

Surrey COVID-19 Intelligence Summary

9 November 2020

Surrey County Council

Public Health Team

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Summary

- COVID-19 weekly cases increased slightly in Surrey. Across the UK case numbers have remained stable this week (31st October to 6th November).
- For the latest week of data (31st October to 6th November), 123.1 cases per 100,000 population were recorded in Surrey. This rate is relatively low when compared with England; 223.3 per 100,000 population.
- The estimated R number for the South East is 1.2-1.4. There is a high degree of uncertainty around this estimate due to highly variable transmission across the region, so it is not robust enough to use for policy decisions.

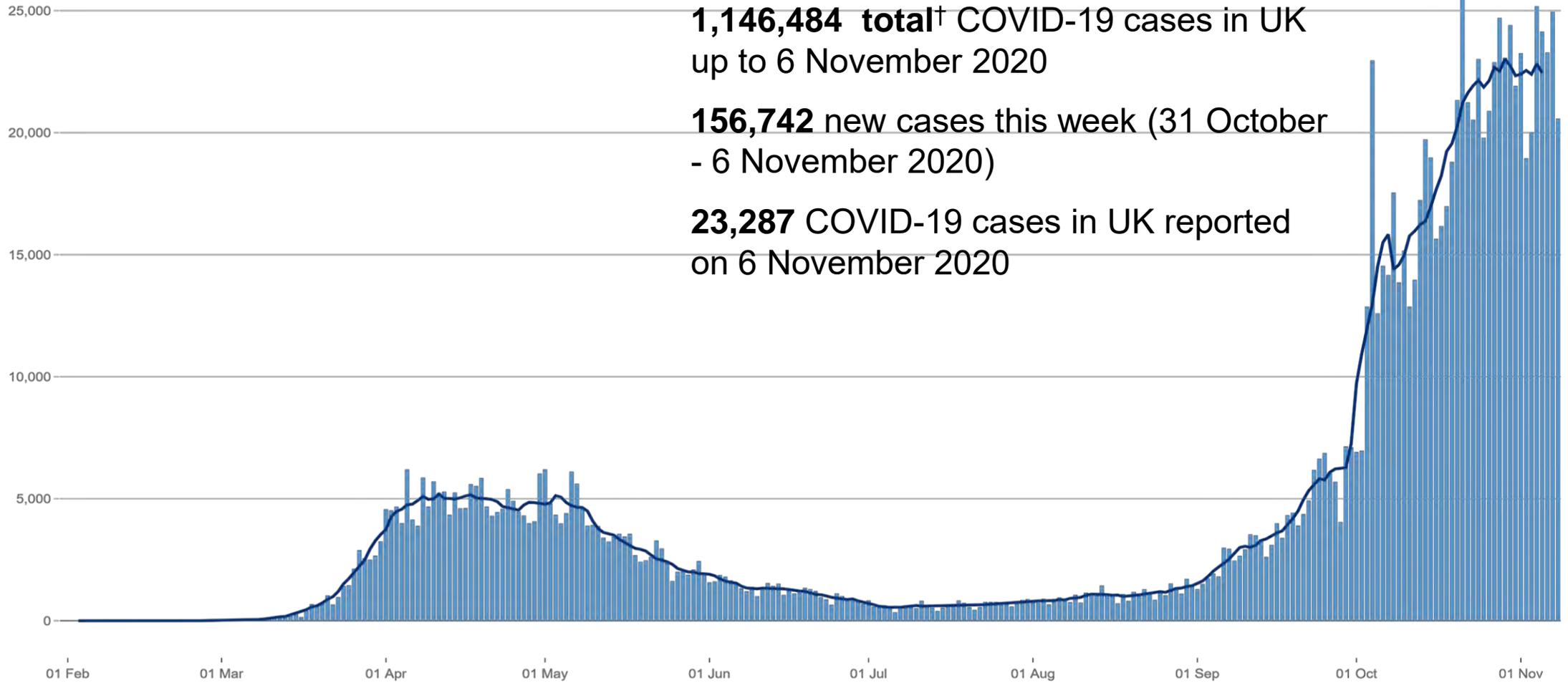
Notes on the data presented

- The following figures and graphs are a summary of data in the public domain.
- The report presents the most up-to-date weekday data at the time of writing.
- The report presents the 7-day and 14-day rates. 14-day rates provide a clearer picture of the data overall, while the 7-day rate allow insight into the most recent picture (however, this data must be monitored for potential reporting lag).
- The 7 day average line on the chart is calculated using the average of cases for three days before, the date itself and the three days after any specific date. As such, the average takes into account case numbers past the point where it is plotted and therefore can show as being higher than the previous day's cases leading up to it.
- The weekly rates calculated in-house using the Public Health England (PHE) published data, this is before PHE releases its official weekly report. The case number may change which can lead to a slight variation between the calculated weekly rates and PHE's weekly rates once released a week later.
- There are no set numbers of cases that define an area as being at a particular level of concern. To give advice to key partners, two main areas need to be considered beyond simple numbers:
 1. Whether cases are linked to each other. Cases in a small area who have contracted COVID-19 from different sources requires a different response to cases in the same area who have contracted the virus from the same setting. There are strict definitions about what is an 'outbreak'. Local authorities work closely with Public Health England to establish if cases are linked or separate.
 2. Whether the case numbers are significantly and consistently greater than expected. This involves interpretation of a daily 'exceedance report' from Public Health England, which takes into account the size of local populations, recent trends, the level of statistical confidence in fluctuations in case numbers, and the situation outside Surrey.
- [Surrey's Local Outbreak Control Plan](#) has more information about the measures in place to identify and contain COVID-19 outbreaks and protect the public's health. This plan is regularly reviewed and updated.

Putting Surrey in a national context

COVID-19 cases* in UK up to 6 November 2020

Daily cases by date reported, UK, up to 6 November 2020



1,146,484 total[†] COVID-19 cases in UK up to 6 November 2020

156,742 new cases this week (31 October - 6 November 2020)

23,287 COVID-19 cases in UK reported on 6 November 2020

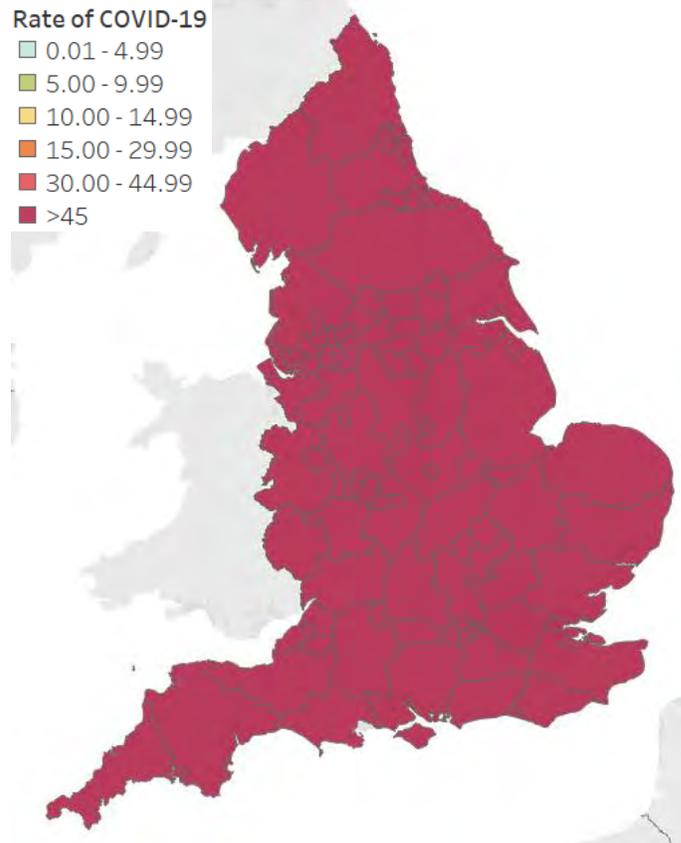
■ Number of cases ■ Cases (7-day average)

*people with a lab-confirmed positive test result

† cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

Weekly COVID-19 case * rates in counties and London, England, 31 October - 6 November 2020



Area	Cases per 100,000 population (31 October - 6 November)
Kent	139.4
Buckinghamshire	128.5
Surrey	123.1
Oxfordshire	114.1
Hampshire	105.0
West Sussex	84.0
West Berkshire	78.9
East Sussex	51.1
South East	116.5
London	135.9
England	223.3

*rate per 100,000 population calculated in-house using Public Health England (PHE) daily published data

*people with a lab-confirmed positive test result, London region corresponds to Greater London.

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/government/collections/covid-19-in-the-uk)

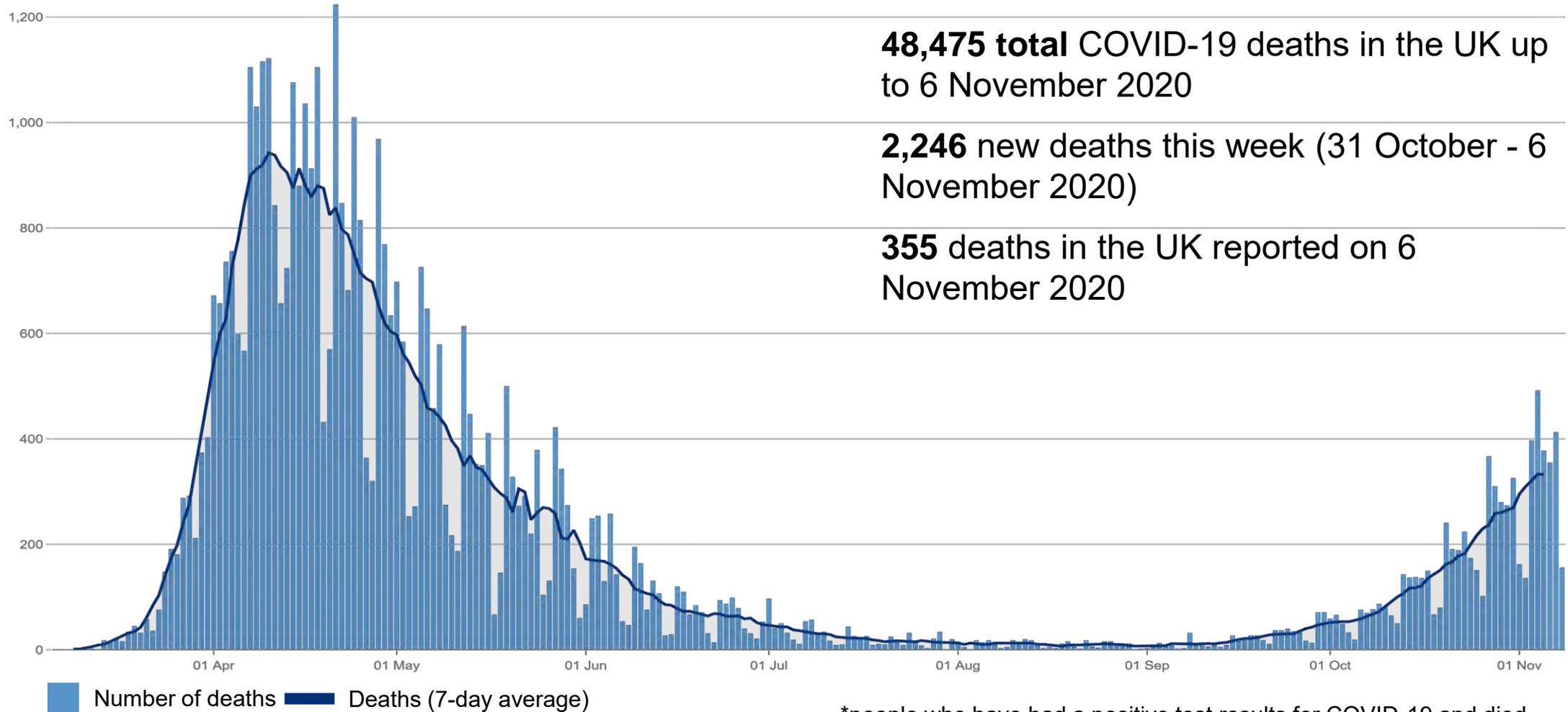
Weekly COVID-19 case * rates for the UTLAs with the highest rates compared to Surrey

Rank (Highest Weekly Case Rate)	Area	COVID-19 cases (Last 7 days)	Rate per 100,000 population (Last 7 days)
1	Oldham	1,643	692.9
2	Kingston upon Hull, City of	1,792	689.8
3	Blackburn with Darwen	974	650.7
4	North East Lincolnshire	974	610.4
5	Bradford	3,072	569.1
6	Kirklees	2,446	556.2
7	Wigan	1,789	544.3
8	Bury	1,038	543.5
9	Rochdale	1,206	542.2
10	Salford	1,323	511.1
94	Surrey	1,472	123.1
-	England	125,700	223.3

Note: the number of new cases in the week from the 31st October to 6th November per 100,000 population has been calculated in-house using Public Health England (PHE) daily published data. The rank is out of 118.

