

# COVID-19: Data Update for Leicestershire

Week 40

13<sup>th</sup> October 2020

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Produced by the Strategic Business Intelligence Team at Leicestershire County Council.

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# What have we learnt from the newly released Covid-19 data?

A series of publicly available dashboards examining Covid-19 cases, deaths involving Covid-19 and a district summary are available at the below links. A summary narrative to support the data in these dashboards then follows.

- [Deaths involving Covid-19](#)
- [Covid-19 summary at district level](#)
- [PHE Weekly Covid-19 Cases](#)

## 1. One death<sup>1</sup> involving Covid-19 was recorded in Leicestershire in the last week, a decrease from five deaths in Week 39.

- As of week 40 2020 (up to 2<sup>nd</sup> October), there have been a total of 548 deaths in Leicestershire. The number of weekly counts of deaths has decreased from five deaths in week 39 to one death in week 40.
- Of all deaths involving Covid-19 in Leicestershire, 339 (61.9%) were in hospital and 171 (31.2%) were in a care home.
- In week 40, there was one death in a hospital in the past week, this occurred in Charnwood.

**Deaths (numbers) by local authority and place of death, for deaths that occurred up to 2<sup>nd</sup> October but were registered up to 10<sup>th</sup> October.**

	Care Home		Elsewhere		Home		Hospice		Hospital		Total				Population
	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	Count	Rate	LCI	UCI	
Blaby	21	20.9	1	1.0	4	4.0	1	1.0	58	57.8	85	84.6	67.6	104.7	100421
Charnwood	40	21.9	1	0.5	3	1.6	4	2.2	79	43.3	127	69.5	58.0	82.7	182643
Harborough	21	22.7	0	0.0	4	4.3	1	1.1	37	40.0	63	68.1	52.3	87.1	92499
H&B	41	36.5	0	0.0	4	3.6	5	4.4	58	51.6	108	96.1	78.8	116.0	112423
Melton	17	33.3	0	0.0	2	3.9	0	0.0	15	29.4	34	66.5	46.1	93.0	51100
NWLeics	15	14.7	0	0.0	5	4.9	1	1.0	46	45.0	67	65.6	50.8	83.3	102126
O&W	16	28.0	2	3.5	0	0.0	0	0.0	46	80.6	64	112.2	86.4	143.2	57056
Leicestershire	171	24.5	4	0.6	22	3.2	12	1.7	339	48.5	548	78.5	72.0	85.3	698268
Rutland	8	20.2	0	0.0	3	7.6	2	5.0	11	27.7	24	60.5	38.7	90.0	39697
Leicester City	76	21.4	13	3.7	20	5.6	2	0.6	223	62.8	334	94.0	84.2	104.7	355218
LLR	255	23.3	17	1.6	45	4.1	16	1.5	573	52.4	906	82.9	77.6	88.5	1093183

