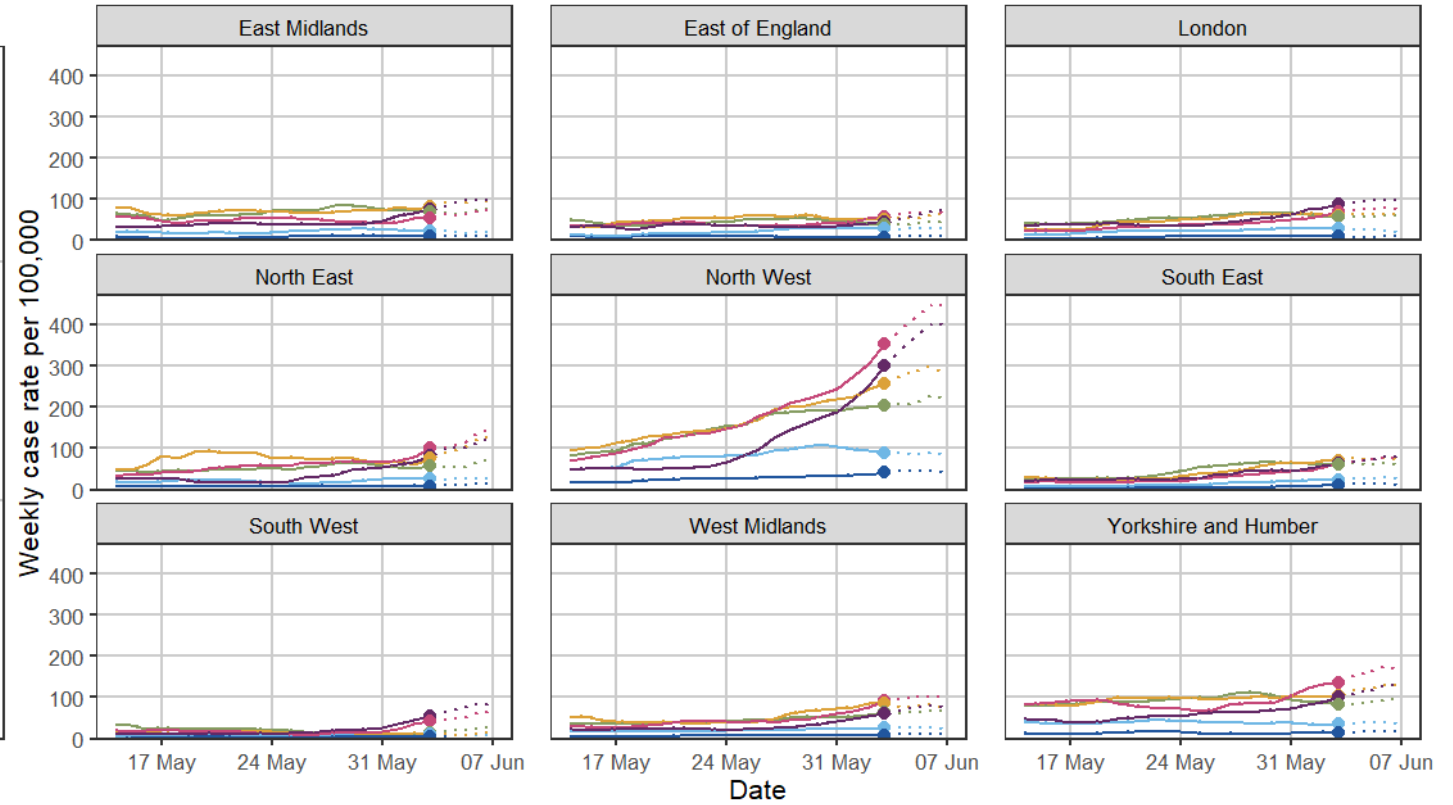
Case rate in England across both pillars 1 and 2 (weekly) - young people

Data up to 03 June 2021

Weekly case rate per 100,000 population by age group (0 to 21 year olds)



Weekly case rate per 100,000 population by age group (0 to 21 year olds)



Age group, yrs

- 0-4
- 11-14
- 17-18
- 5-10
- 15-16
- 19-21

Labels show weekly case rate for 28 May 2021 to 03 June 2021
Dashed lines indicate period with provisional data

