COVID-19 SITUATIONAL AWARENESS

SUMMARY

MAIN REPORT
25 May 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.

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

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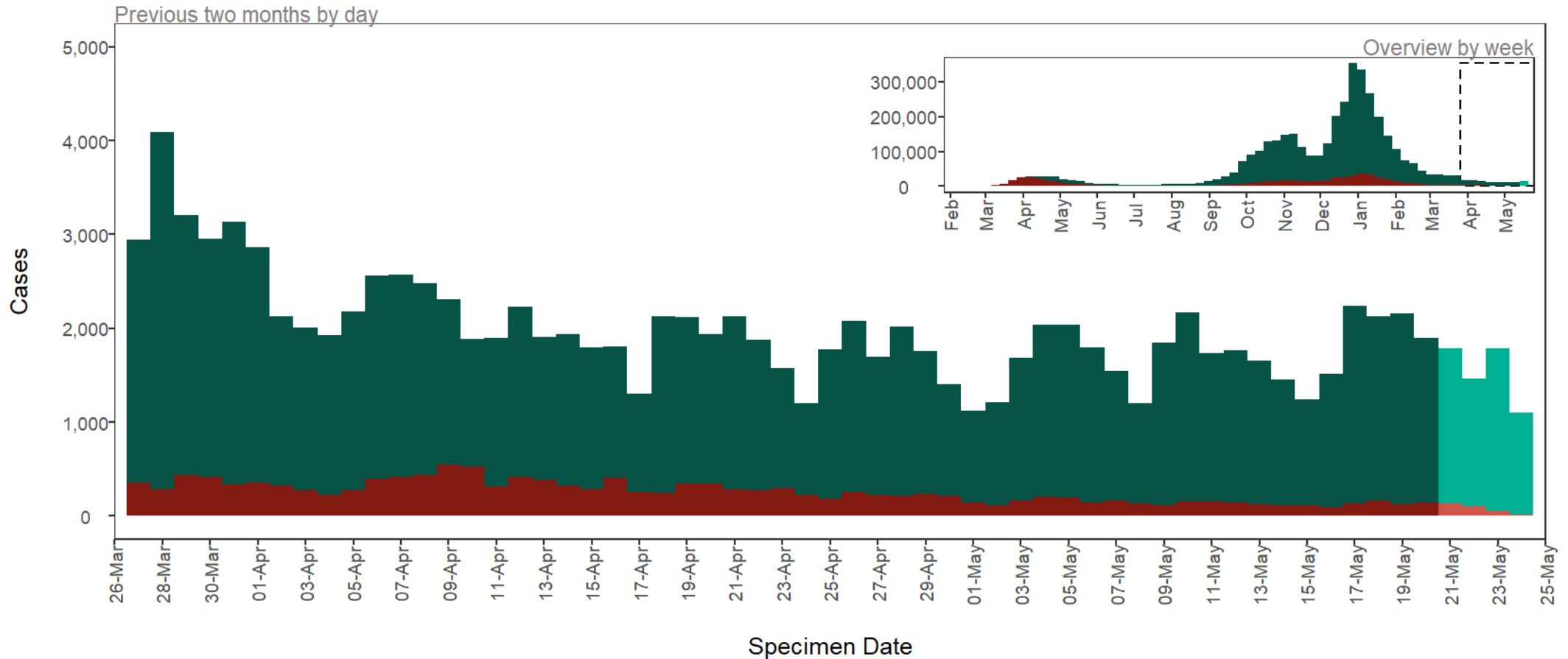
Bars shaded in light red and light green are provisional. Figures are expected to change as results are received for additional samples tested during this period.
Inset epi curve is based on weekly reports from date of first case diagnosed. Main epi curve shows daily cases truncated to show the previous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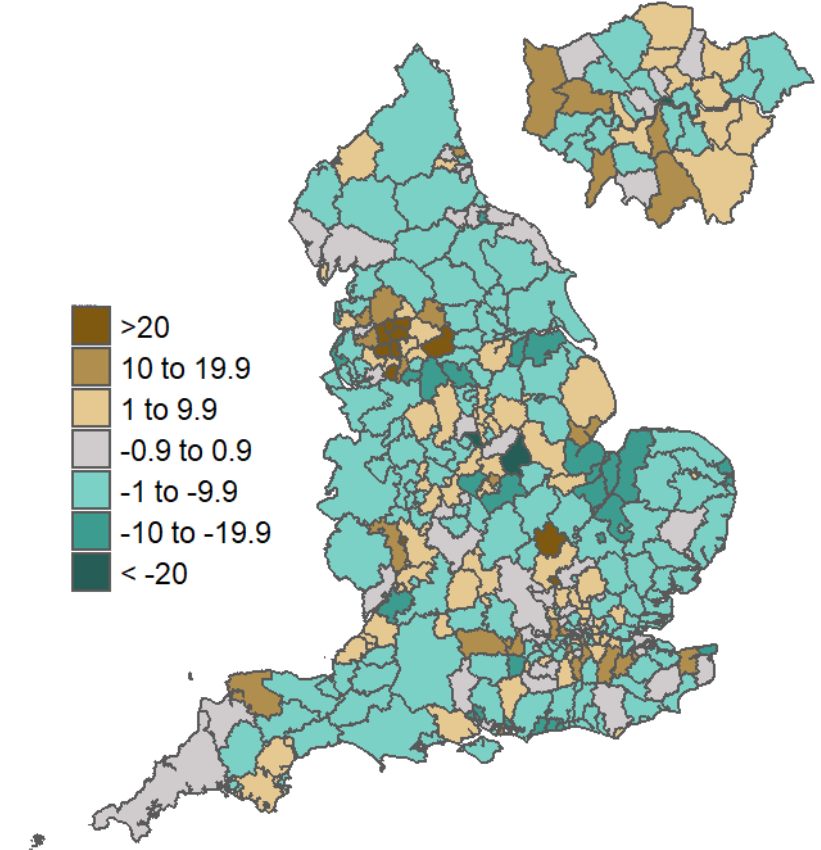Value labels are for combined pillar 1 and pillar 2 cases.

Produced by the Outbreak Surveillance Team, Public Health England.

Case Rates - Geographical spread of COVID-19 in England

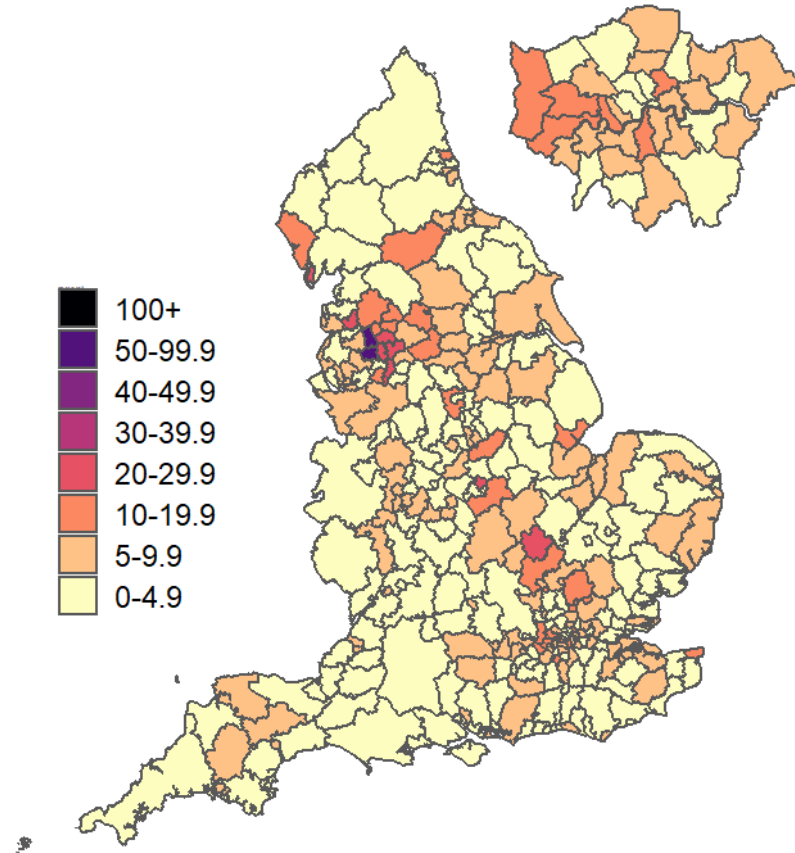Weekly case rates per 100,000 population
by local authority
14 May to 20 May 2021
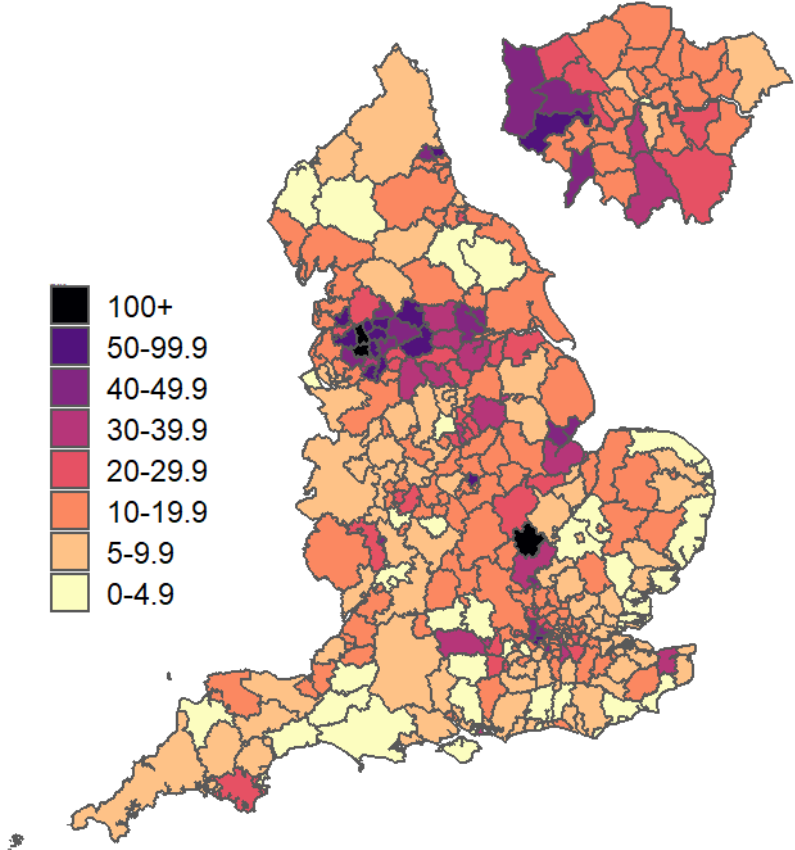
■	100+
■	50-99.9
■	40-49.9
■	30-39.9
■	20-29.9
■	10-19.9
■	5-9.9
■	0-4.9

Absolute case rate change per 100,000 population
by local authority
07 May to 13 May 2021 and 14 May to 20 May 2021

■	>20
■	10 to 19.9
■	1 to 9.9
■	-0.9 to 0.9
■	-1 to -9.9
■	-10 to -19.9
■	< -20

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
14 May to 20 May 2021

100+
50-99.9
40-49.9
30-39.9
20-29.9
10-19.9
5-9.9
0-4.9

Absolute case rate change per 100,000 population
by local authority
07 May to 13 May 2021 and 14 May to 20 May 2021

>20
10 to 19.9
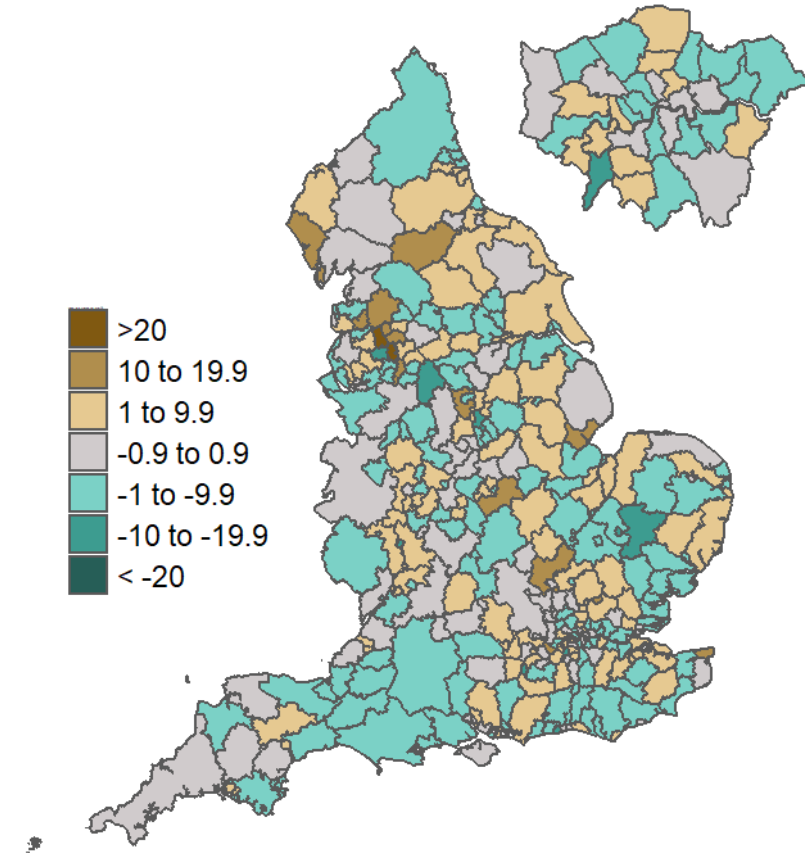1 to 9.9
-0.9 to 0.9
-1 to -9.9
-10 to -19.9
< -20

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 (14 May 2021 to 20 May 2021)