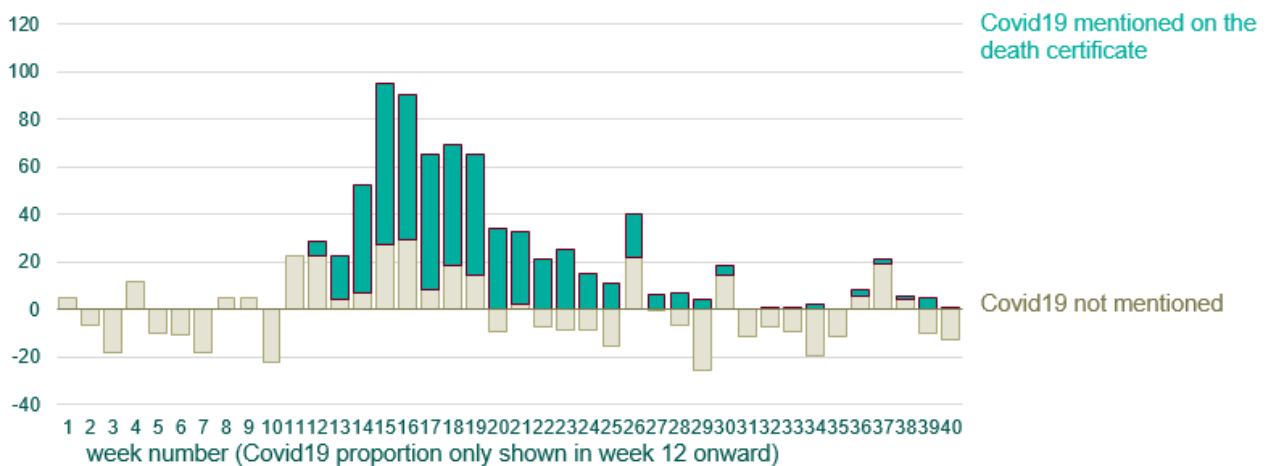
<sup>1</sup> Death counts are based on death occurrences. The death is counted as involving Covid-19 if Covid-19 was mentioned on the death certificate. Please note, Covid-19 may not have been confirmed by a test. Source: [Office for National Statistics](#) (2019)

## 2. No excess deaths were recorded in the last week in Leicestershire

- Counts of excess deaths in Leicestershire have shown a declining trend (albeit with a small blip in week 30, week 36 and week 37), there was a decrease in deaths seen in week 40 compared to the previous week. The latest figures from ONS show that 100 deaths occurred in Leicestershire up to week 40 of 2020. There have been no excess deaths reported in the last week.
- The latest weeks data shows there was one death that mentioned Covid-19 on the death certificate in week 40.

Weekly provisional figures on deaths occurring, minus the weekly average (2015 to 2019) plus death counts where coronavirus (COVID-19) was mentioned on the death certificate

Leicestershire



Covid-19 - Weekly occurrences

Based on a chart by David Spiegelhalter

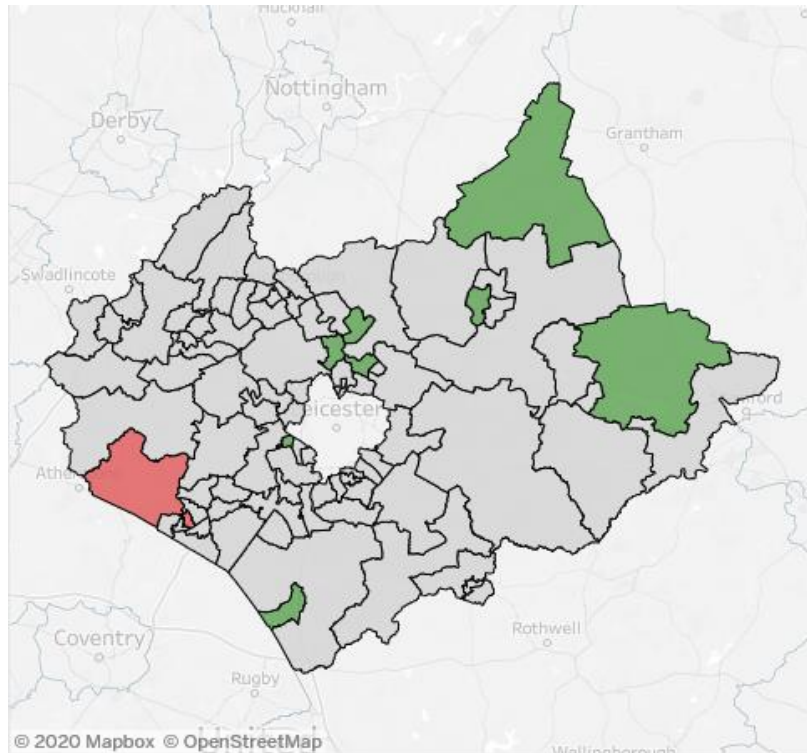
<https://www.ons.gov.uk/peoplepopulationandcommunity/birthsdeathsandmarriages/deaths/datasets/weeklyprovisionalfiguresondeathsregisteredinenlandandwales>