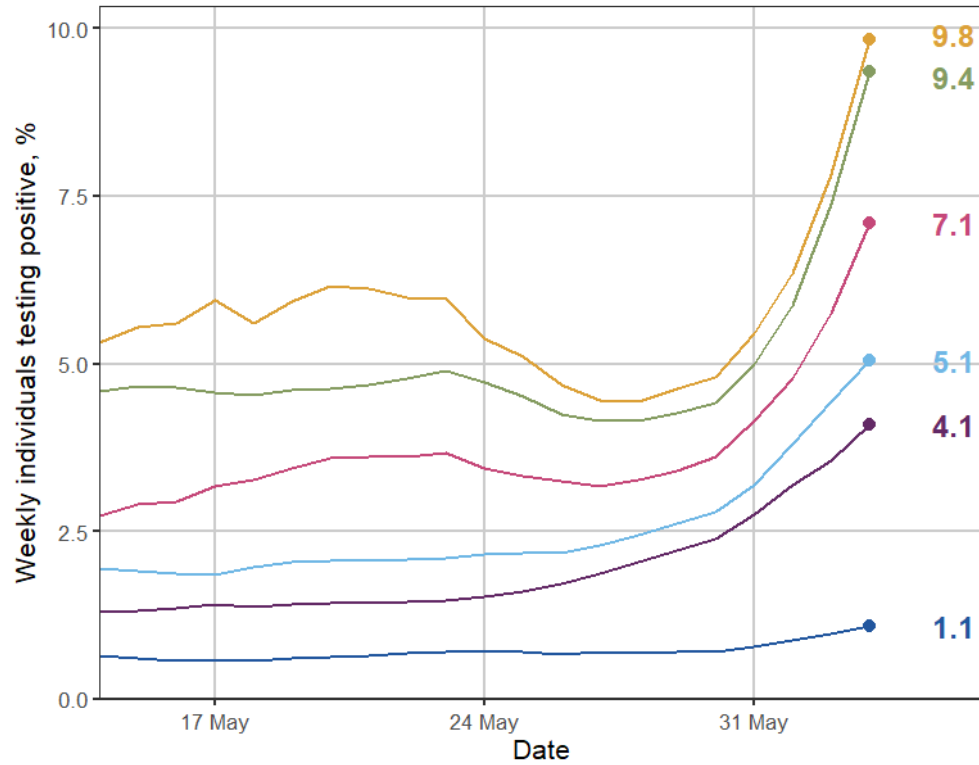
Dashed lines indicate period with provisional data



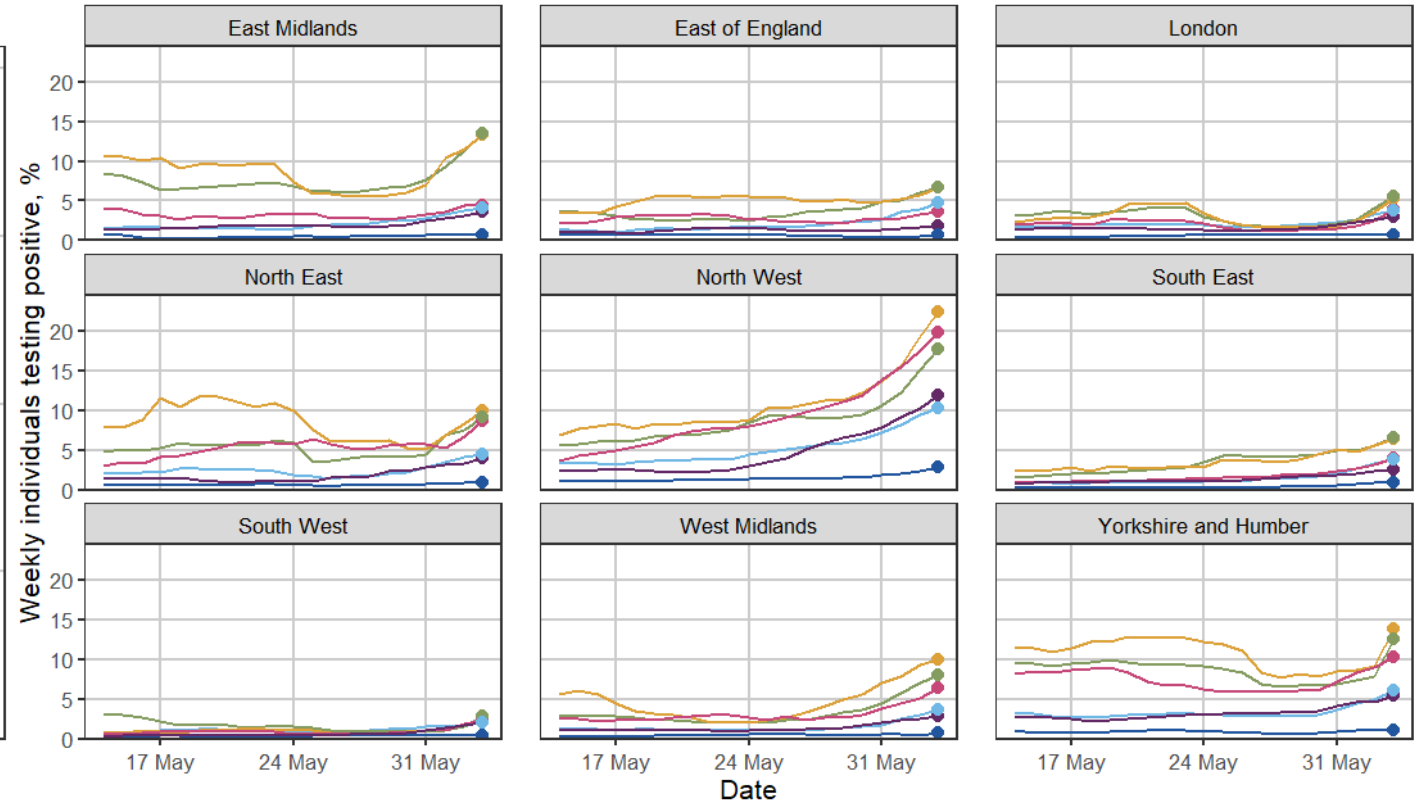
Percentage of individuals testing positive in England across both pillars 1 and 2 (weekly) - young people

