



Public Health
England



Test and Trace

Briefing England

Week commencing 23 August 2021

Notes

This data is provided by the Joint Biosecurity Centre for the purpose of monitoring and supporting the management of COVID-19 infections in local authorities.

The reports are produced using 2020 Office for National Statistics population data.

The underlying data for the charts and heatmaps can be found in the supporting data pack.

Headline figures 25 August 2021

England weekly PCR %
individuals tested positive:

8.5%

England weekly case rate, cases
per 100,000 population:

328

England daily patients in hospital
for COVID-19:

5,922

England weekly PCR testing rate
test per 100,000 population:

565

England weekly case rate 60
years and over, cases per
100,000 population:

142

England daily patients in
mechanical ventilation beds for
COVID-19:

871*

England weekly LFD testing rate
test per 100,000 population:

775

England weekly case rate age 20
to 24 years, cases per 100,000
population:

630

England daily deaths with
COVID-19, 7-day moving
average:

77

Note: *Not all patients in mechanical ventilation beds are using ventilation equipment.

Source: [Coronavirus UK summary](#), PCR testing to 19 August 2021, LFD to 24 August 2021, case rates to 20 August 2021, admissions to 23 August 2021, hospital rates to 25 August 2021, deaths to 20 August 2021.

Latest complete data used for each metric. Visualisation by Joint Biosecurity Centre

High level summary

Table 1.

English region	Individuals tested per day per 100,000 population: 7-day moving average	Individuals tested per day per 100,000 population: 7-day change	Percentage individuals test positive: 7-day moving average	Percentage individuals test positive: 7-day change	Case rate per 100,000 population, all ages: 7-day moving average	Case rate per 100,000 population, all ages: 7-day change	Case rate per 100,000 population aged 60 years and over: 7-day moving average	Case rate per 100,000 population aged 60 years and over: 7-day change	Case rate per 100,000 population aged 17 to 21: 7-day moving average	Case rate per 100,000 population aged 17 to 21: 7-day change	Newly confirmed cases: Last 7 days
East Midlands	491	Increase	10.8%	Increase	360	Increase	150	Increase	807	Increase	17,535
East of England	541	Increase	7.5%	Increase	278	Increase	109	Increase	828	Increase	18,207
London	631	Increase	6.1%	Decrease	259	Decrease	133	Increase	614	Increase	23,292
North East	466	Increase	9.2%	Increase	296	Increase	170	Increase	458	Decrease	7,926
North West	510	Increase	8.8%	No change	306	Increase	162	Increase	529	Decrease	22,514
South East	575	Increase	8.0%	Increase	318	Increase	111	Increase	1203	Increase	28,449
South West	608	Increase	11.3%	Increase	475	Increase	133	Increase	2054	Increase	26,882
West Midlands	491	Increase	9.7%	Increase	327	Increase	146	Increase	811	Increase	19,482
Yorkshire and The Humber	468	Increase	11.2%	Decrease	358	Decrease	190	Increase	670	Decrease	19,760
England	563	Increase	8.6%	Increase	328	Increase	142	Increase	904	Increase	185,277