## 3. Two areas in Hinckley and Bosworth have a significantly higher percentage of deaths involving Covid-19 than the national percentage

- The map below examines the statistical significance compared to England, of the percentage of deaths involving Covid-19 by Middle Layer Super Output Area (MSOA) in Leicestershire and Rutland. These deaths occurred between 1<sup>st</sup> March and 31<sup>st</sup> July 2020 and were registered by 15<sup>th</sup> August 2020.
- Stoke Golding, Higham and Fenny Drayton in Hinckley and Bosworth recorded 16 deaths involving Covid-19 in this time period, this represented 38.1% of all deaths. Hinckley Central, also in Hinckley and Bosworth recorded 20 deaths involving Covid-19 and represented 32.3% of all deaths. Nationally, deaths involving Covid-19 made up under a quarter (20.2%) of all deaths.
- Seven MSOAs in Leicestershire have a significantly lower percentage of deaths involving Covid-19 compared to England. These are:
  - Bottesford, Harby& Croxton Kerrial in Melton (4, 8.5%)
  - Lutterworth in Harborough (4, 7.8%)
  - Mountsorrel & Rothley in Charnwood (3, 7.1%)
  - Sileby in Charnwood (1, 3.6%)

- Syston West in Charnwood (1, 3.4%)
- Leicester Forest East in Blaby (1, 3.3%)
- Melton Mowbray West in Melton (1, 2.4%)
- Further data examining deaths involving Covid-19 by local area is available in the dashboard available at [this link](#).

**Statistical Significance compared to England of the deaths involving Covid-19 by Middle Layer Super Output Area, Leicestershire and Rutland, deaths occurring between 1<sup>st</sup> March 2020 and 31<sup>st</sup> July 2020**