Data up to 03 June 2021

Weekly individual test positivity, %, by age group (0 to 21 year olds)



Weekly individual test positivity, %, by age group (0 to 21 year olds)



Age group, yrs

- 0-4
- 11-14
- 17-18
- 5-10
- 15-16
- 19-21

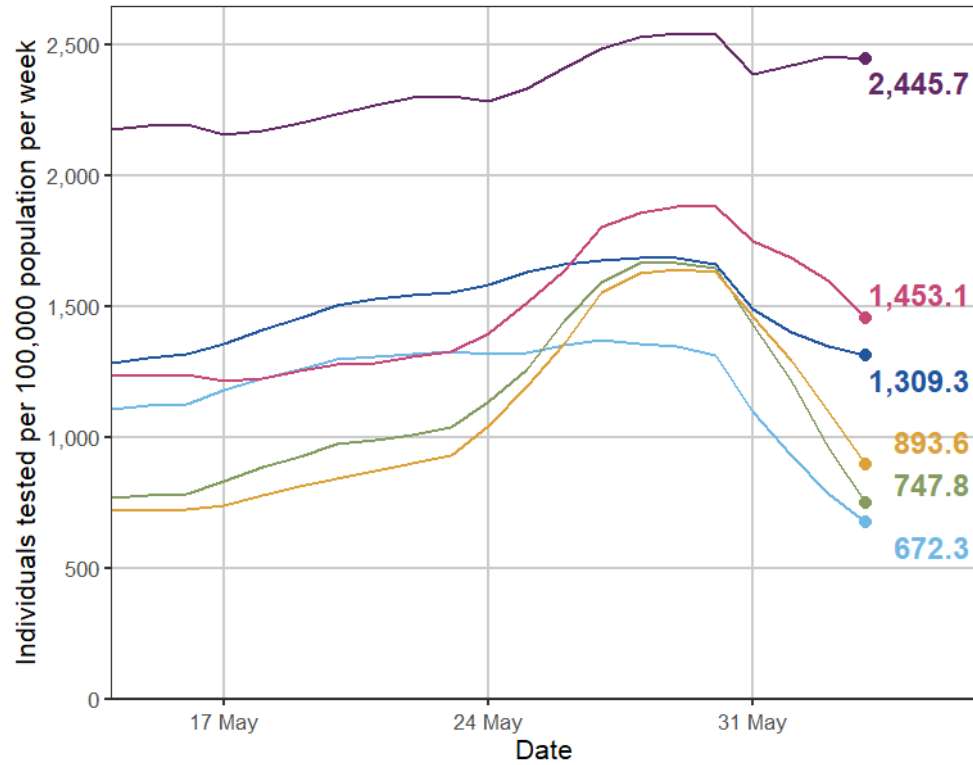
Labels show positivity rate for 28 May 2021 to 03 June 2021.
Excludes LFD tests

