

Weekly COVID-19 Surveillance Report in Derby

Cumulative data from 06/03/2020 - 14/11/2020



Derby City Council

This report summarises the information from the national surveillance system which is used to monitor the cases of the Coronavirus Disease 2019 (COVID-19) pandemic in Derby.

COVID-19 cases are identified by taking specimens from people and sending these specimens to laboratories around the UK to be tested. If the test is positive, this is referred to as a lab-confirmed case.

Data includes lab confirmed positive cases of COVID-19 from pillar 1 (NHS hospital and PHE laboratories) and pillar 2 (commercial partner laboratories) of the Government's testing programme. All data is updated each week therefore the numbers presented for one week in this report may differ for the same week in a future update. Depending on frequency of reporting, the data in this local report may also differ from national publications. This report is based on daily data up to 14 November 2020.

On 15th November Public Health England updated the way it records the location of people who test positive or negative for COVID-19. It now prioritises addresses given at the point of testing over the details registered on a patient's NHS Summary Care Record, which to date has been used as the primary address. This better reflects the distribution of cases and testing, particularly in student populations. Changes have been retrospectively adjusted back to 1st September.

The maps presented in this report examine counts and rates of COVID-19 at Middle Super Output Area (MSOA). MSOAs are a census based geography used in the reporting of small area statistics in England and Wales. The minimum population is 5,000 and the average is 7,200. They contain a minimum of 2,000 households.

When looking at the data we can see that there is a significant rise in cases in the City which follows the national picture.

There are lots of factors that can contribute to the number of cases in an area including demographic differences, the number of care homes and social and economic factors, as well as take-up of COVID-19 testing. We are continuing to work with our regional PHE team to closely monitor the rates of infection across the city, and are taking action as needed.

Disclosure control rules have been applied to all figures not currently in the public domain. Counts of less than 3 have been suppressed.

Data has been sourced from Public Health England. This report has been compiled by the Public Health Intelligence Team, Derby City Council.

Summary Statistics

COVID-19 cases | **Cumulative data** from 06/03/2020 - 14/11/2020:

6,652 cases

A rate of **2,585.29** per 100,000 population

COVID-19 cases | **Weekly data** from 08/11/2020 - 14/11/2020:

1,069 cases

A rate of **415.46** per 100,000 population



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Breakdown of testing by Pillars of the UK Government COVID-19 testing programme

Pillar 1 + 2

combined data from both Pillar 1 and Pillar 2 of the UK Government's COVID-19 testing programme

Pillar 1

data from swab testing in PHE labs and NHS hospitals for those with a clinical need, and health and care workers

Pillar 2

data from swab testing for the wider population, as set out in government guidance

COVID-19 cases | Cumulative data from 06/03/2020 - 14/11/2020:

6,652 cases

1,090 Pillar 1 cases

5,562 Pillar 2 cases

COVID-19 cases | Weekly data from 08/11/2020 - 14/11/2020:

