



Public Health
England

Protecting and improving the nation's health

COVID-19 Situational Awareness Summary

07/07/20

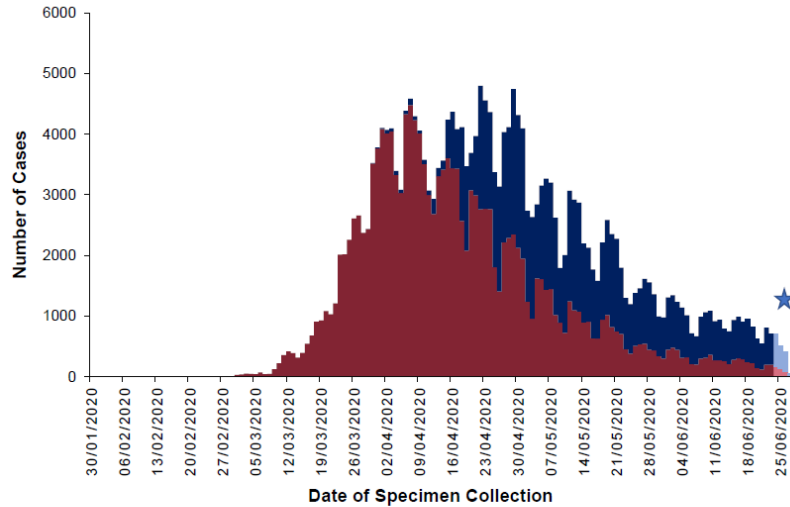
Outbreak Surveillance Team

Contents

This is the first situational awareness summary report collating information and intelligence from various sources. The summary will be provided daily and the content will continue to be developed.

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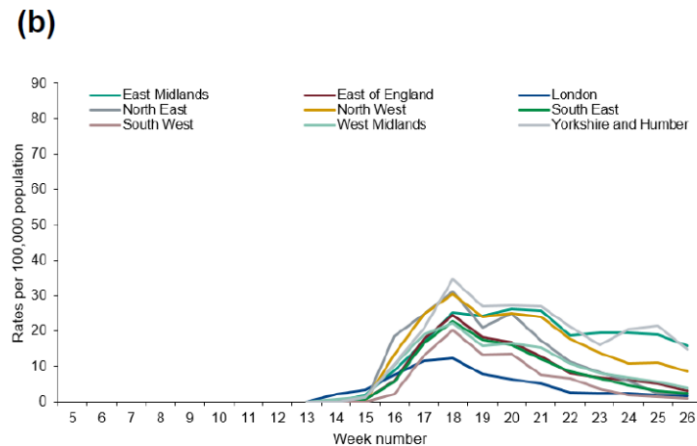
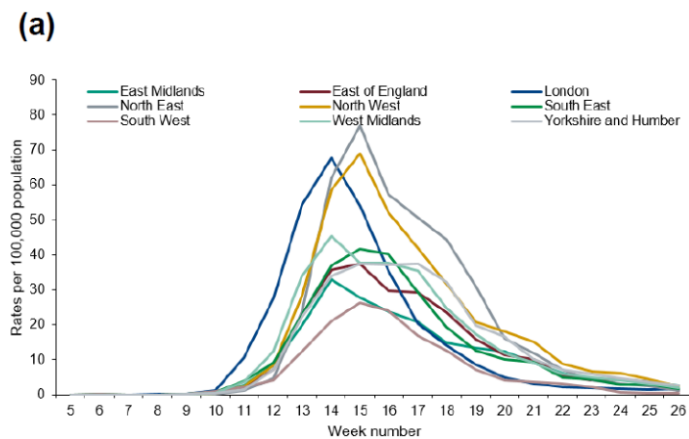
National context



- The number of COVID-19 cases nationally has continued to decrease
- The number of tests undertaken through pillar 2 increased with testing access opening to the general population at the end of May which accounts for the distribution of cases seen in these graphs.

Laboratory confirmed Pillar 1 and Pillar 2 COVID-19 cases by specimen date (n=241,707). Red bars represent 160,292 Pillar 1 cases. Blue bars represent 81,415 Pillar 2 cases.

★ Lighter bars are provisional data – reporting delays mean that the number of cases in recent days will change as further reports are received.



Weekly laboratory confirmed COVID-19 case rates per 100,000 population tested under (a) Pillar 1 and (b) Pillar 2, by PHE Centres and sample week

High level summary

List of the Upper Tier Local Authorities (UTLA) with highest incidence rates in 7 days 26 June - 02 July

	Weekly incidence rate from 19 June to 25 June	Weekly incidence rate from 26 June to 02 July	Difference in weekly incidence rate from previous week		Daily incidence rate from 19 June to 25 June (7 day moving average)	Daily incidence rate from 26 June to 02 July (7 day moving average)	Difference in daily incidence rate from previous week	
Leicester	159.3	117.1	-42.2	↓	22.8	16.7	-6.1	↓
Bradford	51.4	40	-11.4	↓	7.3	5.7	-1.6	↓
Rochdale	41.8	33.2	-8.6	↓	6	4.7	-1.3	↓
Kirklees	28.5	30.8	2.3	↑	4.1	4.4	0.3	↑
Rotherham	31.7	29.5	-2.2	↓	4.5	4.2	-0.3	↓
Blackburn with Darwen	30.9	26.2	-4.7	↓	4.4	3.7	-0.7	↓
Barnsley	50.6	26.1	-24.5	↓	7.2	3.7	-3.5	↓
Sheffield	20.8	24.9	4.1	↑	3	3.6	0.6	↑
Oldham	37.3	24.6	-12.7	↓	5.3	3.5	-1.8	↓
Bedford	28	20.4	-7.6	↓	4	2.9	-1.1	↓
England	8.6	6.7	-1.9	↓	1.2	1	-0.2	↓

Data for positive cases with specimen dates between **19 June and 02 July 2020**

Data definitions (see next slide for additional data)

Weekly incidence rate = total confirmed cases in the most recent 7 day period per 100,000 population

Daily incidence rate, 7 day moving average (7-DMA) = average number of confirmed cases per day for the 7 day period per 100,000 population

Individuals tested per day per 100,000 (7-DMA) = Number of individuals tested per 100,000 population

Percentage individuals test positive (7-DMA) = Percentage of individuals tested with specimen dates in the seven day period who have been positive for SARS-CoV2

Community outbreaks = Number of outbreaks reported to PHE during the 7 day period, excluding those reported from secondary healthcare and care home settings.

High level summary

Local authority areas of interest – this table contains the areas flagged in a set of key indicators which should be looked at together.

	Individuals tested per day per 100,000 population (7 day moving average)		Percentage individuals test positive (7 day moving average)		Daily incidence per 100,000 population (7 day moving average)		Daily incidence per 100,000 population (14 day moving average)		Daily exceedance score	Community outbreaks (Last 7 days)
Leicester	221.5	↑	7.6	↓	16.7	↓	19.7		GREEN	[Redacted]
Bradford	103.6	↑	5.5	↓	5.7	↓	6.5		GREEN	
Rochdale	98.5	↑	4.8	↓	4.7	↓	5.4		AMBER	
Kirklees	89.2	↑	4.9	↓	4.4	↑	4.2		GREEN	
Rotherham	111.2	↑	3.8	↓	4.2	↓	4.4		GREEN	
Ashford	111.4	↑	3.6	↓	4.0	↓	4.4		GREEN	
Oadby and Wigston	239.1	↑	1.7	↓	4.0	↓	6.5		GREEN	
Blackburn with Darwen	84.5	↑	4.4	↓	3.7	↓	4.1		AMBER	
Barnsley	108.2	↓	3.4	↓	3.7	↓	5.5		GREEN	
Sheffield	91.4	↑	3.9	↑	3.6	↑	3.3		RED	
Oldham	87.1	↓	4.0	↓	3.5	↓	4.4		AMBER	
Folkestone and Hythe	91.7	↑	3.7	↓	3.4	↓	3.5		AMBER	
Carlisle	79.6	↑	3.8	↑	3.0	↑	1.9		RED	
Bedford	122.8	↑	2.4	↓	2.9	↓	3.5		GREEN	
Blaby	148.4	↑	1.7	↓	2.6	↓	3.2		GREEN	
Knowsley	113.9	↑	2.3	↓	2.6	↑	2.3		RED	
Bolton	78.8	↑	3.0	↓	2.4	↓	2.9		RED	
Charnwood	128.6	↑	1.8	↓	2.3	↑	2.1		GREEN	
Hinckley and Bosworth	126.3	↑	1.8	↓	2.3	↑	2.2		GREEN	
Northampton	83.9	↑	2.7	↓	2.3	→	2.3		GREEN	

Data for specimens taken/outbreaks reported between **26 June** and **02 July** (7 day) and **19 June** and **02 July** (14 day).

Arrows demonstrate how figures compare to the equivalent figure as of 25 June.

These areas are currently under investigation by local public health protection teams and DsPH. Testing access is being increased in areas including Bradford. These areas are also associated with workplace outbreaks which have contributed to the increase in infection rates.

High level summary

Local authority areas with the highest daily 7 day incidence that have risen from the previous week

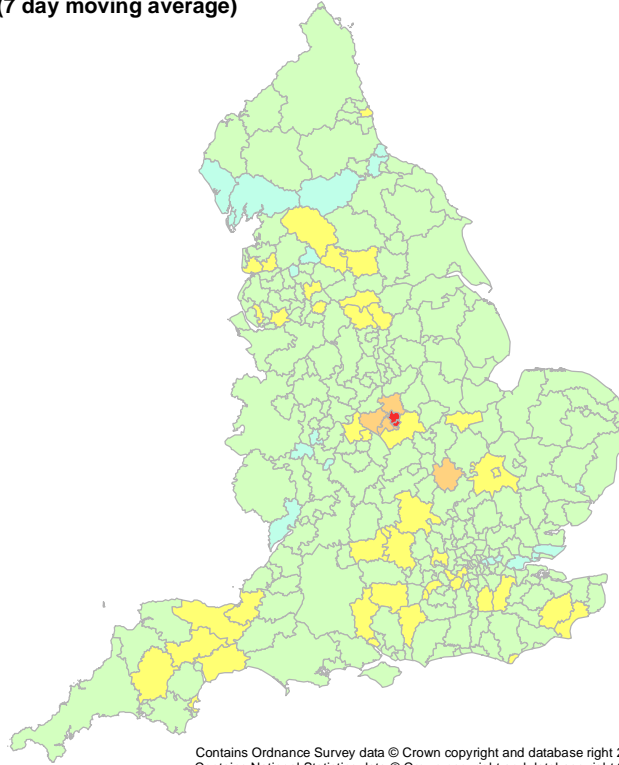
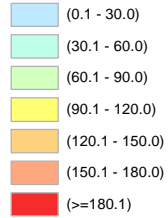
	Individuals tested per day per 100,000 population (7 day moving average)	Percentage individuals test positive (7 day moving average)	Daily incidence per 100,000 population (7 day moving average)	Daily incidence per 100,000 population (14 day moving average)	Daily exceedance score	Community outbreaks (Last 7 days)
Kirklees	89.2	4.9	4.4	4.2	GREEN	
Sheffield	91.4	3.9	3.6	3.3	RED	
Carlisle	79.6	3.8	3.0	1.9	RED	
Knowsley	113.9	2.3	2.6	2.3	RED	
Charnwood	128.6	1.8	2.3	2.1	GREEN	
Hinckley and Bosworth	126.3	1.8	2.3	2.2	GREEN	
Staffordshire Moorlands	73.9	3.1	2.3	2.0	RED	
Calderdale	86.4	2.6	2.2	2.0	RED	
Dartford	88.7	2.3	2.1	1.6	AMBER	
Newcastle-under-Lyme	76.8	2.4	1.9	1.8	GREEN	
Cheshire West and Ches	85.9	1.8	1.6	1.5	AMBER	
Fylde	104.2	1.5	1.6	0.9	GREEN	
St Albans	82.3	2.0	1.6	1.3	RED	
Cannock Chase	61.2	2.3	1.4	0.9	RED	
Woking	78.4	1.8	1.4	1.1	RED	

Data for specimens taken/outbreaks reported between **26 June** and **02 July** (7 day) and **19 June** and **02 July** (14 day).