Excludes LFD tests

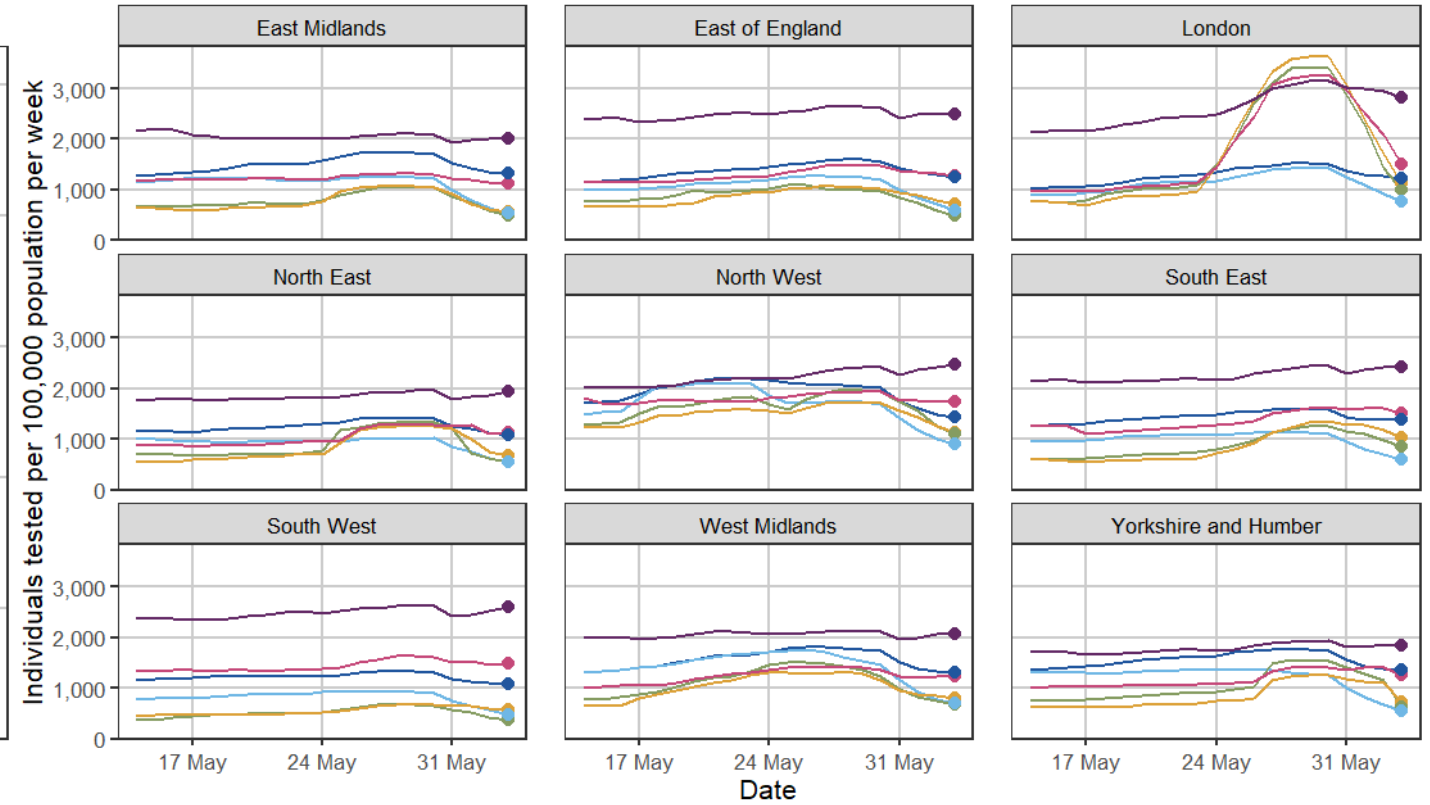
Individuals tested in England across both pillars 1 and 2 (weekly) - young people

Data up to 03 June 2021

Individuals tested per 100,000 