	Individuals tested per day per 100,000 population		Percentage individuals test positive		Number of LTLAs by RAG status of percentage of individuals test positive (weekly)			Percentage individual cases reporting symptoms (Pillar 2 only)		Case rate per 100,000 population		Number of LTLAs by RAG status of 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 11-16 year olds		Case rate per 100,000 population aged 17-21 year olds		Community outbreaks (Last 7 days)	Confirmed cases in previous 7 days	specimens tested in TaqPath labs, % in last 7 days	with SGTF *, %
	7-day moving average	7-day change. %	7-day moving average	7-day change. %	Red	Amber	Green	7-day moving average	7-day change. %	7-day moving average	7-day change. %	Red	Amber	Green	7-day moving average	7-day change. %	7-day moving average	7-day change. %	7-day moving average	7-day change. %				
East Midlands	341.1	2.2%	0.8%	-20.0%	0	0	35			21.1	-11.3%	1	8	26	5.9	5.4%	65.3	-11.5%	42.2	5.8%			58.5	55.8
East of England	379.4	3.9%	0.6%	0.0%	0	1	45			17.5	-2.8%	1	4	41	5.0	-2.0%	42.0	-6.7%	39.1	22.6%			47.4	34.4
London	381.1	8.3%	0.8%	14.3%	0	0	33			21.2	9.3%	1	7	25	7.1	-10.1%	46.3	23.8%	38.4	47.1%			25.9	34.9
North East	339.3	-2.2%	0.8%	0.0%	0	0	12			19.4	-4.4%	1	1	10	4.9	-12.5%	62.1	34.7%	28.4	-14.7%			2.7	33.3
North West	398.0	9.6%	1.7%	21.4%	1	1	37			48.9	35.1%	10	5	24	11.5	18.6%	125.2	51.9%	77.7	45.0%			59	21.1
South East	373.6	1.9%	0.4%	33.3%	0	0	63			11.5	-3.4%	0	7	56	3.7	-15.9%	26.0	-13.0%	23.1	10.5%			21.6	37.3
South West	374.7	-0.1%	0.3%	50.0%	0	0	30			8.9	-7.3%	0	2	28	2.8	-31.7%	21.4	-20.4%	14.7	14.8%			8.7	31.6
West Midlands	368.4	8.6%	0.5%	-16.7%	0	0	30			15.4	2.7%	0	1	29	4.5	-2.2%	39.5	-2.9%	29.4	12.6%			60.4	61
Yorkshire and Humber	331.6	0.6%	1.5%	-6.3%	0	1	20			35.2	-4.6%	2	8	11	6.9	-17.9%	93.4	9.1%	61.2	1.0%			31.3	80
England	**381.9**	4.3%	**0.8%**	0.0%	1	3	305			**22.5**	6.1%	16	43	250	5.9	-4.8%	**56.9**	12.2%	**40.6**	20.1%		12,639	35.6	34.4

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 14 May 2021 and 20 May 2021

7-day change % demonstrates how figures compare to the equivalent figure as of 13 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 (14 May 2021 to 20 May 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, %	
North West	Bolton	1105.1	+91.4%	6.1%	-16.4%			451.4		+ 59.8%	61.5	-16.7%	1251.1	+100.7%	544.6	+ 47.5%			82.4%	6.0%
North West	Blackburn with Darwen	496.0	+29.5%	8.3%	+ 88.6%			280.6		+145.7%	95.2	+100.0%	414.2	+152.4%	699.3	+190.9%			67.2%	5.0%
East of England	Bedford	650.7	+21.9%	4.2%	+ 31.2%			186.4		+ 51.7%	22.2	+ 50.0%	479.5	+ 24.0%	454.8	+ 60.0%			46.8%	10.7%
Yorkshire and Humber	Kirklees	313.6	+ 3.5%	4.2%	+ 27.3%			99.4		+ 44.3%	17.6	+ 6.0%	323.3	+ 57.4%	208.9	+107.7%			32.9%	50.0%
North West	Rossendale	372.9	+ 8.4%	2.6%	+225.0%			76.9		+266.2%	22.6	+296.5%	380.0	+900.0%	0.0	-100.0%			61.9%	15.0%
North West	Burnley	466.1	+18.0%	2.3%	+ 15.0%			76.5		+ 41.7%	13.7	+ 50.5%	136.2	+125.1%	88.6	+ 33.4%			63.2%	15.0%
North West	Hyndburn	400.5	+ 5.0%	2.5%	+108.3%			66.6		+ 68.6%	15.4	+202.0%	115.9	-22.2%	159.5	+249.8%			61.1%	21.3%
North West	Bury	325.3	+ 6.9%	2.6%	+100.0%			61.3		+109.2%	28.6	+333.3%	196.9	+180.1%	125.3	+140.0%			58.5%	38.1%
North West	Manchester	360.8	+ 5.7%	2.3%	+ 21.1%			59.3		+ 36.0%	23.9	+ 89.7%	129.9	+ 26.4%	66.1	+ 17.2%			53.4%	39.5%
North West	Chorley	444.9	-11.0%	1.8%	+ 63.6%			58.4		+ 50.1%	6.5	+ Inf%	221.2	+100.0%	225.7	+100.1%			64.8%	17.2%
East Midlands	Leicester	366.8	+ 3.3%	2.3%	+ 27.8%			57.6		+ 26.0%	28.8	+ 21.5%	115.0	+ 30.4%	113.6	+ 53.9%			58.3%	23.0%
North West	Trafford	300.5	+11.4%	2.7%	+ 68.8%			56.9		+ 87.8%	11.1	-14.6%	104.5	+185.5%	81.5	+ 79.9%			53.1%	45.8%
North East	North Tyneside	362.0	+ 3.2%	2.0%	+ 66.7%			52.4		+ 60.2%	14.5	-11.0%	130.3	+349.3%	42.5	-20.1%			2.5%	-
Yorkshire and Humber	Bradford	343.3	+ 5.1%	2.3%	+ 35.3%			51.7		+ 31.6%	12.9	-33.2%	132.2	+ 82.3%	68.4	+ 15.0%			25.2%	-
London	Hounslow	433.3	+ 0.1%	1.7%	-5.6%			51.6		-11.9%	13.1	-39.9%	115.7	-24.1%	95.7	0.0%			20.2%	4.8%
North West	Preston	448.1	+ 6.8%	1.6%	+ 33.3%			50.3		+ 47.1%	21.3	+200.0%	39.2	0.0%	37.1	-42.8%			54.3%	8.5%
North West	Pendle	383.7	+ 6.6%	1.7%	+ 6.2%			49.9		+ 12.1%	13.3	-39.8%	60.2	+100.0%	85.6	0.0%			57.6%	10.5%
East Midlands	Boston	383.7	+ 4.0%	1.8%	+ 38.5%			49.9		+ 34.5%	10.5	+ Inf%	247.8	+120.1%	185.2	+499.4%			44.8%	100.0%
East of England	Luton	500.4	+10.1%	1.4%	+ 75.0%			49.8		+ 71.1%	8.3	0.0%	75.2	+224.1%	107.0	+ 62.4%			40.0%	39.0%
West Midlands	Worcester	374.8	+ 7.9%	1.8%	+100.0%			48.4		+104.2%	0.0	-100.0%	88.9	+500.7%	41.2	+ 50.4%			59.6%	95.2%
	England	381.9	+ 4.3%	0.8%	0.0%			22.5		+ 6.1%	5.9	-4.8%	56.9	+ 12.2%	40.6	+ 20.1%		12,639	35.6%	34.4%

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 (14 May 2021 to 20 May 2021)

| Region	LTLA	Individuals tested per day per 100,000 population 7-day moving average	7-day change %	Percentage individuals test positive Weekly	7-day change %	Percentage individual cases reporting symptoms Weekly, Pillar 2 only	7-day change %	Case rate per 100,000 population, all ages Weekly	3 week trend	7-day change %	Case rate per 100,000 population aged 60 years and over Weekly	7-day change %	Case rate per 100,000 population aged 11-16yrs Weekly	7-day change %	Case rate per 100,000 population aged 17-21yrs Weekly	7-day change %	Community outbreaks Last 7 days	Newly confirmed cases Last 7 days	Specimens tested with TaqPath assay Last 7 days, %	Cases with SGTF
South East	Canterbury	364.6	+ 7.1%	1.4%	+250.0%			33.3		+139.6%	2.3	-80.2%	76.4	+ 59.8%	88.1	+300.5%			32.3%	2.1%
South East	Wokingham	314.4	+ 1.4%	1.0%	+150.0%			28.1		+109.7%	7.6	+204.0%	44.3	+ 20.1%	23.5	+100.9%			26.3%	33.3%
London	Lambeth	377.3	+12.1%	1.3%	+ 62.5%			38.0		+ 93.9%	10.1	-33.6%	157.4	+500.8%	64.0	+ Inf%			21.4%	6.2%
South East	Portsmouth	314.5	+ 4.2%	1.1%	+ 83.3%			31.2		+ 91.4%	5.0	+ Inf%	93.4	+224.3%	32.9	+ 75.0%			32.8%	100.0%
London	Kingston upon Thames	341.2	-1.1%	1.6%	+100.0%			42.3		+ 83.1%	3.0	-83.5%	32.4	-33.3%	140.4	+ Inf%			16.1%	23.1%
South East	Reading	440.9	+ 4.3%	1.2%	+140.0%			37.1		+ 81.9%	7.4	+100.0%	36.5	0.0%	24.6	+ 50.0%			26.2%	21.4%
South East	West Berkshire	345.9	+18.3%	1.3%	+ 62.5%			34.1		+ 58.6%	5.0	-33.3%	39.7	0.0%	52.8	+300.0%			28.0%	100.0%
London	Croydon	375.6	+ 8.1%	1.4%	+ 40.0%			37.2		+ 36.8%	6.9	-15.9%	83.0	+ 47.2%	46.6	+125.1%			26.2%	11.1%
London	Ealing	421.4	+20.5%	1.5%	0.0%			43.0		+ 32.3%	19.6	+ 71.9%	52.2	+ 30.2%	80.7	+ 27.3%			19.8%	20.0%
North West	Salford	357.4	+ 3.1%	1.2%	+ 9.1%			32.5		+ 29.5%	4.1	-50.0%	75.7	+160.1%	36.3	+ 50.0%			44.5%	34.4%
London	Hillingdon	548.1	-1.0%	1.2%	+ 33.3%			46.9		+ 28.5%	16.2	0.0%	98.4	+ 37.6%	60.2	+267.1%			23.8%	20.6%
London	Greenwich	375.7	+12.1%	0.9%	+ 12.5%			28.5		+ 24.5%	4.8	-32.4%	64.1	0.0%	53.0	+ 33.5%			32.2%	42.1%
East Midlands	Gedling	292.0	+13.3%	1.4%	+ 7.7%			28.0		+ 22.3%	3.1	-67.0%	113.0	+ 12.4%	74.8	+ Inf%			67.8%	32.3%
East Midlands	Newark and Sherwood	373.9	+21.9%	1.1%	+ 10.0%			31.9		+ 22.2%	2.9	-49.1%	292.9	+ 50.0%	67.9	+299.4%			70.6%	97.1%
East Midlands	Broxtowe	290.4	-1.4%	1.3%	+ 8.3%			31.6		+ 20.2%	6.5	-33.0%	56.0	-20.0%	33.1	+ 99.4%			64.4%	28.0%
East of England	Central Bedfordshire	357.1	+ 3.2%	1.2%	+ 20.0%			34.3		+ 19.1%	14.7	+406.9%	59.4	+ 33.2%	61.9	+ 14.2%			43.2%	3.9%
North West	Wigan	361.5	+ 4.5%	1.6%	+ 23.1%			42.0		+ 17.0%	9.8	+ 14.0%	69.4	-30.5%	91.2	+ 66.7%			49.0%	12.3%
Yorkshire and Humber	Doncaster	354.7	-1.7%	1.7%	+ 13.3%			39.1		+ 14.0%	6.3	0.0%	96.0	+ 31.1%	33.2	-58.3%			41.6%	88.2%
Yorkshire and Humber	Calderdale	335.4	+ 1.2%	1.6%	-11.1%			42.6		+ 13.9%	5.7	0.0%	110.7	+ 41.7%	113.1	+ 71.4%			31.7%	75.0%
East of England	Peterborough	419.9	-0.1%	0.9%	+ 12.5%			29.2		+ 13.6%	2.5	-66.7%	79.9	-29.4%	92.6	+125.3%			40.4%	100.0%
	England	381.9	+ 4.3%	0.8%	0.0%			22.5		+ 6.1%	5.9	-4.8%	56.9	+ 12.2%	40.6	+ 20.1%		12,639	35.6%	34.4%

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

All indicators for the last 7 days (14 May 2021 to 20 May 2021)