Arrows demonstrate how figures compare to the equivalent figure as of 25 June.

Testing: Individuals tested per 100,000 population per day

Average number of individuals tested per 100,000 per day (7 day moving average)

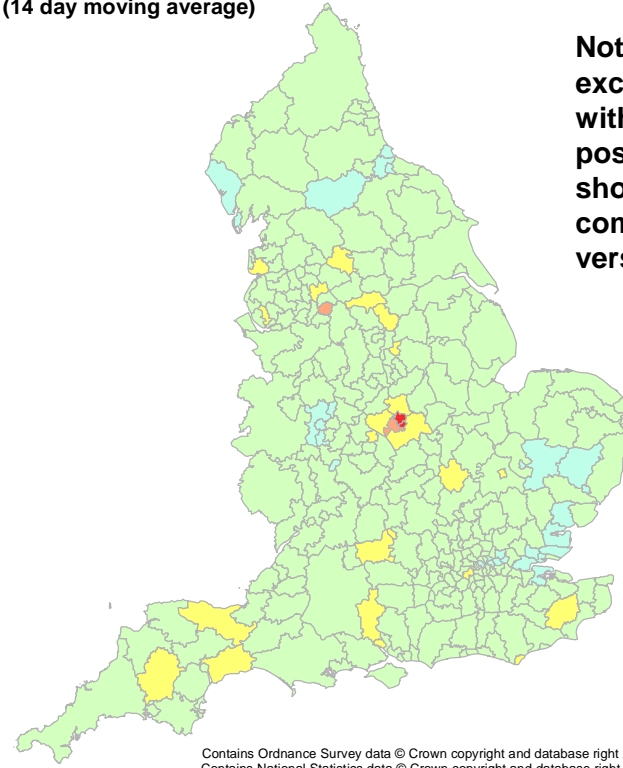
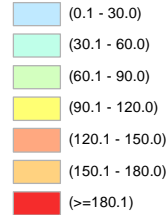


Local authorities with the highest rates

	Rate		Rate
Oadby and Wigston	239.1	Bedford	122.8
Leicester	221.5	Tameside	116.7
Blaby	148.4	Southampton	116.3
Charnwood	128.6	Knowsley	113.9
Hinckley and Bosworth	126.3	Eastbourne	113

Data for specimens taken between 26 June and 02 July (7 day) and 19 June and 02 July (14 day)

Average number of individuals tested per 100,000 per day (14 day moving average)



Local authorities with the highest rates

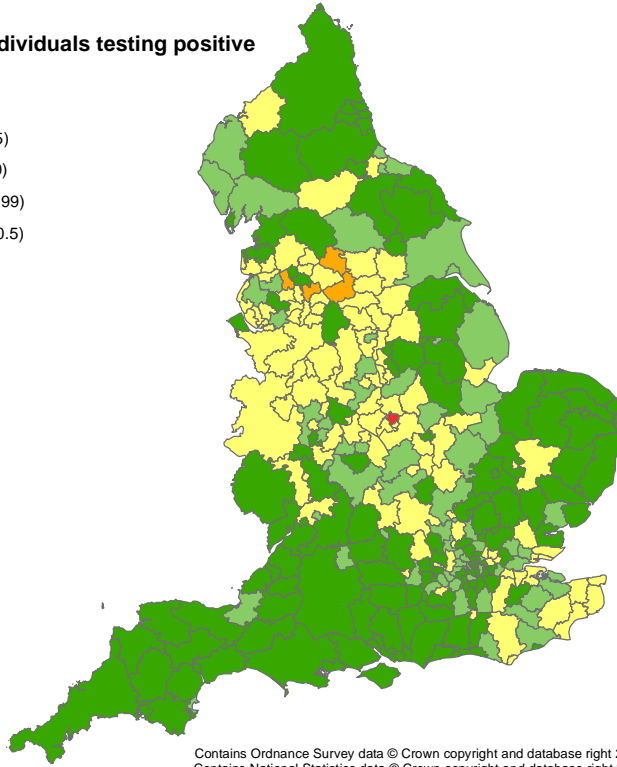
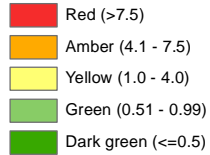
	Rate		Rate
Oadby and Wigston	197.3	Barnsley	109.3
Leicester	193.2	West Devon	108.6
Tameside	126.2	Charnwood	106.2
Blaby	121.3	Hinckley and Bosworth	106
Rotherham	110	Southampton	104.9

Note: The dataset now excludes negative tests without a home postcode. These maps should not be compared to previous versions.

Testing: Individuals testing positive per 100 tests

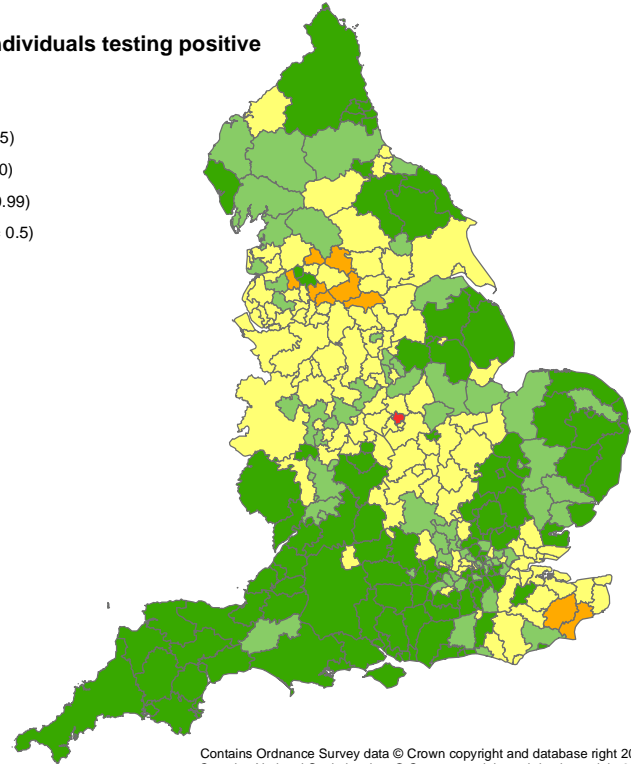
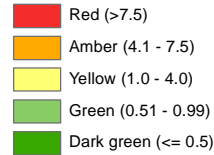
Data for specimens taken between 26 June and 02 July (7 day) and 19 June and 02 July (14 day)

Percentage of individuals testing positive (7 day) RAG



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Percentage of individuals testing positive (14 day) RAG



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Local authorities with the highest percentages

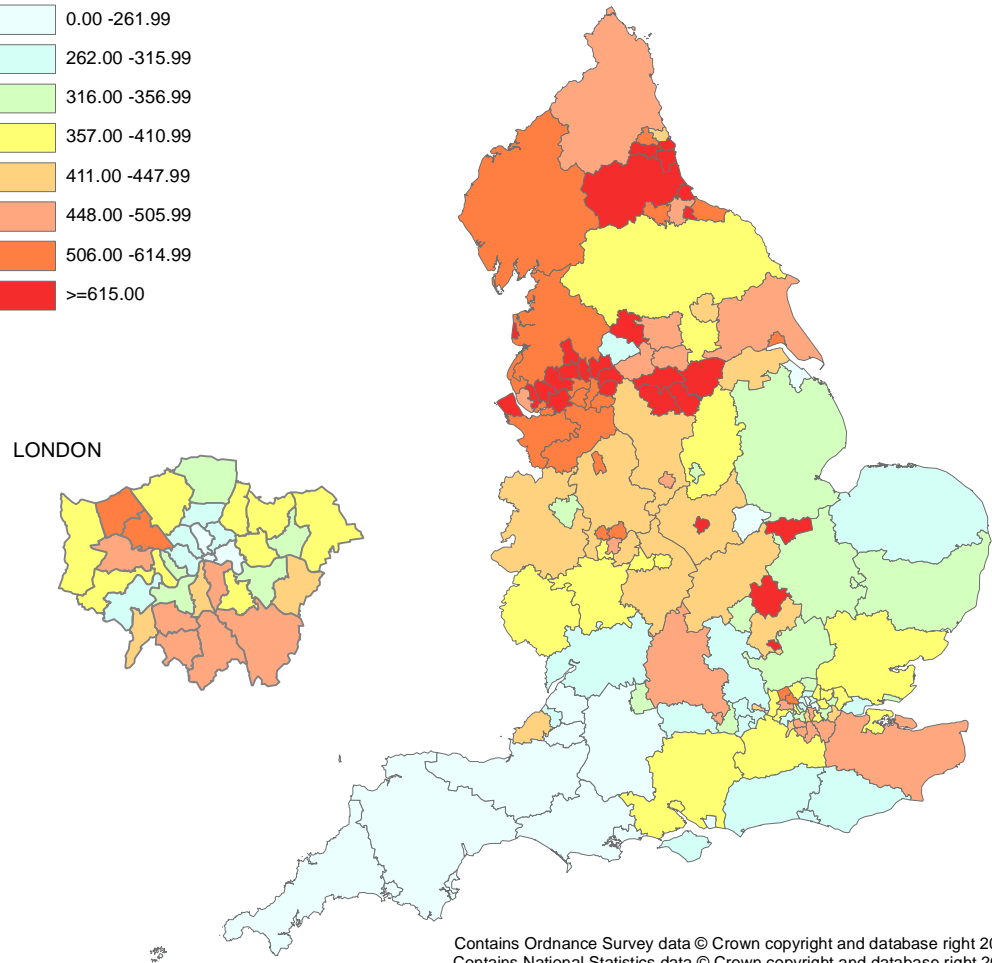
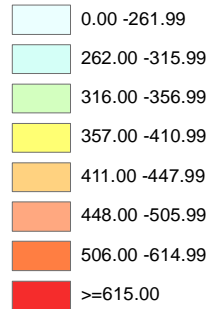
	%		%
Leicester	7.6	Oldham	4
Bradford	5.5	Sheffield	3.9
Kirklees	4.9	Rotherham	3.8
Rochdale	4.8	Carlisle	3.8
Blackburn with Darwen	4.4	Folkestone and Hythe	3.7