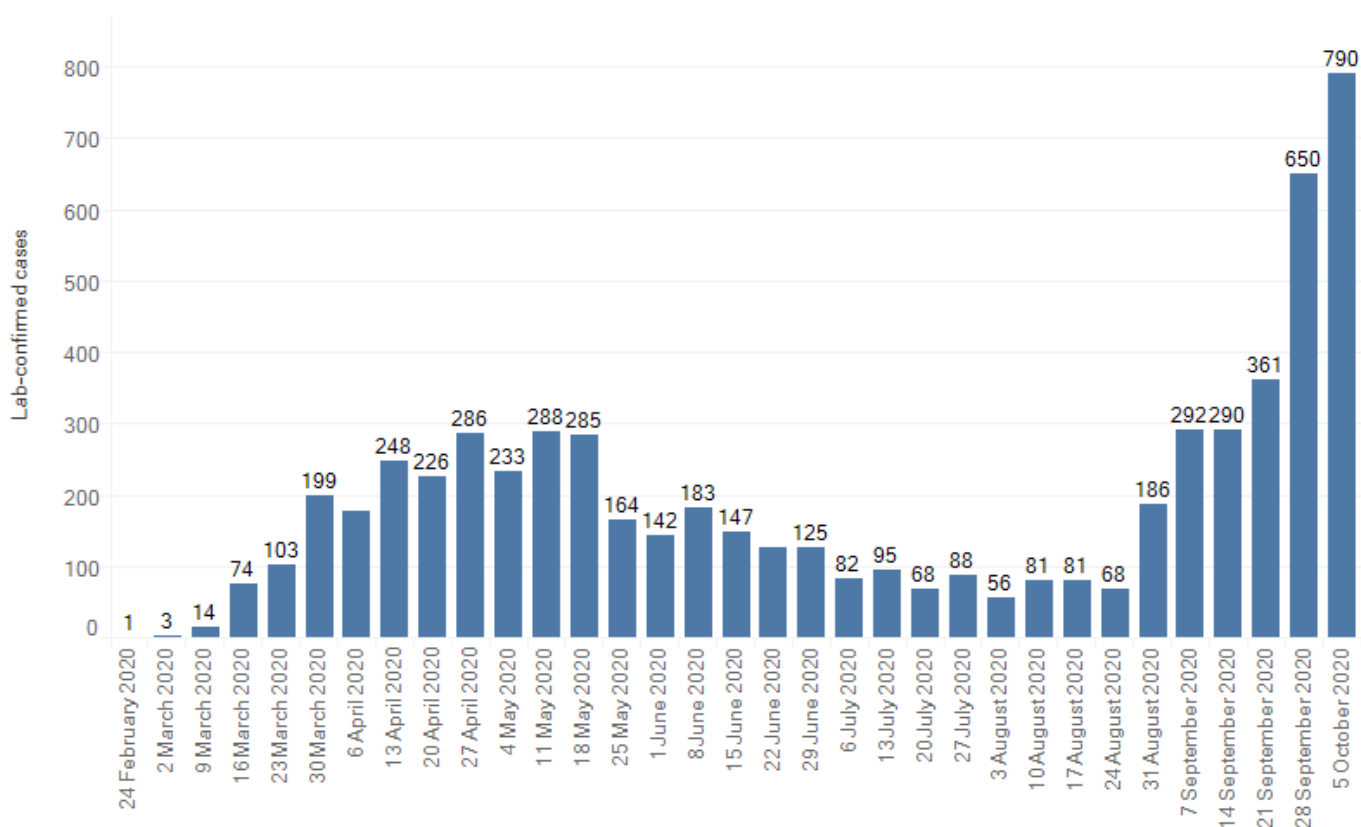


Statistical Significance compared to England  
□ Not significantly different    □ Significantly higher    □ Significantly lower

## 4. Weekly counts of cases<sup>2</sup> have increased in the past week in Leicestershire

NOTE: The methodology for reporting positive cases changed on 2<sup>nd</sup> July 2020 to remove duplicates within and across pillars 1 and 2, to ensure that a person who tests positive is only counted once. Due to this change, all historic data has now been revised. Numbers of lab-confirmed positive cases now include those identified by testing in all settings (pillars 1 and 2)

- As of 12th October, Leicestershire has recorded a total of 6,214 lab-confirmed cases of Covid-19. This data relates to pillar 1 and 2 cases.
- The weekly aggregation of daily cases in Leicestershire shows the counts of cases showed an increasing trend throughout March and April. A peak in weekly counts was witnessed between the end of April and middle of May. Counts of cases had been showing a decreasing trend since the middle of May towards the beginning of August. An increase in the counts of cases has been witnessed from the end of August and throughout September.
- The latest weekly data shows 790 cases have been confirmed in Leicestershire in the last week. This count has increased compared to the previous week where 650 cases were confirmed.