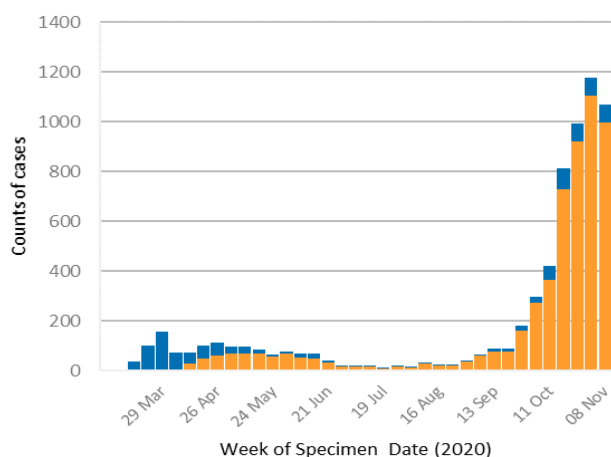
1,069 cases

70 Pillar 1 case

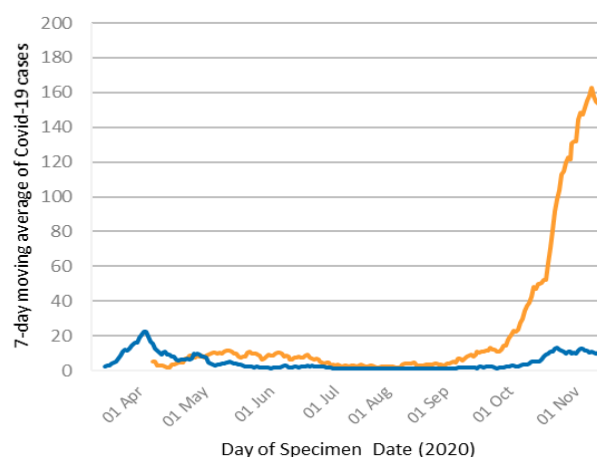
999 Pillar 2 cases

Latest weekly data can be subject to change as a result of time delays in receiving positive test results at time of publication.

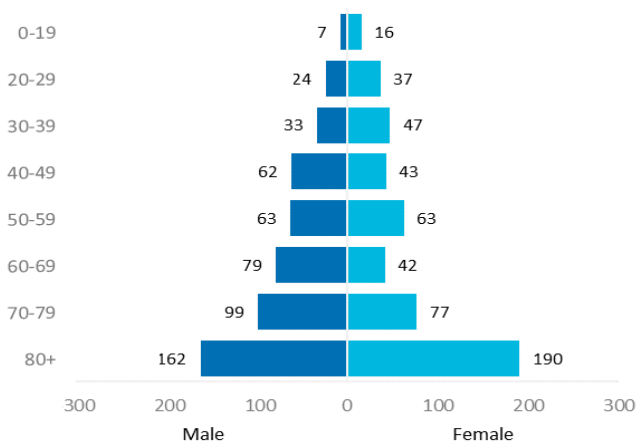
Cases per week (Sunday to Saturday)



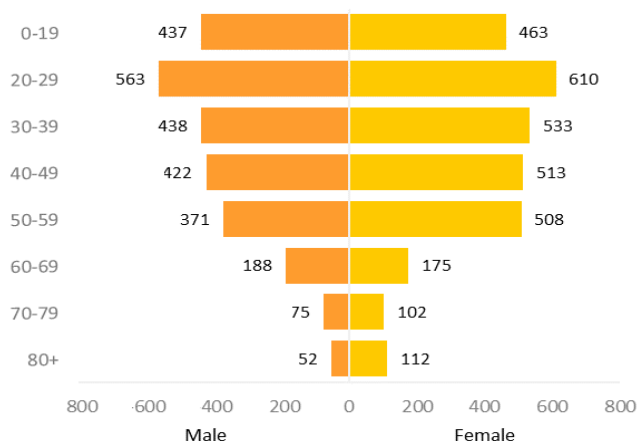
Moving average of cases per day



Population pyramid of Pillar 1 cases



Population pyramid of Pillar 2 cases



69 years median age*

37 years median age*

* median age is the middle value in a range - half of the cases are younger than this age and half are older

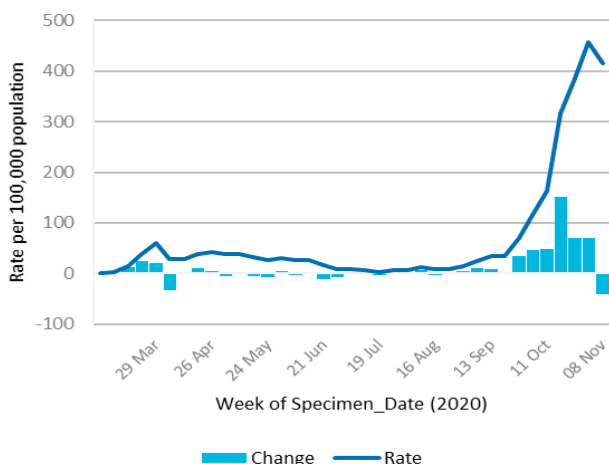


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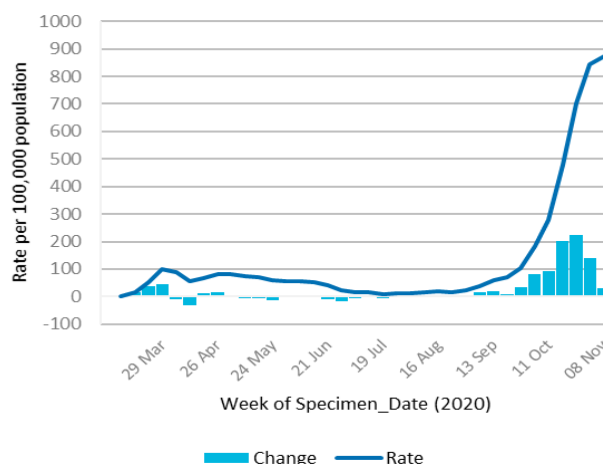
Cumulative data from 06/03/2020 - 14/11/2020