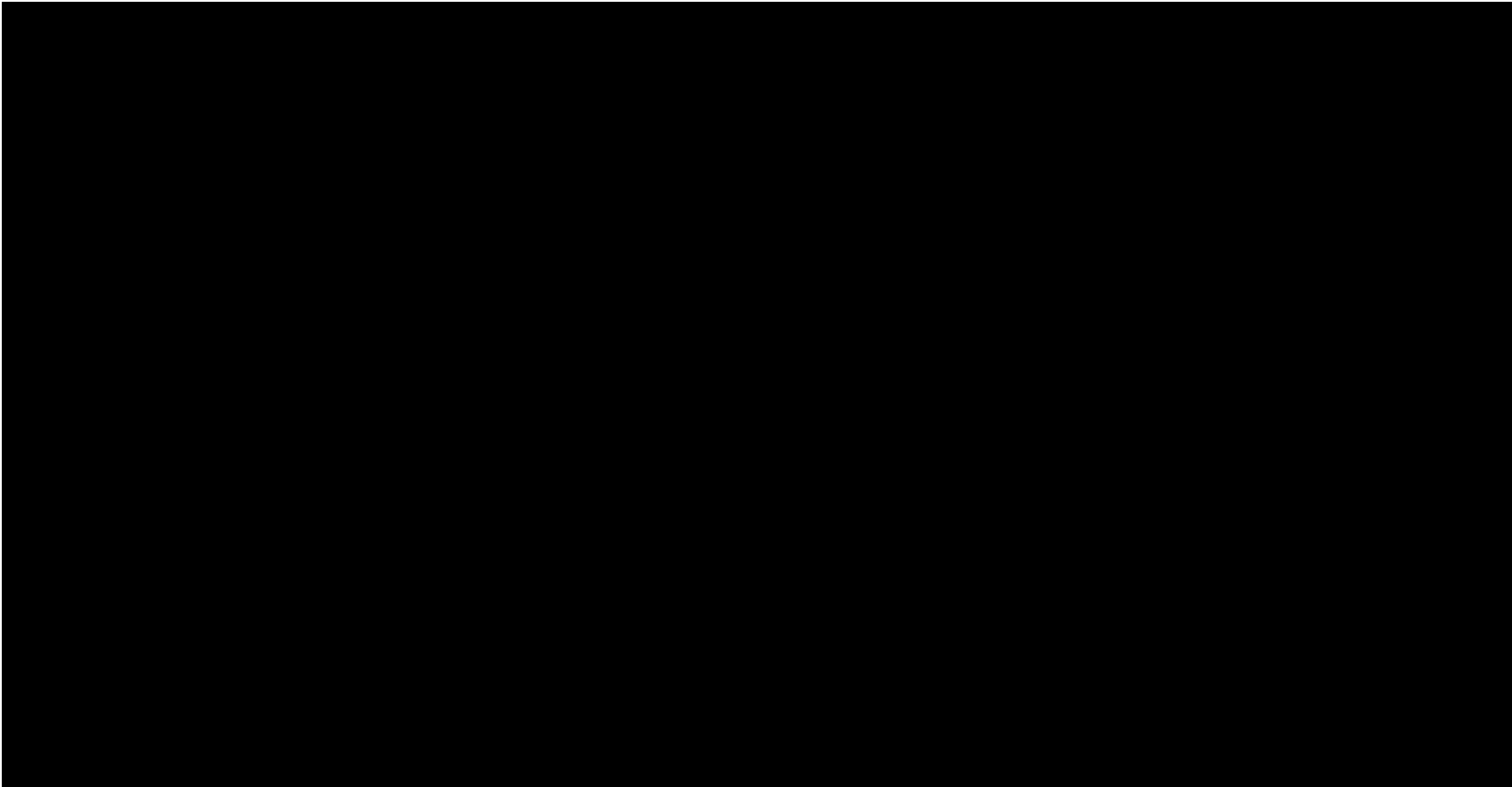| Region	LTLA	Individuals tested per day per 100,000 population (7-day moving average)	(7-day change %)	Percentage individuals test positive (Weekly)	(7-day change %)	Percentage individual cases reporting symptoms (Weekly, Pillar 2 only)	(7-day change %)	Case rate per 100,000 population, all ages (Weekly)	(3 week trend)	(7-day change %)	Case rate per 100,000 population aged 60 years and over (Weekly)	(7-day change %)	Case rate per 100,000 population aged 11-16yrs (Weekly)	(7-day change %)	Case rate per 100,000 population aged 17-21yrs (Weekly)	(7-day change %)	Community outbreaks (Last 7 days)	Newly confirmed cases (Last 7 days)	Specimens tested with TaqPath assay (Last 7 days %)	Cases with SGTF (Last 7 days %)
North West	Blackburn with Darwen	496.0	+29.5%	8.3%	+ 88.6%			280.6		+145.7%	95.2	+100.0%	414.2	+152.4%	699.3	+190.9%			67.2%	5.0%
North West	Bolton	1105.1	+91.4%	6.1%	-16.4%			451.4		+ 59.8%	61.5	-16.7%	1251.1	+100.7%	544.6	+ 47.5%			82.4%	6.0%
East Midlands	Leicester	366.8	+ 3.3%	2.3%	+ 27.8%			57.6		+ 26.0%	28.8	+ 21.5%	115.0	+ 30.4%	113.6	+ 53.9%			58.3%	23.0%
North West	Bury	325.3	+ 6.9%	2.6%	+100.0%			61.3		+109.2%	28.6	+333.3%	196.9	+180.1%	125.3	+140.0%			58.5%	38.1%
North West	Barrow-in-Furness	416.3	-7.4%	0.4%	+300.0%			14.9		+ 98.7%	26.6	+150.9%	0.0	-100.0%	0.0	-			52.3%	100.0%
North West	Manchester	360.8	+ 5.7%	2.3%	+ 21.1%			59.3		+ 36.0%	23.9	+ 89.7%	129.9	+ 26.4%	66.1	+ 17.2%			53.4%	39.5%
North West	Rossendale	372.9	+ 8.4%	2.6%	+225.0%			76.9		+266.2%	22.6	+296.5%	380.0	+900.0%	0.0	-100.0%			61.9%	15.0%
East of England	Bedford	650.7	+21.9%	4.2%	+ 31.2%			186.4		+ 51.7%	22.2	+ 50.0%	479.5	+ 24.0%	454.8	+ 60.0%			46.8%	10.7%
North West	Preston	448.1	+ 6.8%	1.6%	+ 33.3%			50.3		+ 47.1%	21.3	+200.0%	39.2	0.0%	37.1	-42.8%			54.3%	8.5%
North West	Rochdale	361.0	+ 8.6%	1.9%	+ 11.8%			45.9		+ 9.8%	20.5	+ 66.7%	123.8	+ 39.9%	90.5	+120.2%			64.8%	60.0%
London	Ealing	421.4	+20.5%	1.5%	0.0%			43.0		+ 32.3%	19.6	+ 71.9%	52.2	+ 30.2%	80.7	+ 27.3%			19.8%	20.0%
Yorkshire and Humber	Kirklees	313.6	+ 3.5%	4.2%	+ 27.3%			99.4		+ 44.3%	17.6	+ 6.0%	323.3	+ 57.4%	208.9	+107.7%			32.9%	50.0%
East of England	Harlow	356.9	+ 3.6%	0.5%	+ 66.7%			10.3		0.0%	16.6	+ Inf%	0.0	-100.0%	0.0	-			42.8%	66.7%
London	Hillingdon	548.1	-1.0%	1.2%	+ 33.3%			46.9		+ 28.5%	16.2	0.0%	98.4	+ 37.6%	60.2	+267.1%			23.8%	20.6%
North West	Hyndburn	400.5	+ 5.0%	2.5%	+108.3%			66.6		+ 68.6%	15.4	+202.0%	115.9	-22.2%	159.5	+249.8%			61.1%	21.3%
East of England	Central Bedfordshire	357.1	+ 3.2%	1.2%	+ 20.0%			34.3		+ 19.1%	14.7	+406.9%	59.4	+ 33.2%	61.9	+ 14.2%			43.2%	3.9%
North West	Copeland	333.3	-1.2%	0.5%	-28.6%			11.7		0.0%	14.7	+ Inf%	22.9	-50.1%	0.0	-			55.0%	100.0%
North East	North Tyneside	362.0	+ 3.2%	2.0%	+ 66.7%			52.4		+ 60.2%	14.5	-11.0%	130.3	+349.3%	42.5	-20.1%			2.5%	-
East of England	East Hertfordshire	279.0	+ 0.1%	0.1%	+ Inf%			8.0		+ 50.9%	14.0	+150.0%	8.8	-50.0%	14.4	0.0%			43.5%	100.0%
North West	Burnley	466.1	+18.0%	2.3%	+ 15.0%			76.5		+ 41.7%	13.7	+ 50.5%	136.2	+125.1%	88.6	+ 33.4%			63.2%	15.0%
	England	381.9	+ 4.3%	0.8%	0.0%			22.5		+ 6.1%	5.9	-4.8%	56.9	+ 12.2%	40.6	+ 20.1%		12,639	35.6%	34.4%

High level summary 5 – Hospital indicators - England

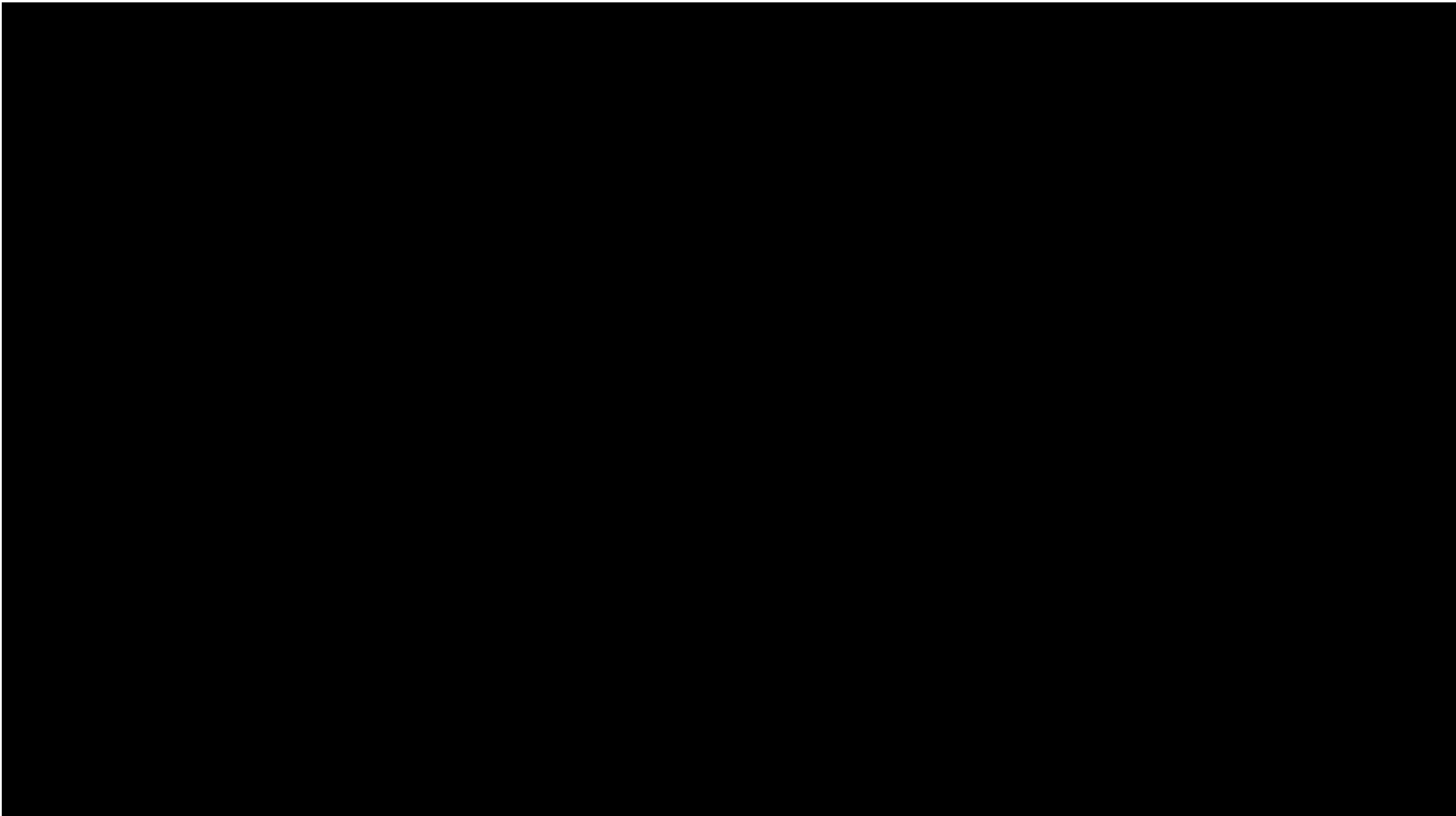Hospital indicators: high-level summary by region

	New COVID-19 patients admitted to hospital			Number of COVID-19 patients in hospital			Mechanical ventilation beds occupied by COVID-19 patients		
	23 May 2021	7-day change	21-day trend	23 May 2021	7-day change	21-day trend	23 May 2021	7-day change	21-day trend
Total									
England		14.1%		730 (24)	−5.9%			−3.5%	
By region									
East Midlands		75.0%		58 (7)	3.6%			0.0%	
East of England		−28.6%		39 (1)	−30.4%			25.0%	
London		23.1%		231 (3)	−8.3%			−2.1%	
North East		−20.0%		31 (4)	−13.9%			−20.0%	
North West		5.9%		156 (−1)	6.1%			0.0%	
South East		0.0%		45 (0)	−13.5%			−14.3%	
South West		0.0%		16 (1)	6.7%			−33.3%	
West Midlands		50.0%		83 (2)	−1.2%			0.0%	
Yorkshire and The Humber		28.6%		71 (7)	−9.0%			−6.7%	

Source: NHS England & Improvement COVID-19 Hospital Activity Data, from 26 April 2021 to 23 May 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.

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.