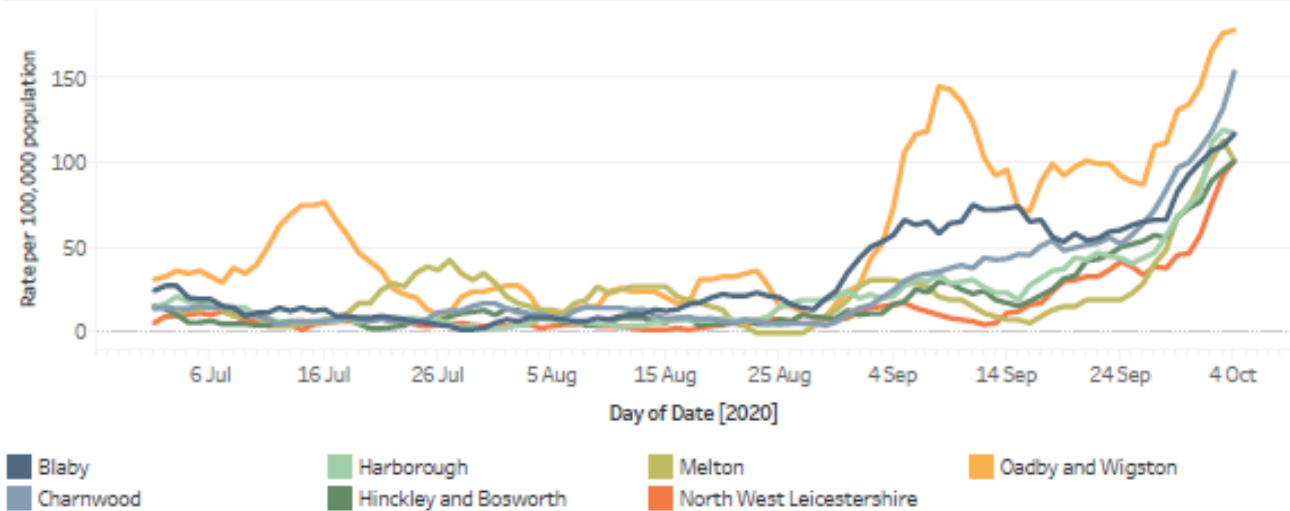


<sup>2</sup> Source: [Total number of lab-confirmed UK cases of Covid-19, Public Health England](#)

## 5. Oadby & Wigston and Charnwood have the highest weekly incidence rates of Covid-19 cases in the county

- The incidence rate for Covid-19 cases in Leicestershire has been increasing since mid September. Although the rate for Leicestershire (126.2 per 100,000 population) remains below the national rate of 150.1 (per 100,000 population) as of 4<sup>th</sup> October, it should be noted that the national rate has also continued to increase.
- There have been five peaks in the incidence rate for Covid-19 in Oadby and Wigston, one around mid-July, three smaller ones through August and one in mid-September. Charnwood district has witnessed one peak in the incidence rate for Covid-19 around mid-September.
- The latest weekly incidence rate (as of 4<sup>th</sup> October) shows that Oadby & Wigston (178.8 per 100,000 population) and Charnwood (154.4 per 100,000 population) has a rate higher than the national average (150.1 per 100,000). This equates to 102 and 282 confirmed cases in the last week for each of these districts.

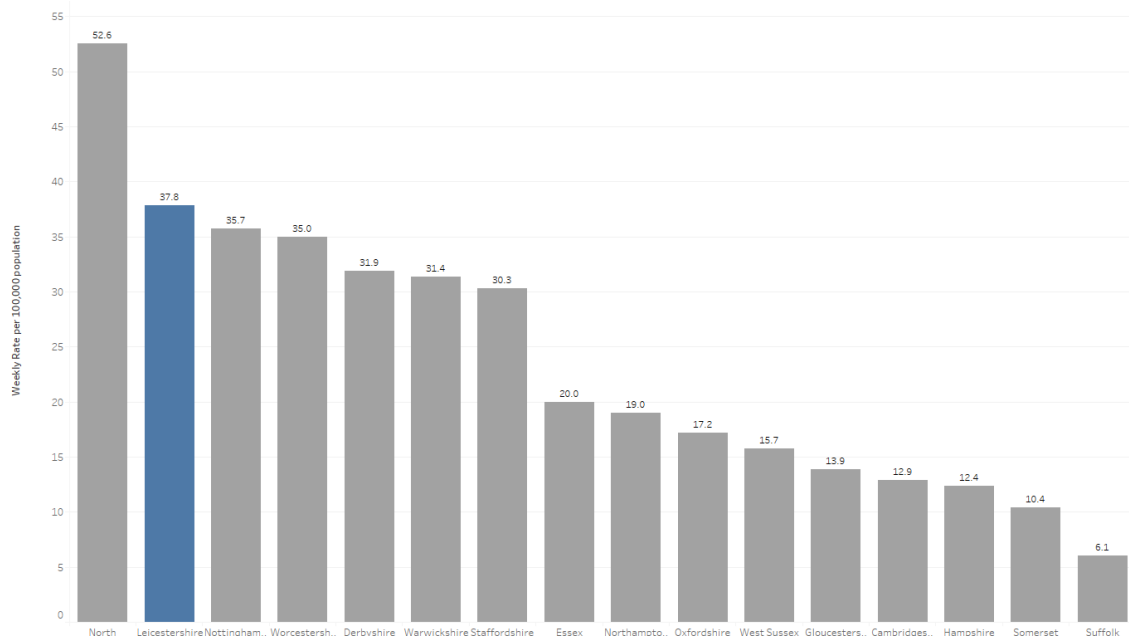
Trend of Incidence per 100,000 population by district (weekly)