Breakdown of testing by Pillars of the UK Government COVID-19 testing programme

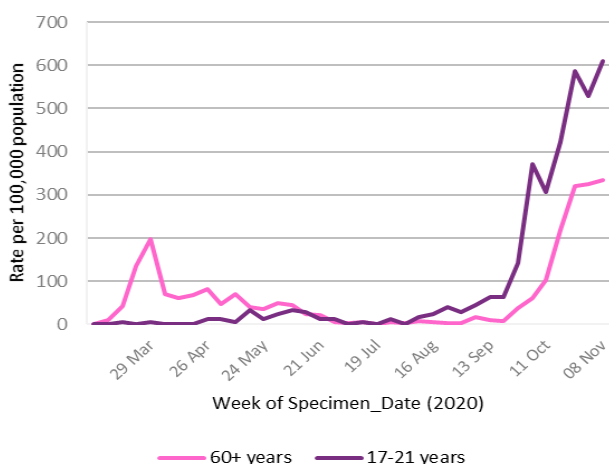
Weekly incidence* of total cases and absolute change



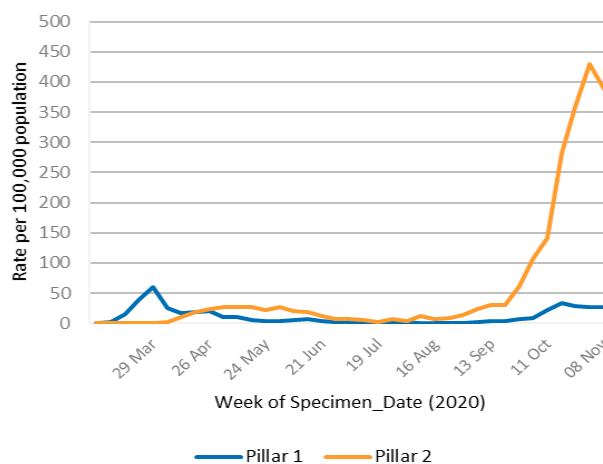
Fortnightly incidence* of total cases and absolute change



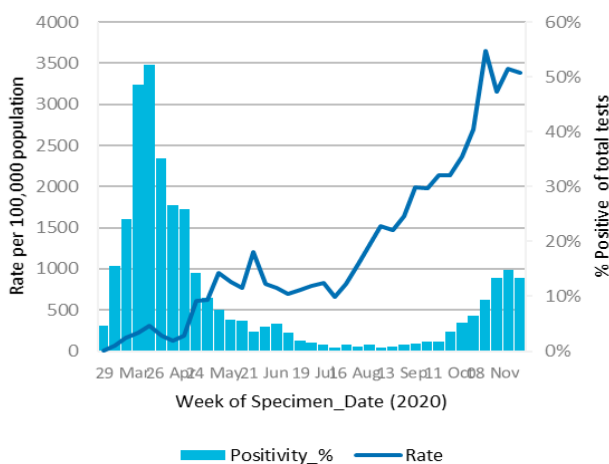
Weekly incidence* of cases in key age groups



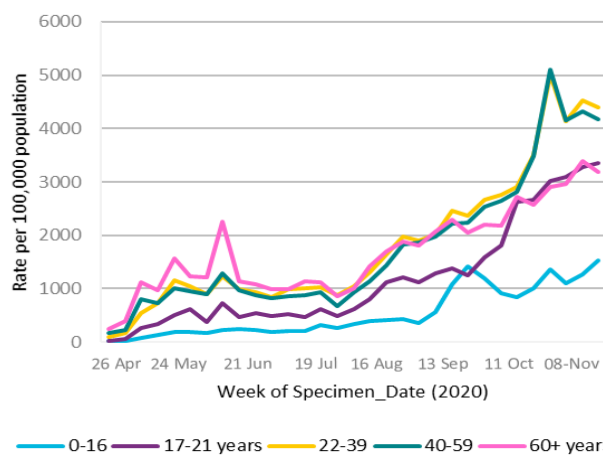
Weekly incidence* of cases by Pillar



Weekly incidence* of testing and positivity*



Weekly incidence* of testing by age band



* incidence refers to the rate of occurrence of new disease each week.