COVID-19 deaths* in the UK up to 6 November 2020

Daily deaths by date reported in the UK, up to 6 November 2020

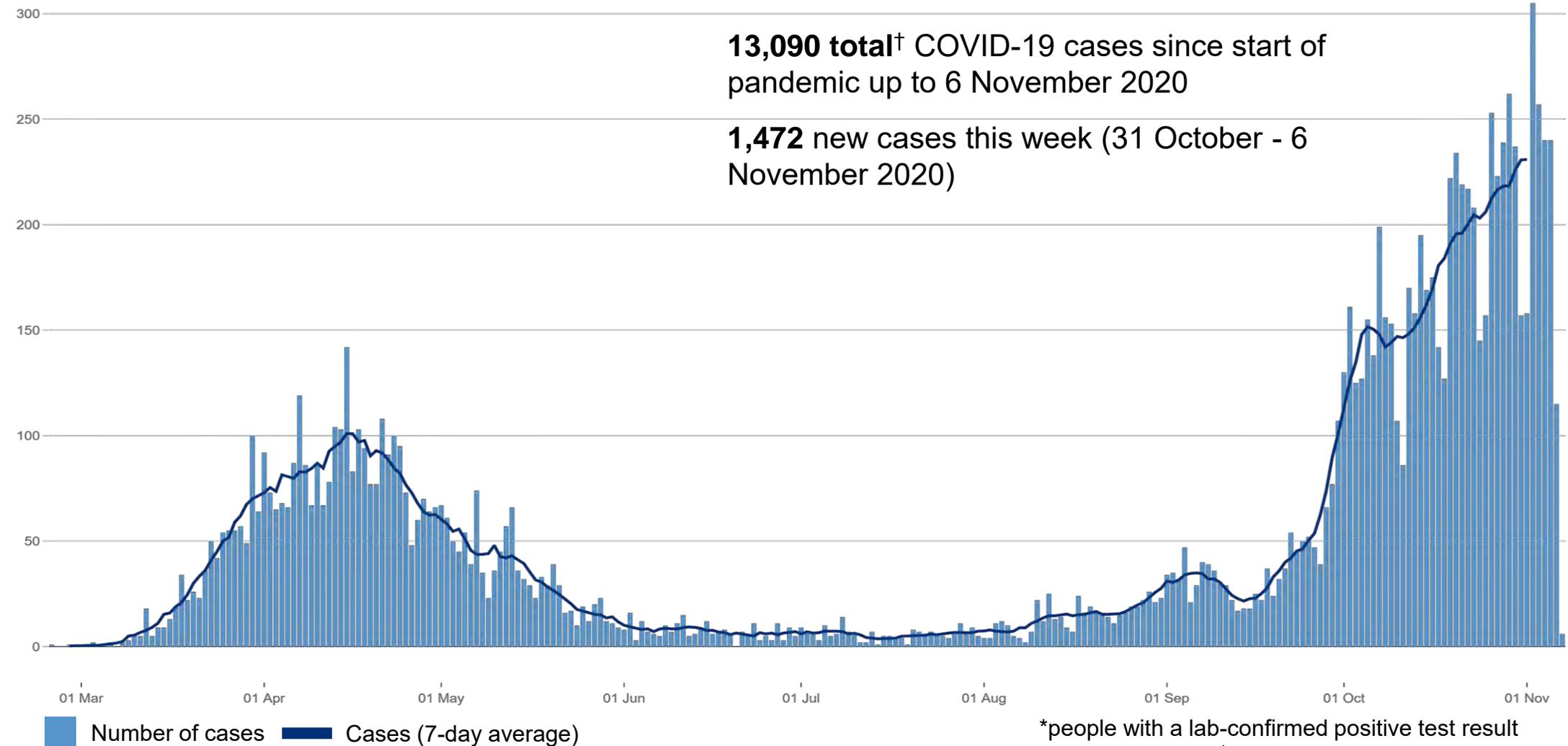


*people who have had a positive test results for COVID-19 and died within 28 days of the first positive test
Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

Cases in Surrey & districts & boroughs

COVID-19 cases* in Surrey up to 6 November 2020

Daily cases by specimen date, Surrey, up to 6 November 2020



*people with a lab-confirmed positive test result
† cumulative number of cases

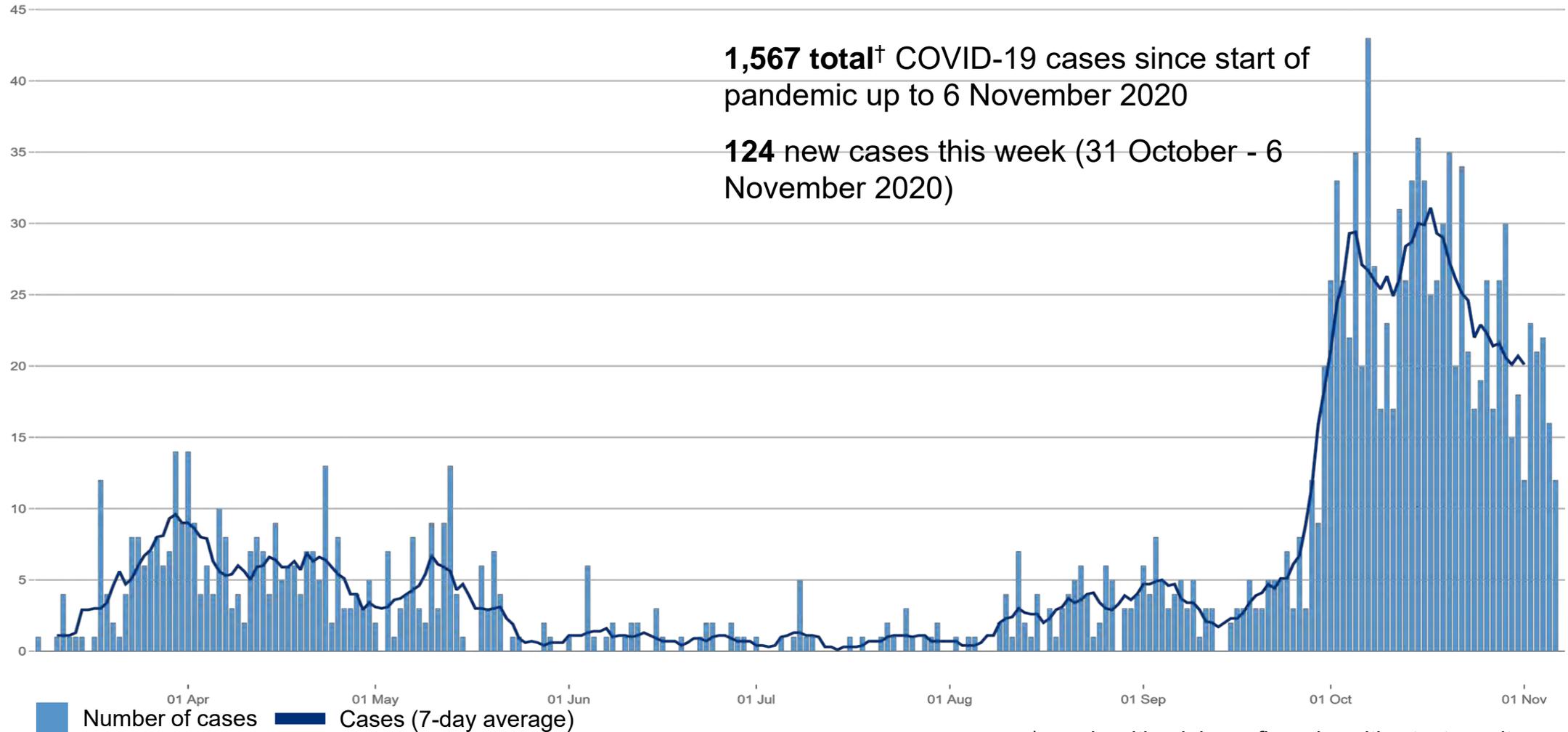
Total COVID-19 cases* in Surrey districts and boroughs up to 6 November 2020

Area	Total COVID-19 (All cases)	Rate per 100,000 population	COVID-19 cases (Last 14 days)	Rate per 100,000 population (Last 14 days)	COVID-19 cases (Last 7 days)	Rate per 100,000 population (Last 7 days)
England	1,014,877	1,803	255,385	453.7	125,700	223.3
Surrey	13,090	1,094	2,988	249.8	1,472	123.1
Spelthorne	1,156	1,158	358	358.6	193	193.3
Mole Valley	1,006	1,153	314	359.9	146	167.3
Runnymede	1,001	1,119	244	272.9	126	140.9
Woking	1,113	1,104	280	277.8	137	135.9
Guildford	1,575	1,057	360	241.6	198	132.9
Epsom and Ewell	900	1,116	212	262.9	88	109.1
Surrey Heath	997	1,116	179	200.4	96	107.5
Reigate and Banstead	1,591	1,070	309	207.7	158	106.2
Waverley	1,368	1,083	282	223.2	122	96.6
Tandridge	816	926	176	199.7	84	95.3
Elmbridge	1,567	1,146	274	200.3	124	90.6

Note: the new cases for last 7 days (31st October to 6th November) and 14 days (24th October to 6th November) per 100,000 population has been calculated inhouse using the Public Health England (PHE) daily published data. 14-day rates provide a clearer picture of the data overall, while the 7-day rate gives the most recent picture (however, this data must be monitored for potential reporting lag).

COVID-19 cases* in Elmbridge up to 6 November 2020

Daily cases by specimen date, Elmbridge, up to 6 November 2020



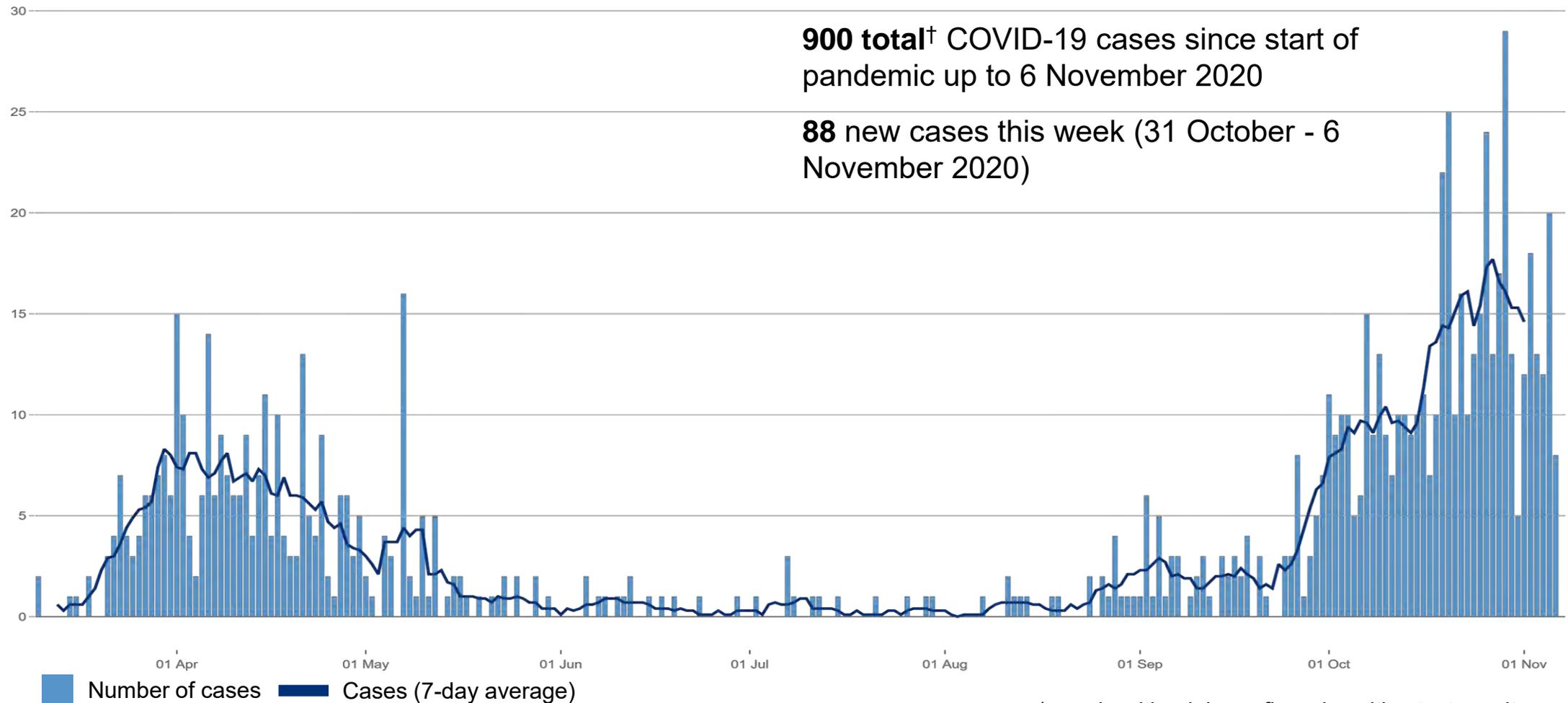
*people with a lab-confirmed positive test result