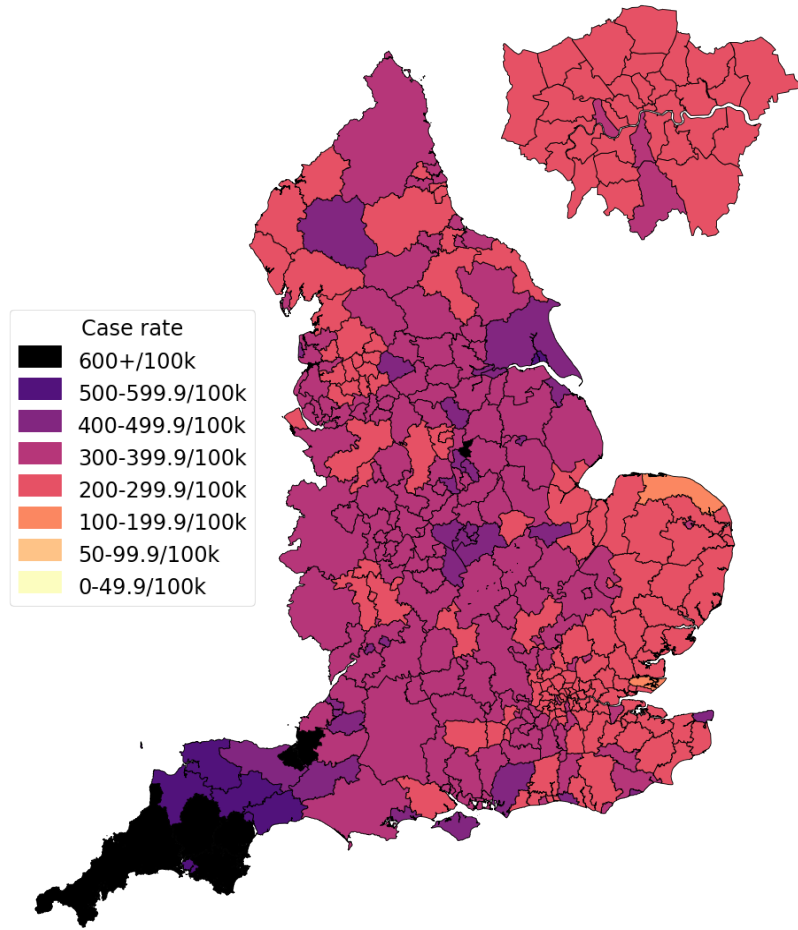
Data for positive cases with specimen dates between 14 August 2021 and 20 August 2021. Compared to the equivalent figure as of 13 August 2021.

Table 2. Data definitions

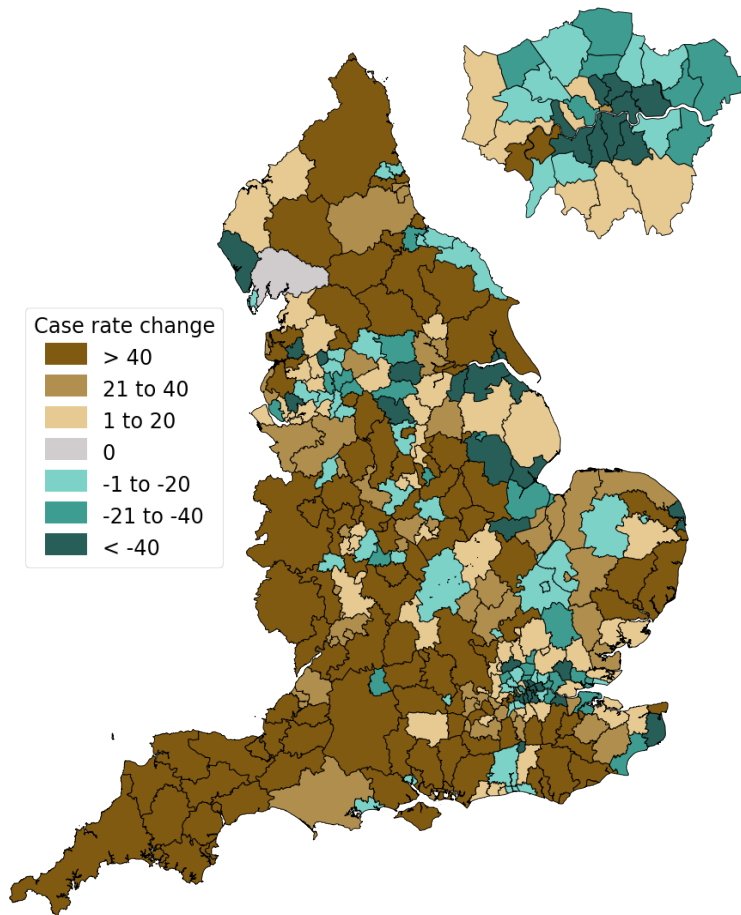
Term	Definition
Weekly case rate	Total number of confirmed cases in the most recent 7 day period per 100,000 individuals
Individuals PCR tested per day per 100,000 (7-DMA)	Number of individuals PCR tested per 100,000 population
Percentage PCR individuals test positive (7-DMA)	Percentage of individuals tested with specimen dates in the most recent 7-day period who were positive for SARS-CoV-2

Figure 1. Weekly case rate and rate of change per 100,000 population by local authority