Local authorities with the highest percentages

	%		%
Leicester	10.2	Barnsley	5
Bradford	6.4	Blackburn with Darwen	4.9
Rochdale	5.7	Pendle	4.9
Kirklees	5.1	Ashford	4.3
Oldham	5	Folkestone and Hythe	4.1

Cumulative incidence rates (up to 02 July)

Cumulative incidence rate per 100,000 population



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Local authorities with the highest rates

	Rate
Leicester	1068.9
Oldham	777.1
Bradford	771.6
Barnsley	766.3
Bedford	731.3
Blackpool	729.3
Rotherham	704.3
Rochdale	701.8
Sheffield	678.3
Middlesbrough	675.9

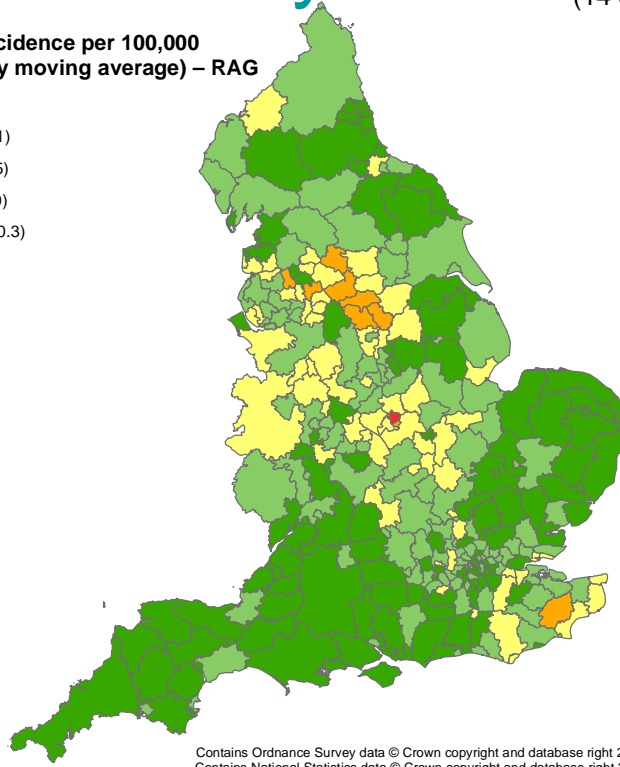
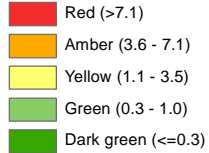
Cumulative rate of Pillar 1 and Pillar 2 COVID-19 cases (per 100,000) by upper-tier local authority in England* (n=237,073)

Excludes 8,206 COVID-19 cases for whom geographical information is to be confirmed.

Average daily incidence rates per 100,000 population by LA

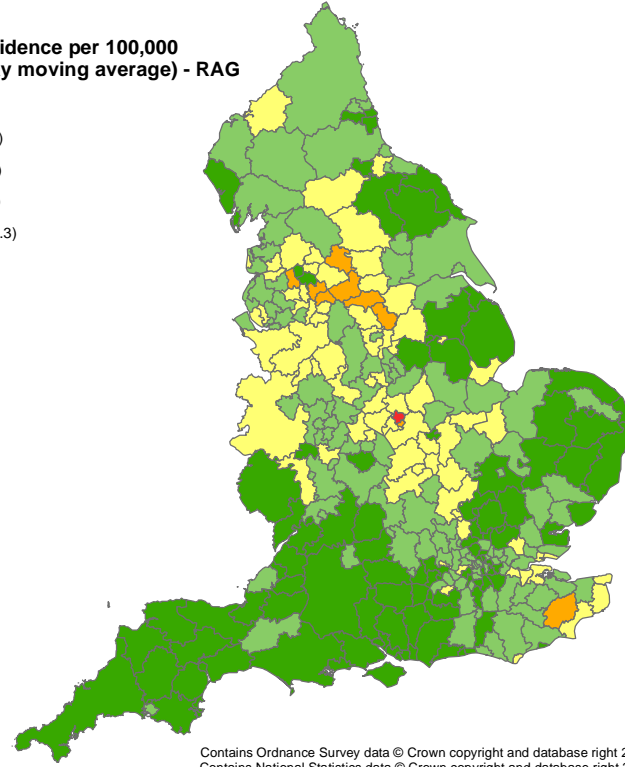
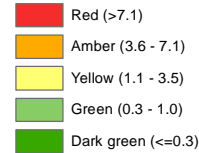
Data for specimens taken between 26 June and 02 July (7 day) and 19 June and 02 July (14 day)

Average daily incidence per 100,000 population (7 day moving average) – RAG



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Average daily incidence per 100,000 population (14 day moving average) - RAG



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Local authorities with the highest average daily rates:

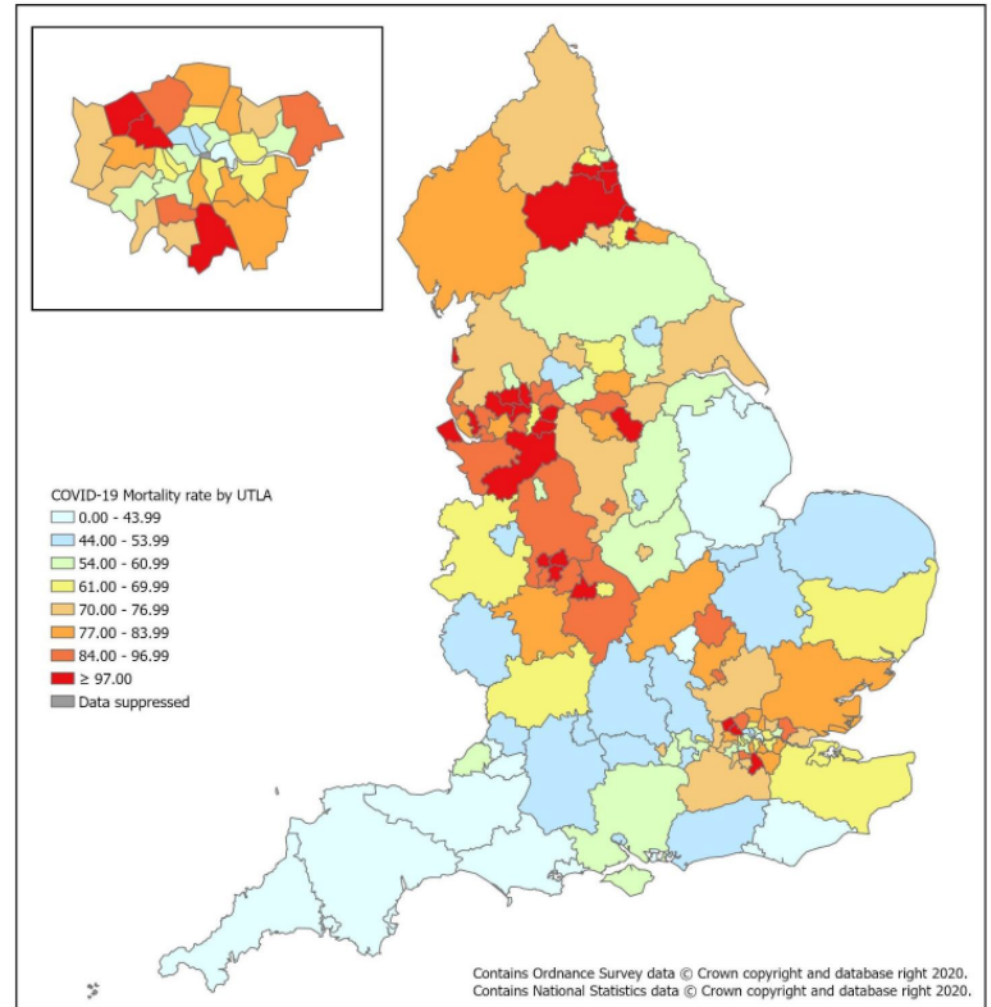
	Rate		Rate
Leicester	16.7	Ashford	4
Bradford	5.7	Oadby and Wigston	4
Rochdale	4.7	Blackburn with Darwen	3.7
Kirklees	4.4	Barnsley	3.7
Rotherham	4.2	Sheffield	3.6

Local authorities with the highest average daily rates:

	Rate		Rate
Leicester	19.7	Rotherham	4.4
Bradford	6.5	Ashford	4.4
Oadby and Wigston	6.5	Oldham	4.4
Barnsley	5.5	Kirklees	4.2
Rochdale	5.4	Blackburn with Darwen	4.1

Mortality

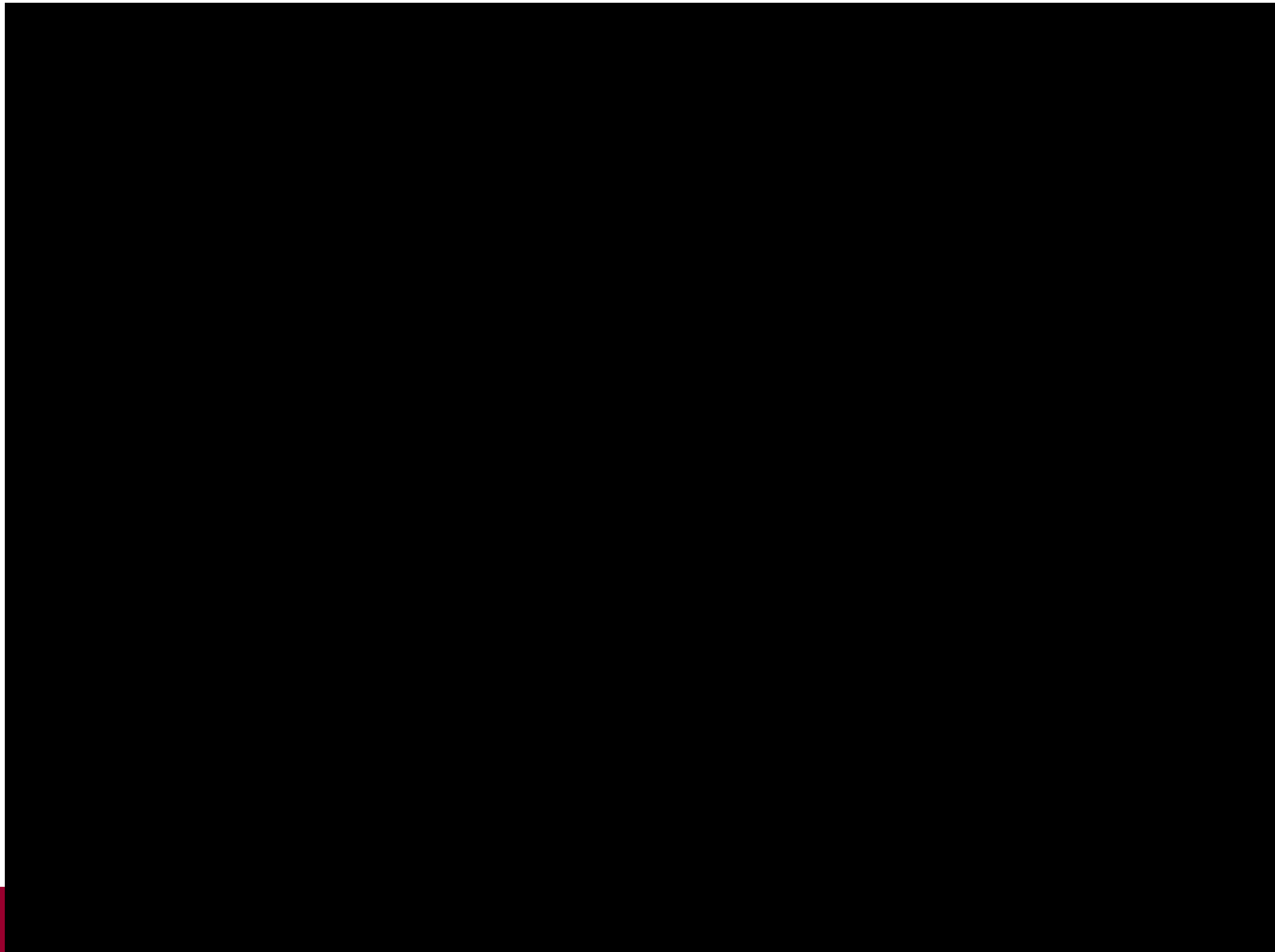
A total of 38,670 COVID-19 related deaths in England have been identified to date (data to 17:00, 27 June 2020)