[†] cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

COVID-19 cases* in Epsom and Ewell up to 6 November 2020

Daily cases by specimen date, Epsom and Ewell, up to 6 November 2020



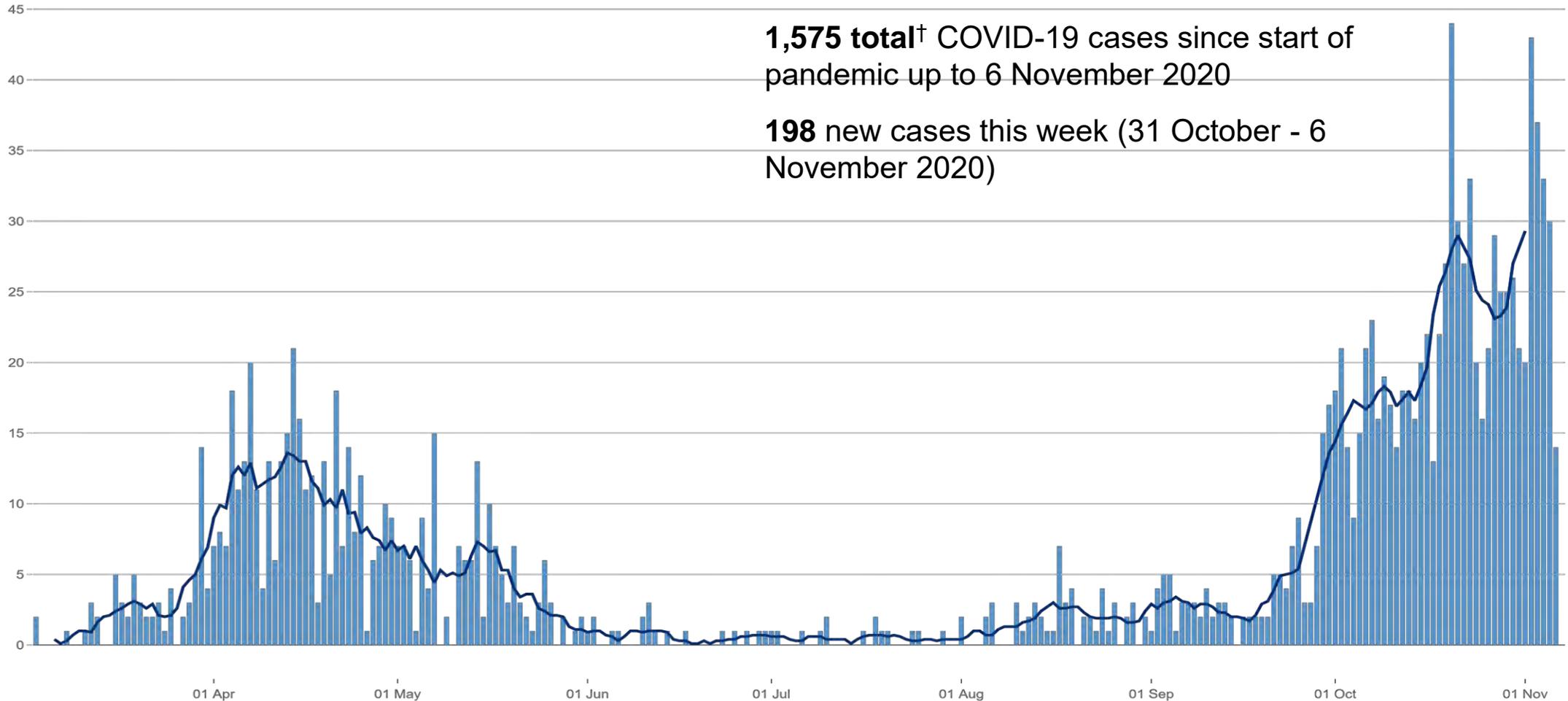
*people with a lab-confirmed positive test result

† cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

COVID-19 cases* in Guildford up to 6 November 2020

Daily cases by specimen date, Guildford, up to 6 November 2020



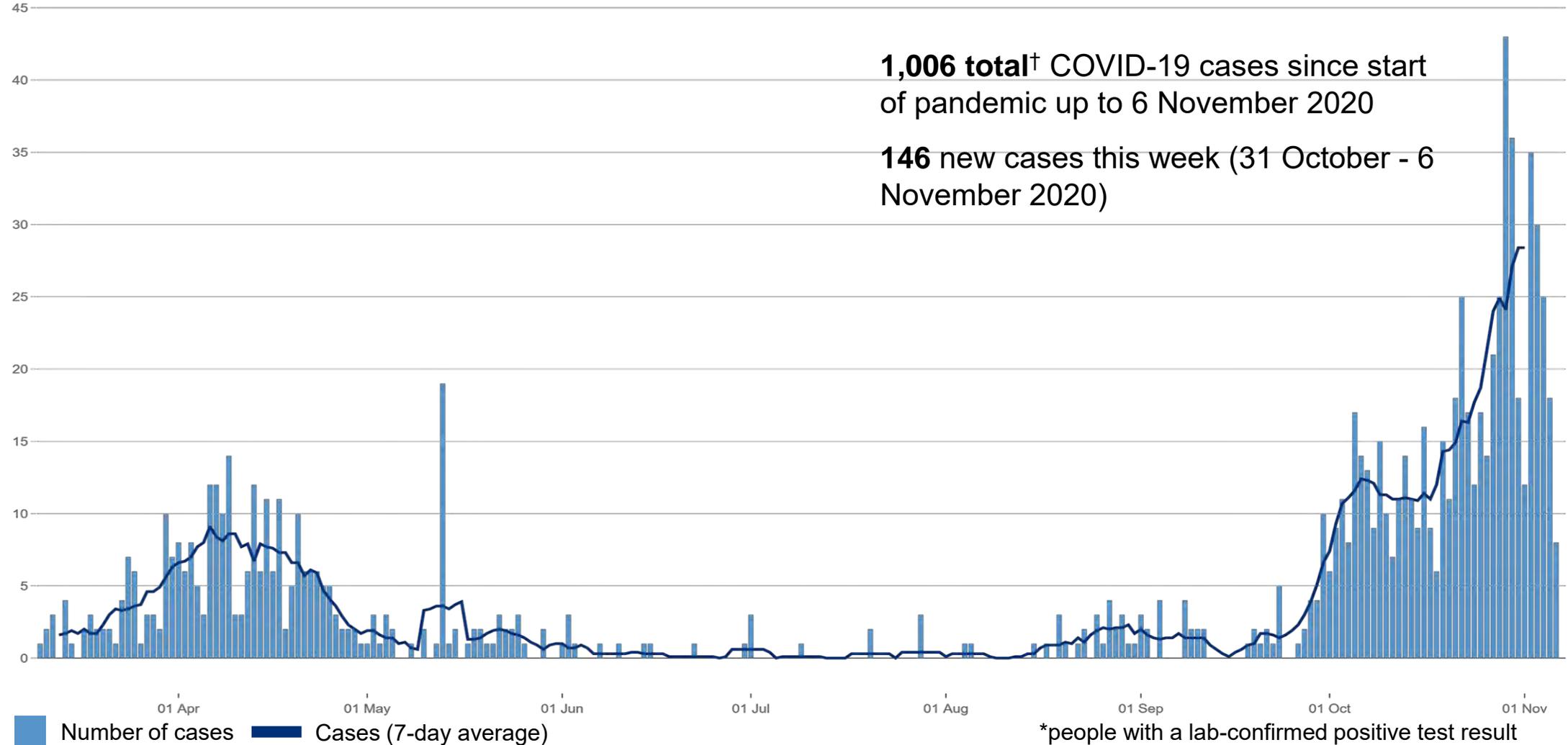
■ Number of cases ■ Cases (7-day average)

*people with a lab-confirmed positive test result

† cumulative number of cases

COVID-19 cases* in Mole Valley up to 6 November 2020

Daily cases by specimen date, Mole Valley, up to 6 November 2020

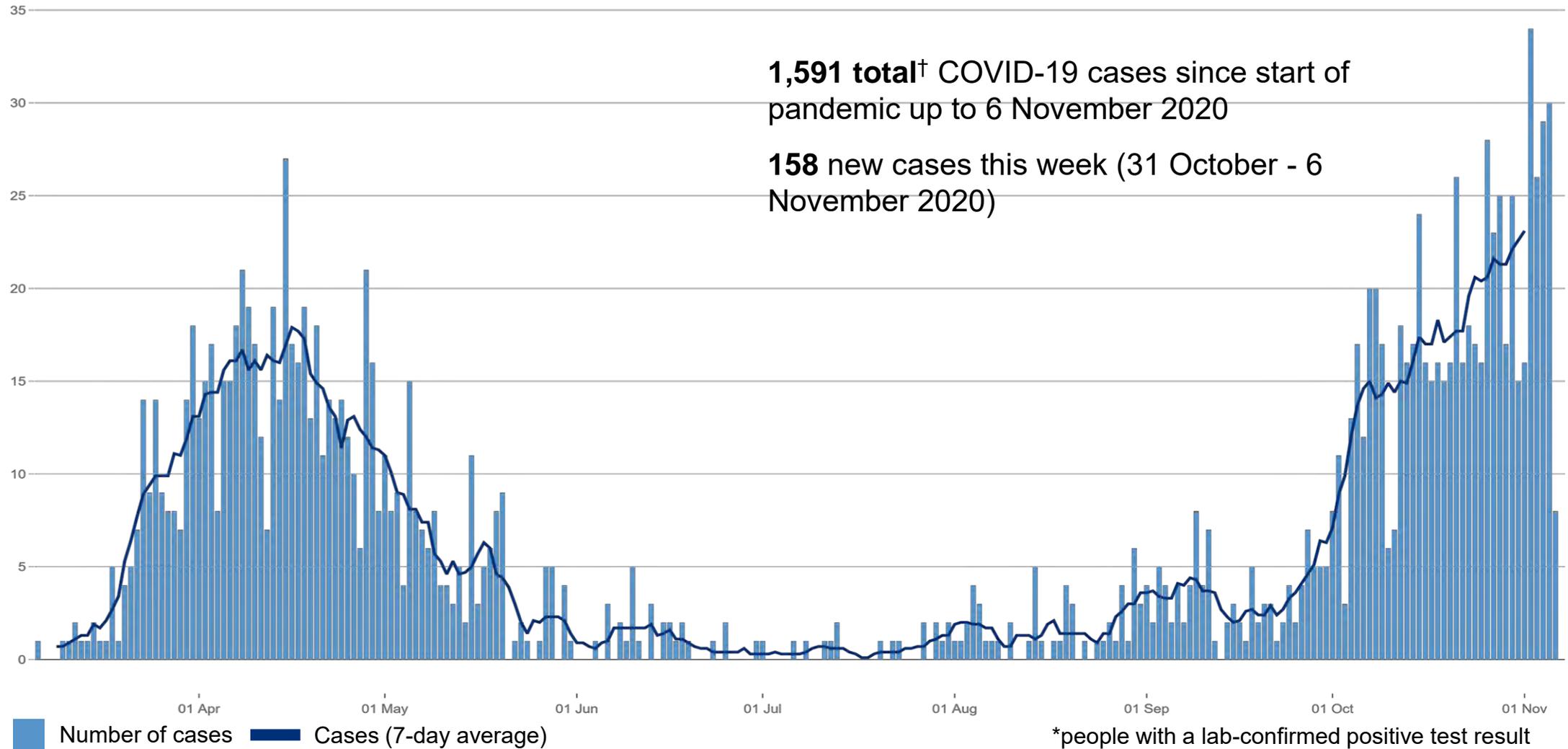


■ Number of cases ■ Cases (7-day average)