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

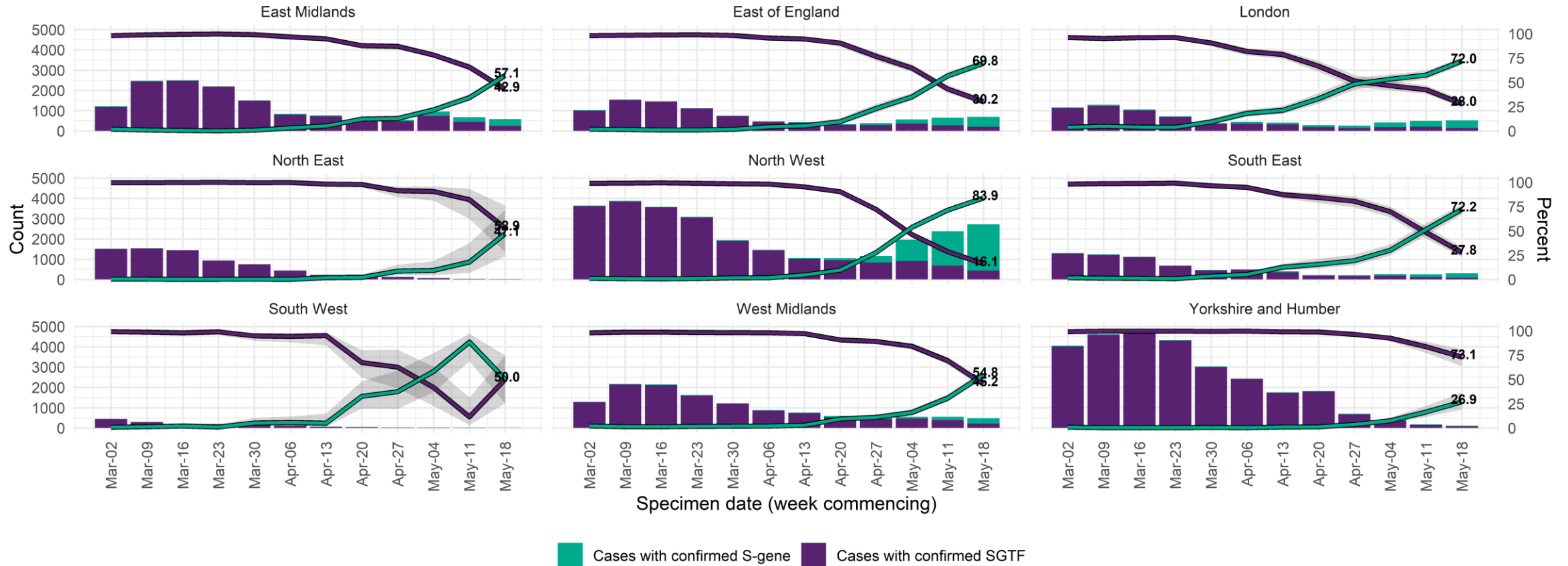2021-03-02 to 2021-05-24. Data updated on 2021-05-25.
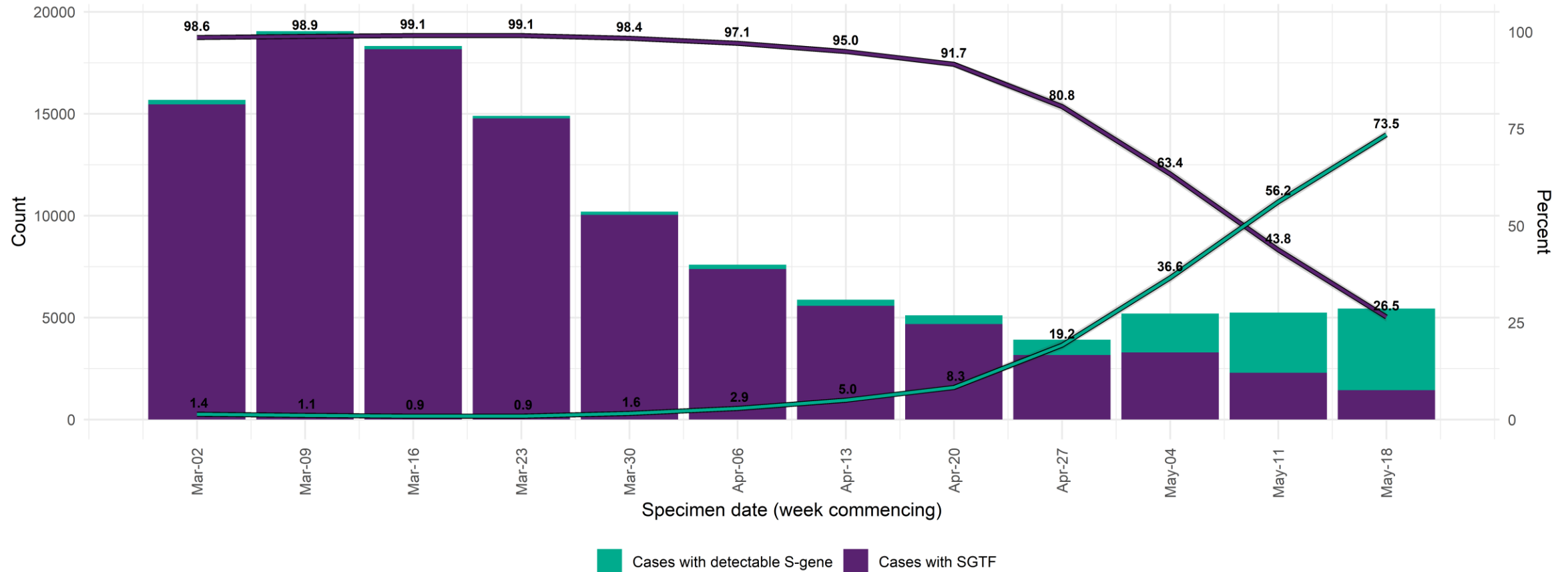
A detectable S gene may indicate a VOC case since April 2021; this continues to be monitored. SGTF is a surveillance proxy for VOC-20DEC-01 and may include other variants.
Local trends in these data may be affected by decisions to direct the processing of samples via a TaqPath laboratory. TaqPath coverage 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 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-Gene 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 2021-05-24. Data updated on 2021-05-25. 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 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 199 persons, excluded from figure.
Regions with poor TaqPath laboratory coverage are the South West and North East. Cases deduplicated to one positive test per person per week, prioritising SGTF tests.
Produced by Outbreak Surveillance Team, PHE.
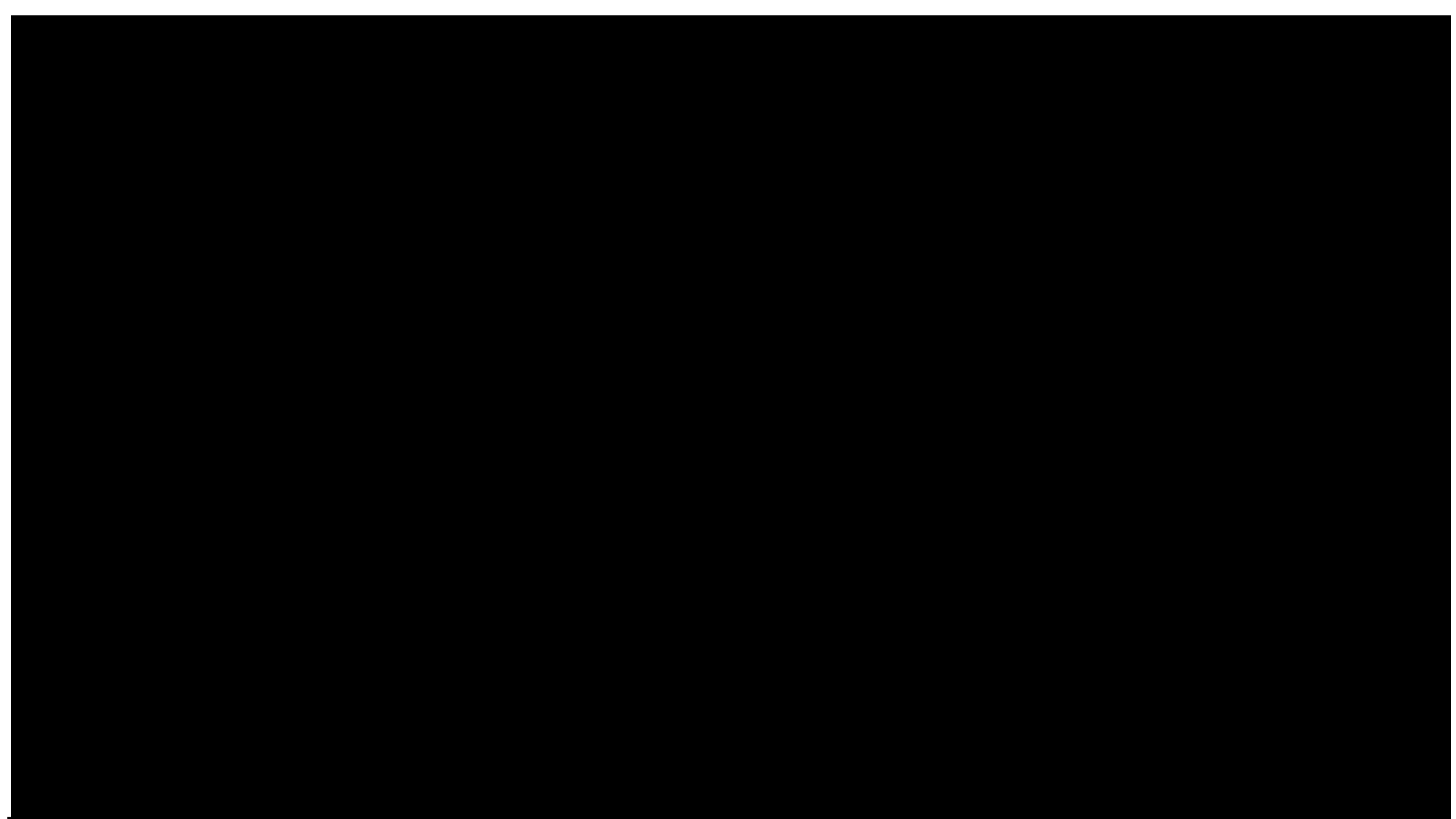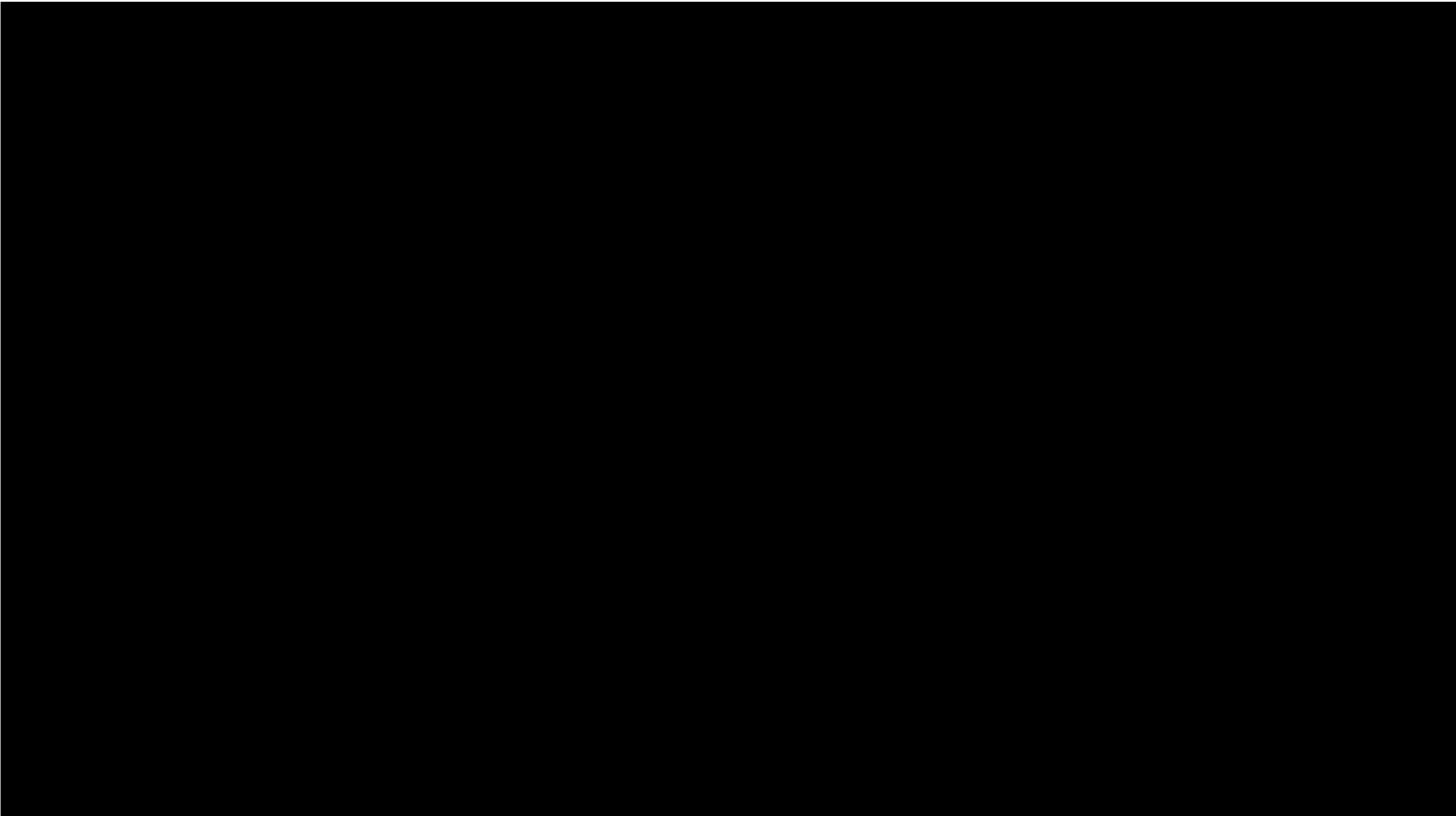
Case numbers by test type in England

Data reporting 27 March 2021 to 24 May 2021
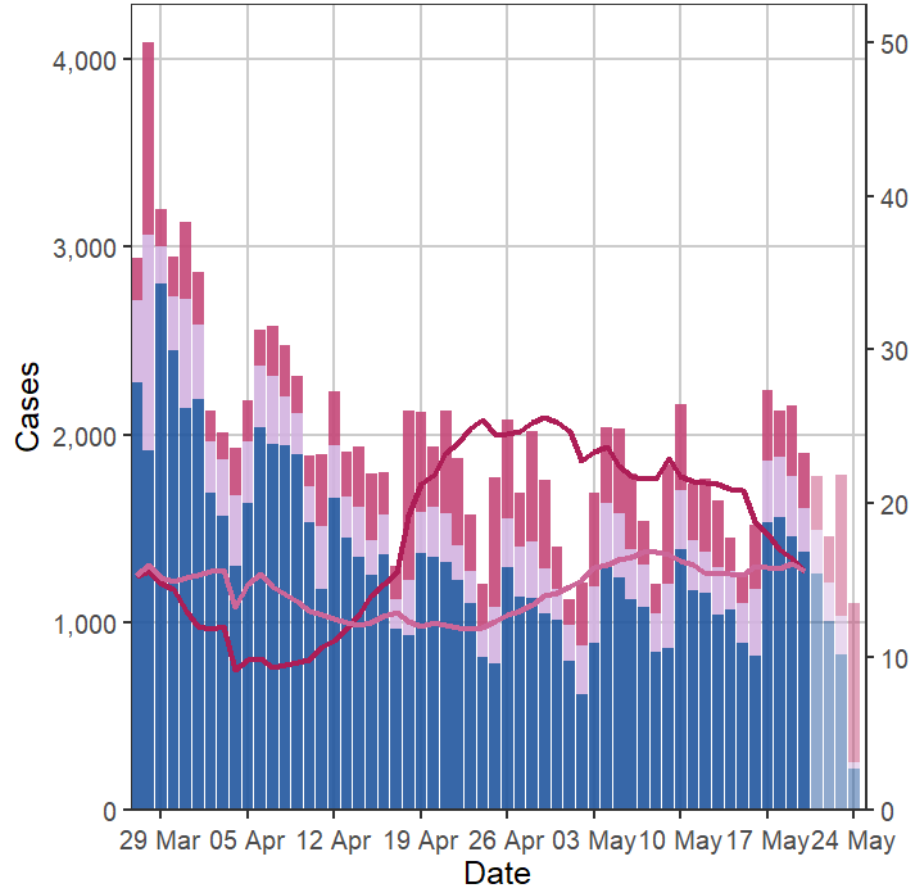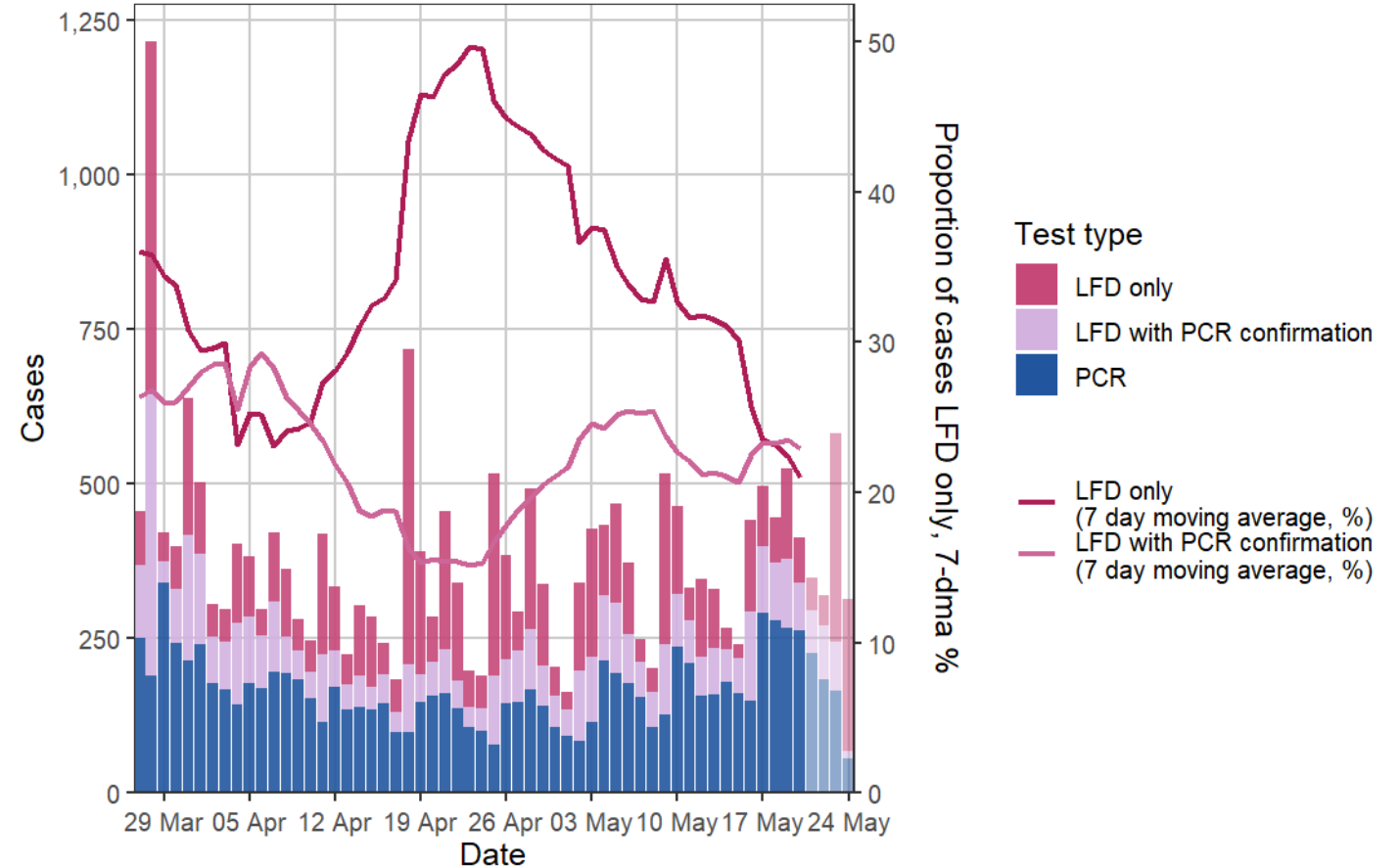
Data for the four most recent specimen dates is incomplete and will include cases for which PCR testing has not yet been reported and/or undertaken

PCR = First positive specimen was a PCR test.