**Weekly case rates per 100,000 population by local authority for all ages
14 Aug to 20 Aug 2021**



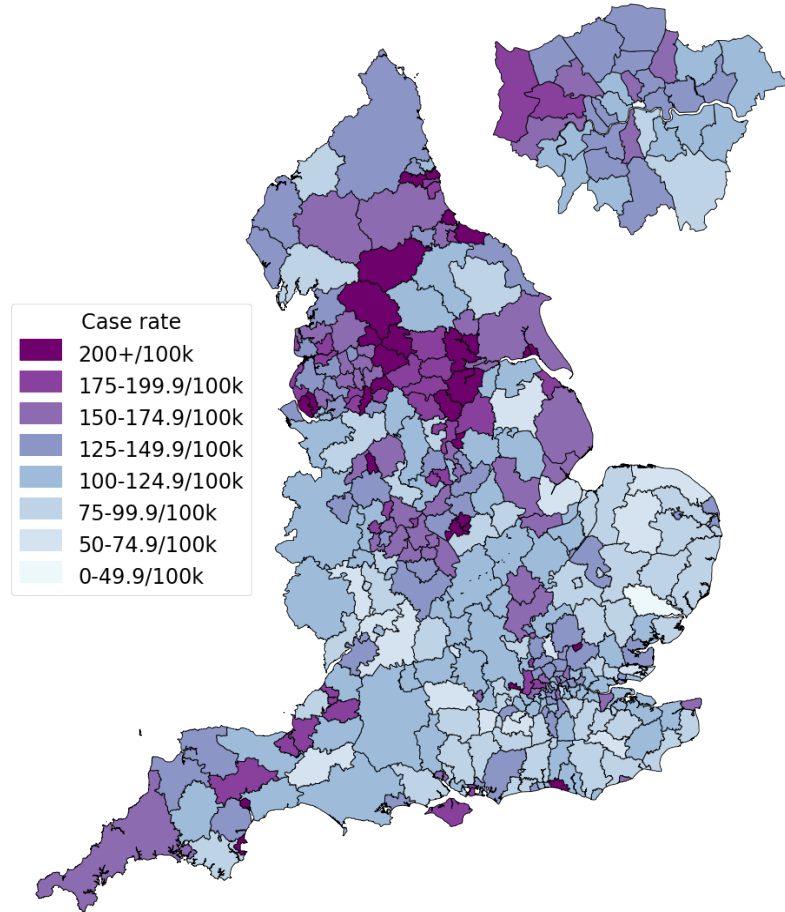
**Absolute change per 100,000 population by local authority for all ages
07 Aug to 13 Aug 2021 and 14 Aug to 20 Aug 2021**



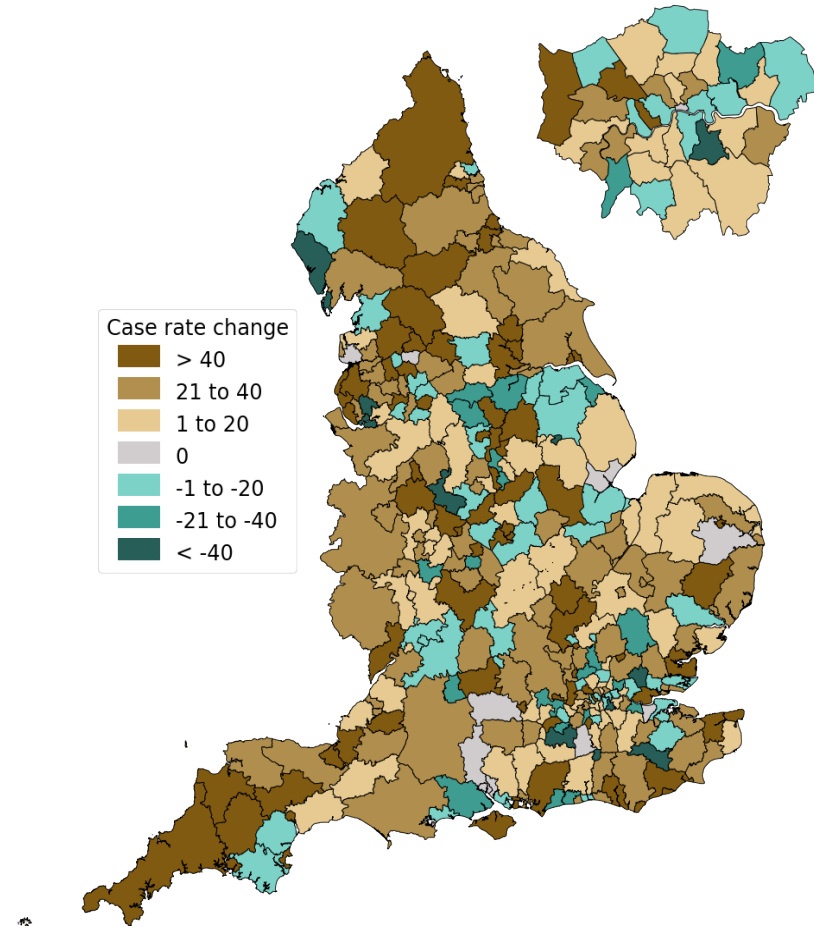
Data from SGSS; Pillar 1 and 2 testing. Contains National Statistics data, including 2020 population estimates. Figure by Joint Biosecurity Centre © Crown copyright and database right 2021.