## 6. Leicestershire has the 2<sup>nd</sup> highest weekly rate of Covid-19 cases out of its CIPFA similar areas

Public Health England weekly Covid-19 rates have not been updated for week 40, the following narrative relates to week 39.

- There has been an increase in the weekly rate of Covid-19 cases in Leicestershire from 32.7 (per 100,000 population) in week 38 to 37.8 (per 100,000 population) in week 39. As of week 39 (21<sup>st</sup> September-27<sup>th</sup> September), Leicestershire is ranked 70<sup>th</sup> (highest) out of 149 upper tier local authorities and ranked the 2<sup>nd</sup> highest out of its CIPFA similar areas after North Yorkshire.
- The cumulative rate of Covid-19 cases in Leicestershire has increased from 623.8 (per 100,000 population) in week 38 to 669.4 (per 100,000 population) in week 39. As of week 39, Leicestershire is ranked 59<sup>th</sup> (highest) out of 149 upper tier local authorities and ranked 2<sup>nd</sup> highest out of its CIPFA similar areas after Northamptonshire.



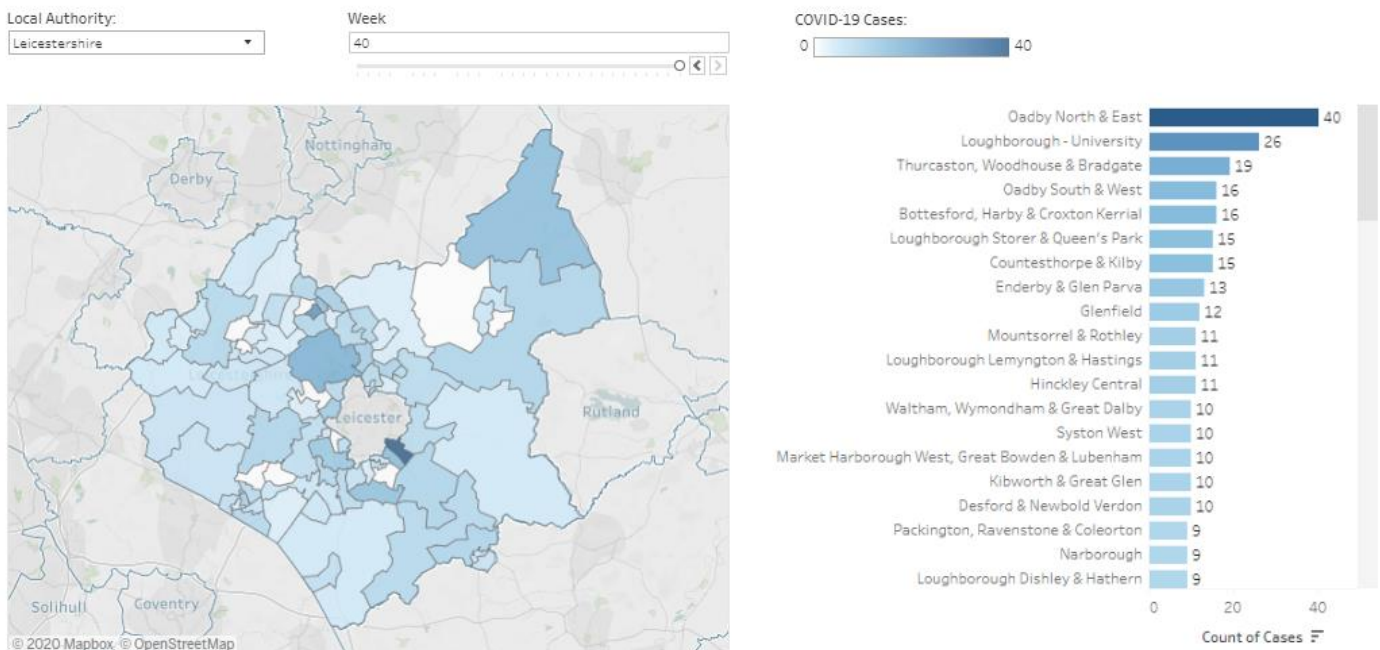
## 7. The highest count of Covid-19 cases was found in Oadby North & East in the last week