*people with a lab-confirmed positive test result
[†] cumulative number of cases

COVID-19 cases* in Reigate and Banstead up to 6 November 2020

Daily cases by specimen date, Reigate and Banstead, up to 6 November 2020



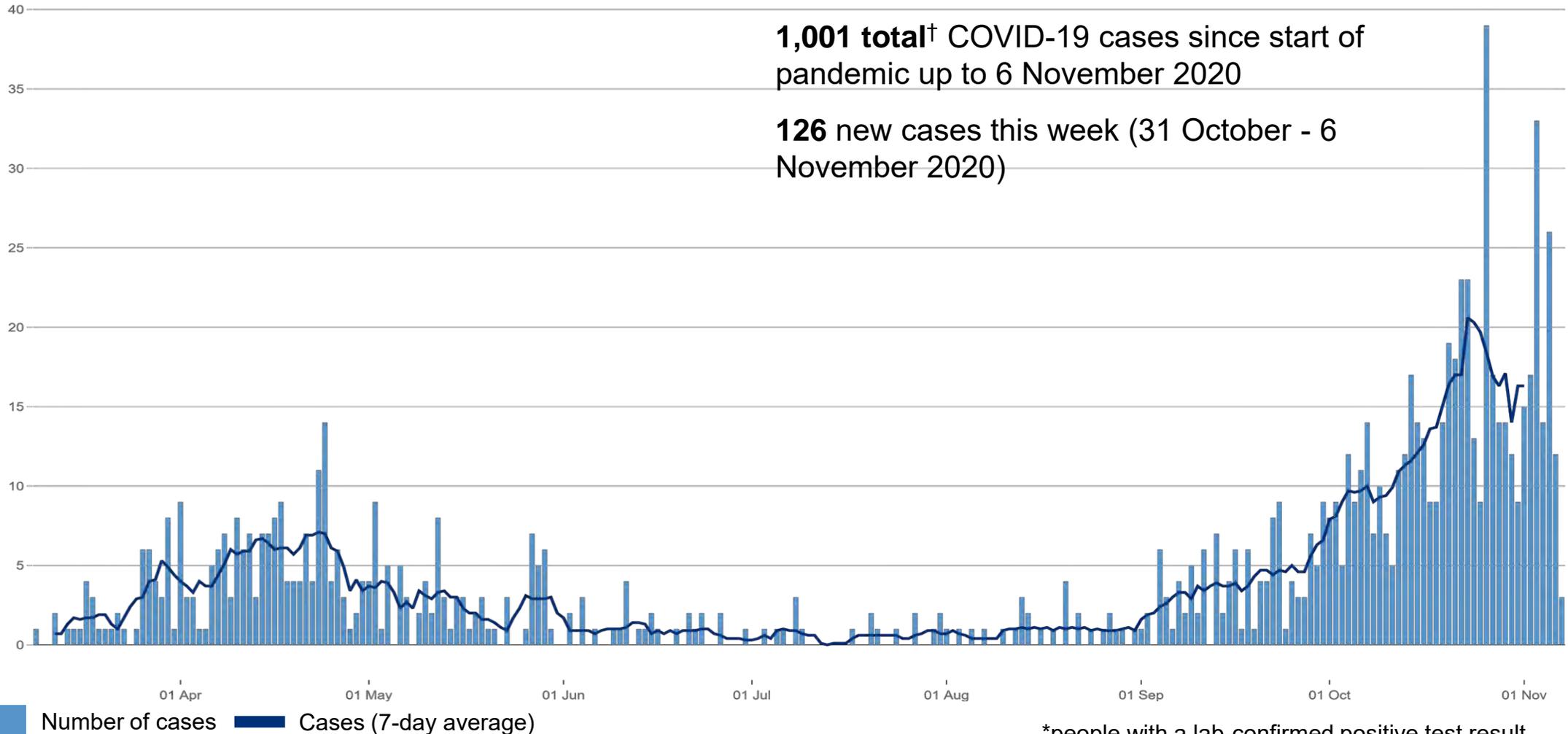
*people with a lab-confirmed positive test result

[†] cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

COVID-19 cases* in Runnymede up to 6 November 2020

Daily cases by specimen date, Runnymede, up to 6 November 2020

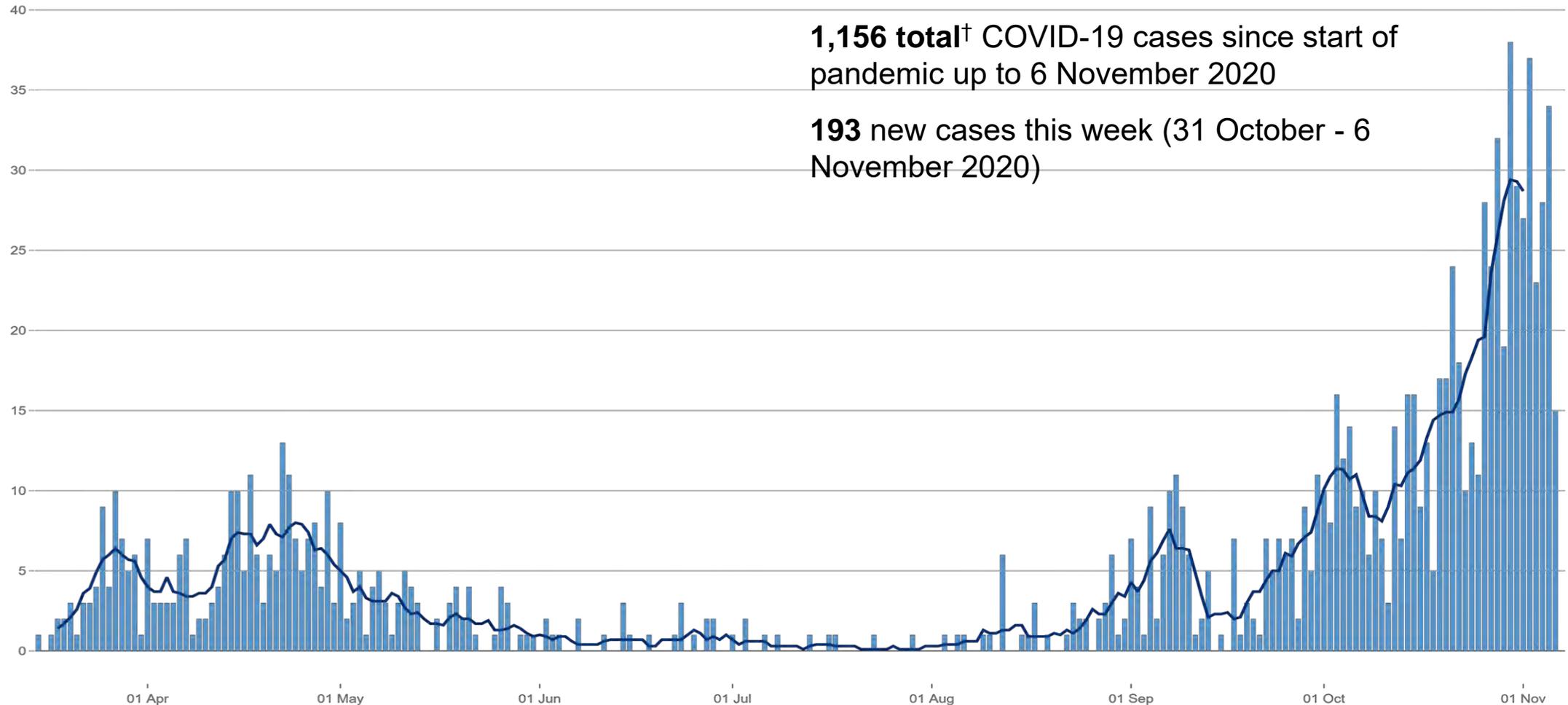


*people with a lab-confirmed positive test result

[†] cumulative number of cases

COVID-19 cases* in Spelthorne up to 6 November 2020

Daily cases by specimen date, Spelthorne, up to 6 November 2020



1,156 total[†] COVID-19 cases since start of pandemic up to 6 November 2020

193 new cases this week (31 October - 6 November 2020)

■ Number of cases ■ Cases (7-day average)

09/11/2020

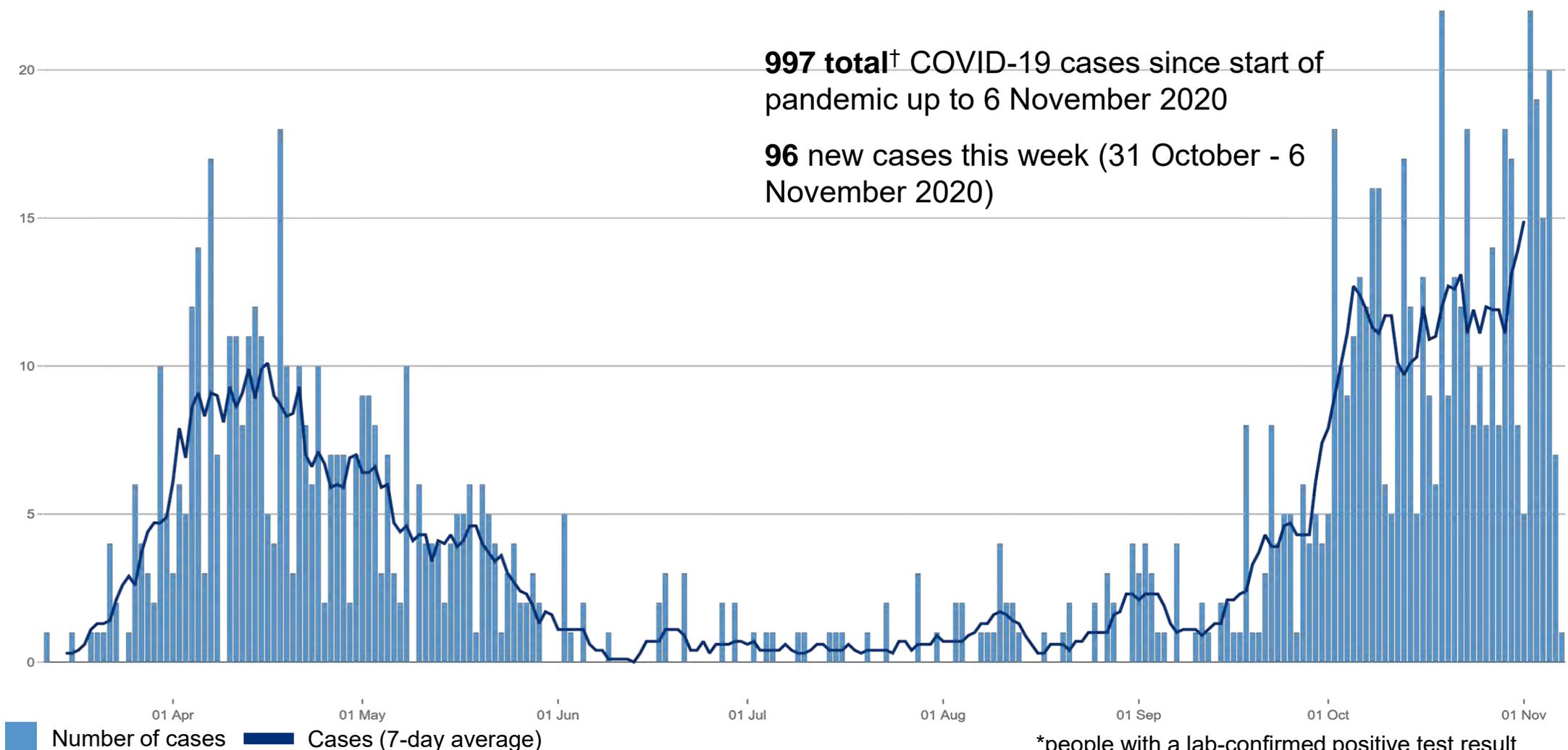
*people with a lab-confirmed positive test result

† cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

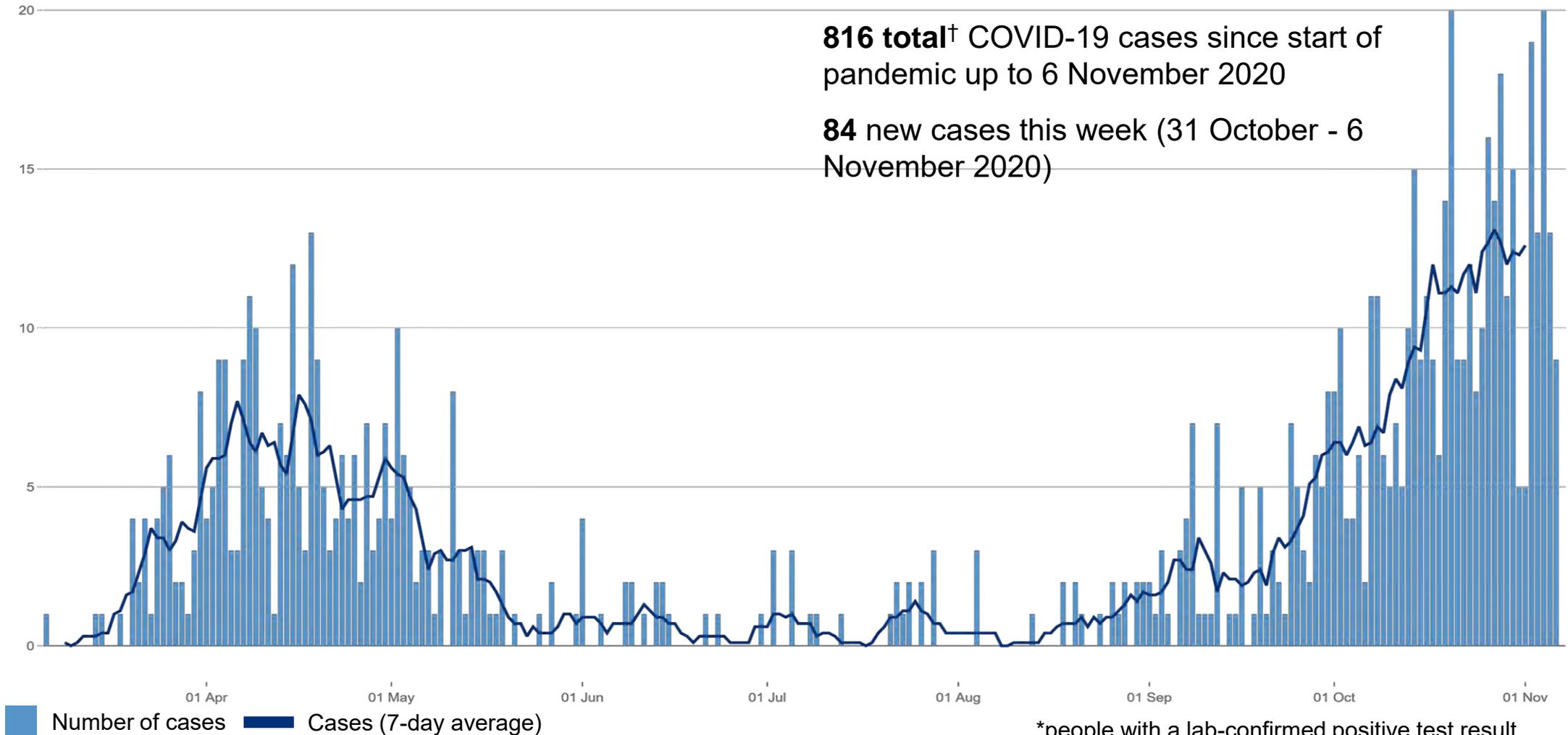
COVID-19 cases* in Surrey Heath up to 6 November 2020

Daily cases by specimen date, Surrey Heath, up to 6 November 2020



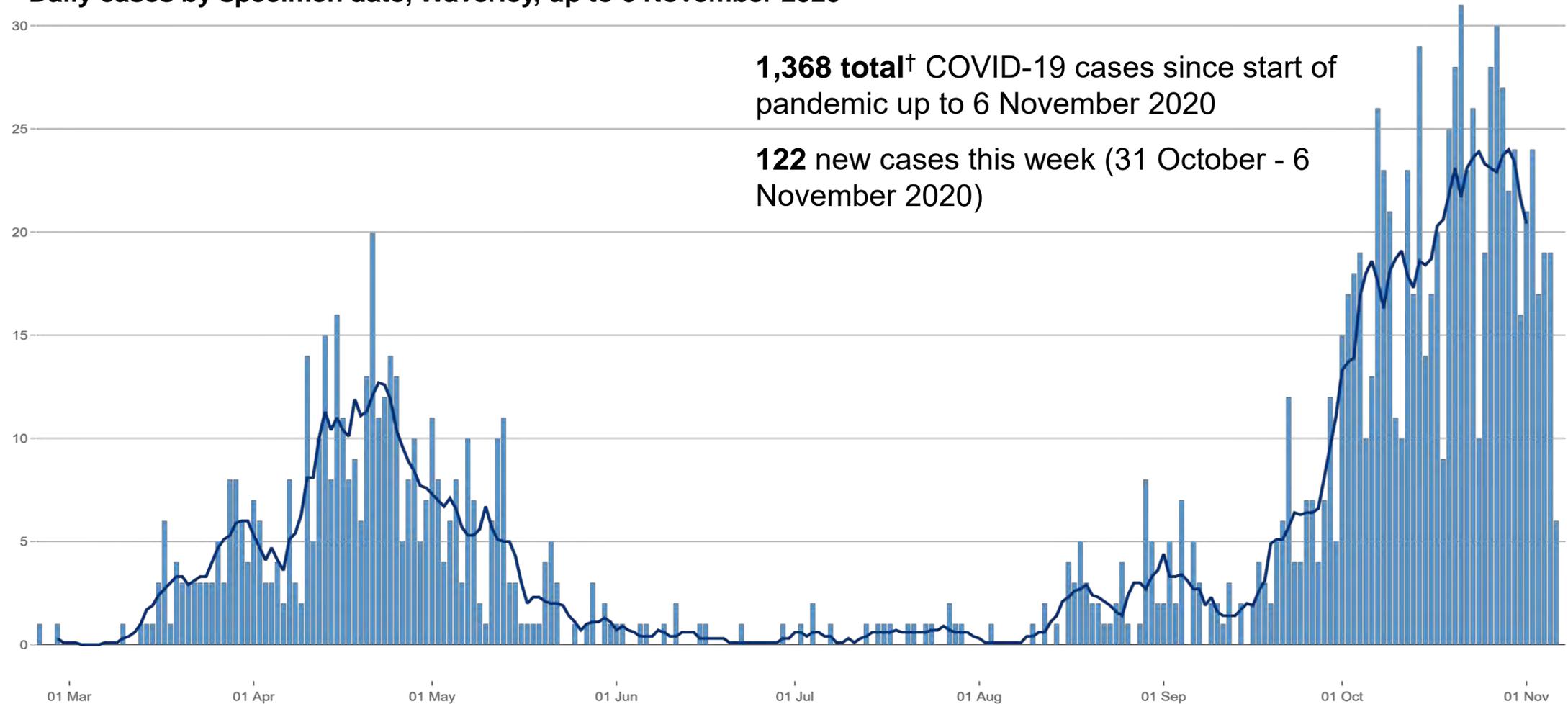
COVID-19 cases* in Tandridge up to 6 November 2020

Daily cases by specimen date, Tandridge, up to 6 November 2020



COVID-19 cases* in Waverley up to 6 November 2020

Daily cases by specimen date, Waverley, up to 6 November 2020



1,368 total[†] COVID-19 cases since start of pandemic up to 6 November 2020

122 new cases this week (31 October - 6 November 2020)

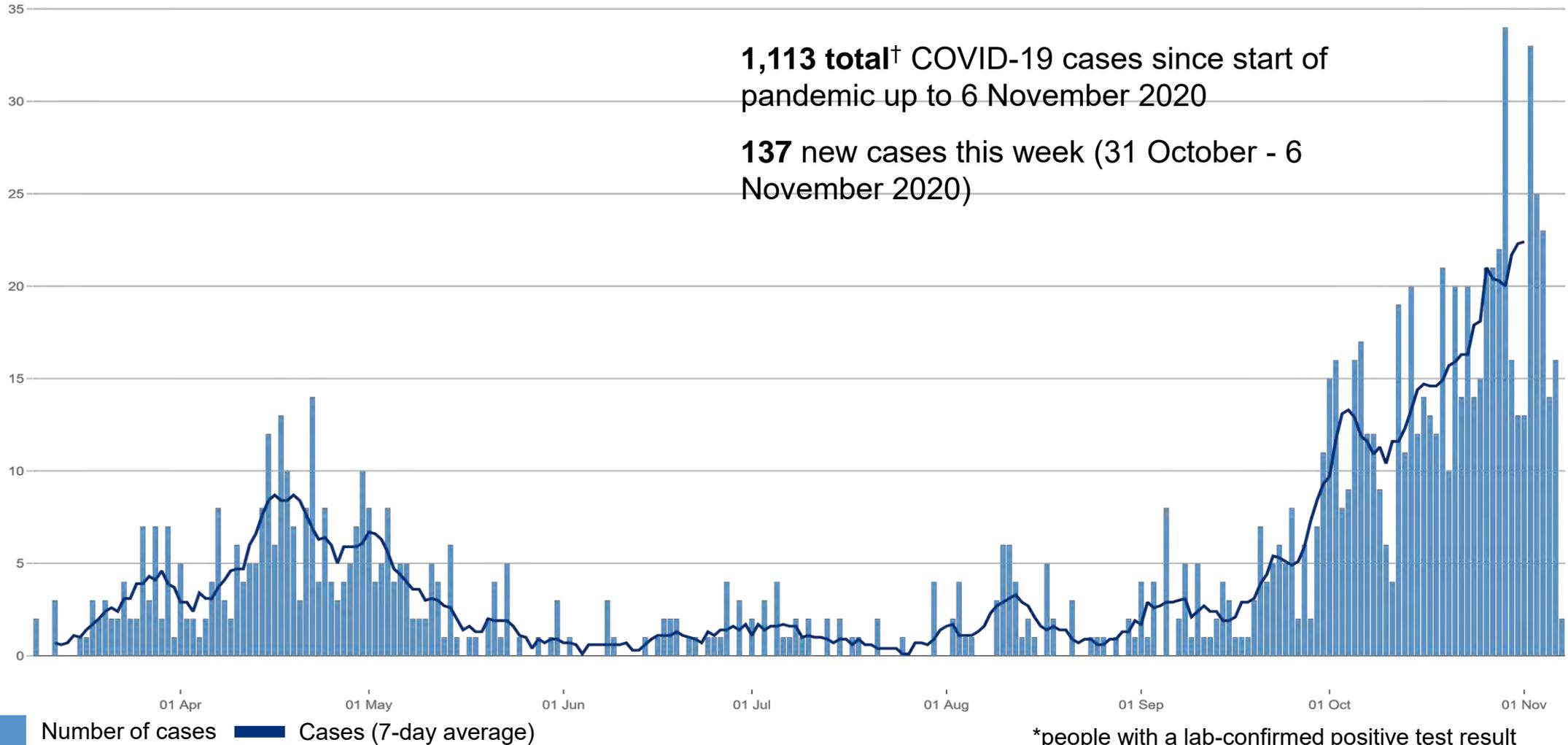
■ Number of cases ■ Cases (7-day average)

*people with a lab-confirmed positive test result

† cumulative number of cases

COVID-19 cases* in Woking up to 6 November 2020

Daily cases by specimen date, Woking, up to 6 November 2020



*people with a lab-confirmed positive test result

[†] cumulative number of cases

Source: [GOV.UK, COVID-19 in the UK](https://www.gov.uk/covid-19)

R number

R number, updated on 6 November 2020

What is R?

The average number of infections (secondary) produced by a single infected person.

An R of 1 means on average every person who is infected will infect 1 other person. If R is 2, on average each infected person infects 2 more people.

If R is over 1, the epidemic is growing. If R is under 1, the epidemic is shrinking.