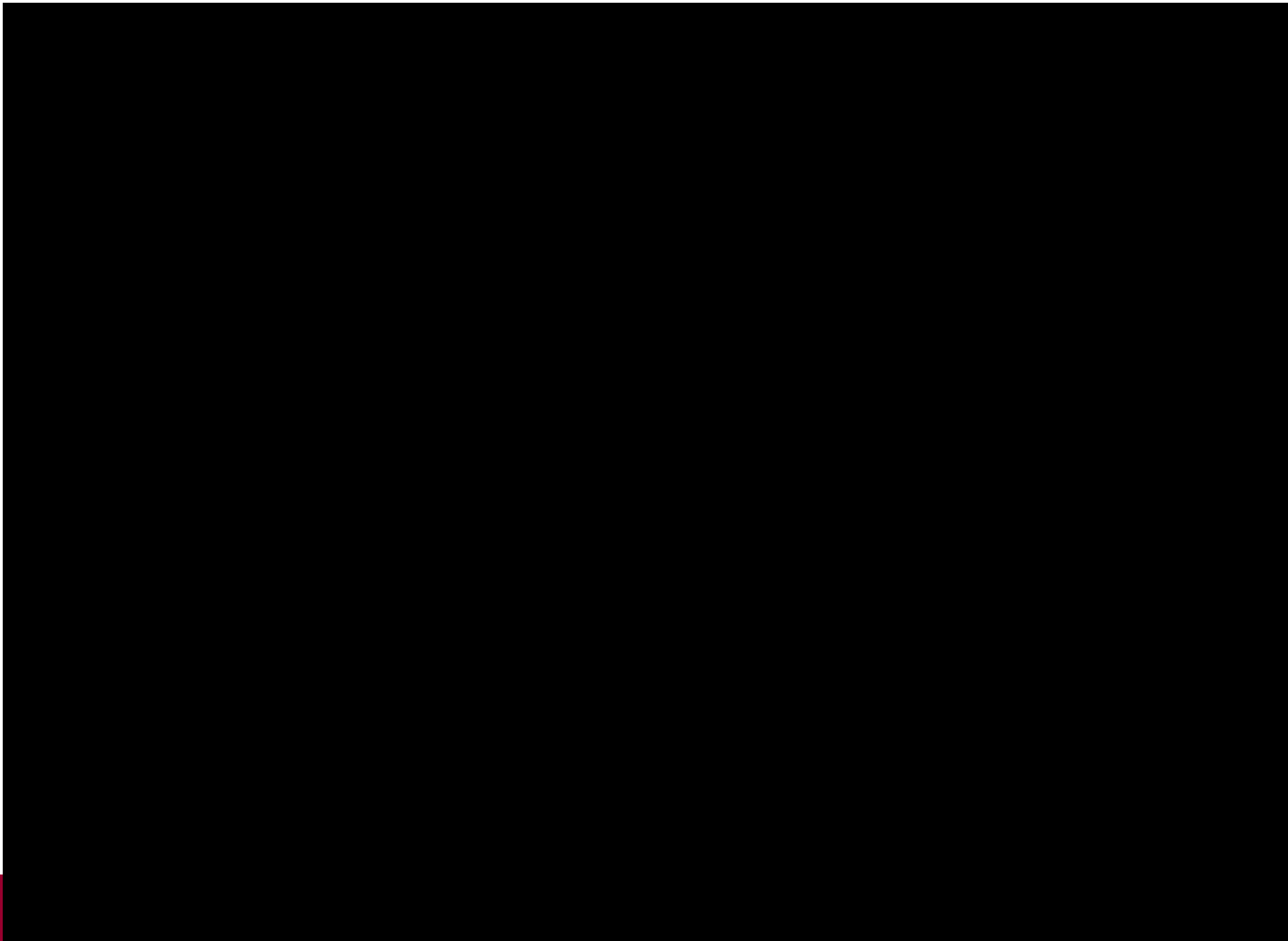


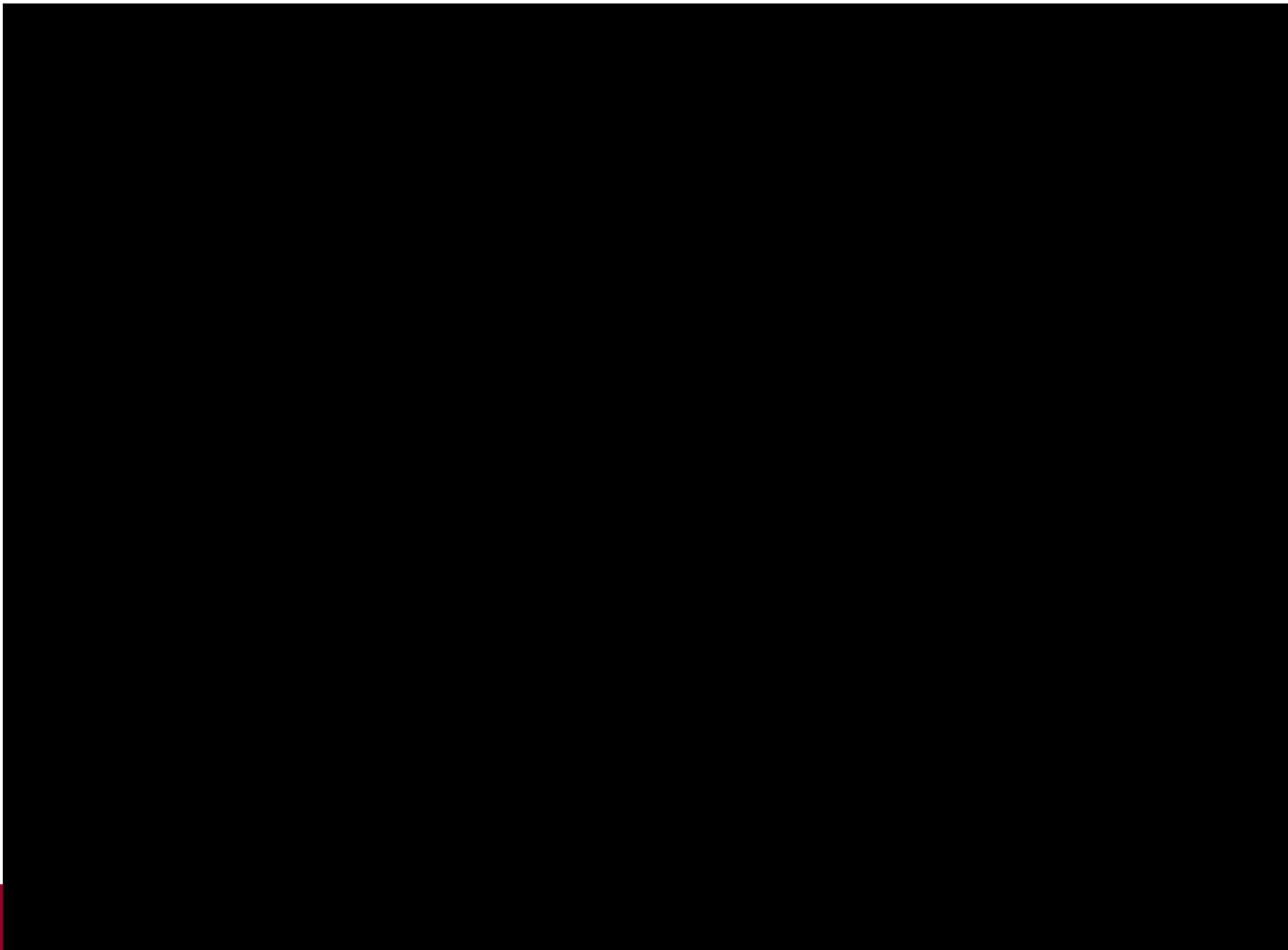
Rates* of Pillar 1 and Pillar 2 COVID-19 related deaths (per 100,000) by upper-tier local authority, England* (n=38,670)

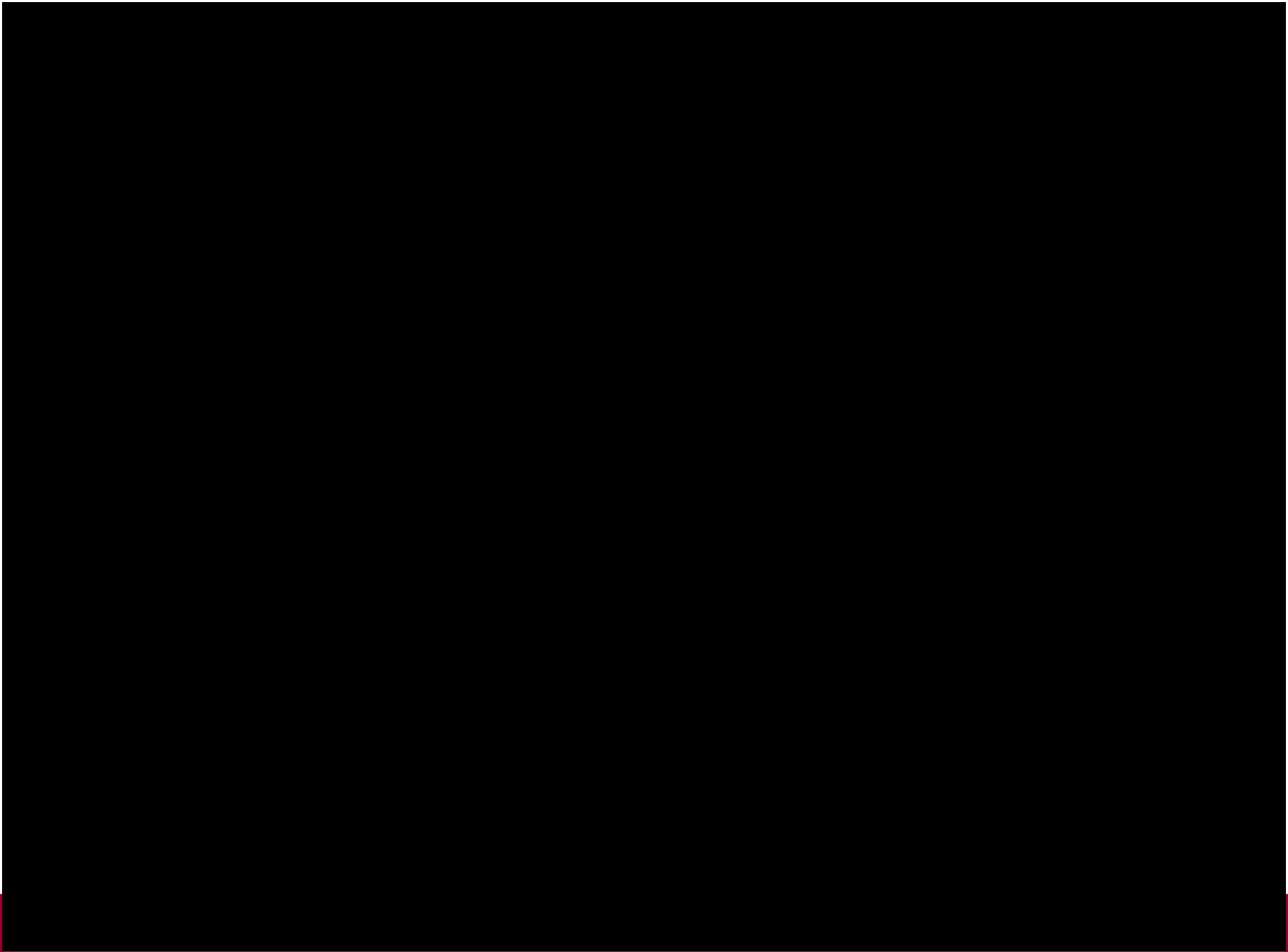
*Excludes 345 COVID-19 related deaths with geographical information to be confirmed.