LFD with PCR confirmation = Positive LFD with a positive PCR result within 3 days.

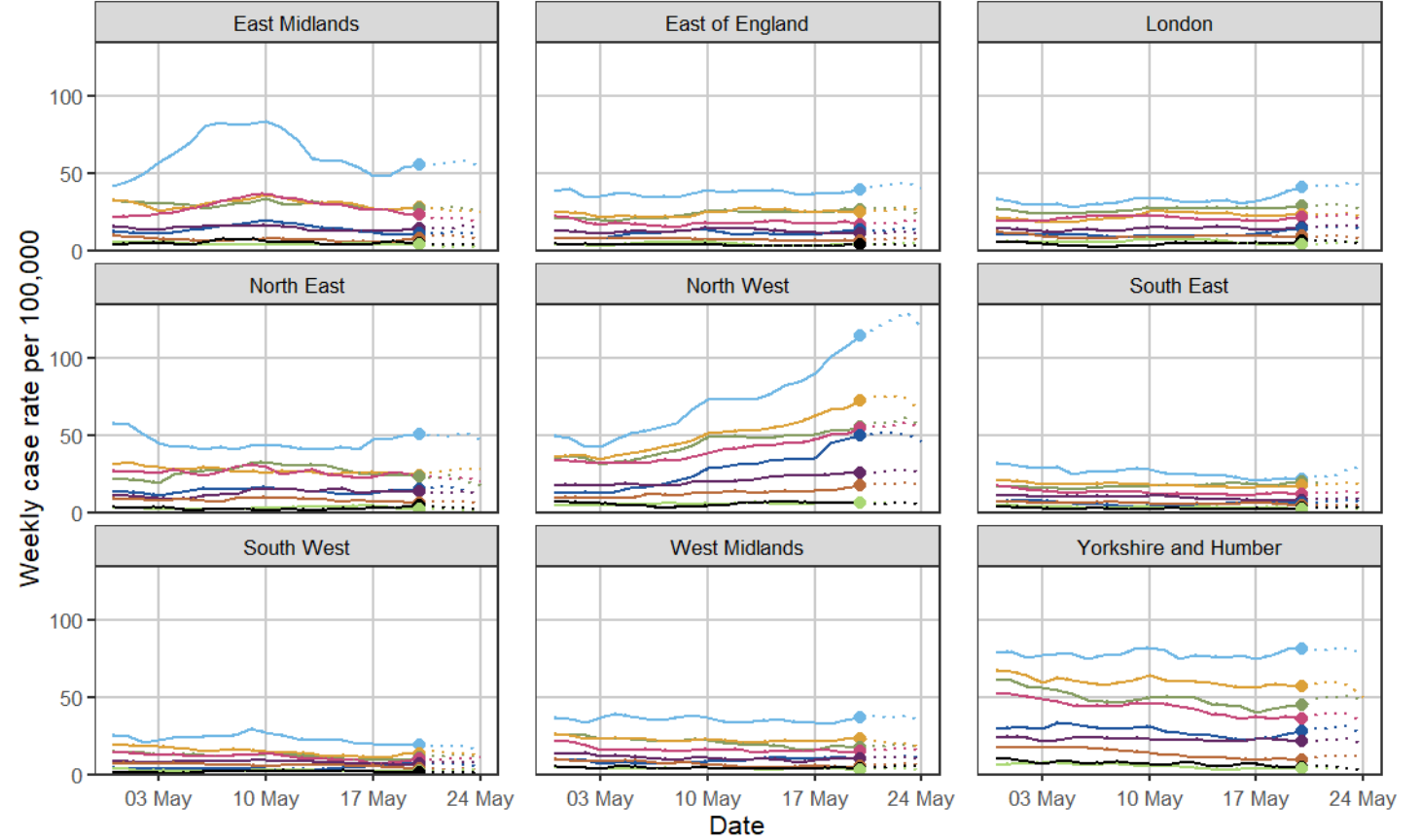LFD only = Positive LFD with no PCR results within 3 days.

Data source: SGSS

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

Data up to 20 May 2021

Weekly case rate per 100,000 population by age group

Weekly case rate per 100,000 population by age group

Labels show weekly case rate for 14 May 2021 to 20 May 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 20 May 2021

Weekly individual test positivity, %, by age group

Weekly individual test positivity, %, by age group
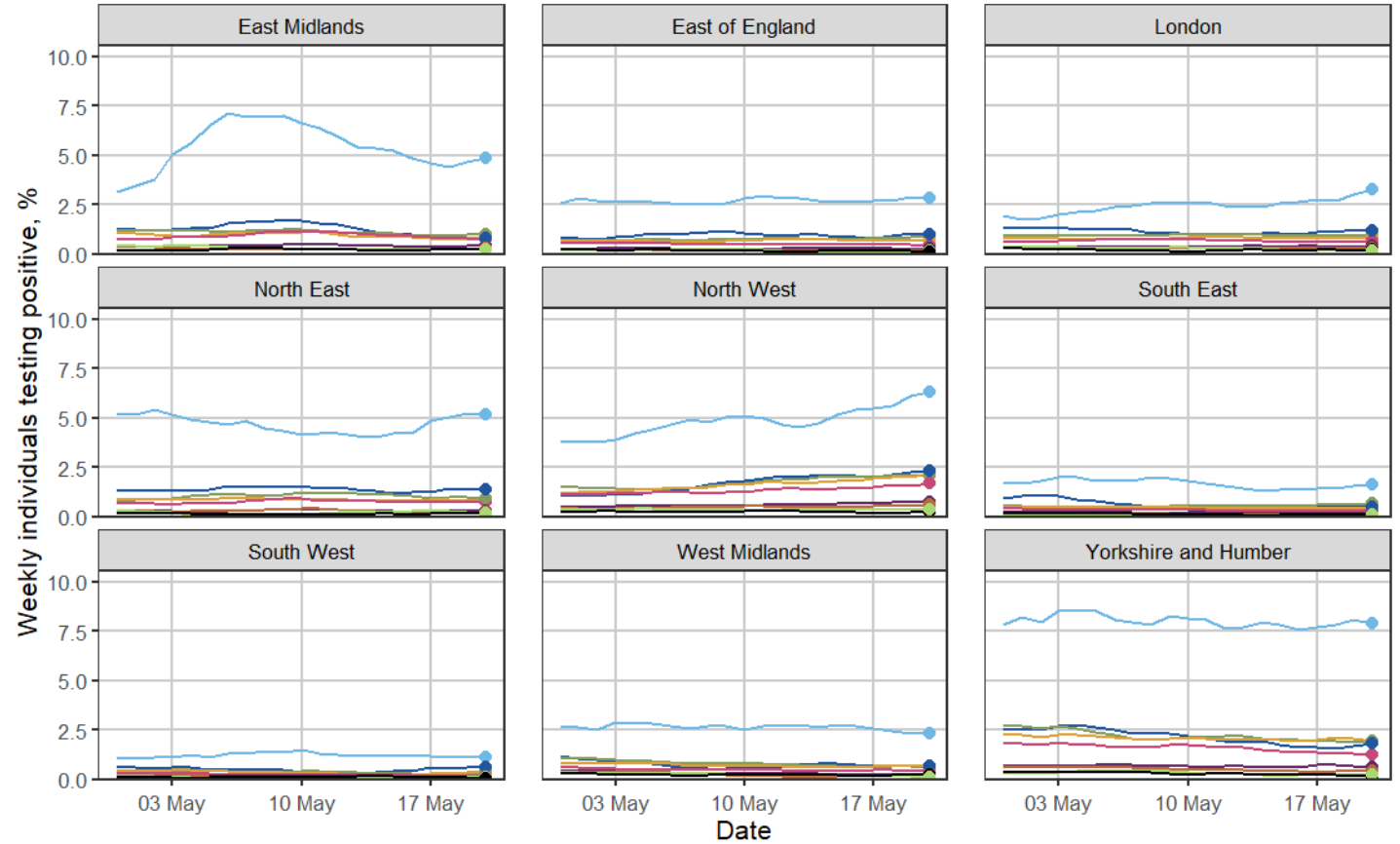
Labels show positivity rate for 14 May 2021 to 20 May 2021.
Excludes LFD tests

Excludes LFD tests

Individuals tested in England across both pillars 1 and 2 (weekly)
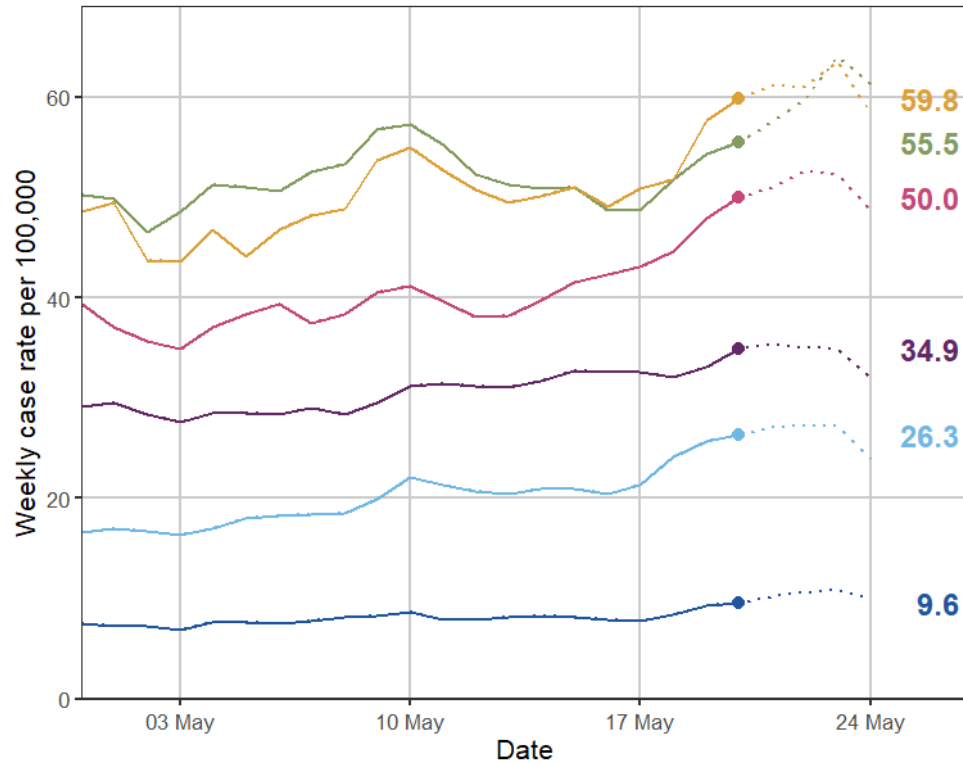
Data up to 20 May 2021
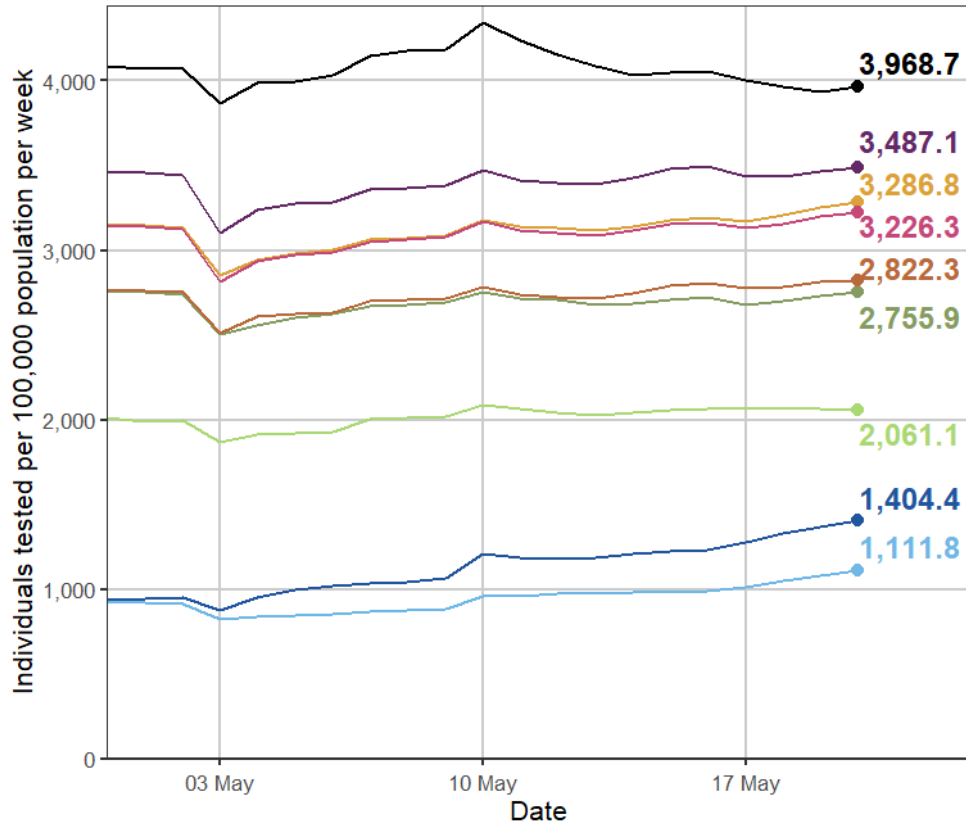
Individuals tested per 100,000 population