* positivity refers to the proportion of positive cases found in testing.



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Pillar 1

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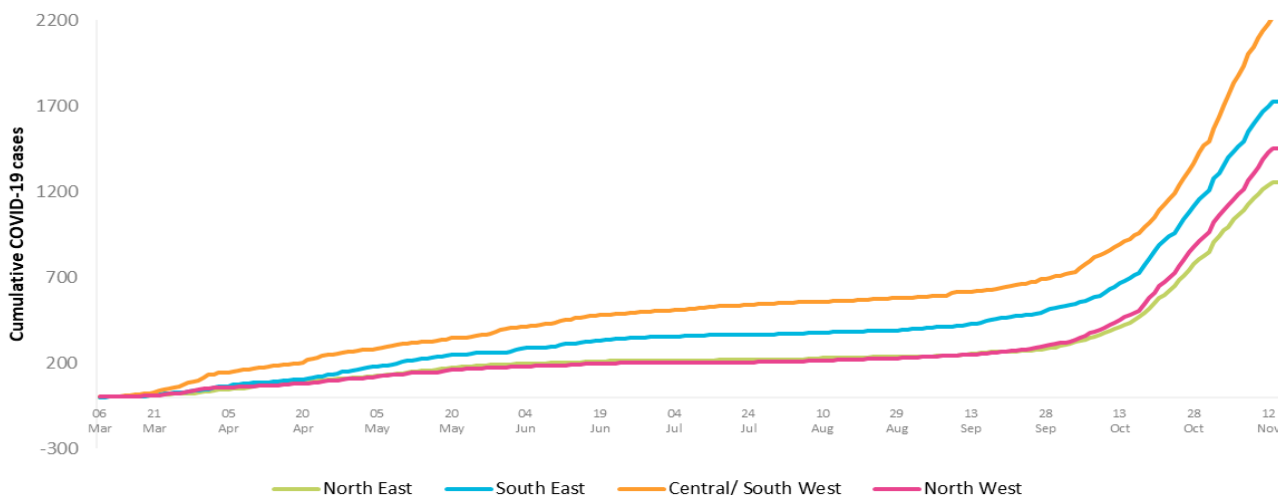
Pillar 2

data from swab testing for the wider population, as set out in government guidance

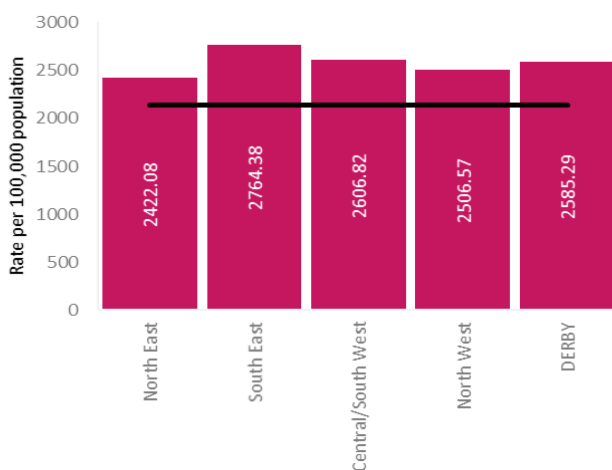
COVID-19 cases | Cumulative data from 06/03/2020 - 14/11/2020:

North East	1,255 cases	206 Pillar 1 cases	1,049 Pillar 2 cases
South East	1,725 cases	274 Pillar 1 cases	1,451 Pillar 2 cases
Central/South West	2,222 cases	422 Pillar 1 cases	1,800 Pillar 2 cases
North West	1,450 cases	188 Pillar 1 cases	1,262 Pillar 2 cases