- Between 28<sup>th</sup> September to 4<sup>th</sup> October (week 40), the MSOA with the highest count of confirmed cases of Covid-19 were found in Oadby North & East with 40 reported cases. This was followed by:
  - Loughborough – University (26)
  - Thurcaston, Woodhouse & Bradgate (19)
  - Oadby South & West (16), Bottesford, Harby & Croxton Kerrial (16)
  - Loughborough Storer & Queen’s Park (15), Countesthorpe & Kilby (15)
  - Enderby & Glen Parva (13)
  - Glenfield (12)
  - Mountsorrel & Rothley (11), Loughborough Lemyngton & Hastings (11), Hinckley Central (11)
  - Waltham, Wymondham & Great Dalby (10), Syston West (10), Market Harborough, West, Great Bowdoen & Lubenham (10), Kibworth & Great Glen (10), Desford & Newbold Verdon (10)



- Packington, Ravenstone & Coleorton (9), Narborough (9), Loughborough Dishley & Hathern (9), Loughborough – Outwoods (9), Fleckney, Kibworth & Foxton (9), Burbage, Sketchley & Stretton (9), Barrow upon Soar (9)
- Whetstone (8), Syston East (8), Quorn & Mountsorrel Castle (8), Houghton, Thurby & Scraftoft (8), Hinckley East (8), East Goscote & Queniborough (8), Birstall Wanlip & Riverside (8), Anstey (8)
- Wigston Town (7), Shepshed West (7), Lutterworth (7), Kirby Muxloe & Thurlaston (7), Hinckley West (7), Braunstone Town (7)
- Stoke Golding, Higham & Fenny Drayton (6), Market Harborough South & Little Bowden (6), Market Bosworth, Barlestone & Sheepy Magna (6), Burbage St Catherines (6), Blaby Village
- Melton Mowbray West (5), Melton Mowbray North (5), Markfield & Thorton (5), Market Harborough Central (5), Ibstock & Ellistown (5), Hugglescote & Bardon Hill (5), Cosby, Croft & Elmesthorpe (5), Broughton Astley (5), Ashby de la Zouch North (5)
- The following areas all recorded four cases or below in the last week:
  - **Oadby & Wigston:** Wigston North; South Wigston;
  - **North West Leicestershire:** Measham & Appleby Magna; Donisthlope & Blackfordby;; Castle Donington; Whitwick; Kegworth & Belton; Ashby de la Zouch South; Agar Nook
  - **Harborough:** Tilton, Billesdon & Great Easton; Dunton Bassett, Claybrooke & Swinford;
  - **Hinckley & Bosworth:** Hinckley Clarendon Park; Groby West & Ratby;
  - **Charnwood:** Birstall Central (4), Wymeswold, Rearsby & Cossington; Thurmaston; Sileby; Shepshed East; Loughborough – Shelthorpe & Woodthorpe;
  - **Blaby:** Leicester Forest East; Stoney Stanton, Sapcote & Sharnton;

Weekly Counts of Lab-confirmed Covid-19 cases by Middle Layer Super Output Area, Leicester, Leicestershire and Rutland, from Week 11 to Week 40



- All other areas, including all of Rutland, recorded between zero and two cases in the last week. These counts have been suppressed due to data disclosure and are represented as white in the map above.