Labels show test rate for 14 May 2021 to 20 May 2021.
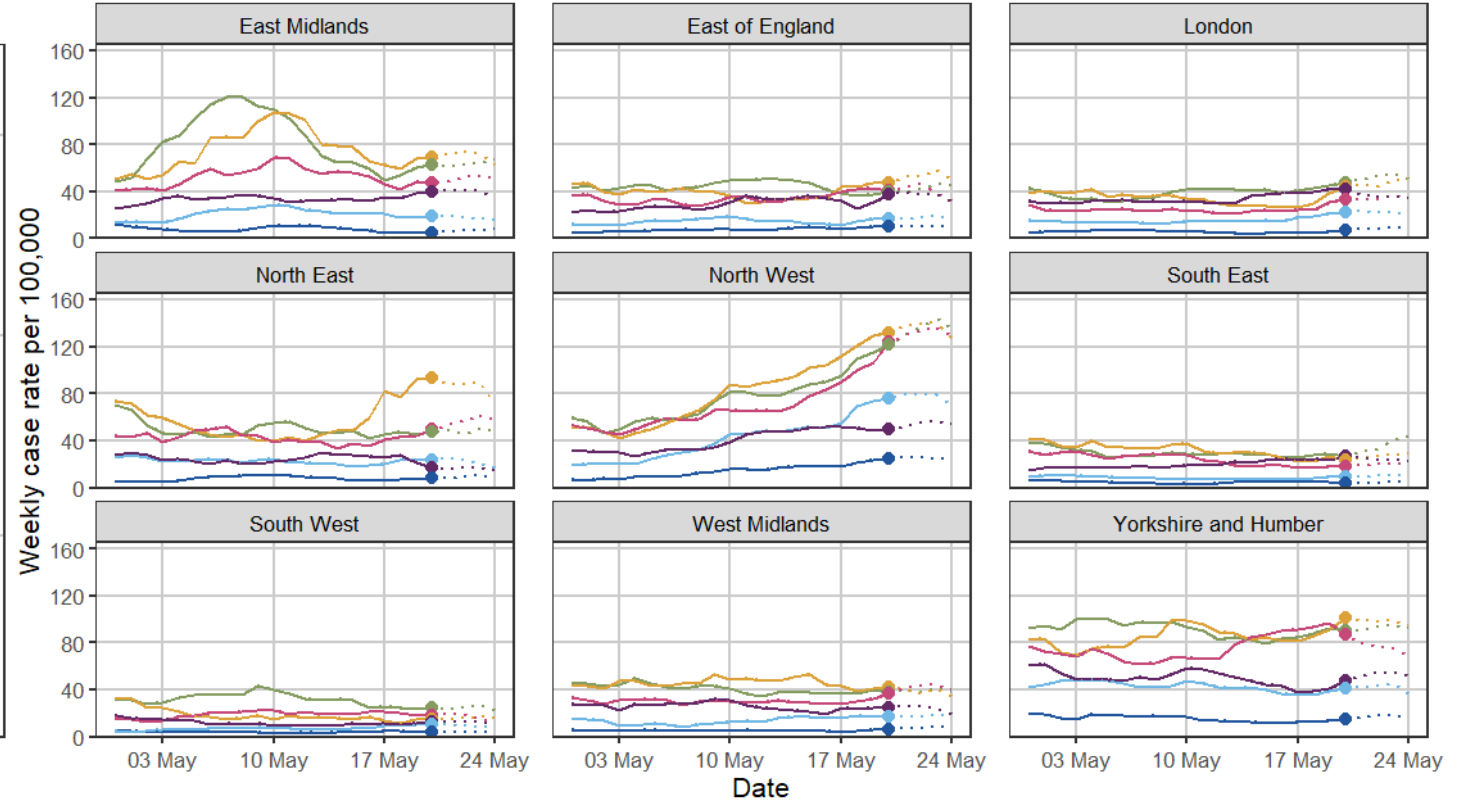Excludes LFD tests

Excludes LFD tests

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

Data up to 20 May 2021

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

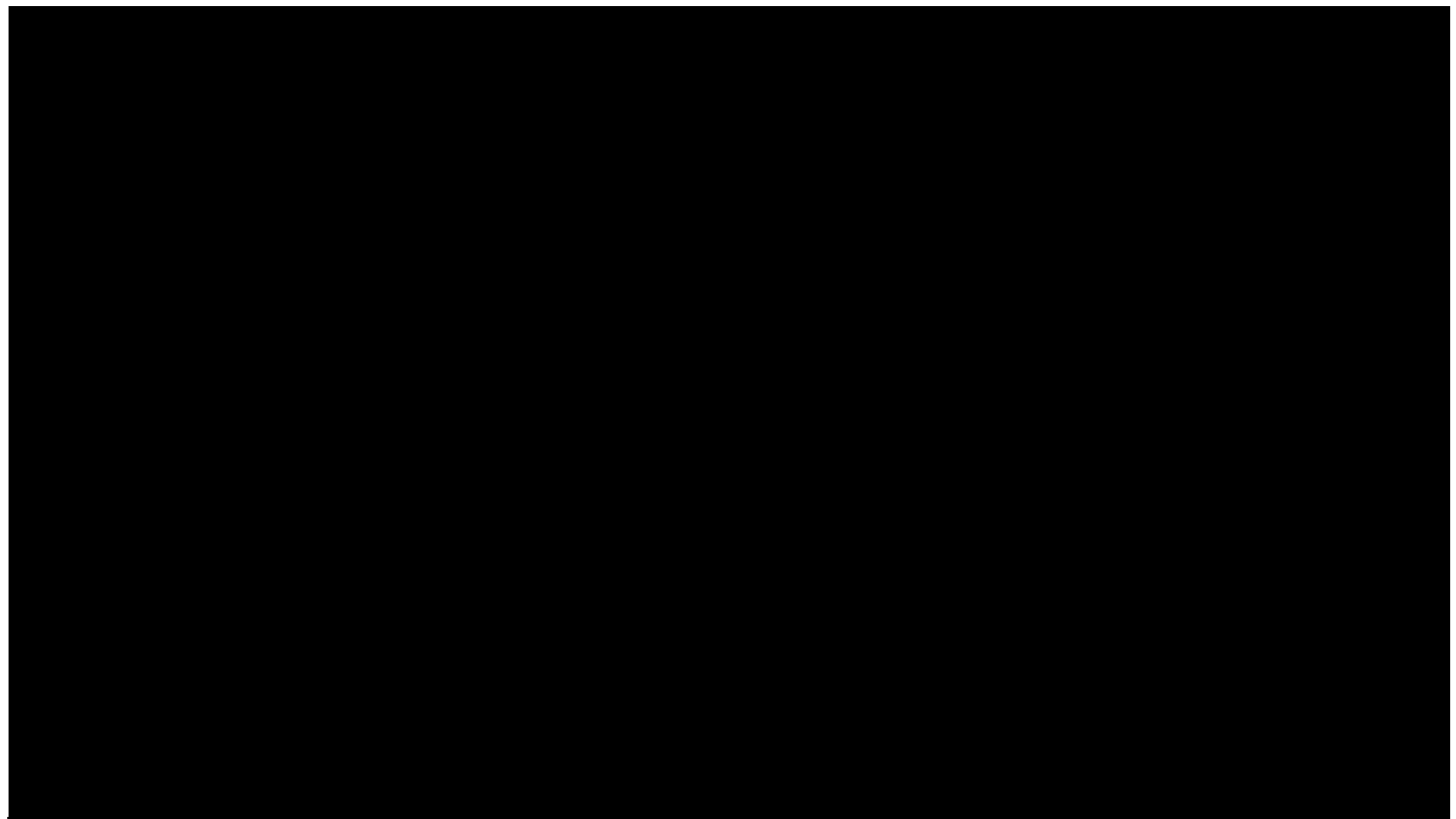Weekly case rate per 100,000 population by age group (0 to 21 year olds)

Labels show weekly case rate for 14 May 2021 to 20 May 2021
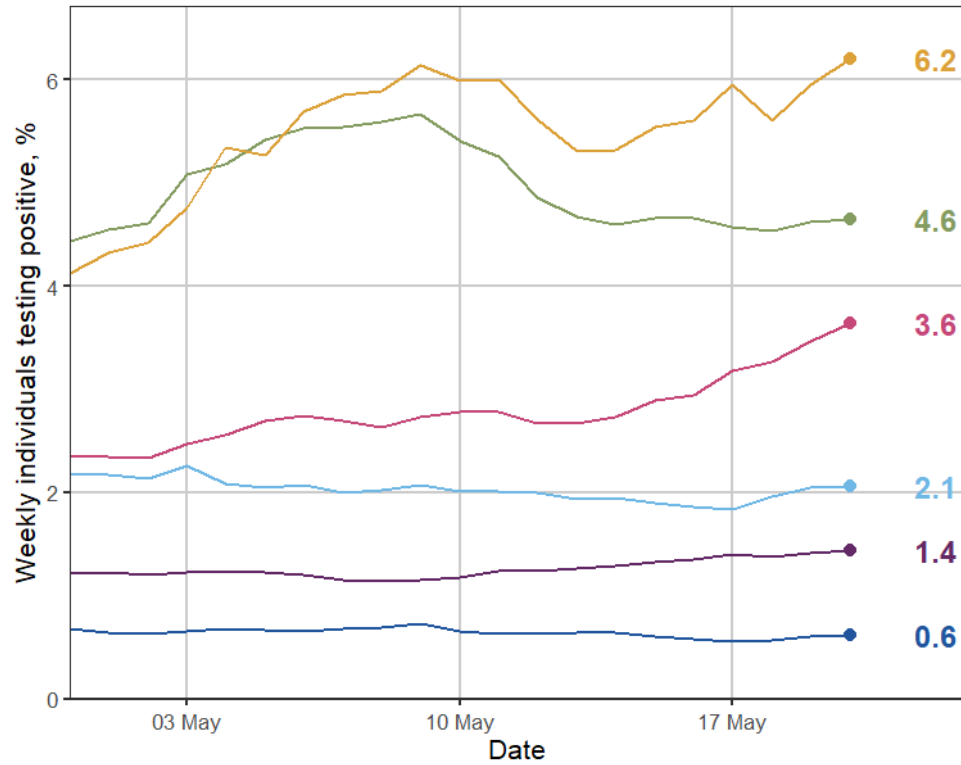Dashed lines indicate period with provisional data

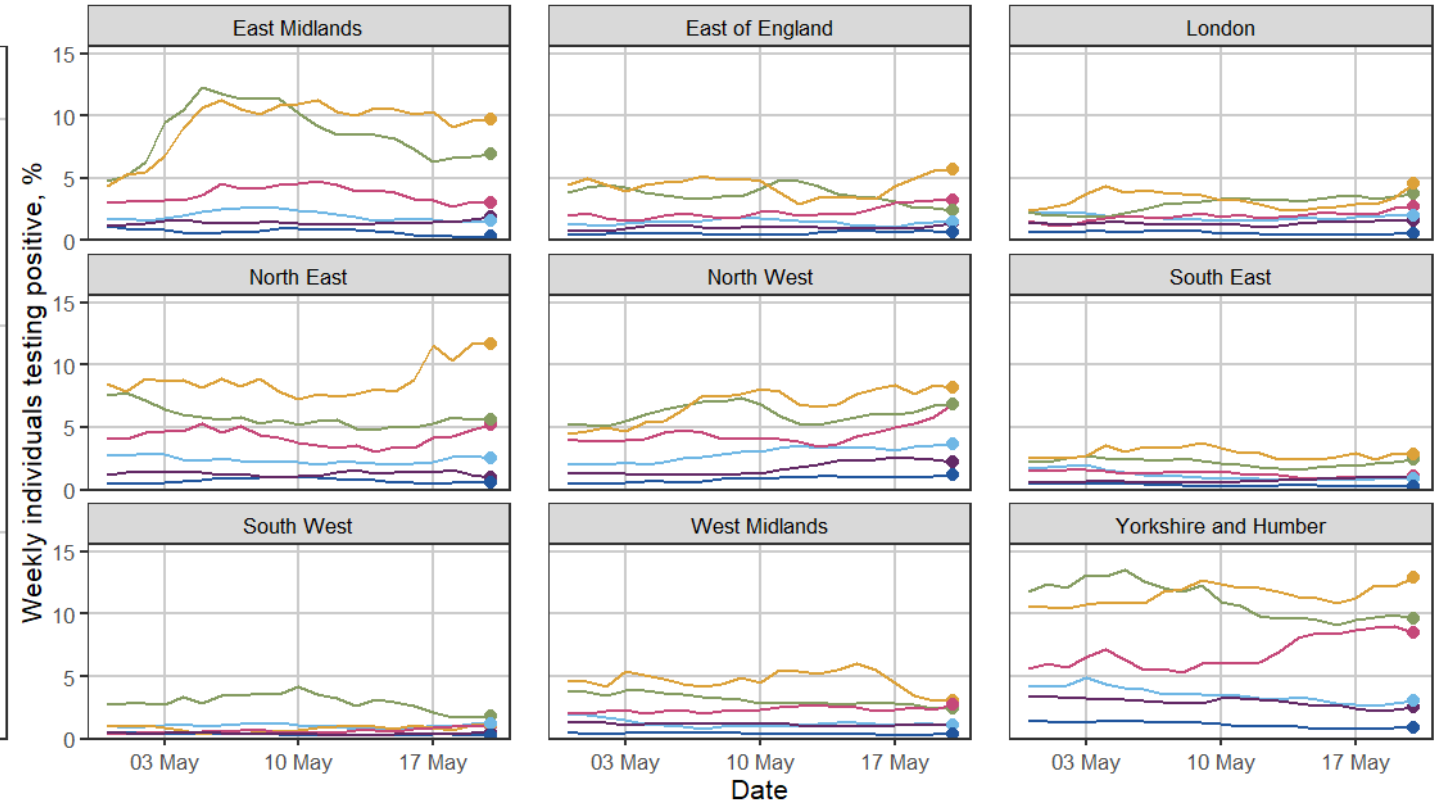Dashed lines indicate period with provisional data