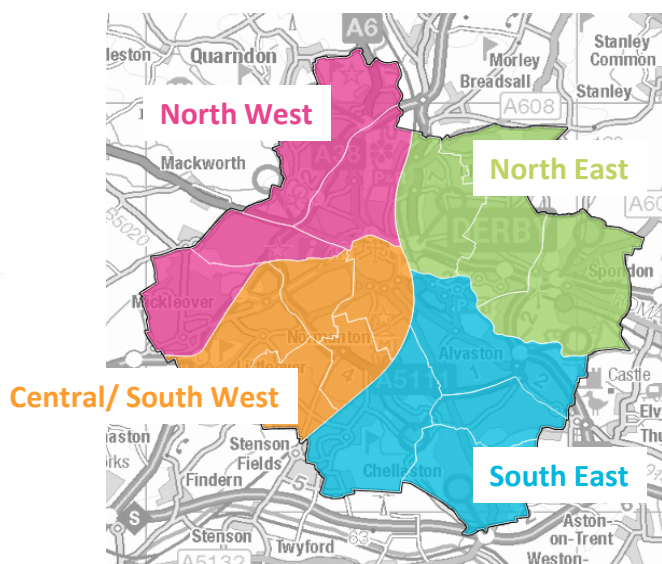
Cumulative cases per locality



Rate of cumulative cases per 100,000 population by districts



vs. England
 Significantly higher
 Similar
 Significantly lower





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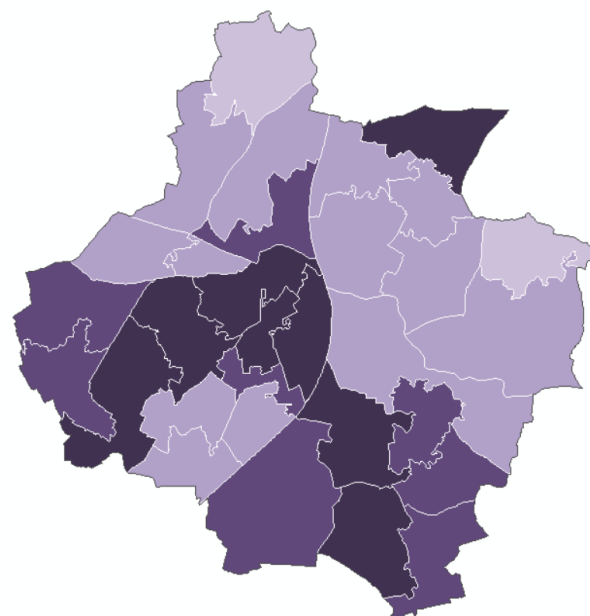
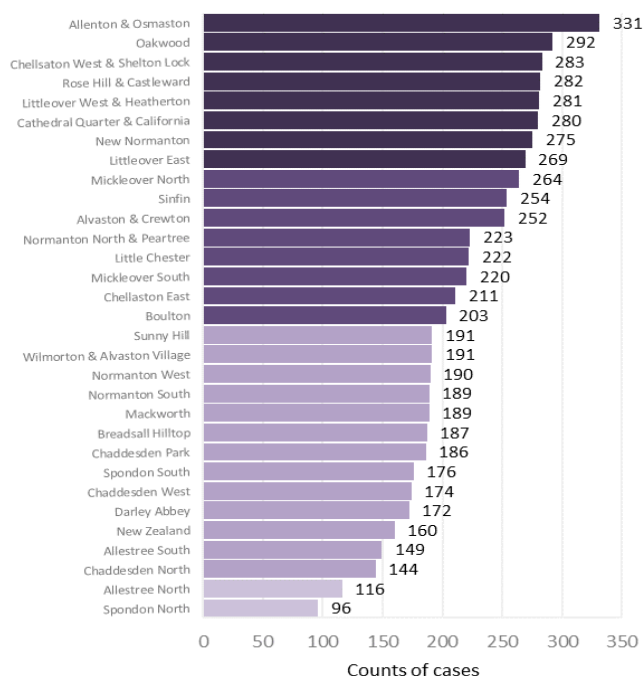
Breakdown of testing by Pillars of the UK Government COVID-19 testing programme