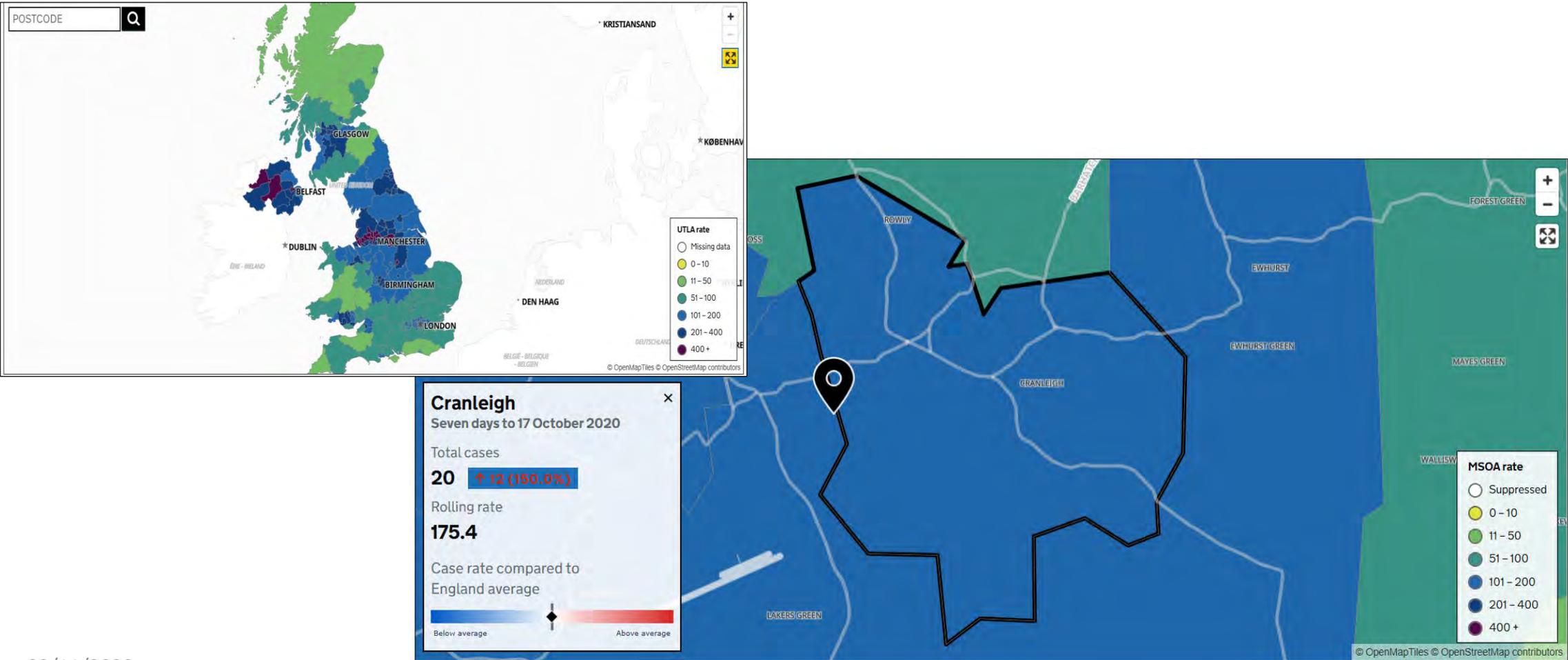
R is calculated at regional and national level.

England region	R
England	1.1-1.3
East of England	1.1-1.4
London	1.1-1.3
Midlands	1.1-1.3
North East and Yorkshire	1.1-1.2
North West	1.0-1.1
South East	1.2-1.4
South West	1.2-1.4

*Low case numbers and/ or a high degree of variability in transmission across the region means these estimates are insufficiently robust to inform policy decisions
 Source: [Government Office for Science, The R number and growth rate in the UK](#)

Cases data for specific areas within Surrey

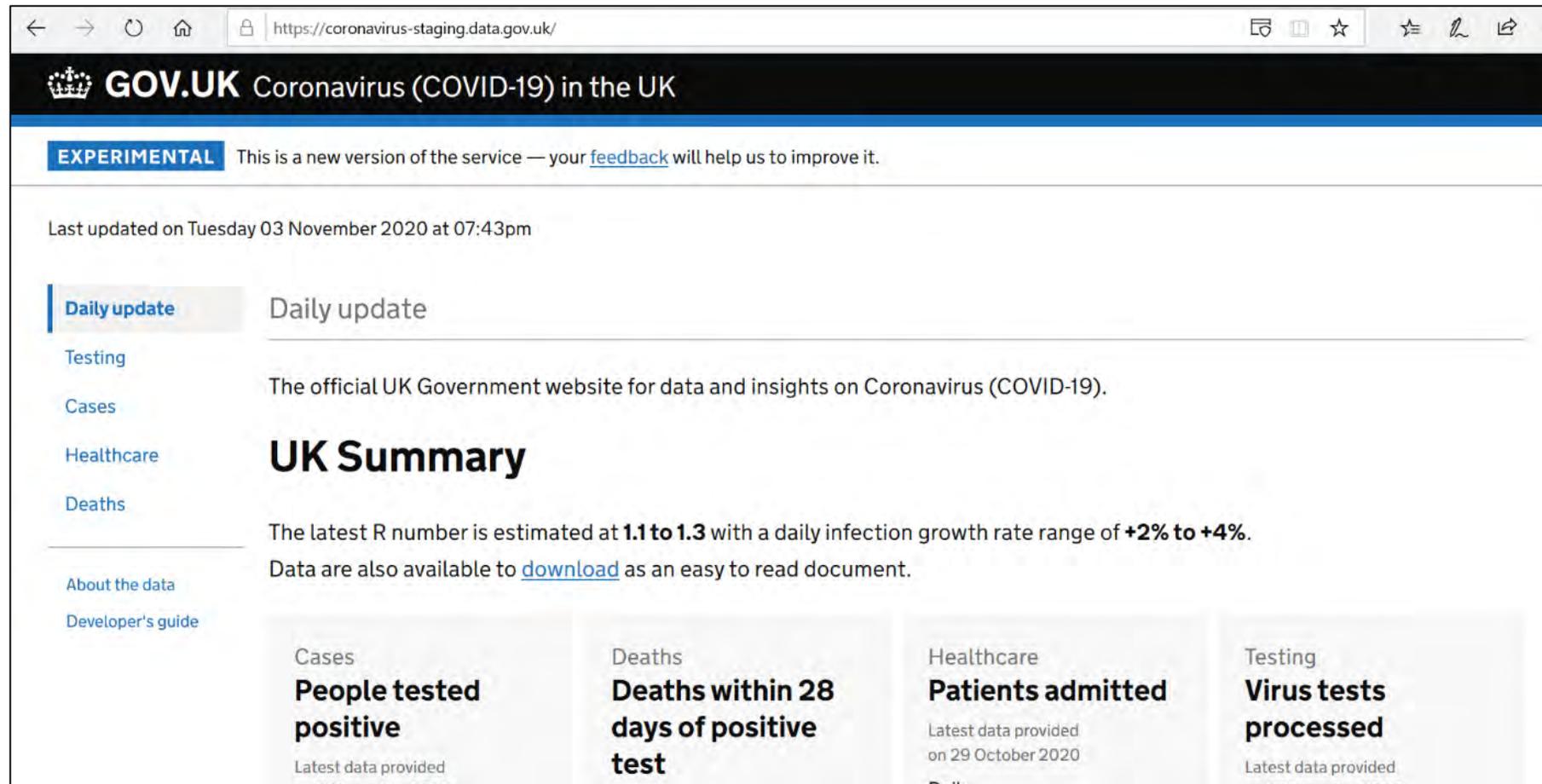
For data at a more detailed, granular level, please click the map below or follow the link [COVID-19 cases by Middle Super Output Area, England](#). This will give you the 7-day number of cases and 7-day rolling rate that applies to your area by entering your post code in the tool. Data is shown for Middle Layer Super Output Areas (MSOA).



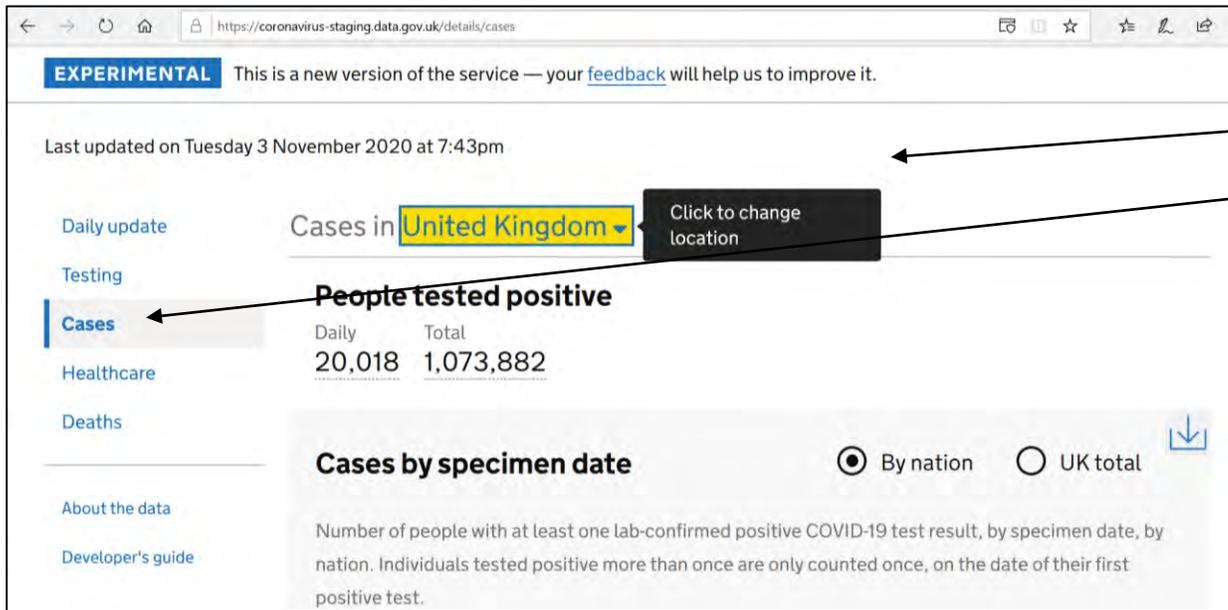
How to find the external data

For a detailed look at COVID cases including the number of people that have been tested and positive cases in Surrey and your local area, follow the below steps...

1. Head to the [COVID cases in the UK webpage](https://coronavirus-staging.data.gov.uk/) on the GOV.UK website.



The screenshot shows a web browser window displaying the GOV.UK Coronavirus (COVID-19) in the UK webpage. The URL in the address bar is <https://coronavirus-staging.data.gov.uk/>. The page features a dark blue header with the GOV.UK logo and the title "Coronavirus (COVID-19) in the UK". Below the header, there is a blue banner with the text "EXPERIMENTAL This is a new version of the service — your [feedback](#) will help us to improve it." The main content area is divided into a left sidebar and a main content area. The sidebar contains links for "Daily update", "Testing", "Cases", "Healthcare", "Deaths", "About the data", and "Developer's guide". The main content area displays the "Daily update" section, which includes the text "The official UK Government website for data and insights on Coronavirus (COVID-19)." and a "UK Summary" section. The "UK Summary" section states: "The latest R number is estimated at **1.1 to 1.3** with a daily infection growth rate range of **+2% to +4%**. Data are also available to [download](#) as an easy to read document." Below the summary, there are four data cards: "Cases: People tested positive", "Deaths: Deaths within 28 days of positive test", "Healthcare: Patients admitted", and "Testing: Virus tests processed". Each card includes a "Latest data provided" timestamp.



EXPERIMENTAL This is a new version of the service — your [feedback](#) will help us to improve it.

Last updated on Tuesday 3 November 2020 at 7:43pm

Daily update

Testing

Cases

Healthcare

Deaths

About the data

Developer's guide

Cases in **United Kingdom** Click to change location

People tested positive

Daily	Total
20,018	1,073,882

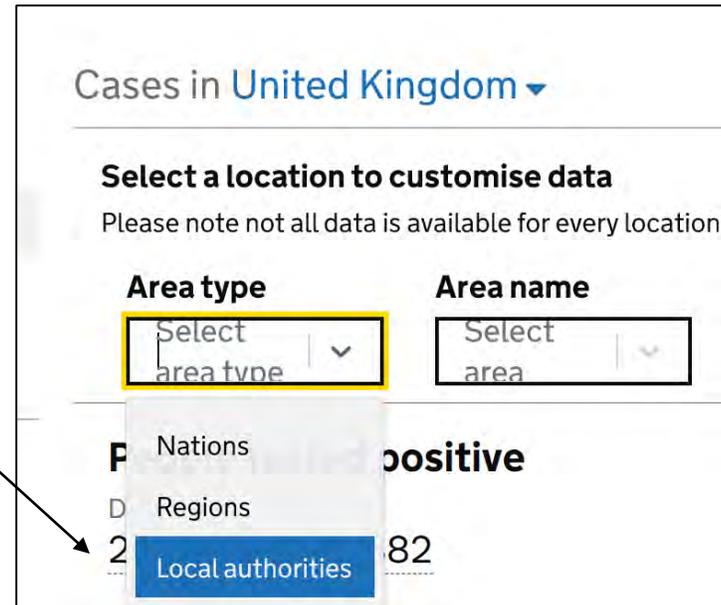
Cases by specimen date By nation UK total

Number of people with at least one lab-confirmed positive COVID-19 test result, by specimen date, by nation. Individuals tested positive more than once are only counted once, on the date of their first positive test.