Percentage of individuals testing positive in England across both pillars 1 and 2 (weekly) - young people
Data up to 20 May 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
- 5-10
- 11-14
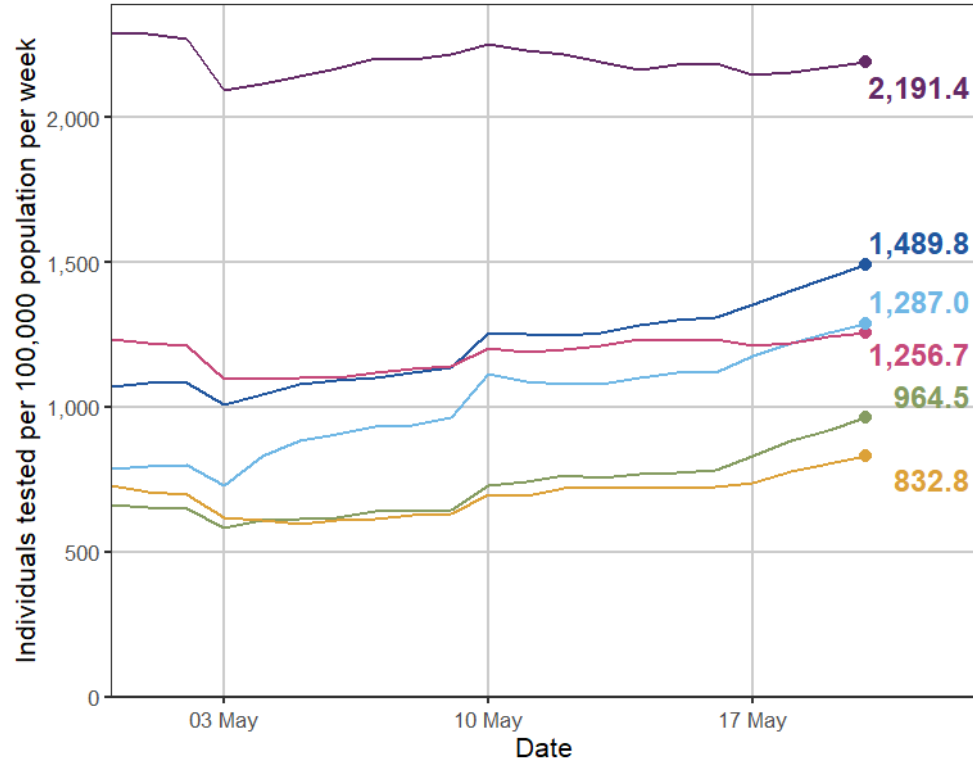- 15-16
- 17-18
- 19-21

Labels show positivity rate for 14 May 2021 to 20 May 2021.
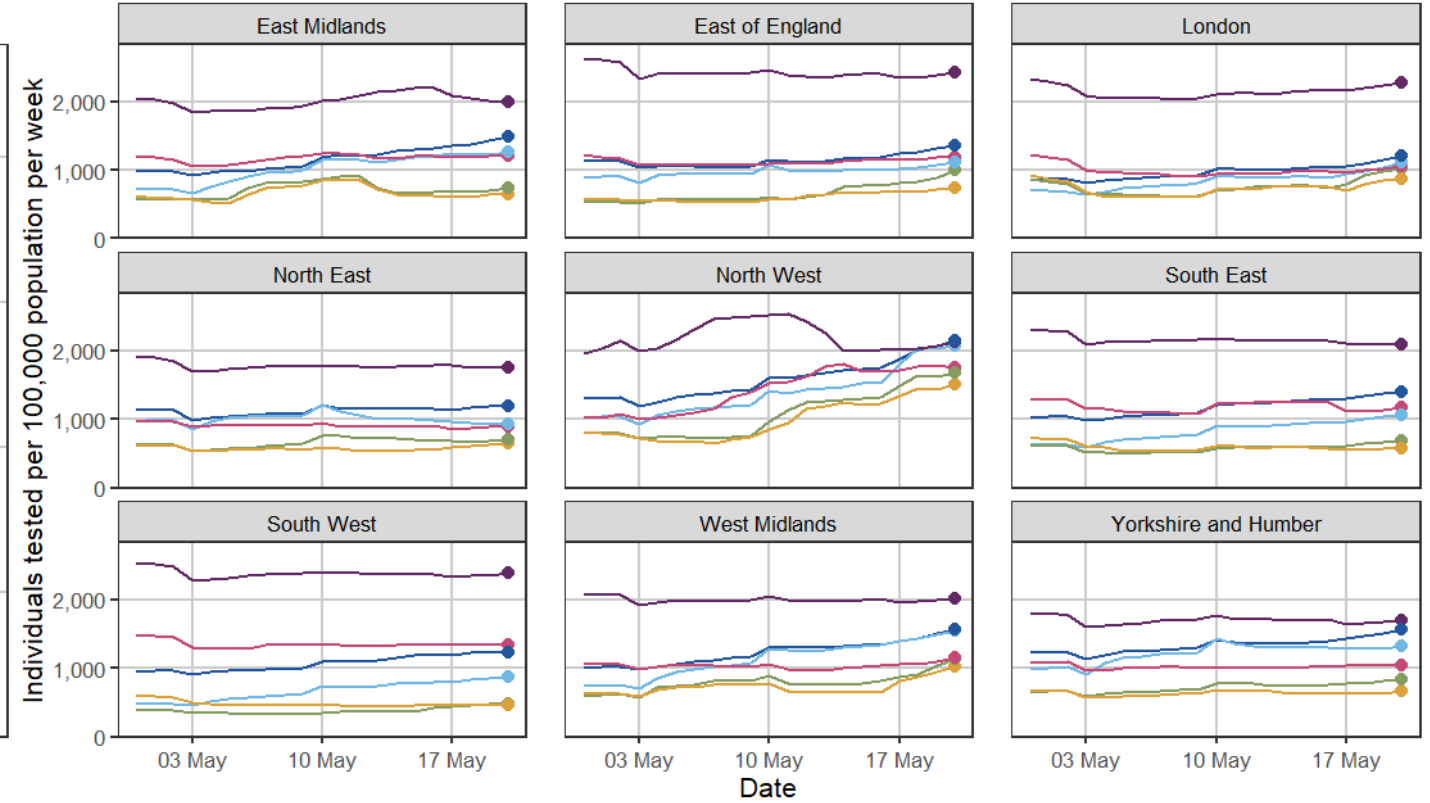Excludes LFD tests

Excludes LFD tests

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

Data up to 20 May 2021

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

Labels show weekly testing rate for 14 May 2021 to 20 May 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 16 2021 to May 24 2021)
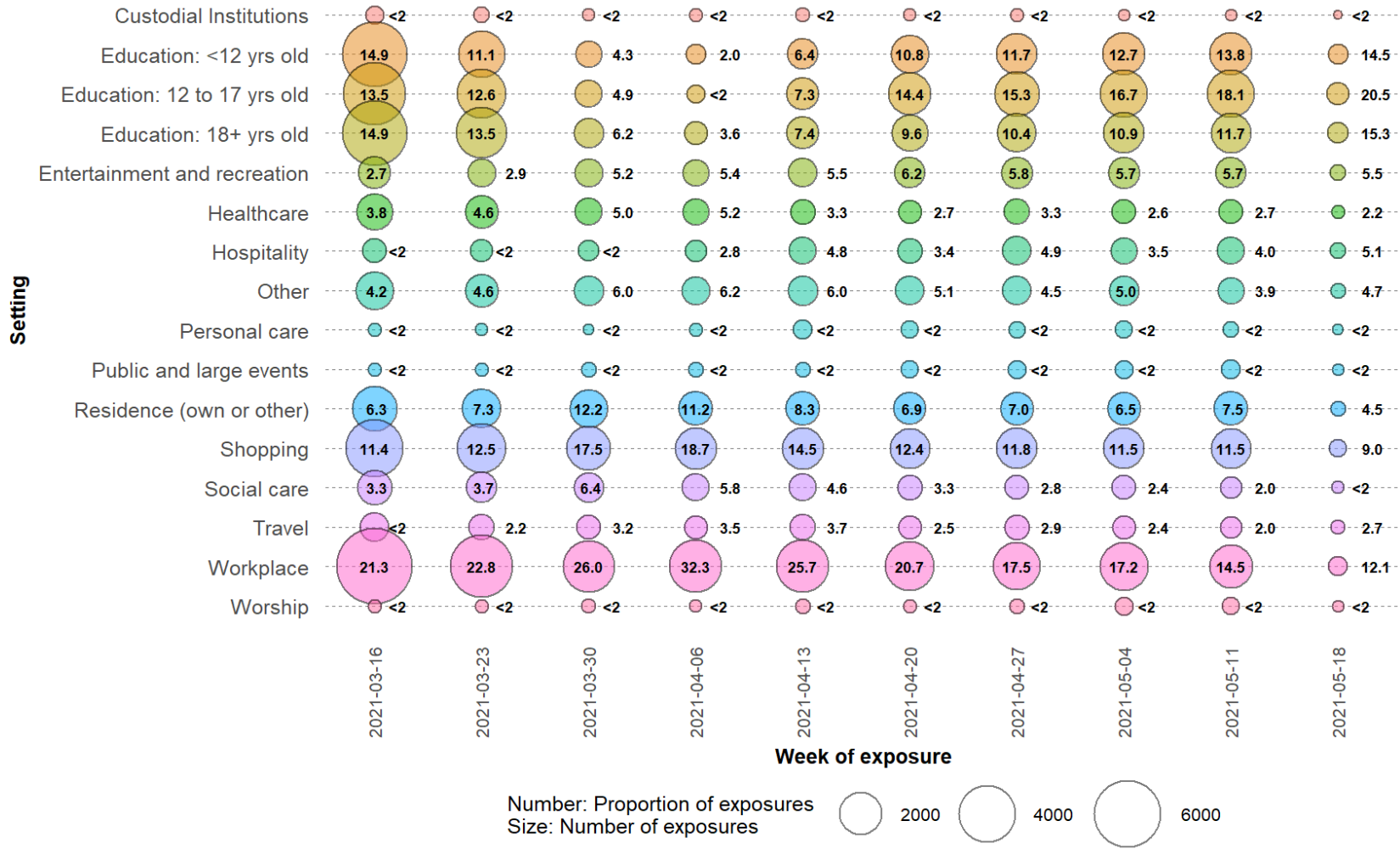
Number: Proportion of exposures
Size: Number of exposures

2000   4000   6000

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 16 2021 to May 24 2021)

*Location visits by at least two cases in the 7-2 days before symptom onset, within seven days of each other
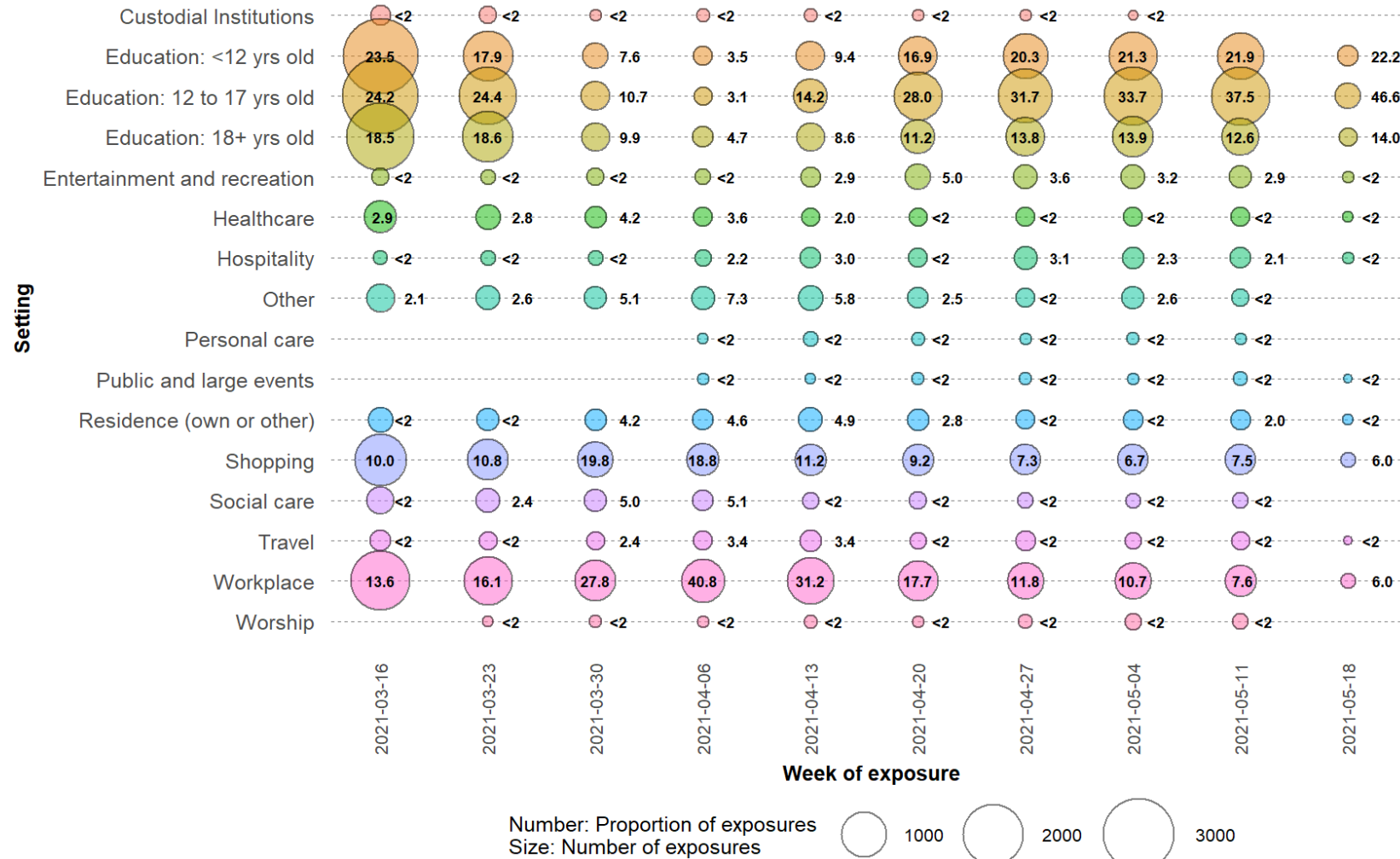
Exposure setting categories for surveillance and reporting are regularly reviewed to ensure they meet requirements for public health action during different phases of pandemic control. Categories used in this figure may change in future.