population (0 to 21 year olds)



Individuals tested per 100,000 population (0 to 21 year olds)



Age group, yrs

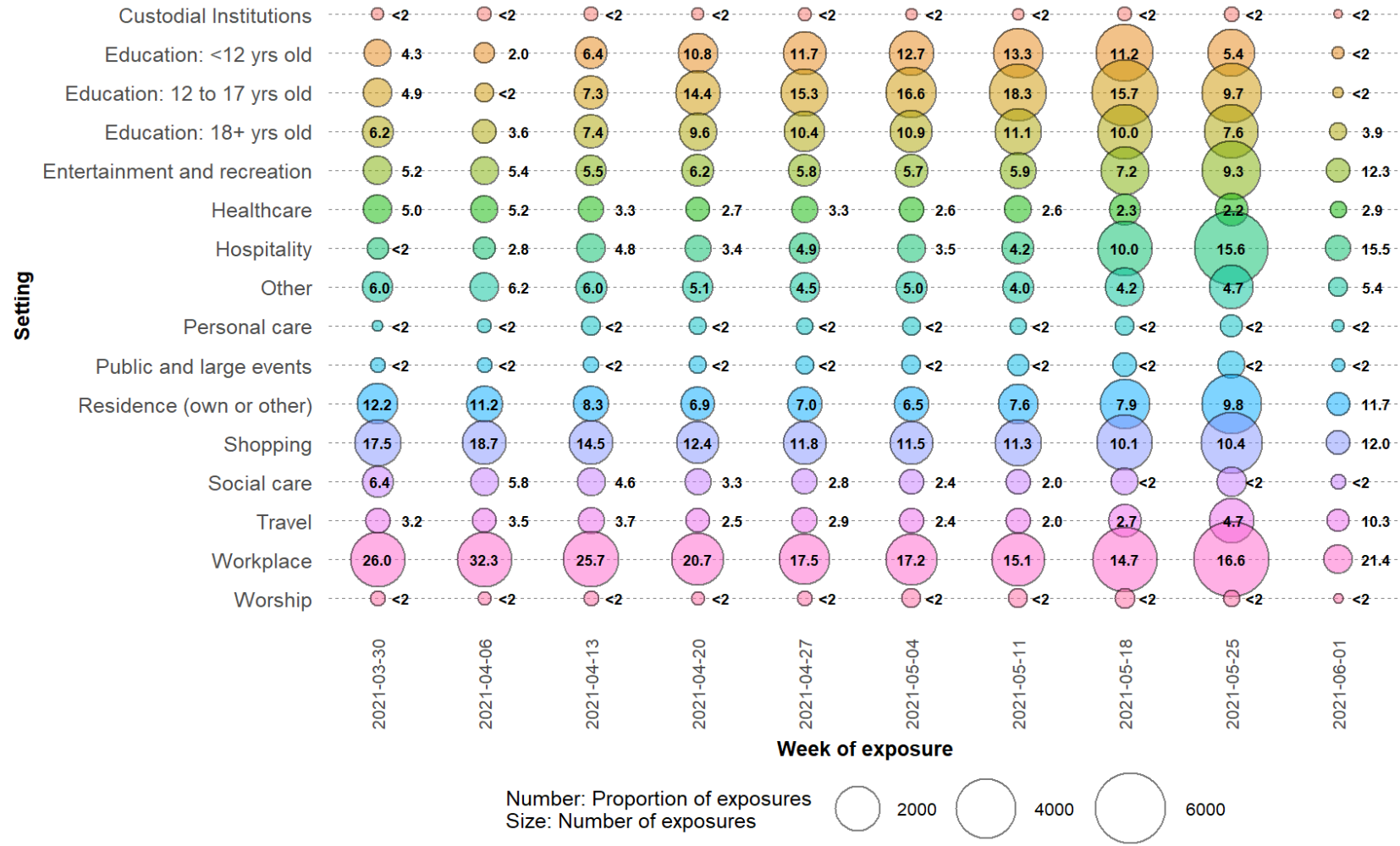
- 0-4
- 11-14
- 17-18
- 5-10
- 15-16
- 19-21