2. When you reach the page, first click on 'Cases'. Then head to 'Cases in United Kingdom' and click on the drop down arrow.

4. Depending on which area's COVID data you'd like to see, start typing e.g. 'Surrey' or your local district or borough. When the area appears in the drop down box, click.

3. Click on the drop down box underneath 'Area type' and select 'Local authorities'.



Cases in **United Kingdom**

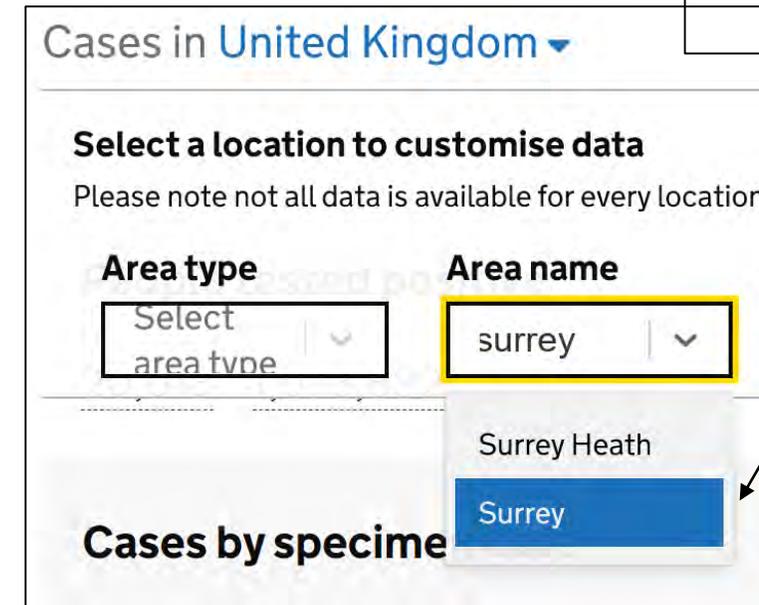
Select a location to customise data
Please note not all data is available for every location.

Area type **Area name**

Select area type

Local authorities **positive**

82



Cases in **United Kingdom**

Select a location to customise data
Please note not all data is available for every location.

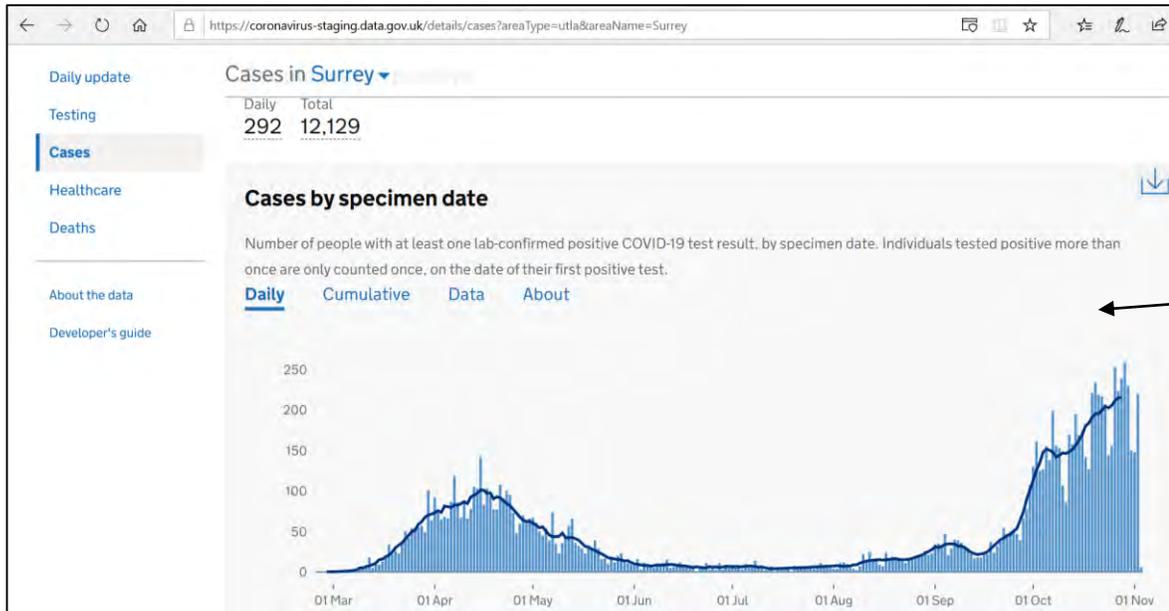
Area type **Area name**

Select area type

Surrey Heath

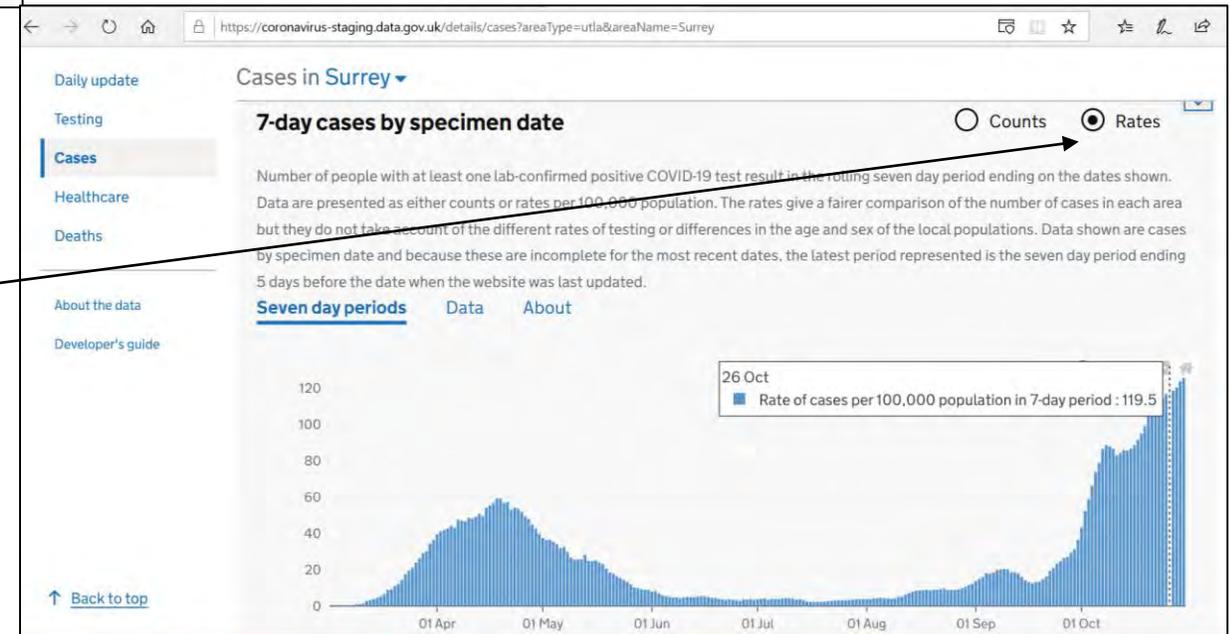
Surrey

Cases by specime

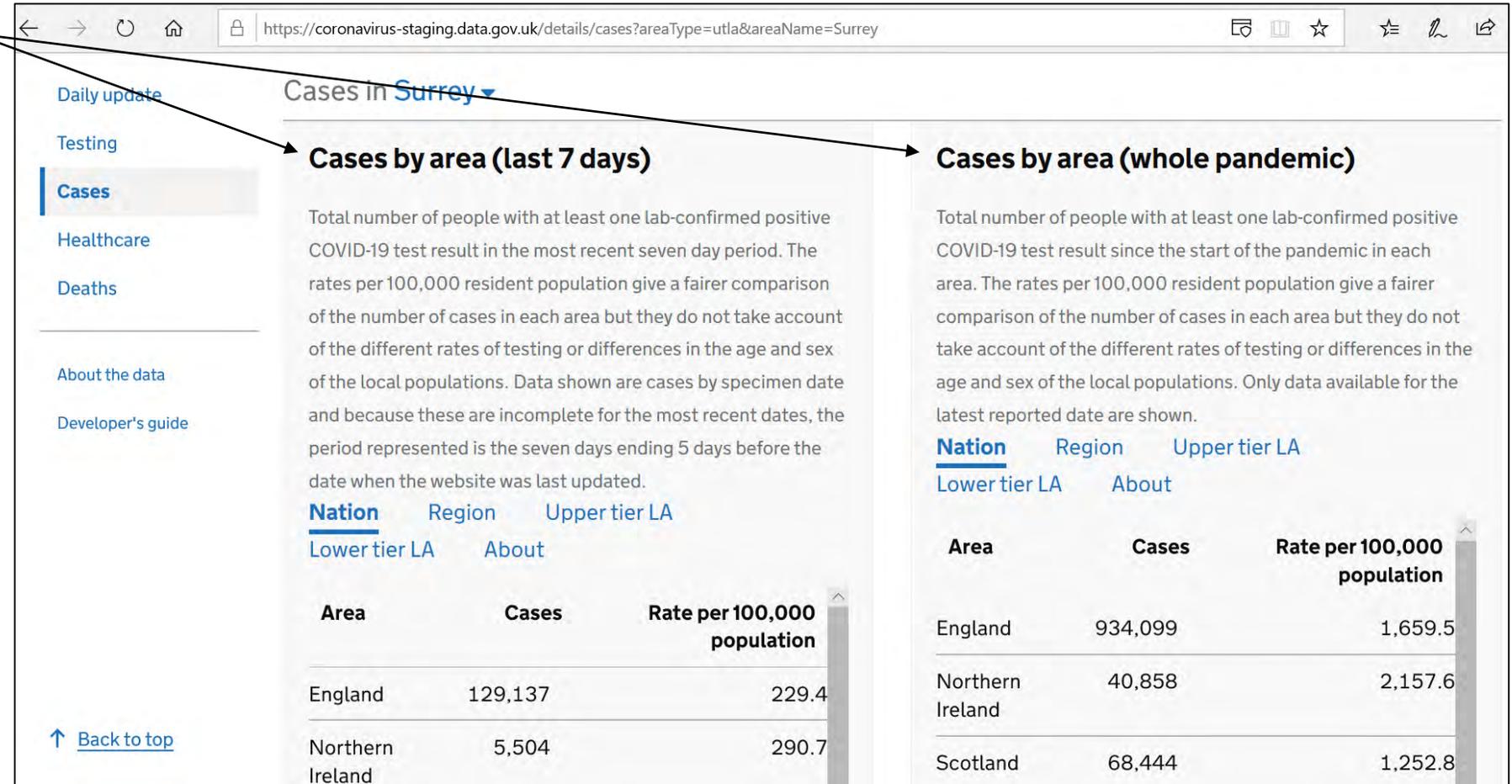


5. On this page you'll see the number of positive COVID cases in a 7-day period and 14-day period for the area selected.

6. If you scroll down to the second graph, click on 'Rates' and you'll see the rate of COVID cases per 100,000 population.



7. Scroll towards the bottom of the page and you'll find data for COVID cases by area (rate per 100,000 population) in the 'last 7 days' or since the start of the pandemic 'Whole pandemic'. You can view the data by nation (England, Northern Ireland), region (London, South East) or upper/ lower tier authority (based on the current local COVID alert level).



https://coronavirus-staging.data.gov.uk/details/cases?areaType=utla&areaName=Surrey

Cases in Surrey

Daily update
Testing
Cases
Healthcare
Deaths
About the data
Developer's guide

Cases by area (last 7 days)

Total number of people with at least one lab-confirmed positive COVID-19 test result in the most recent seven day period. The rates per 100,000 resident population give a fairer comparison of the number of cases in each area but they do not take account of the different rates of testing or differences in the age and sex of the local populations. Data shown are cases by specimen date and because these are incomplete for the most recent dates, the period represented is the seven days ending 5 days before the date when the website was last updated.