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.
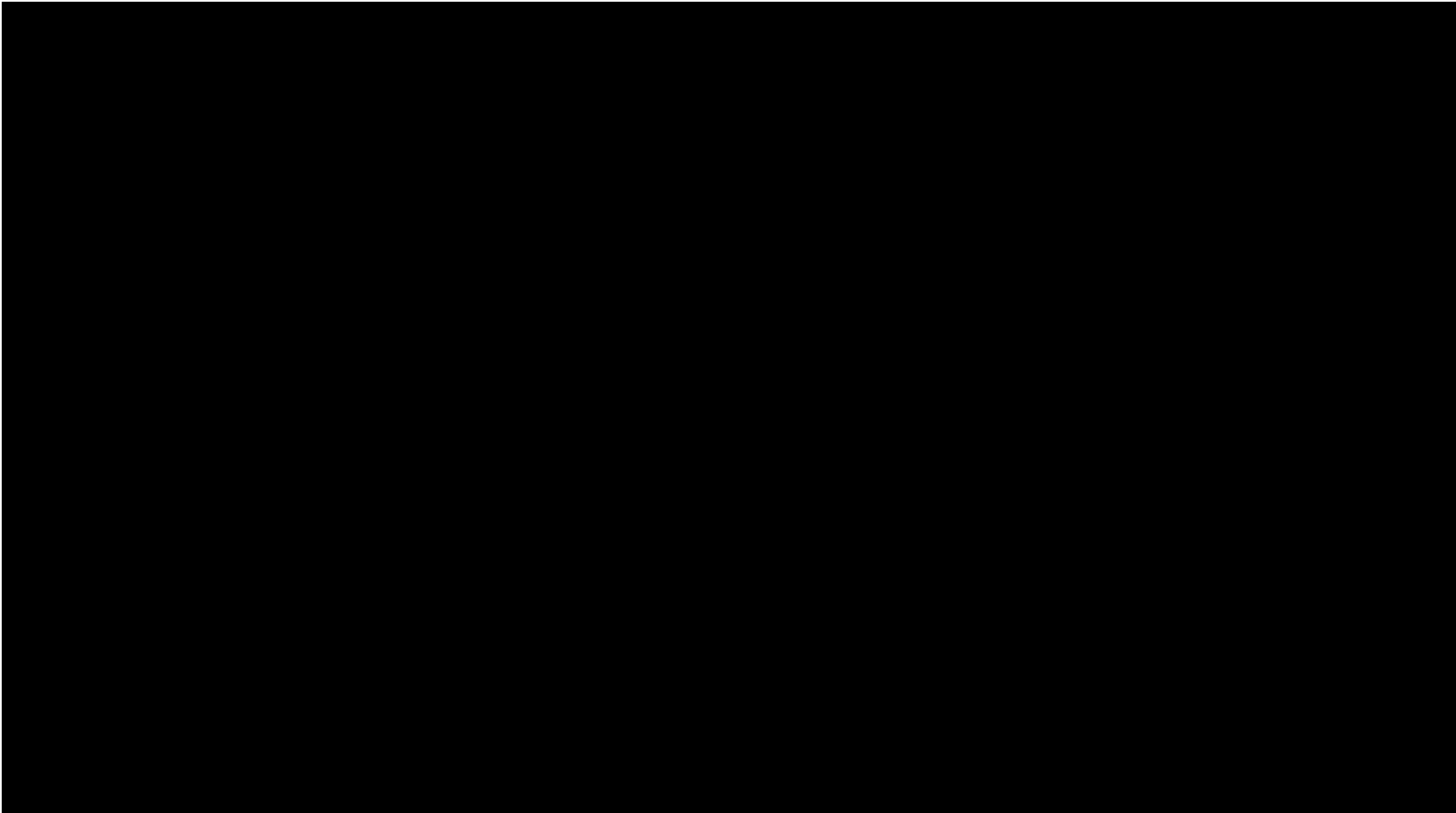
Percentage prevalence of COVID-19 across England and Government Office regions - table
Date of report 21 May 2021 by PHE Joint Modelling Cell

Methodology

Prevalence estimates were generated by the Cambridge real-time model on **14 May 2021** using data up to **8 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.

Geography	14/05/2021	21/05/2021	28/05/2021
England	0.12 (0.11, 0.14)	0.12 (0.09, 0.15)	0.12 (0.08, 0.16)
North East	0.20 (0.13, 0.33)	0.20 (0.11, 0.39)	0.19 (0.08, 0.47)
Yorkshire and The Humber	0.16 (0.11, 0.24)	0.14 (0.08, 0.27)	0.13 (0.06, 0.30)
North West	0.05 (0.04, 0.07)	0.04 (0.03, 0.06)	0.03 (0.02, 0.06)
East Midlands	0.13 (0.09, 0.20)	0.11 (0.06, 0.21)	0.09 (0.05, 0.22)
West Midlands	0.13 (0.09, 0.19)	0.11 (0.07, 0.21)	0.10 (0.05, 0.23)
East of England	0.13 (0.09, 0.20)	0.13 (0.07, 0.23)	0.12 (0.06, 0.28)
London	0.10 (0.08, 0.15)	0.09 (0.06, 0.16)	0.08 (0.04, 0.17)
South East	0.10 (0.07, 0.14)	0.09 (0.05, 0.17)	0.08 (0.04, 0.19)
South West	0.16 (0.10, 0.26)	0.17 (0.09, 0.34)	0.19 (0.08, 0.46)

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

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.
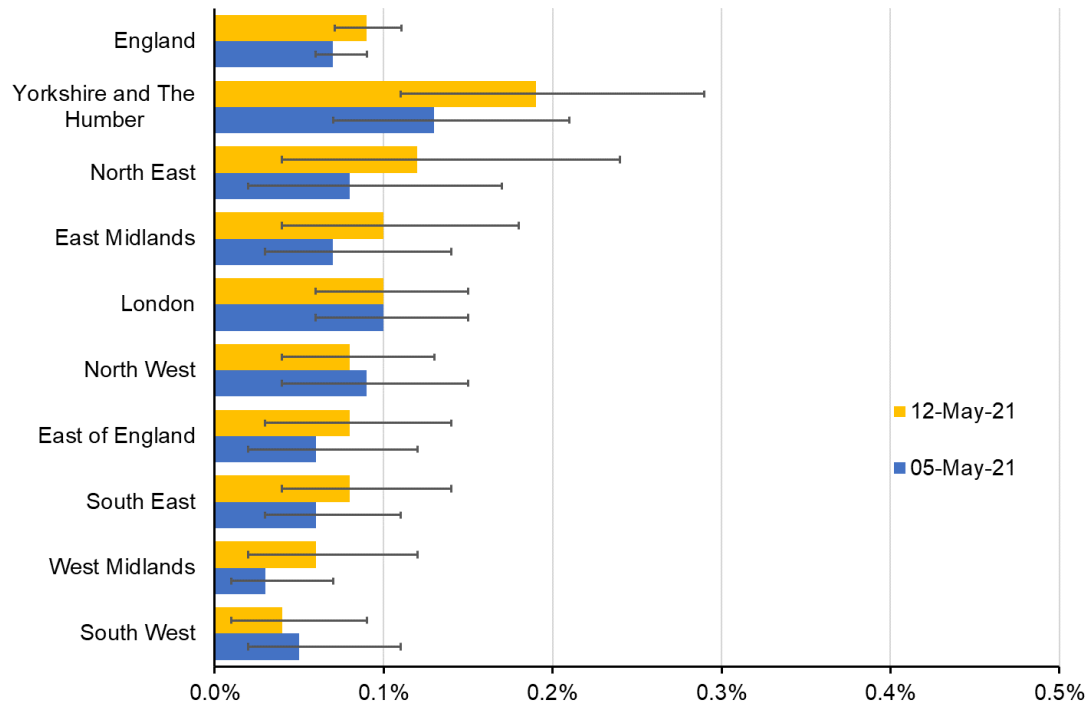
Estimated Prevalence by Region

ONS Coronavirus (COVID-19) Infection Survey (21 May)

In England, the percentage of people testing positive for the coronavirus (COVID-19) shows early signs of a potential increase in the week ending 15 May 2021, although rates remain low; we estimate that 49,000 people within the community population in England had COVID-19 (95% credible interval: 38,800 to 60,300), equating to around 1 in 1,110 people.

In the week ending 15 May 2021, there were early signs of an increase in the percentage of people testing positive in the North East, Yorkshire and The Humber and the South East. The trend was uncertain for all other regions in the same week. In many regions positivity rates are very low so trends will be difficult to identify since they are affected by small changes in the number of people testing positive from week to week
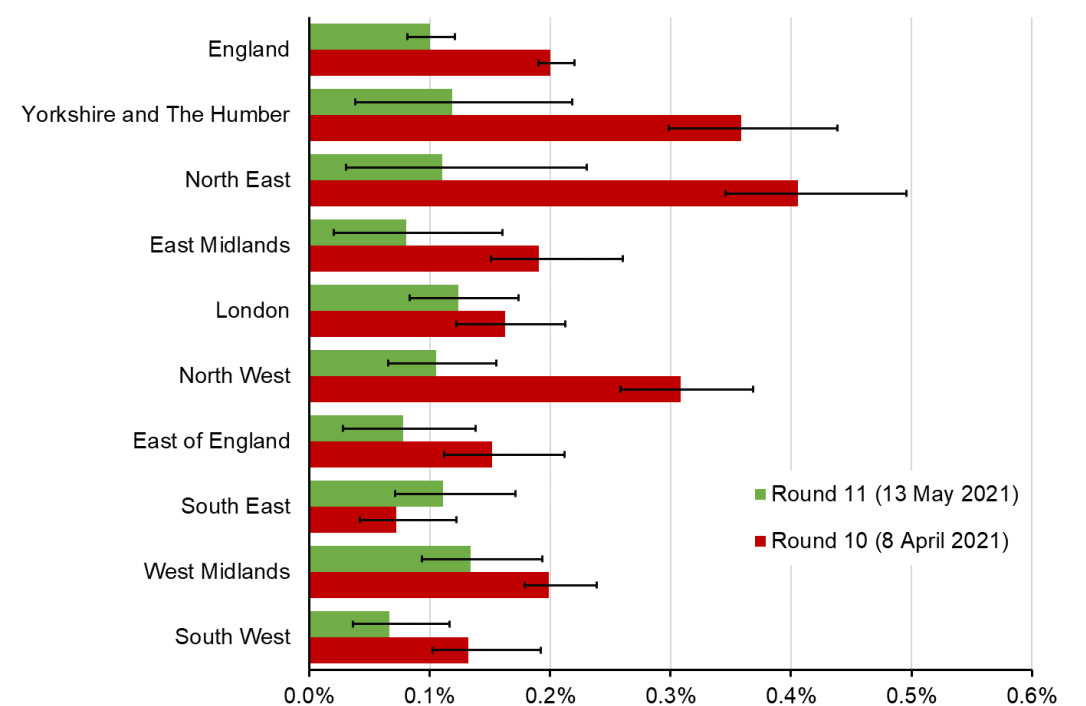
REACT-1 round 11 report (13 May)

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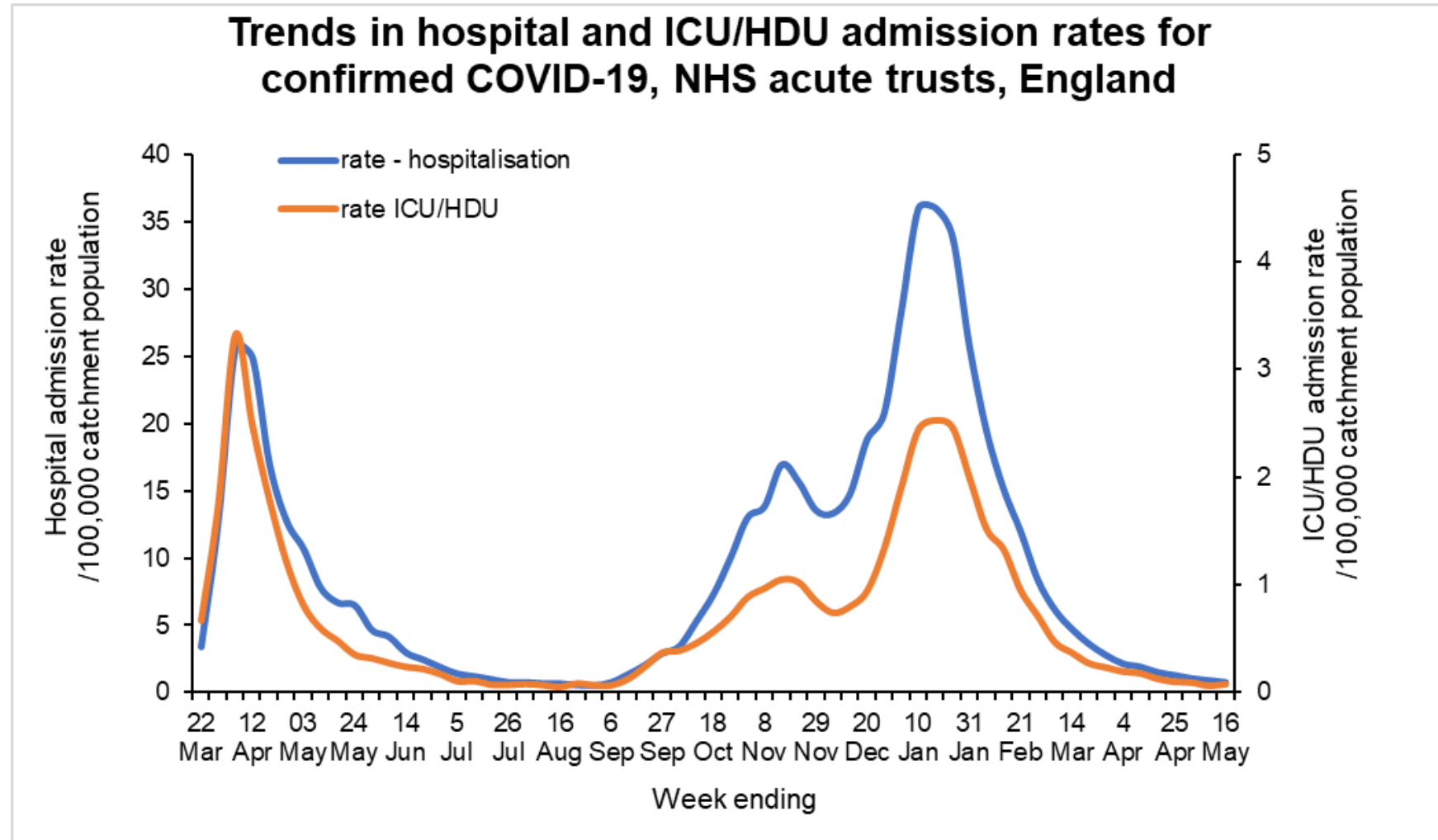
Weighted prevalence across regions ranged from 0.07% (0.03%, 0.17%) in the South West to 0.13% (0.07, 0.27%) in West Midlands.

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

Coronavirus (COVID-19) Infection Survey, UK: 21 May 2021

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