Figure 2. Weekly case rate and rate of change per 100,000 population by local authority in over-60s only

Weekly case rates per 100,000 population by local authority for ages 60+ 14 Aug to 20 Aug 2021

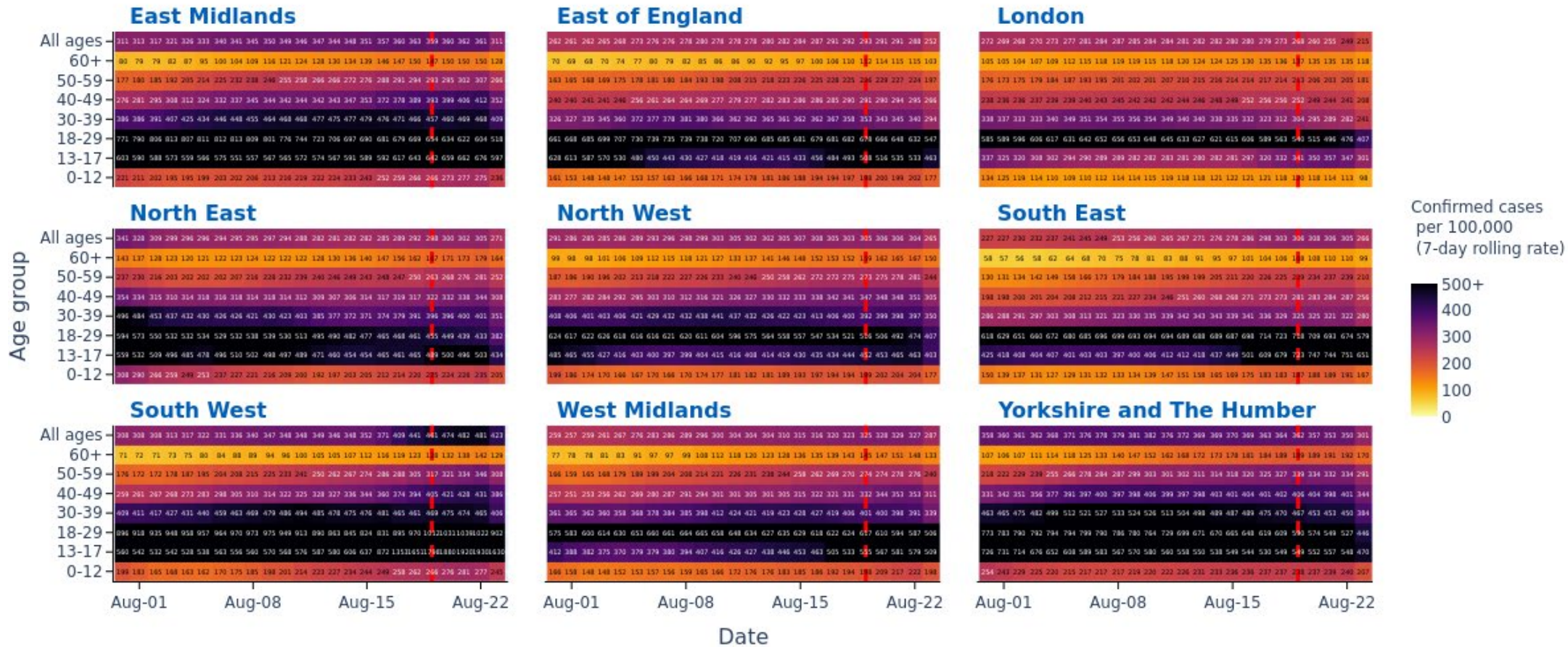


Absolute change per 100,000 population by local authority for ages 60+ 07 Aug to 13 Aug 2021 and 14 Aug to 20 Aug 2021



Data from SGSS; Pillar 1 and 2 testing. Contains National Statistics data, including 2020 population estimates. Figure by Joint Biosecurity Centre © Crown copyright and database right 2021.