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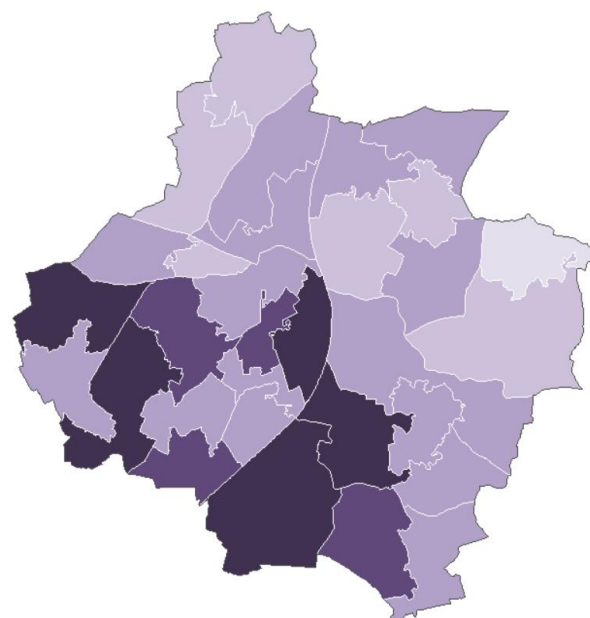
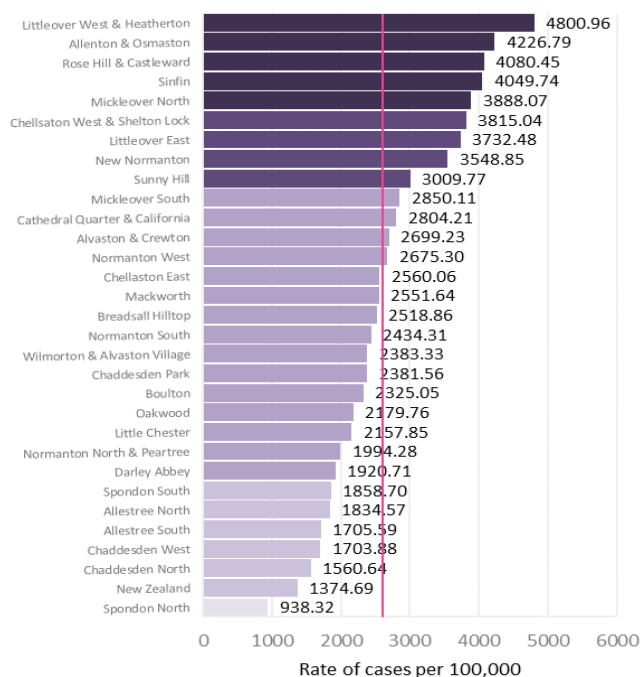
1,090 Pillar 1 cases

5,562 Pillar 2 cases

Confirmed COVID-19 cases by MSOA



Confirmed COVID-19 rates per 100,000 population by MSOA



— Derby Average



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Weekly data from 08/11/2020 - 14/11/2020