[Nation](#) [Region](#) [Upper tier LA](#)
[Lower tier LA](#) [About](#)

Area	Cases	Rate per 100,000 population
England	129,137	229.4
Northern Ireland	5,504	290.7

Cases by area (whole pandemic)

Total number of people with at least one lab-confirmed positive COVID-19 test result since the start of the pandemic in each area. The rates per 100,000 resident population give a fairer comparison of the number of cases in each area but they do not take account of the different rates of testing or differences in the age and sex of the local populations. Only data available for the latest reported date are shown.

[Nation](#) [Region](#) [Upper tier LA](#)
[Lower tier LA](#) [About](#)

Area	Cases	Rate per 100,000 population
England	934,099	1,659.5
Northern Ireland	40,858	2,157.6
Scotland	68,444	1,252.8

[Back to top](#)

How to find the external data on death

2. Head to the [COVID deaths in the UK webpage](#) on the GOV.UK website.

1. When you reach the page, first click on 'Deaths'. Then head to 'Deaths in United Kingdom' and click on the drop down arrow.

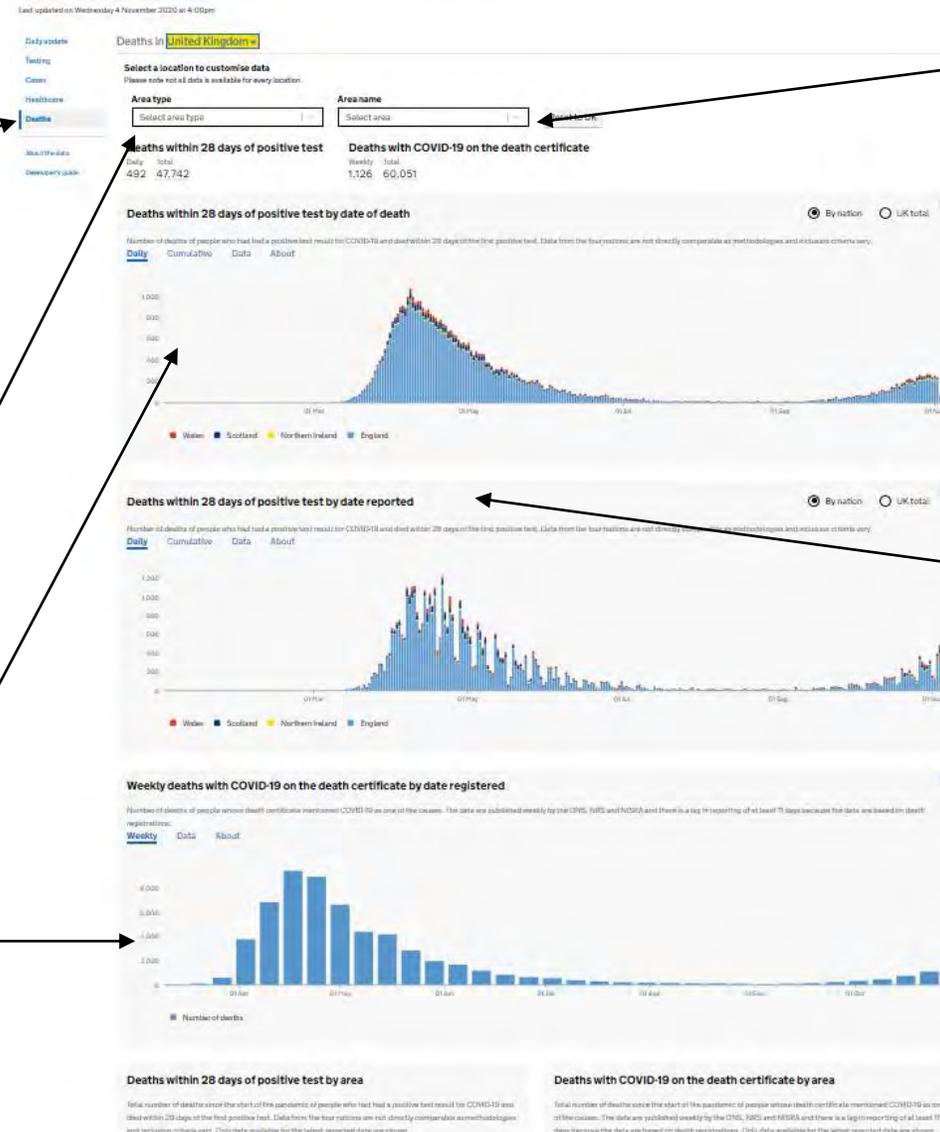
2. Click on the drop down box underneath 'Area type' and select 'Local authorities'.

4. On this page you'll see the number of 'Deaths within 28 days of positive test by date of death'.

6. This graph further below shows the 'Weekly deaths with COVID-19 on the deaths certificate by date registered'.

3. Depending on which area's COVID deaths data you'd like to see, start typing e.g. 'Surrey' or your local district or borough. When the area appears in the drop down box, click.

5. On this graph you'll see the number of 'Deaths within 28 days of positive test by date reported'.



Source: <https://coronavirus-staging.data.gov.uk/details/deaths>

7. Scroll towards the bottom of the page and you'll find data for COVID deaths by area numbers and rate per 100,000 population since the start of the pandemic 'Whole pandemic' for deaths within 28 days of positive test by area and deaths with COVID-19 on the death certificate by area. You can view the data by nation (England, Northern Ireland), region (London, South East) or upper/ lower tier authority (based on the current local COVID alert level).

Deaths within 28 days of positive test by area

Total number of deaths since the start of the pandemic of people who had had a positive test result for COVID-19 and died within 28 days of the first positive test. Data from the four nations are not directly comparable as methodologies and inclusion criteria vary. Only data available for the latest reported date are shown.

[Nation](#) [Region](#) [Upper tier LA](#) [Lower tier LA](#) [About](#)

Area	Deaths	Rate per 100,000 population
England	42,136	74.9
Northern Ireland	740	39.1
Scotland	2,927	53.6
Wales	1,939	61.5

Deaths with COVID-19 on the death certificate by area

Total number of deaths since the start of the pandemic of people whose death certificate mentioned COVID-19 as one of the causes. The data are published weekly by the ONS, NRS and NISRA and there is a lag in reporting of at least 11 days because the data are based on death registrations. Only data available for the latest reported date are shown.

[Nation](#) [Region](#) [About](#)

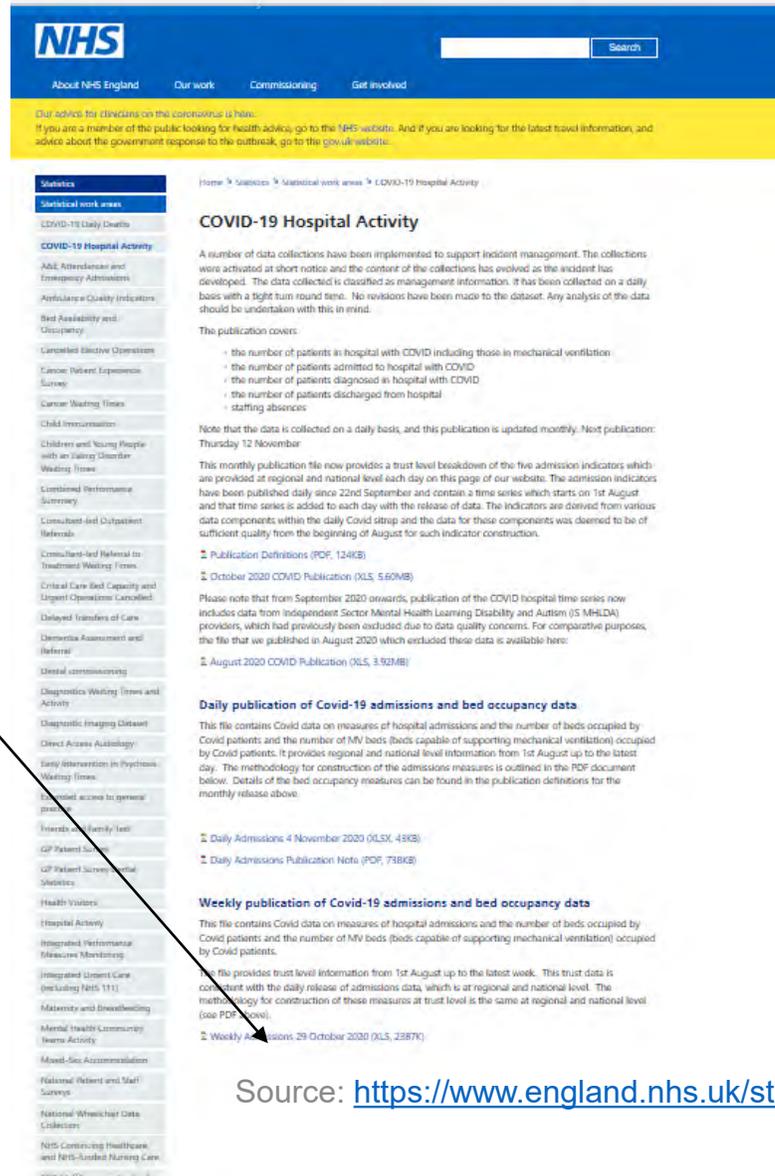
Area	Deaths	Rate per 100,000 population
England	51,844	92.1
Northern Ireland	972	51.3
Scotland	4,482	82
Wales	2,753	87.3

How to find the external data on hospital activity

3. Head to the [COVID hospital activity in the NHS webpage](https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/) on the NHS.UK website

Scroll towards the bottom of the page and you'll find a spreadsheet with weekly hospital admissions data for the number of patients admitted in previous 24 hours where patient known to have COVID-19 plus patients diagnosed in hospital with COVID-19 in previous 24 hours.

You can view the data by nation (England), region (London, South East) or specific hospitals of your interest.



The screenshot shows the NHS website's 'COVID-19 Hospital Activity' page. The page has a blue header with the NHS logo and navigation links. Below the header is a yellow banner with text about COVID-19 statistics. The main content area is titled 'COVID-19 Hospital Activity' and contains a list of data collection areas on the left and a main text area on the right. The left sidebar lists various statistical work areas, with 'COVID-19 Hospital Activity' highlighted. The main text area provides an overview of the data collections, including a list of indicators: number of patients in hospital with COVID including those in mechanical ventilation, number of patients admitted to hospital with COVID, number of patients diagnosed in hospital with COVID, number of patients discharged from hospital, and staffing absences. It also includes a note about the data collection frequency and a list of publications, including 'October 2020 COVID Publication (XLS, 5.60MB)' and 'August 2020 COVID Publication (XLS, 3.92MB)'. There are also links to 'Daily Admissions 4 November 2020 (XLSX, 49KB)' and 'Daily Admissions Publication Note (PDF, 736KB)'. At the bottom, there is a section for 'Weekly publication of Covid-19 admissions and bed occupancy data' with a link to 'Weekly Admissions 29 October 2020 (XLS, 2387K)'.

Source: <https://www.england.nhs.uk/statistics/statistical-work-areas/covid-19-hospital-activity/>

Data sources

Data sources

- Public Health England: [National COVID-19 surveillance reports](#), including weekly summary of findings monitored through various COVID-19 surveillance systems.
- GOV.UK: [COVID-19 in the UK](#), data dashboard with sub-national data including people tested, positive cases and deaths at national, regional and local authority level. This includes the ability to view epidemic curves and 7-day averages as well as the ability to look at positive cases as a proportion of all tests.
- GOV.UK: [COVID deaths in the UK](#), data dashboard with number of deaths at national, regional and local authority level.
- Government Office for Science: [The R number and growth rate in the UK](#), the latest reproduction number (R) and growth rate of coronavirus (COVID-19) in the UK.
- [COVID-19 cases by Middle Super Output Area](#), England. The map shows number of positive cases in a week by Middle Layer Super Output Areas (MSOA). MSOAs are a standard statistical geography of approximately 7,200 people. Some MSOAs have the same name as local electoral wards and figures within this map should not be compared with ward data you may see published elsewhere.
- NHS England: [COVID hospital activity in the NHS webpage](#), weekly hospital admissions data for the number of patients admitted in previous 24 hours where patient known to have COVID-19 plus patients diagnosed in hospital with COVID-19 in previous 24 hours.

For further enquires please contact:
covidteam@surreycc.gov.uk