Labels show weekly testing rate for 28 May 2021 to 03 June 2021.
Excludes LFD tests

Excludes LFD tests



Exposure events reported by COVID-19 cases resident in England in the 7-2 days before symptom onset, by setting type and date of event (March 30 2021 to June 7 2021)

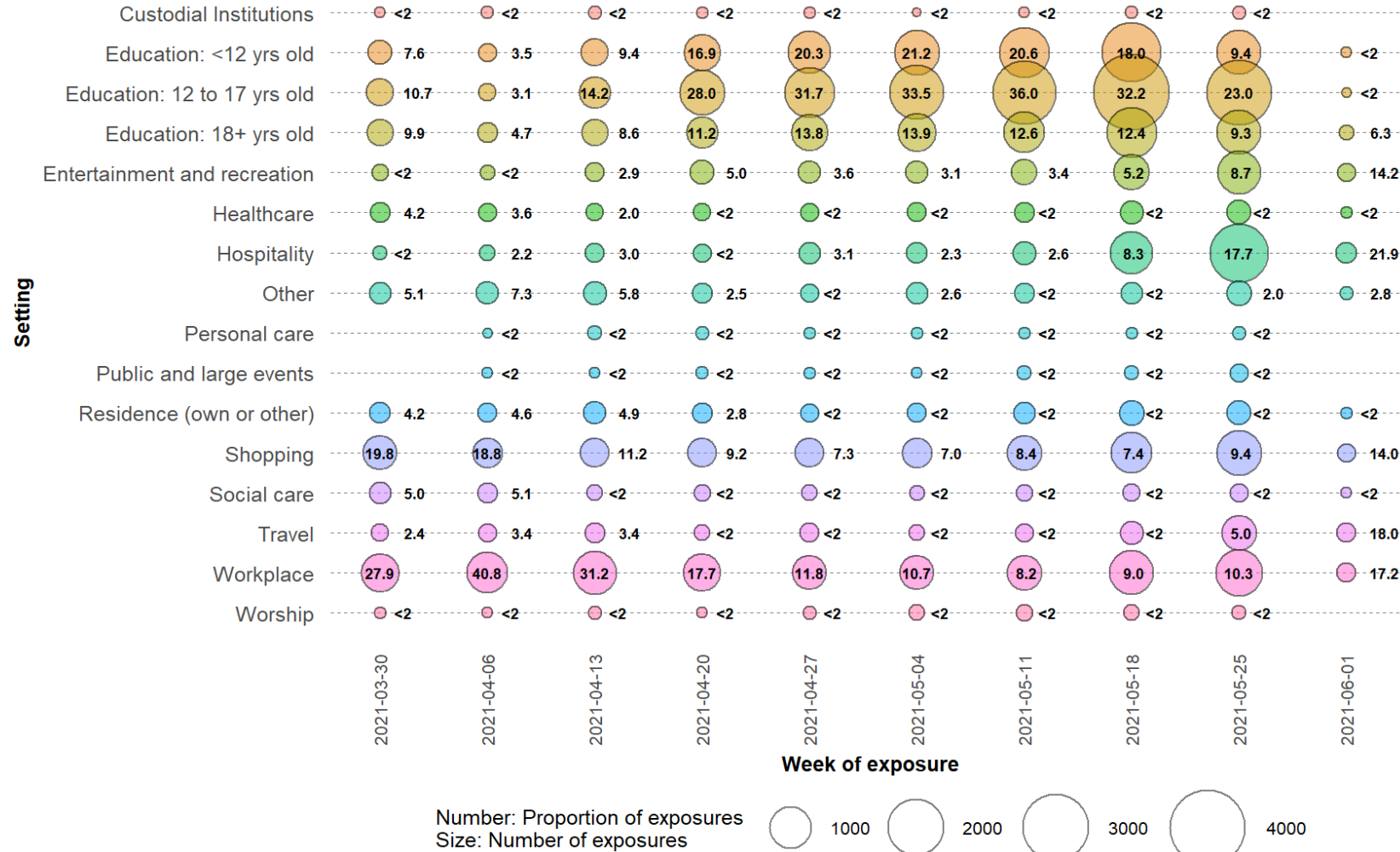


Exposure setting categories for surveillance and reporting are regularly reviewed to ensure they meet requirements for public health action during different phases of pandemic control. Categories used in this figure may change in future.

Data is grouped by 7 day period. The most recent 14 days may not have complete data yet.
Data: Common exposures line list from CTAS data, Public Health England.

Common exposure events* reported by COVID-19 cases resident in England, by setting type and date of event (March 30 2021 to June 7 2021)

*Location visits by at least two cases in the 7-2 days before symptom onset, within seven days of each other



Exposure setting categories for surveillance and reporting are regularly reviewed to ensure they meet requirements for public health action during different phases of pandemic control. Categories used in this figure may change in future.

Data is grouped by 7 day period. The most recent 14 days may not have complete data yet.
Data: Common exposures line list from CTAS data, Public Health England.



Percentage prevalence of COVID-19 across England and Government Office regions - table

Date of report 4 June 2021 by PHE Joint Modelling Cell

Methodology

Prevalence estimates were generated by the Cambridge real-time model on **28 May 2021** using data up to **22 May 2021**.

The percentage prevalence of COVID-19 infections in the regional populations are rated using the following scale:

- Low prevalence: less than 0.5%
- Medium prevalence: 0.5% to, but not including, 2%
- High prevalence: 2% and above.

These estimates are subject to, sometime significant, revision on a weekly basis. The underpinning model relies on death data which is subject to a reporting lag. In the weeks surrounding the implementation and relaxation of restrictions, it often takes a while for the system to settle, to account for the data lag and changes in mobility patterns. All prevalence estimates are reported as percentages, the values in parentheses represent the 5th and 95th percentiles respectively.

Further details on the Cambridge real-time model can be found [here](#)

Geography	28/05/2021	04/06/2021	11/06/2021
England	0.18 (0.16, 0.21)	0.21 (0.18, 0.25)	0.23 (0.19, 0.30)
North East	0.32 (0.22, 0.46)	0.34 (0.21, 0.58)	0.35 (0.19, 0.69)
Yorkshire and The Humber	0.19 (0.14, 0.26)	0.20 (0.13, 0.31)	0.21 (0.12, 0.36)
North West	0.09 (0.06, 0.13)	0.10 (0.06, 0.17)	0.10 (0.05, 0.22)
East Midlands	0.24 (0.16, 0.35)	0.28 (0.16, 0.46)	0.31 (0.15, 0.59)
West Midlands	0.17 (0.12, 0.25)	0.18 (0.11, 0.32)	0.19 (0.09, 0.38)
East of England	0.25 (0.18, 0.37)	0.31 (0.19, 0.53)	0.37 (0.20, 0.71)
London	0.18 (0.13, 0.25)	0.20 (0.13, 0.34)	0.23 (0.12, 0.44)
South East	0.09 (0.06, 0.12)	0.09 (0.05, 0.14)	0.08 (0.04, 0.15)
South West	0.24 (0.17, 0.34)	0.28 (0.17, 0.45)	0.32 (0.17, 0.58)

Revisions of note

Revisions lie within credible intervals of last week's report.

We acknowledge that there is significant within region variation particularly in the North West where there is concern in a number of Lower Tier Local Authorities which at current levels of infection our model is not powered to detect.