## 8. District Level Summary

- **Oadby & Wigston** continues to have the highest rate of Covid-19 cases and deaths in the county. The rate of cumulative cases is significantly higher in comparison to the England average.
- The weekly counts of cases saw three peaks one in mid-May, one in mid-July and another at the beginning of September.
- The weekly counts of cases have increased from 83 in w/c 28<sup>th</sup> September to 85 in w/c 5<sup>th</sup> October.
- The latest weeks data on death occurrences shows no deaths involving Covid-19 were recorded in Oadby & Wigston from week 27 to week 40.
  
- **Hinckley & Bosworth** has the fourth highest rate of Covid-19 cases and second highest rate of deaths in the county. The rate of cumulative cases is significantly lower compared to the England average.
- The weekly counts of cases saw a peak in late April with second peak on 8<sup>th</sup> June (57 cases). After this the weekly counts of cases had fluctuated, until the end of August and having since then shown an increasing trend. The latest weekly counts of cases have increased, from 87 in w/c 28<sup>th</sup> September to 94 in w/c 5<sup>th</sup> October.
- The latest weeks data shows no deaths involving Covid-19 in Hinckley & Bosworth in week 40.
  
- **Blaby** has the second highest rate of Covid-19 cases in the county and third highest rate of deaths. The rate of cumulative cases is significantly higher in comparison to the England average.
- The weekly counts of cases saw a peak before the middle of May and a smaller peak at the beginning of June. Since then, a further peak has been witnessed in the beginning of October. The latest weekly counts of cases have increased from 101 in w/c 28<sup>th</sup> September to 108 in w/c 5<sup>th</sup> October.
- The latest weeks data shows there were no deaths involving Covid-19 in Blaby in week 40.
  
- **Harborough** has the third lowest rate of Covid-19 cases and third lowest rate of deaths in the county. The rate of cumulative cases is significantly lower in comparison to the England average.
- The weekly counts of cases saw a peak towards the end of April and a smaller peak around mid-June, and there has been an increasing trend of cases since the end of August. The latest weekly counts of cases have increased from 76 in w/c 28<sup>st</sup> September to 84 in w/c 5<sup>th</sup> October.
- The latest weekly counts of deaths involving Covid-19 shows no deaths were recorded in Harborough in the past eight weeks (week 33 to week 40).
  
- **Charnwood** has the third highest rate of Covid-19 cases and fourth highest rate of deaths in the county. The rate of cumulative cases is statistically similar to the England average.
- The weekly counts of cases saw a peak around mid-May, a smaller peak at the end of July and have been increasing since the end of August. The latest weekly counts of cases have increased from 199 in w/c 28<sup>th</sup> September to 294 in w/c 5<sup>th</sup> October.
- The latest weeks data shows one death involving Covid-19 in Charnwood was recorded in the past week, this occurred in a hospital setting.
  
- **North West Leicestershire** has the lowest rate of Covid-19 cases and lowest rate in deaths in the county. The rate of cumulative cases is significantly lower than the England average.
- The weekly counts of cases had shown a declining trend since the middle of June, however an increase in counts of cases has been witnessed since mid-September. The weekly count of cases have increased from 59 cases in w/c 28<sup>th</sup> September to 94 in w/c 5<sup>th</sup> October.

- The latest weekly counts of deaths involving Covid-19 shows no deaths were recorded in North West Leicestershire in the past ten weeks (week 31 to week 40).
- **Melton** has the second lowest rate of Covid-19 cases in the county and the second lowest rate of deaths in the county. The rate of cumulative cases is significantly lower than the England average.
- The latest weekly counts of cases have decreased, from 45 cases in w/c 28<sup>th</sup> September to 31 cases in w/c 5<sup>th</sup> October.
- The latest weeks data shows no deaths involving Covid-19 in Melton in week 40.

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