Figure 3. Case rate by age group and England regions: data from 31 July to 23 August 2021



Source: SGSS case data. Produced by the Joint Biosecurity Centre. The red dashed line on the heatmap shows the last 4 days where data may be incomplete due to reporting delays and removal of LFDs without accompanying negative PCR results. Please consider this data provisional.

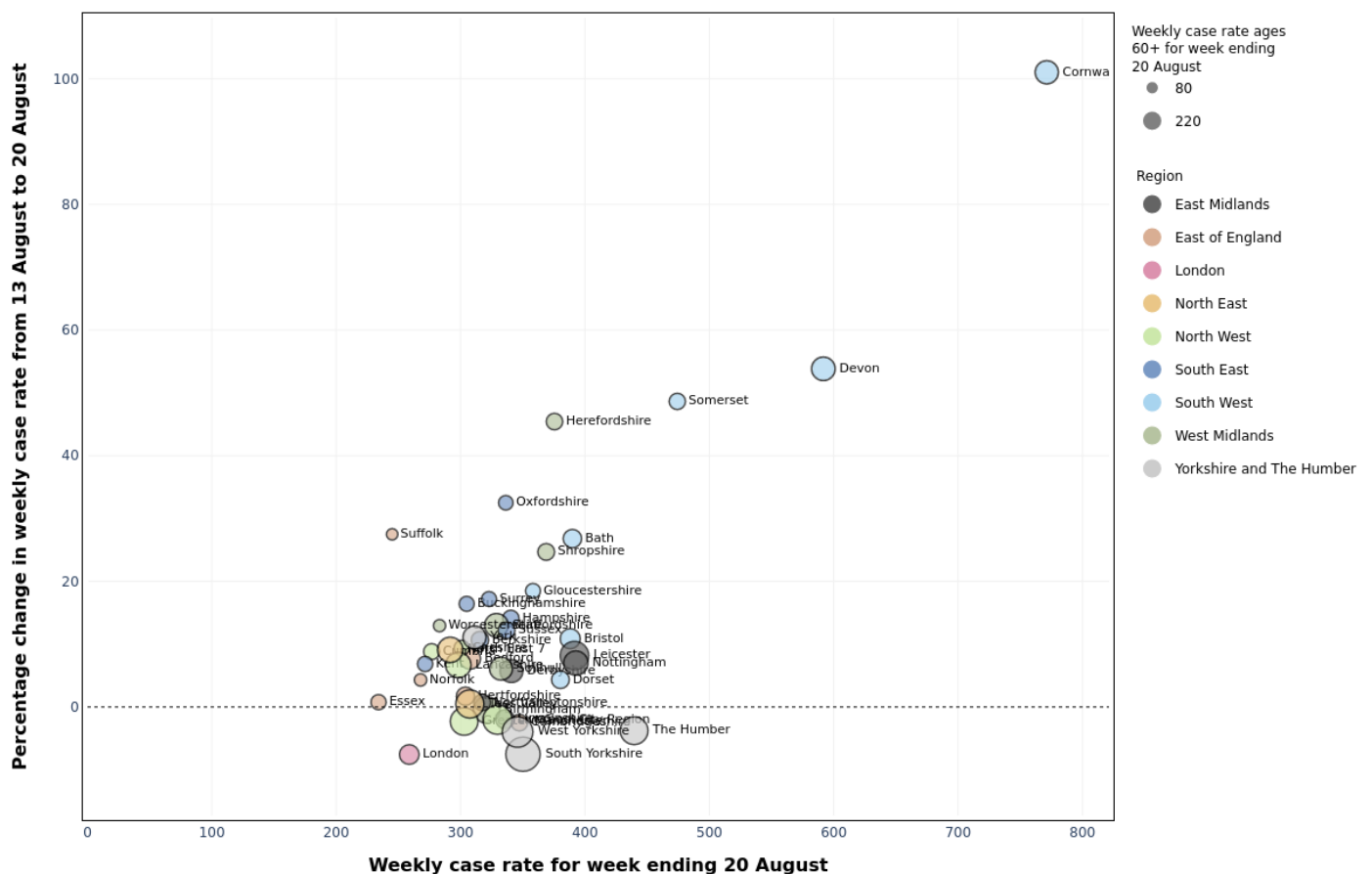
Figure 4. Percentage change in weekly case rates by local authority (20 August versus 13 August comparison)

The chart below shows weekly case rates by area as of 20 August 2021 compared to the percentage change in weekly case rates compared to previous week by area.