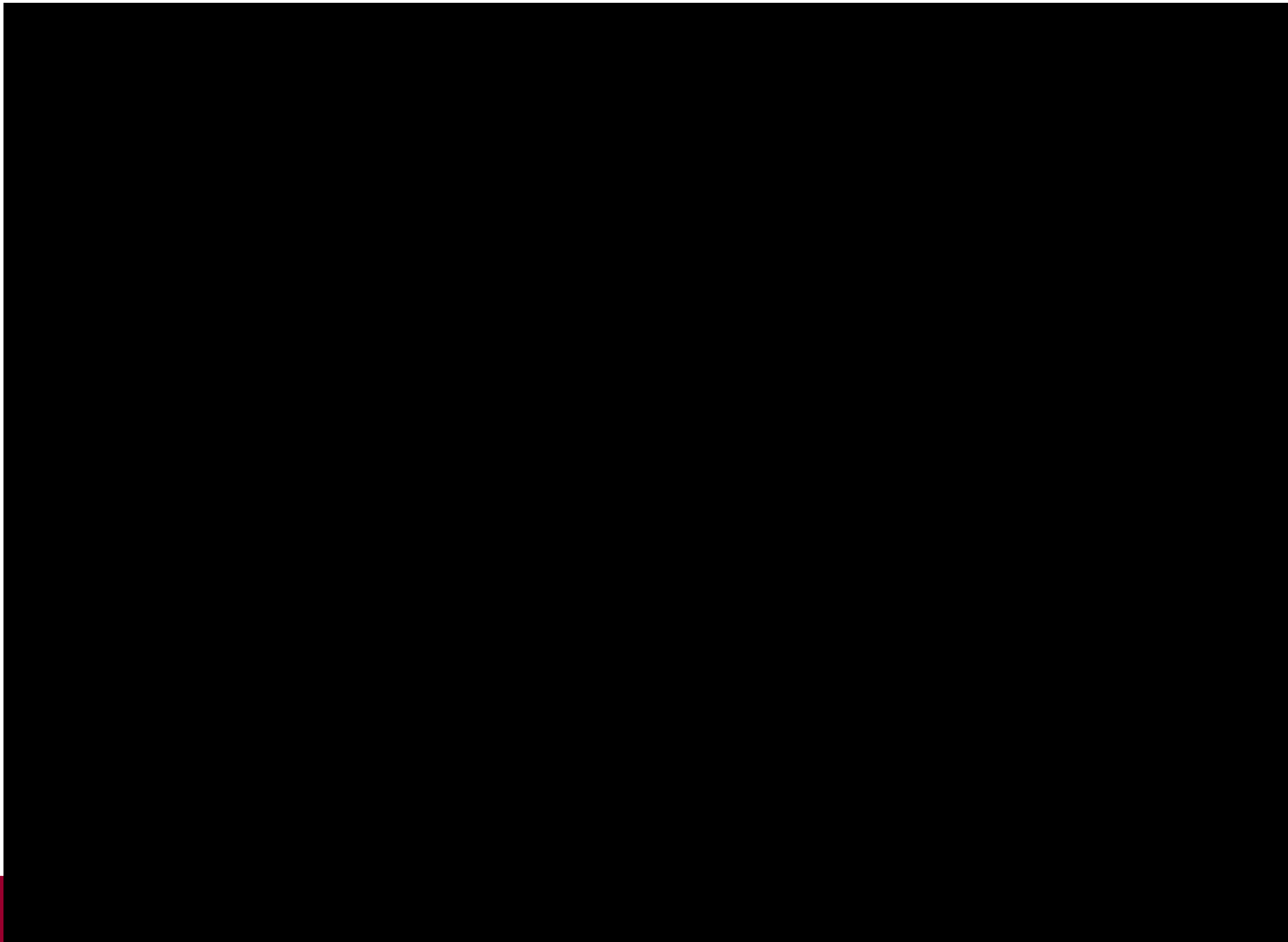


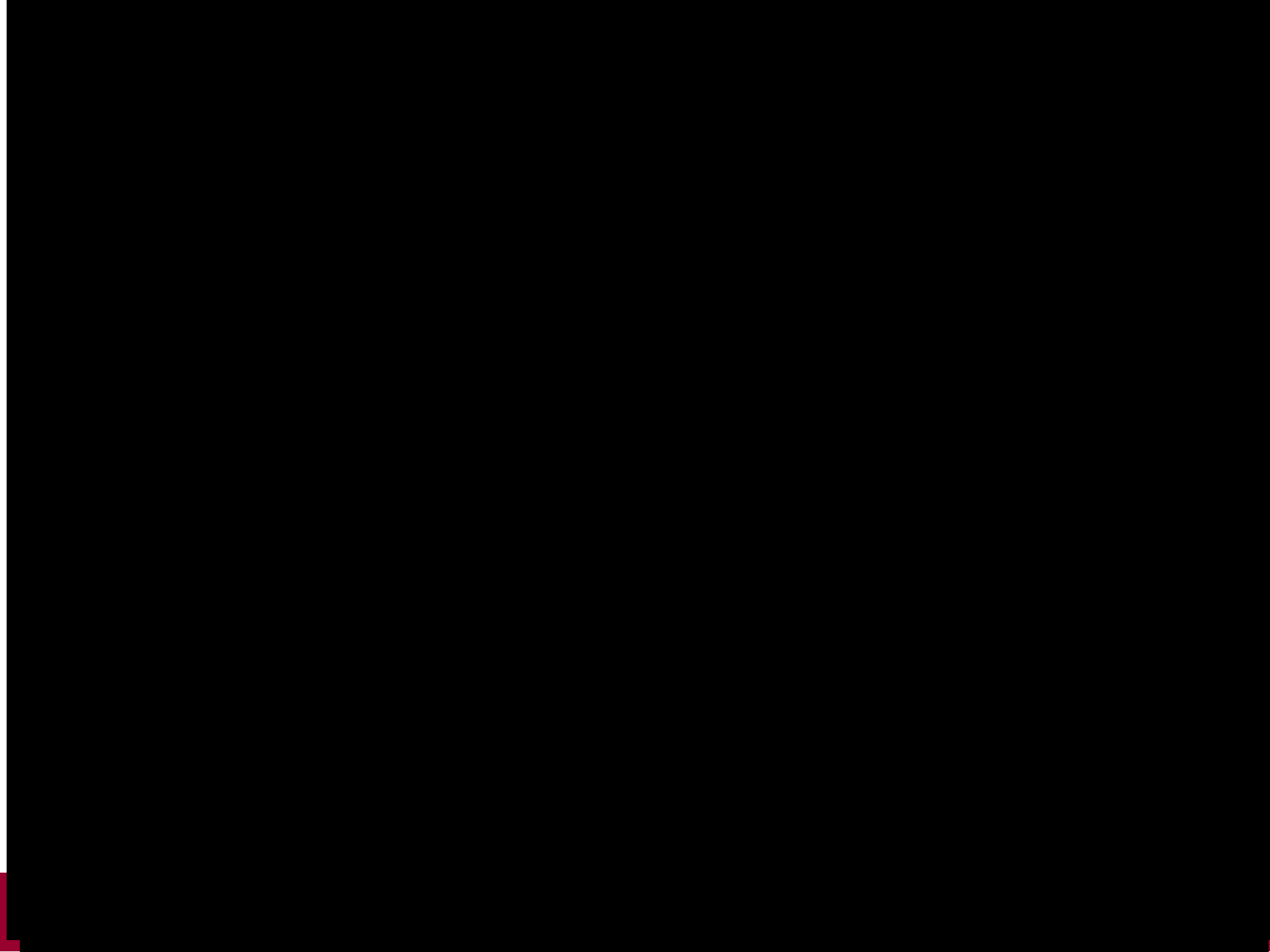












Outbreak reports

Notes: Information on outbreaks is collated from the health protection team case management system and from their reports to the PHE IMT.

Definitions:

Situation: a generic term for linking cases on the HPT case management platform (HPZone)

Outbreak:

- 'Two or more confirmed cases of COVID-19 among individuals associated with a workplace/care home/educational setting with onset dates within 14 days.' In certain settings 'an overall increase in sickness absence reporting where e.g. parents report illness with suspected COVID-19 is classified as an outbreak.