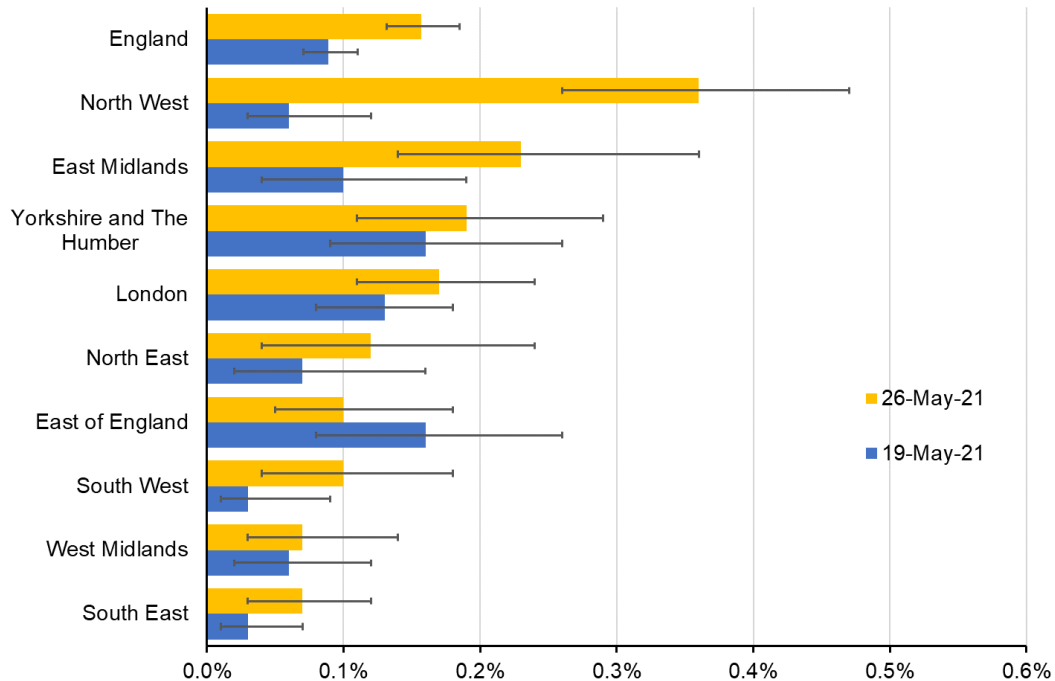
Estimated Prevalence by Region

ONS Coronavirus (COVID-19) Infection Survey (4 June)

In England, the percentage of people testing positive for coronavirus (COVID-19) has increased in the week ending 29 May 2021; we estimate that 85,600 people within the community population in England had COVID-19 (95% credible interval: 71,900 to 100,900), equating to around 1 in 640 people

In the week ending 29 May 2021, the percentage of people testing positive has increased in the North West, East Midlands and the South West. In the North West, there were a large number of positive results captured by the survey on the latest day of data collection, which may be magnifying the recent increase. This means that there is greater uncertainty than usual in the exact size of the increase. There were also signs of a possible increase in the percentage of people testing positive in the West Midlands and London in the week ending 29 May 2021. The trend is uncertain for all other regions in the same week.

ONS (COVID-19) Infection Survey- Prevalence by region



Coronavirus (COVID-19) Infection Survey, UK: 4 June

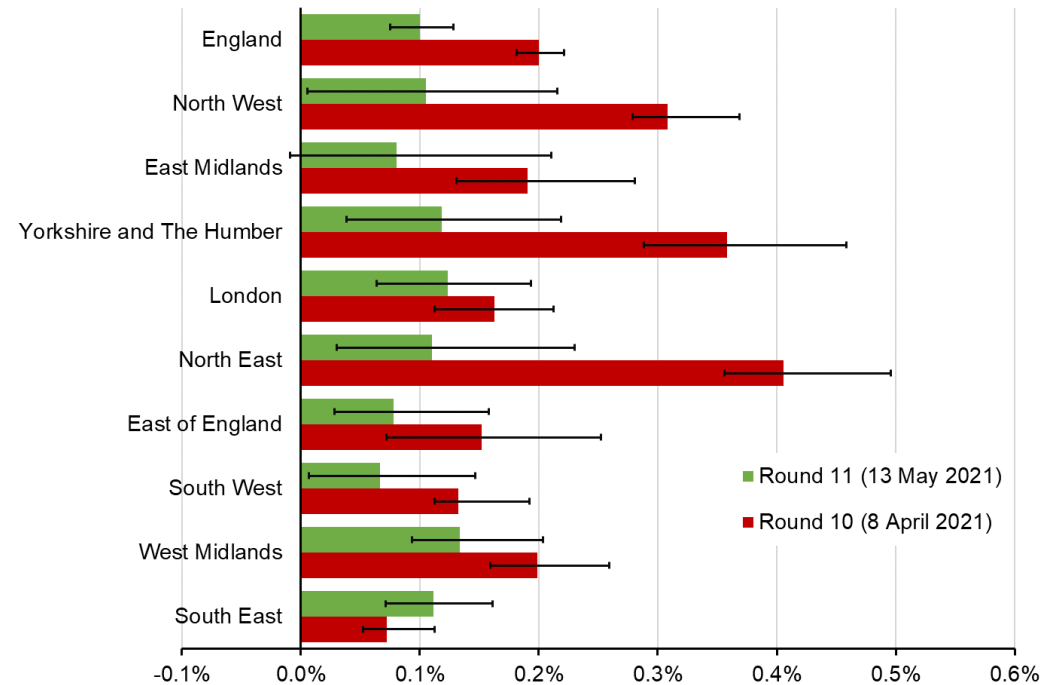
REACT-1 round 11 report (13 May)

Round 11 found 115 positives from 127,408 swabs giving a weighted prevalence of 0.10% (0.08%, 0.13%).