The horizontal axis plots the most recent weekly case rate per 100,000 people, and the vertical axis plots the percentage change in weekly case rate from the week before. The further to the right the bubble, the worse the current case rate picture.

The size of each bubble is proportional to the most recent case rate per 100,000 people in those aged over 60 years.

The colour of each bubble indicates which region the area is in.



Data from Public Health England. Figure by Joint Biosecurity Centre. Weekly case rate is defined as the number of cases per 100,000 reported in the seven day period preceding the stated date. Some names have been shortened for legibility.

Data from Joint Biosecurity Centre. Weekly case rate is defined as the number of cases per 100,000 reported in the 7 day period preceding the stated date. Some names have been shortened for legibility.

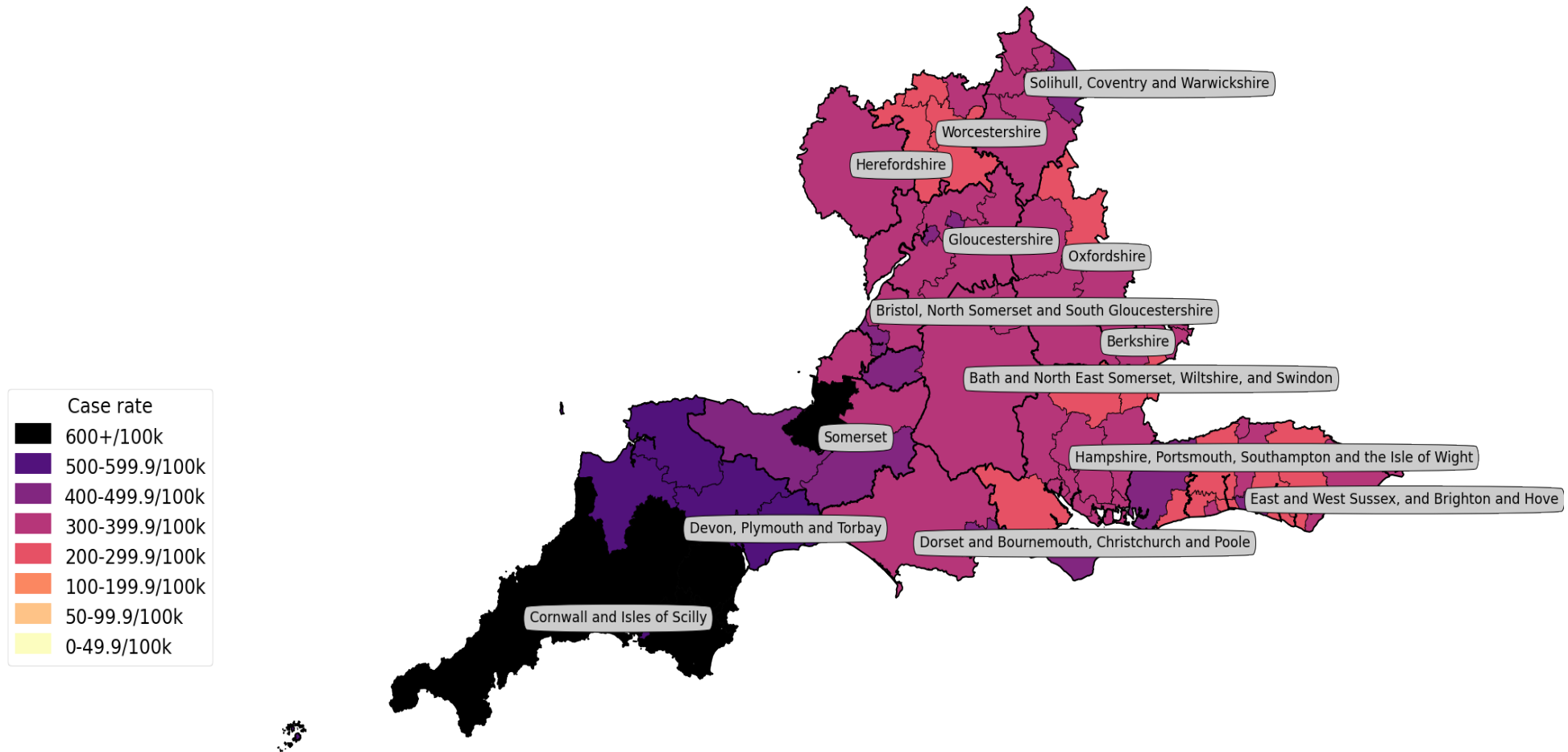
Table 3. South West epidemiology summary