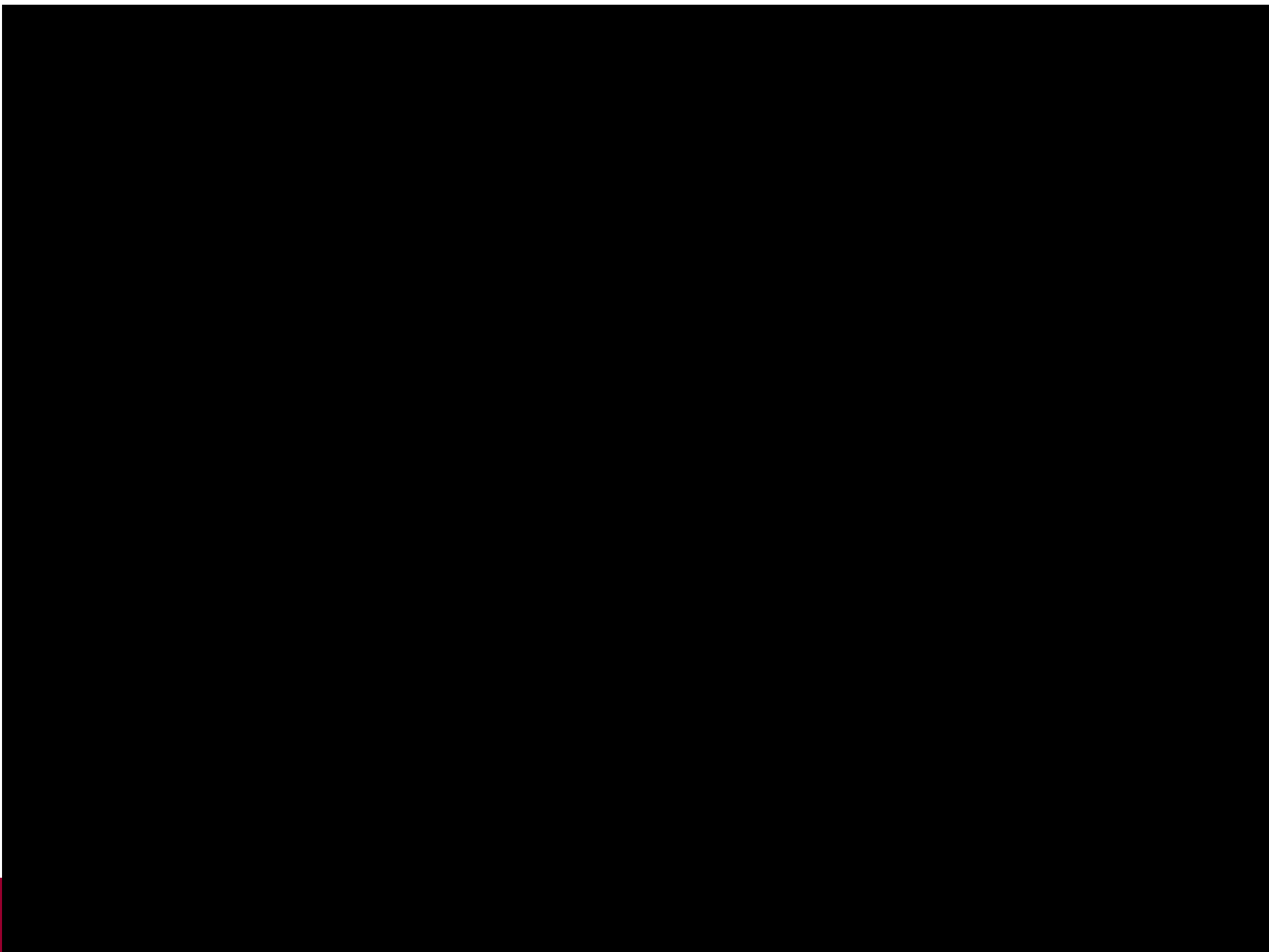
Incident:

- Used by GIS / Dashboard are **Outbreaks** reported in the last 24 hours.

'**Situations of Interest**' are outbreaks that are reported by local HPTs to the daily national ROC T/C due to aspects that may be of interest, including but not limited to:

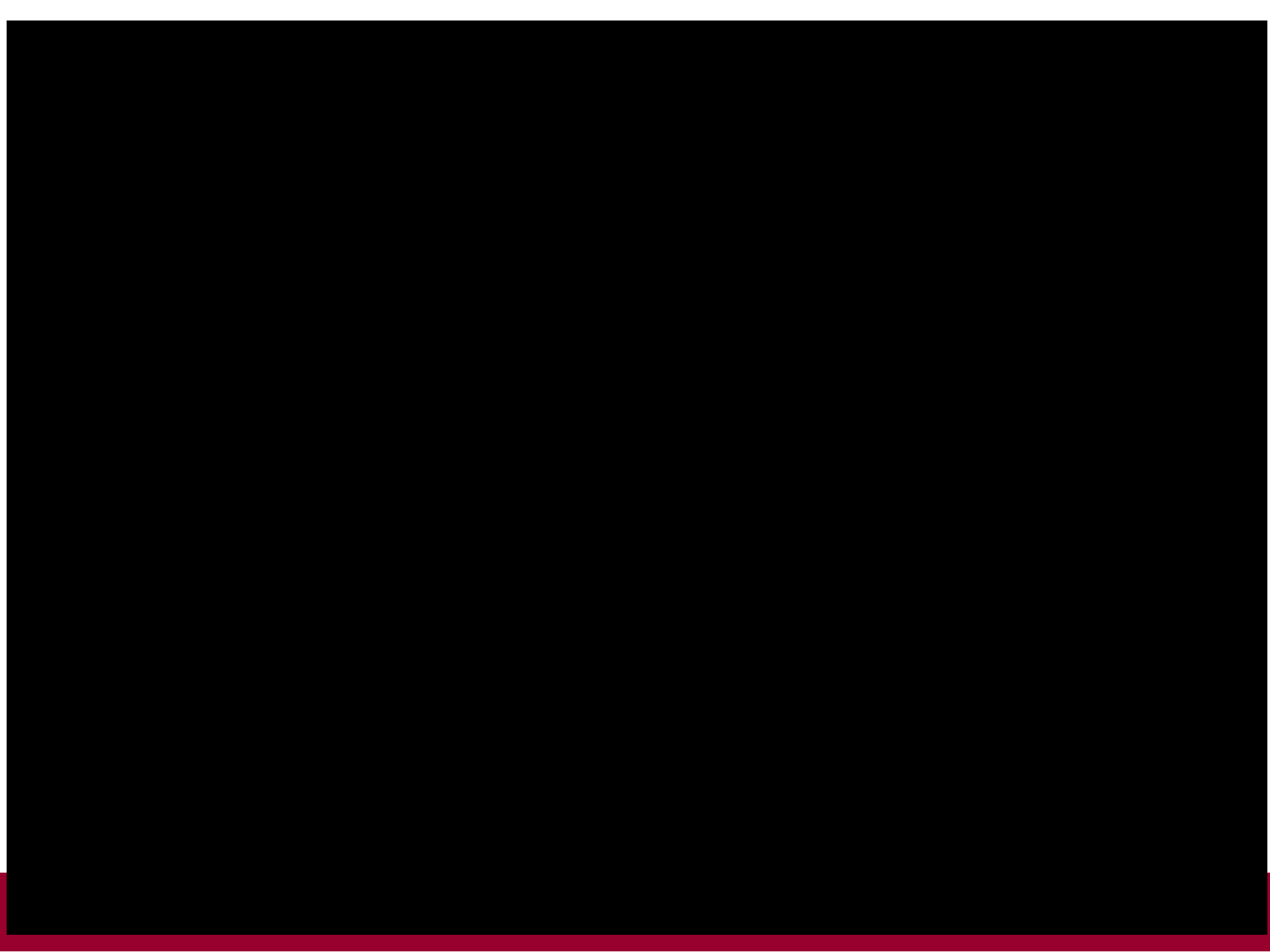
- Scale: large numbers.
- Sensitivity: either because of local political interest, or national political interest.
- Situations where control measures are particularly challenging or are not being immediately effective.
- Settings of interest, care homes, NHS establishments, educational settings, food businesses etc.

All Situations of Interest (SOI) are outbreaks. Not all outbreaks are SOI.