This represents a 50% reduction from round 10 in which the weighted prevalence was 0.20% (0.17%, 0.23%).

Weighted prevalence across regions ranged from 0.07% (0.03%, 0.17%) in the South West to 0.13% (0.07, 0.27%) in West Midlands.

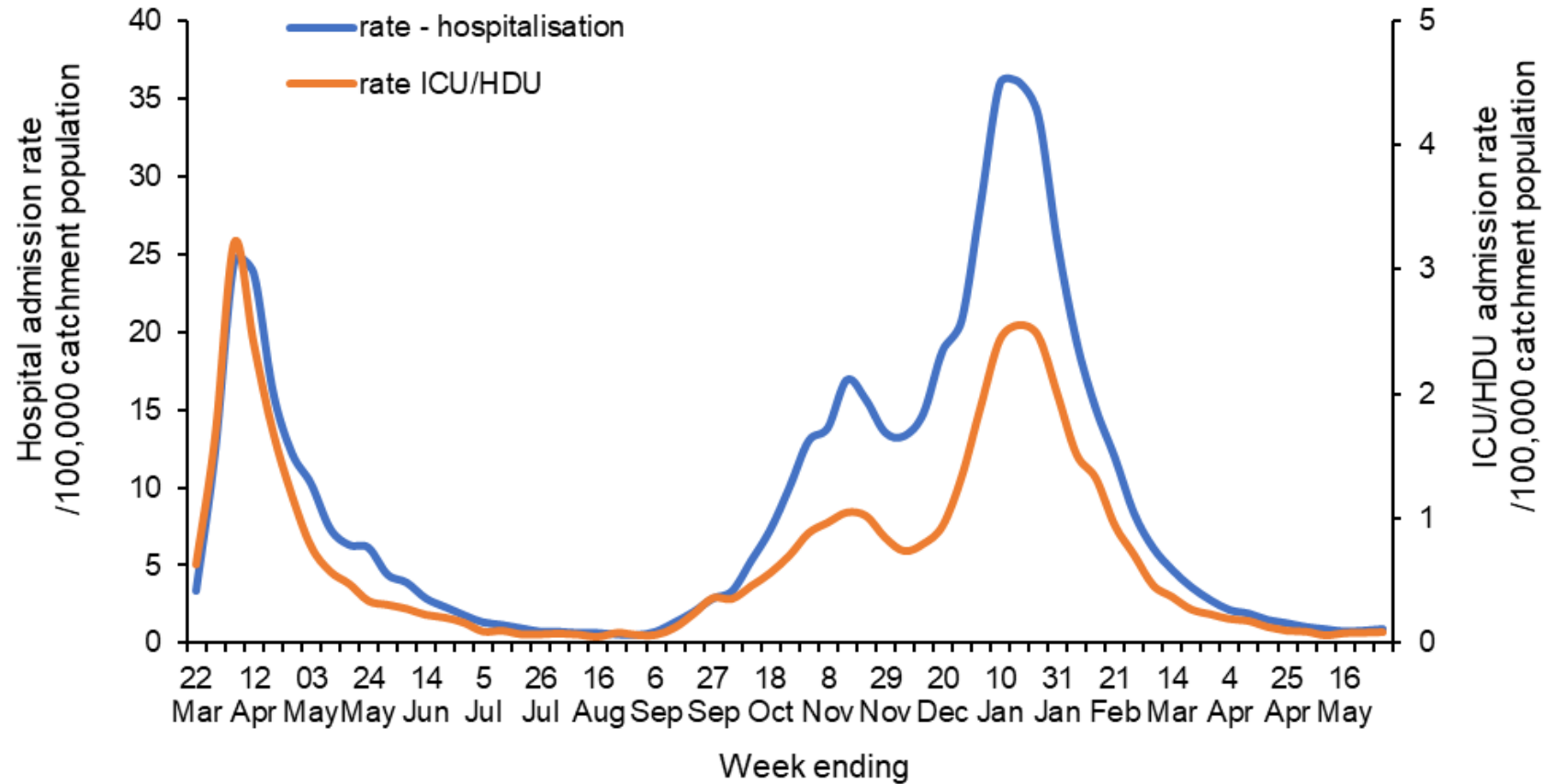
REACT-1 study - Prevalence by region



REACT-1 round 11 final report from 13/05/21.

Hospitalisations national trends

Trends in hospital and ICU/HDU admission rates for confirmed COVID-19, NHS acute trusts, England



Hospital admissions refers to admissions to all levels of care inclusive of ICU/HDU admissions