Local authority	Individuals tested per day per 100,000 population: 7-day moving average	Individuals tested per day per 100,000 population: 7-day change	Percentage individuals test positive: 7-day moving average	Percentage individuals test positive: 7-day change	Case rate per 100,000 population, all ages: 7-day moving average	Case rate per 100,000 population, all ages: 7-day change	Case rate per 100,000 population aged 60 and over: 7-day moving average	Case rate per 100,000 population aged 60 years and over: 7-day change	Case rate per 100,000 population aged 17 to 21: 7-day moving average	Case rate per 100,000 population aged 17 to 21: 7-day change	Newly confirmed cases: Last 7 days
Cornwall	673	Increase	16.4%	Increase	772	Increase	153	Increase	4660	Increase	4,426
Sedgemoor	719	Increase	14.8%	Increase	726	Increase	184	Increase	3471	Increase	896
West Devon	701	Increase	13.9%	Increase	681	Increase	123	Increase	5944	Increase	382
Teignbridge	738	Increase	12.5%	Increase	661	Increase	144	Decrease	4500	Increase	893
Torbay	774	Increase	12.3%	Increase	653	Increase	216	Increase	3174	Increase	890
South Hams	617	Increase	13.9%	Increase	606	Increase	78	Decrease	4273	Increase	533
Exeter	730	Increase	11.9%	Decrease	593	Increase	257	Increase	1150	Increase	790
Mid Devon	615	Increase	13.5%	Increase	592	Increase	197	Increase	3192	Increase	493
East Devon	721	Increase	11.7%	Increase	589	Increase	115	Increase	4358	Increase	872
Torrige	758	Increase	11.0%	Increase	586	Increase	137	Increase	5322	Increase	403
Isles of Scilly	546	Increase	15.3%	Increase	584	Increase	264	Increase	1163	No change	13
North Devon	678	Increase	11.9%	Increase	567	Increase	134	Increase	4251	Increase	557
Plymouth	628	Increase	12.0%	Increase	512	Increase	165	Increase	1361	Increase	1,345
Bristol, City of	612	Increase	10.3%	Increase	432	Increase	180	Increase	768	Increase	2,011
Somerset West and Taunton	677	Increase	9.2%	Increase	429	Increase	105	Increase	2167	Increase	666
Bath and North East Somerset	563	Increase	10.9%	Increase	427	Increase	190	Increase	1162	Increase	839
Gloucester	577	Increase	10.5%	Increase	412	Increase	146	Increase	1262	Increase	534
Bournemouth, Christchurch and Poole	603	Decrease	10.1%	Increase	409	Decrease	134	Decrease	1192	Increase	1,625
South Somerset	587	Increase	9.8%	Increase	408	Increase	72	Increase	2157	Increase	689
Cheltenham	604	Increase	9.6%	Increase	402	Increase	101	Decrease	1872	Increase	467
Wiltshire	529	Increase	10.8%	Increase	394	Increase	111	Increase	2301	Increase	1,985
Stroud	551	Increase	10.1%	Increase	376	Increase	137	Increase	1985	Increase	454
Mendip	523	Increase	10.2%	Increase	364	Increase	113	Increase	1665	Increase	423
South Gloucestershire	562	Increase	9.3%	No change	357	Increase	117	Increase	1039	Increase	1,026
Dorset	518	Decrease	9.7%	Increase	350	Increase	112	Increase	2038	Increase	1,329
Swindon	530	Increase	9.7%	Decrease	348	Decrease	105	Decrease	995	Increase	776
North Somerset	616	Increase	7.9%	Increase	336	Increase	100	Increase	1500	Increase	725
Cotswold	514	Increase	9.0%	Increase	311	Increase	70	Decrease	2344	Increase	281
Forest of Dean	516	Increase	8.9%	Increase	308	Increase	97	Increase	1130	Increase	268
Tewkesbury	504	Increase	8.5%	Increase	301	Increase	69	Decrease	1684	Increase	291
South West	608	Increase	11.3%	Increase	475	Increase	133	Increase	2054	Increase	26,882

Data for positive cases with specimen dates between 14 August 2021 and 20 August 2021. Compared to the equivalent figure as of 13 August 2021.