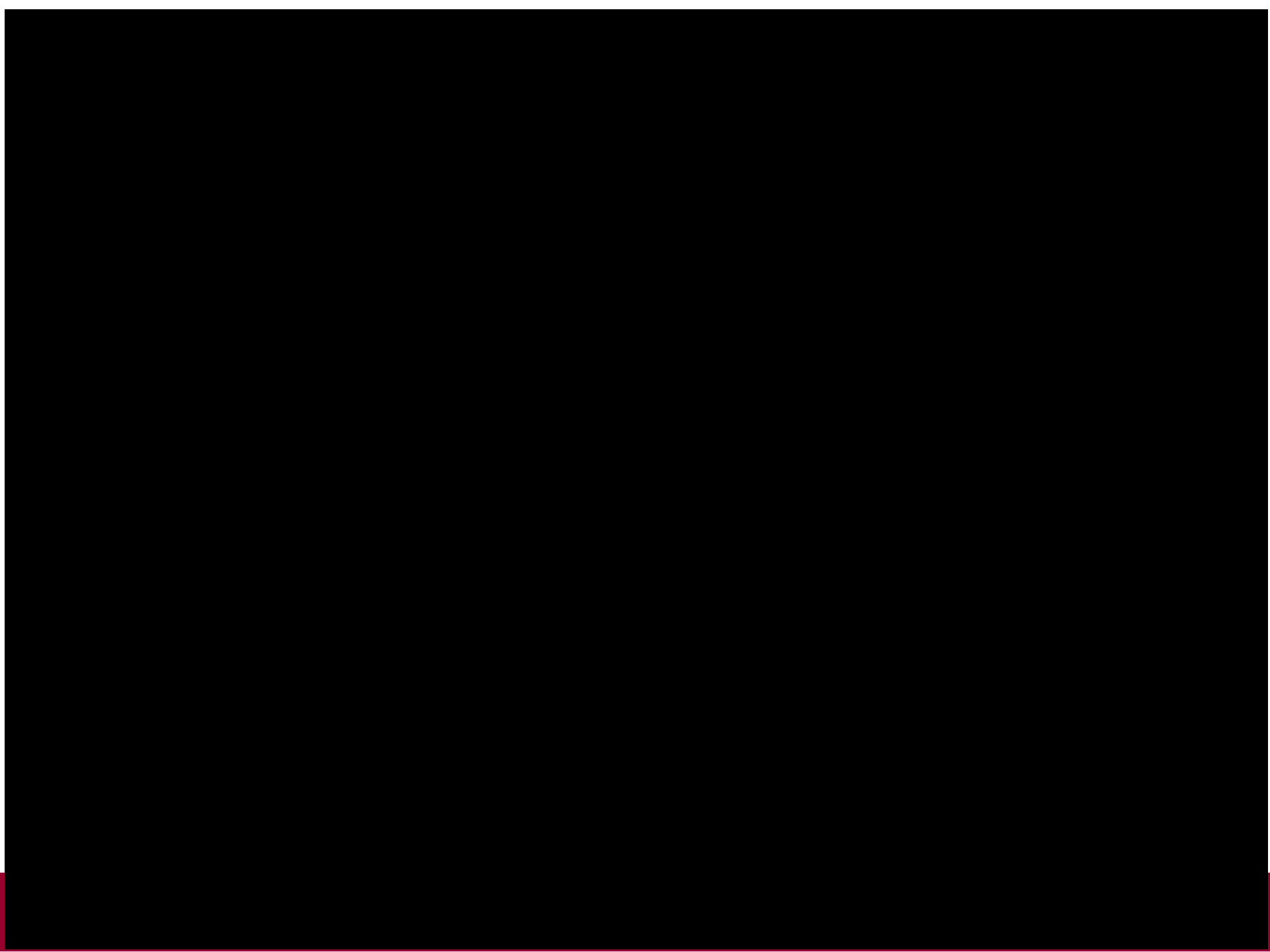






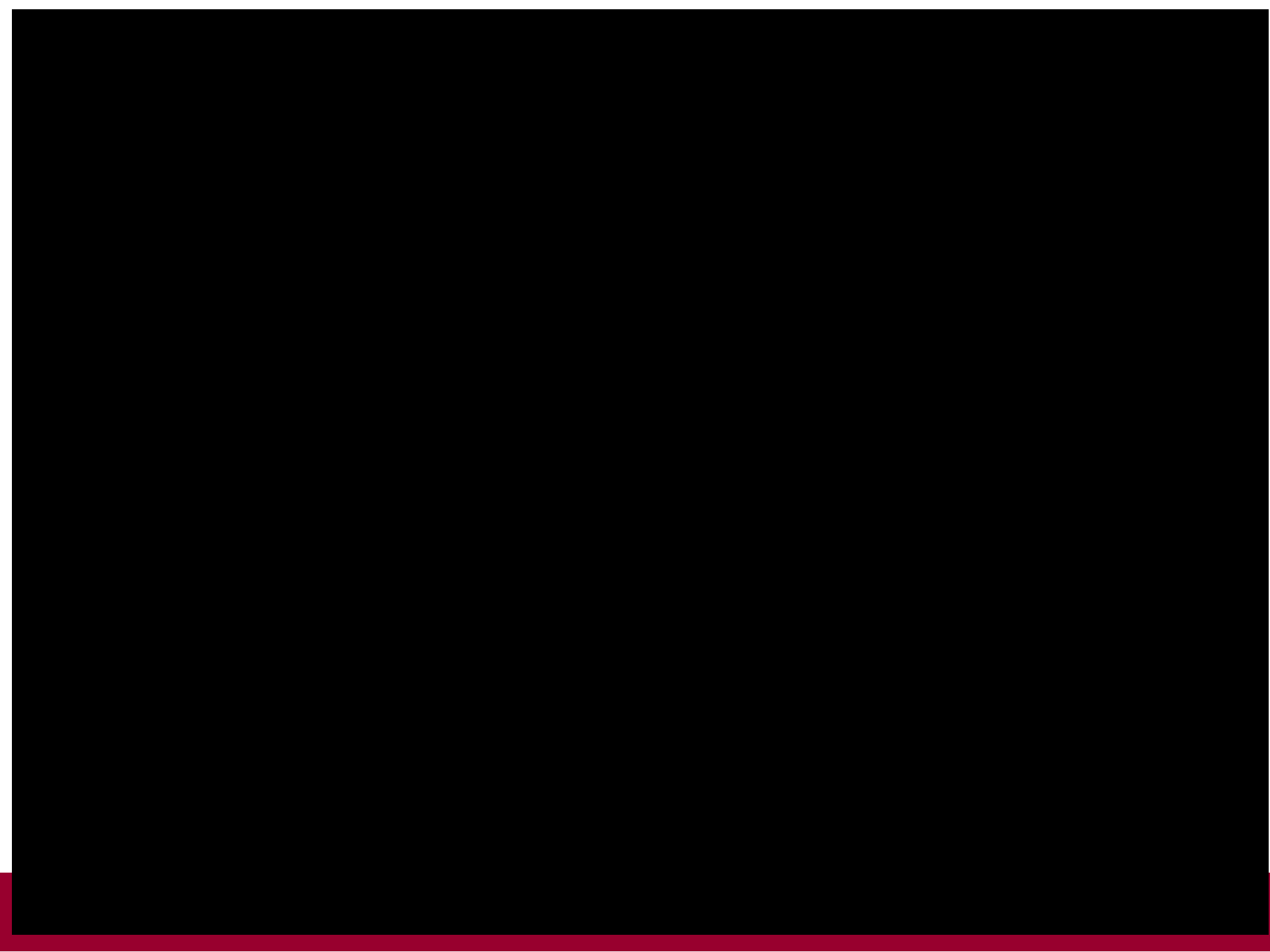






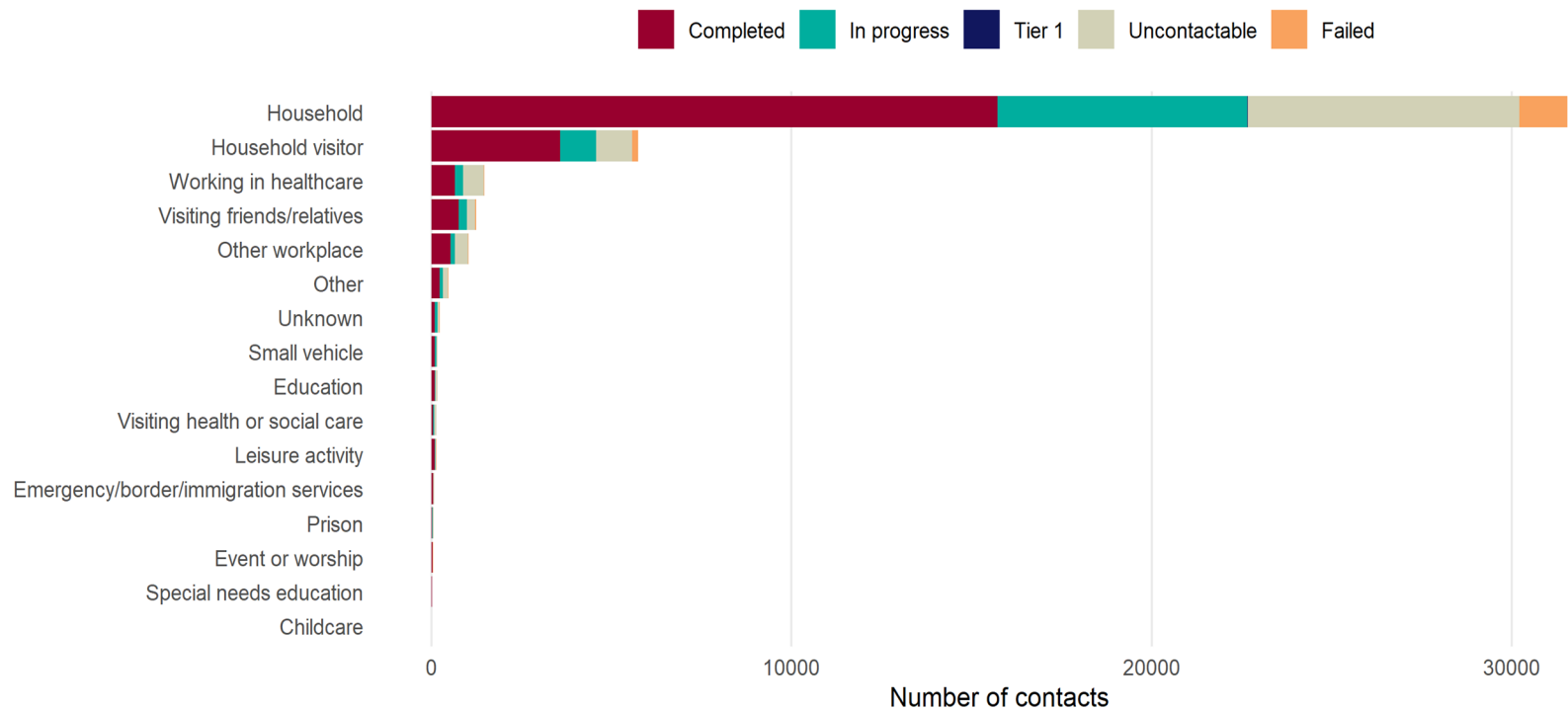






Contact tracing

Contacts by exposure/activity setting and current contact tracing outcome (NHS Test and Trace), England

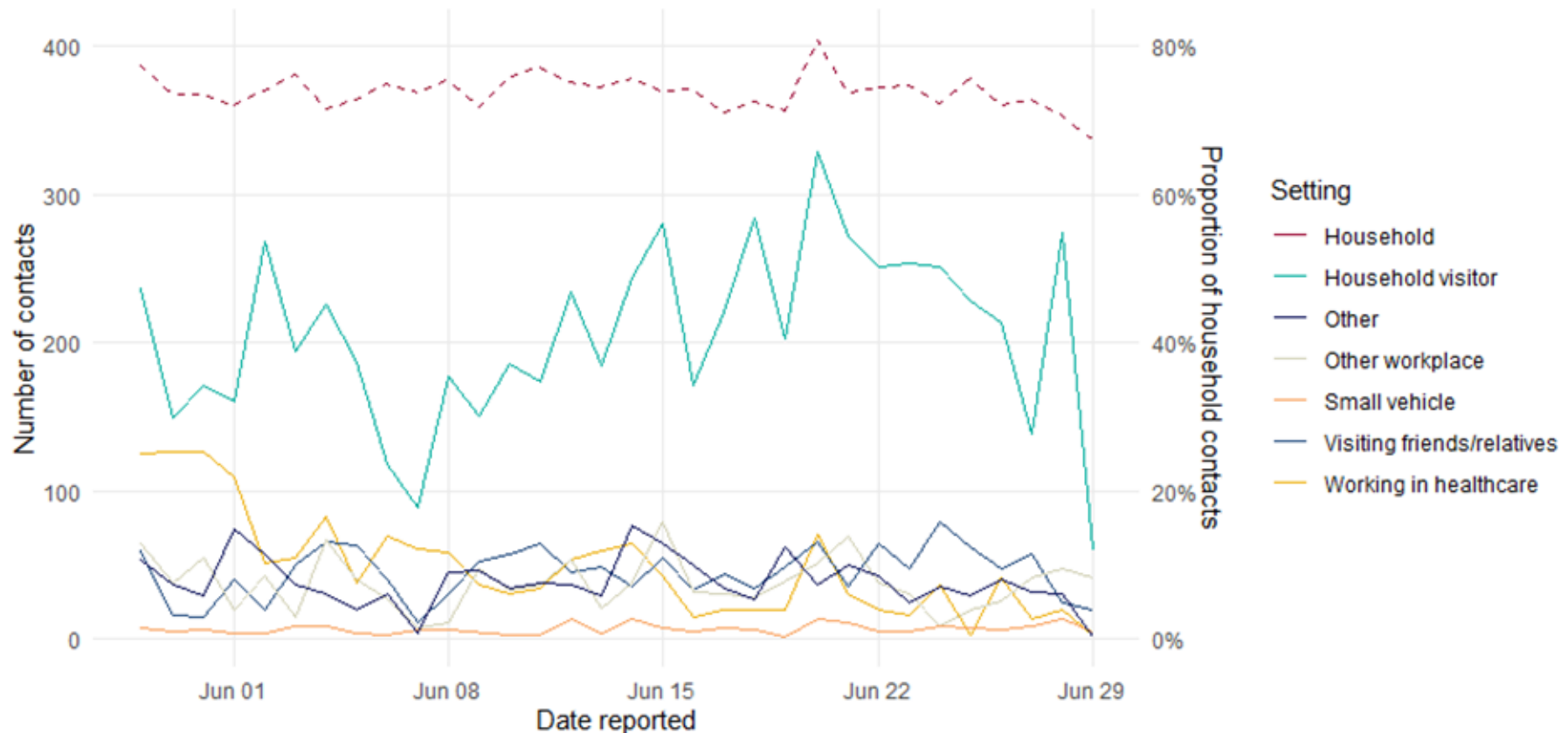


Source: NHS Test and Trace web tool, data reported 25/06/2020 15:12

Cumulative: total since 28/05/2020

Contacts of confirmed cases by exposure setting, England (NHS Test and Trace)