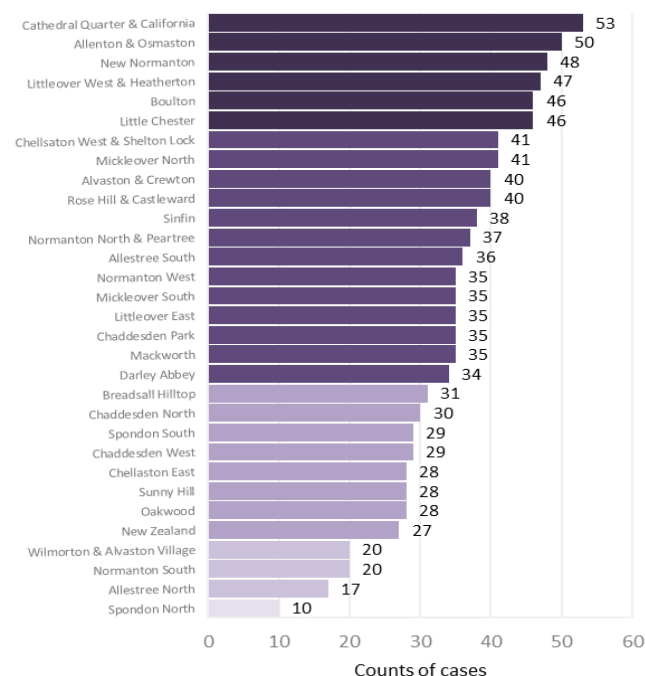
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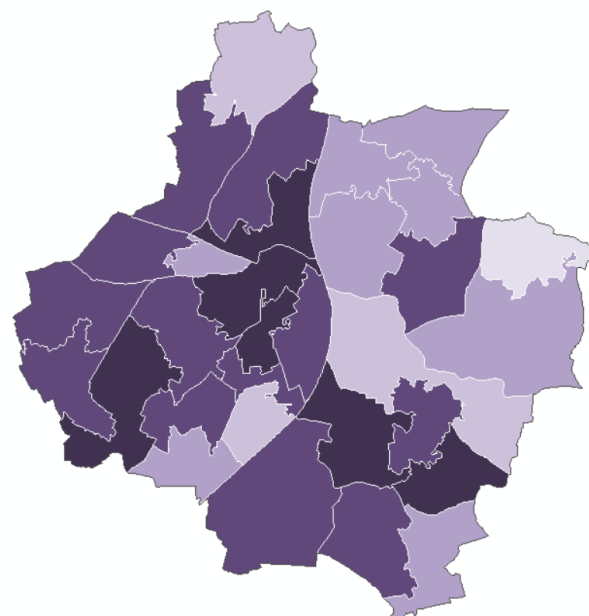
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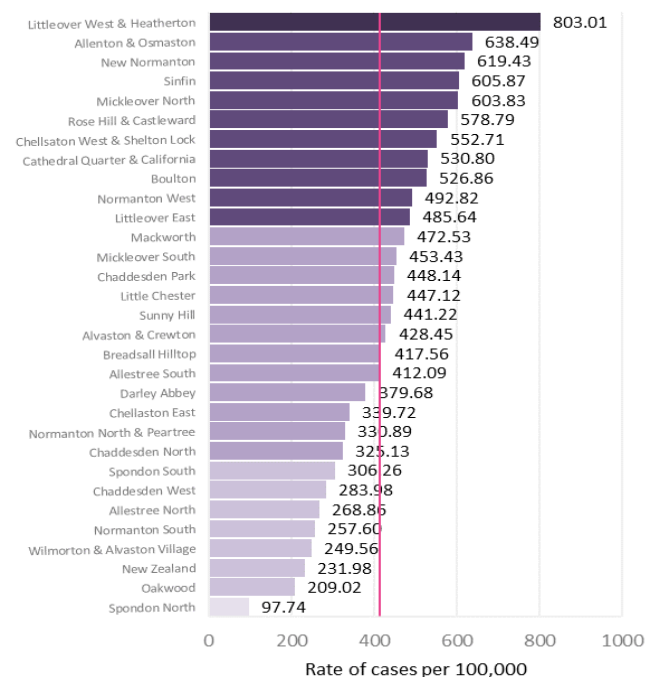
Confirmed COVID-19 cases by MSOA



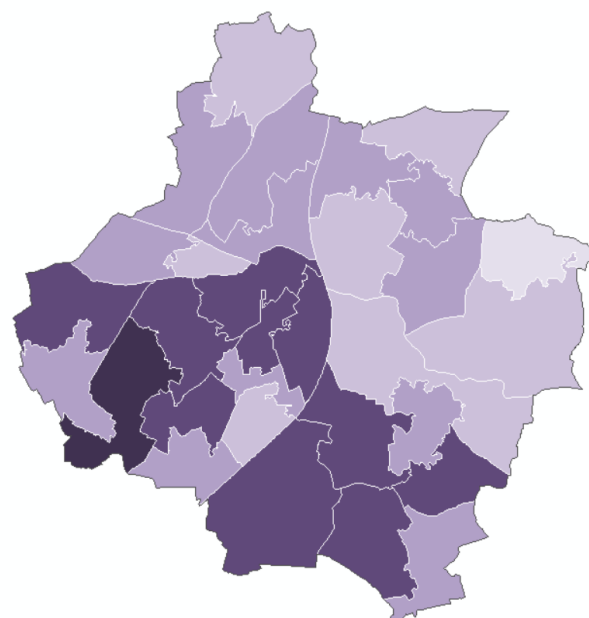
Case counts of less than 3 in an MSOA have been excluded.



Confirmed COVID-19 rates per 100,000 population by MSOA



Derby Average



In every MSOA in Derby there were 3 or more confirmed cases in this latest week.