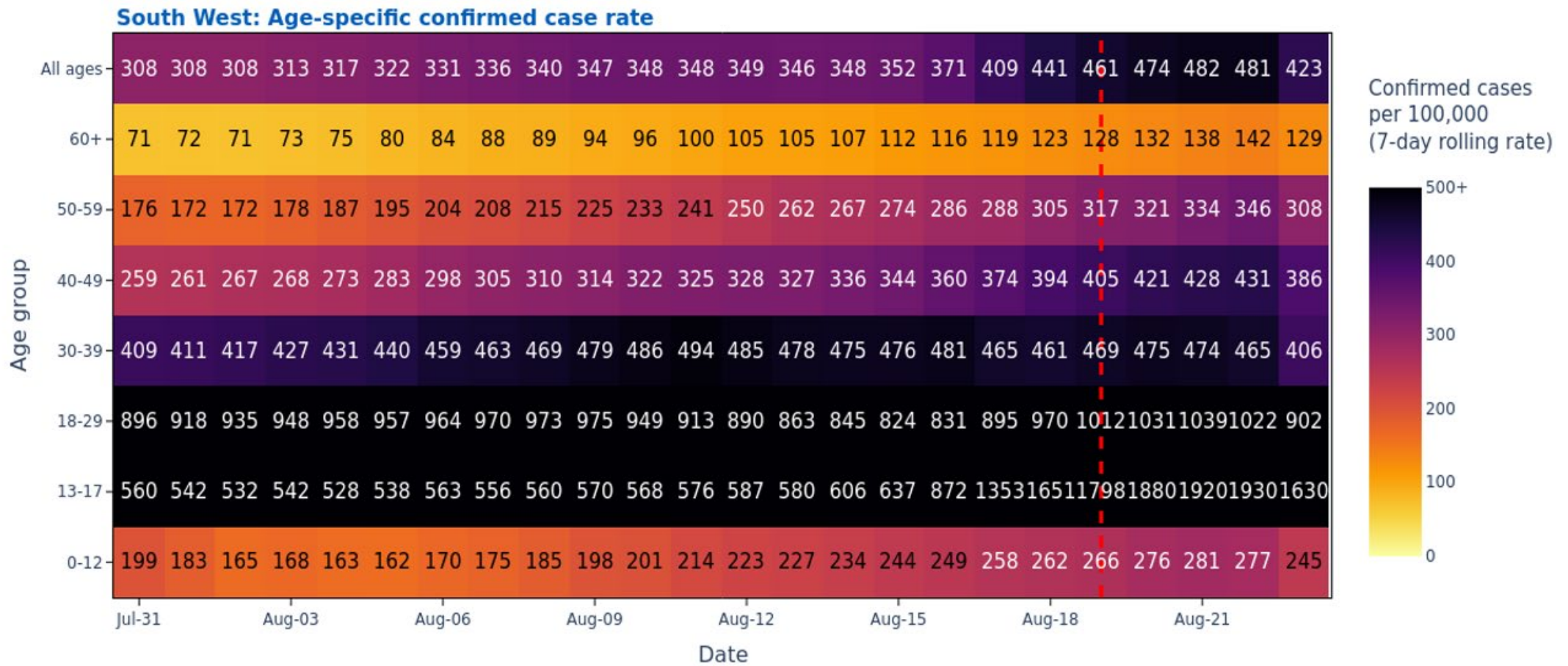
Figure 5. South West extended area map by local authority

South West and surrounding areas
COVID-19 cases 14 Aug to 20 Aug 2021
Weekly case rate per 100,000 population by Local Authority



Data Source: SGSS. Produced by Joint Biosecurity Centre. Contains National Statistics data including 2020 population estimates © Crown copyright and database right 2021.

Figure 6. South West heatmap



Source: SGSS case data. Produced by the Joint Biosecurity Centre. The red dashed line on the heatmap shows the last 4 days where data may be incomplete due to reporting delays and removal of LFDs without accompanying negative PCR results. Please consider this data provisional.