Proportion of household contacts, and numbers in other settings

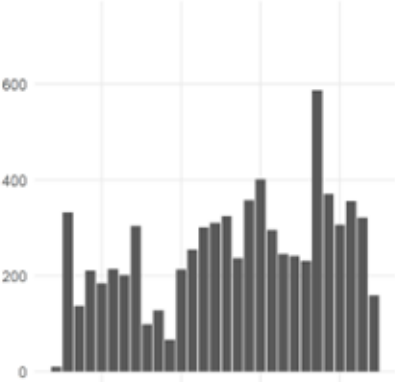


Source: NHS Test and Trace web tool, data reported 25/06/2020 15:12

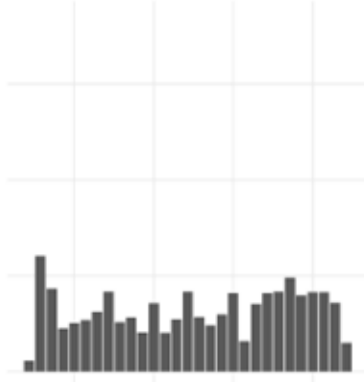
Cumulative: total since 28/05/2020

Numbers of contacts of confirmed cases, England (NHS Test and Trace)

East Midlands



East of England



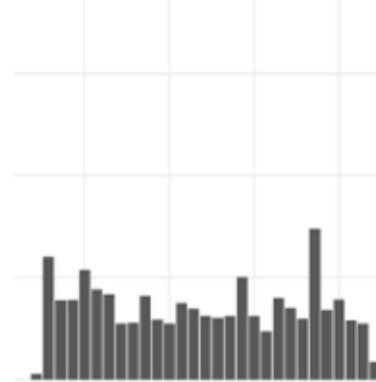
London



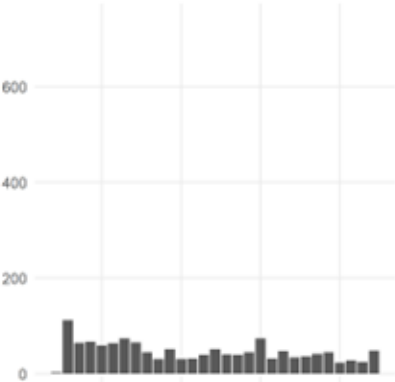
South West



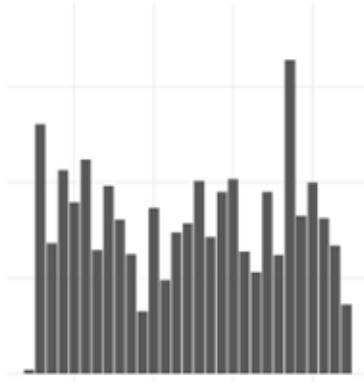
West Midlands



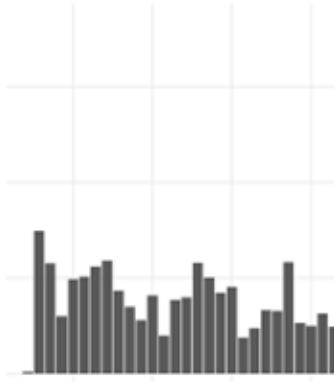
North East



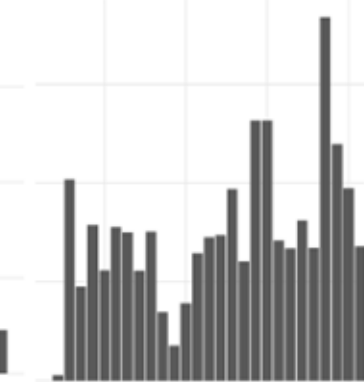
North West

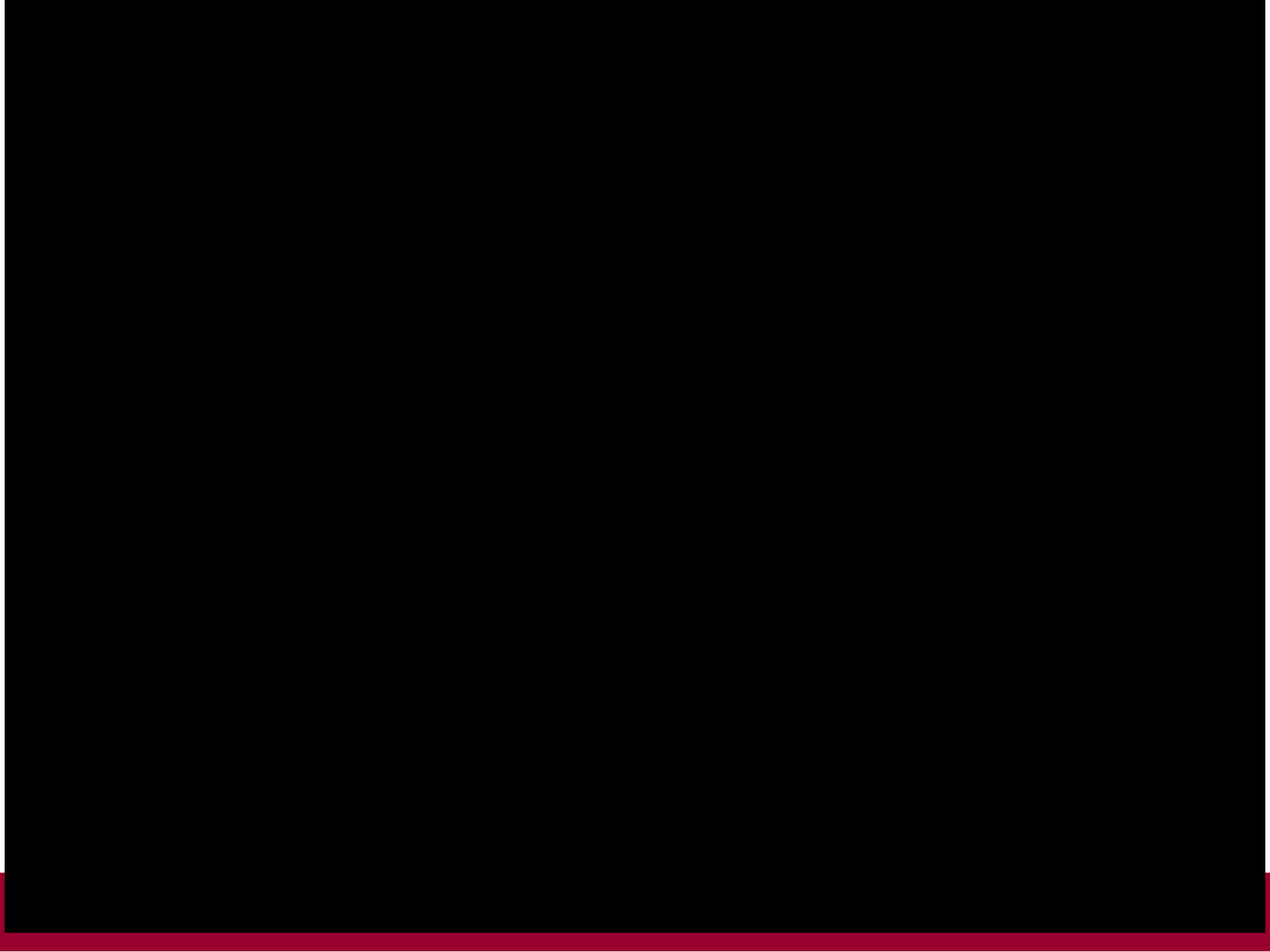


South East



Yorkshire and Humber







COVID-19: nowcast and forecast

Updated findings 06/07/2020

- We have revised last week's estimate of the number of infections arising each day across England from 3,000 (1,500–5,800, 95% credible interval) to 5,300 (3,500–7,600, 95% credible interval). Over the last week there is no evidence of any further change in the number of daily new infections with the current estimate being 5,300 (3,000–9,000, 95% credible interval).
- We predict that the number of deaths each day is likely to be between 70 and 135 by the third week of July.
- We estimate it is likely that R_t is below 1 in most regions of England.
- The North East & Yorkshire has the highest probability (50%) that R_t is above 1, while for the East of England it is 47%. This probability has increased significantly in each region, though it remains very low for the South West.
- The data used are only weakly informative on R_t over the last two weeks. Therefore, the now-cast for current incidence and the forecast of deaths are quite uncertain.

Source: <https://www.mrc-bsu.cam.ac.uk/now-casting/>

Current Rt

- Updated findings 06/07/2020
- Value of Rt, the average number of secondary infections due to a typical infection today.

Region	Median	95% CrI (lower)	95% CrI (upper)
East of England	0.99	0.75	1.27
London	0.92	0.69	1.17
Midlands	0.95	0.76	1.16
North East and Yorkshire	1.00	0.77	1.27
North West	0.93	0.73	1.17
South East	0.96	0.72	1.20
South West	0.82	0.58	1.11

Change in infections incidence

- Updated findings 06/07/2020
- negative growth rates are rates of decline. Values are daily changes.

Region	Median	95% CrI (lower)	95% CrI (upper)
England	0.00	-0.02	0.03
East of England	0.00	-0.06	0.05
London	-0.02	-0.08	0.03
Midlands	-0.01	-0.06	0.03
North East and Yorkshire	0.00	-0.06	0.04
North West	-0.02	-0.06	0.03
South East	-0.01	-0.06	0.04
South West	-0.04	-0.11	0.02

Sources of data and signposting

Internal reports/updates

- Weekly COVID19_Epidemiological Internal Update report
- COVID-19 Exceedance Daily Review
- All regions PHE Situations of Interest daily update
- PHE NHS Test and Trace: Weekly Contact Tracing Report
- PHE Daily Care Home Report
- PHE Educational settings weekly report for NERVTAG
- [COVID-19: nowcast and forecast](#)

Published reports

- [Weekly Coronavirus Disease 2019 \(COVID-19\) Surveillance Report](#)
- [COVID-19: number of outbreaks in care homes – management information](#)



Data sources

Second Generation Surveillance System (SGSS)

Data as of 06/07/2020 00:00hrs

Laboratory-confirmed cases reported to PHE. SGSS data is further deduplicated and cleaned by the PHE ICC Epidemiology Cell. The dataset includes all positive COVID-19 cases reported through both Pillar 1 and Pillar 2 testing. Numbers in most recent days may rise due to potential delays to data reporting and validation. The number of confirmed cases reflects both the incidence of infection and testing rates.

PHE Unified Sample Dataset (USD)

Data as of 07/07/2020 00:00hrs

Data on individuals testing negative for SARS-CoV2 in both Pillar 1 and 2. This data is deduplicated to only include one record for any individual who has had only negative samples

HPZone case and incident management system

Data as of 07/07/2020 08:00hrs

Only outbreaks reported to PHE are included. Absolute numbers should be interpreted with caution. Reporting practice is known to vary with time and geography. Community outbreaks exclude outbreaks reported from secondary care and care home settings.