



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 27/11/2020 up to midnight 10/12/2020

	Number	Percent
Total number of confirmed cases	3,869	
National incidence of confirmed cases per 100,000 population	81.25	
Number of cases hospitalised*	221	5.71
Number of cases admitted to ICU*	12	0.31
Number of deaths among confirmed cases	17	0.44
Case fatality ratio (CFR, %)	0.44	
National incidence of confirmed deaths per 100,000 population	0.36	
Number of cases** associated with clusters	1,589	41.07
Number of imported cases	14	0.36
Number of cases in healthcare workers	475	12.28
Males	1,891	48.88
Females	1,969	50.89
M:F ratio	0.96	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 102	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

**Cases may be associated with outbreaks notified outside the timeframe of this report
27/11/2020 - 10/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:50 on 11/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

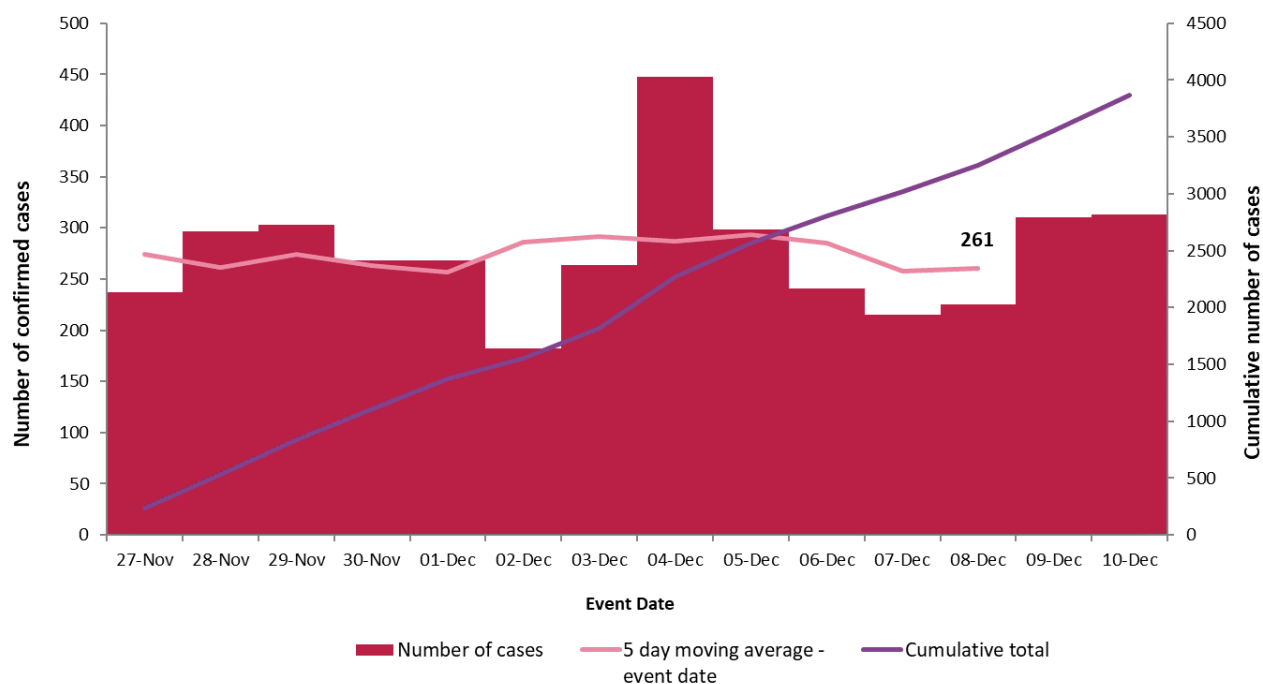


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,869)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 27/11/2020 up to midnight on 10/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,869	100
Sex	Male:Female ratio	0.96	
	Male	1,891	48.88
	Female	1,969	50.89
	Unknown	9	0.23
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	182	4.7
	5-12 yrs	388	10.03
	13-18 yrs	301	7.78
	19-24 yrs	379	9.8
	25-34 yrs	618	15.97
	35-44 yrs	610	15.77
	45-54 yrs	539	13.93
	55-64 yrs	360	9.3
	65-74 yrs	207	5.35
	75-84 yrs	160	4.14
	85+ yrs	125	3.23
Underlying clinical conditions	Yes	1,185	30.63
	No	2,172	56.14
	Unknown	512	13.23
Symptom status at time of test*	Yes	2,312	59.76
	No	970	25.07
	Unknown	587	15.17

*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 27/11/2020 to midnight 10/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	543	138.8
CHO2	327	72.2
CHO3	318	82.6
CHO4	172	24.9
CHO5	508	99.5
CHO6	465	121.4
CHO7	452	63.9
CHO8	484	78.2
CHO9	600	96.6
Unknown	0	
Total	3,869	81.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 27/11/2020 to midnight 10/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	366	229.9
Kilkenny	193	194.5
Louth	206	159.8
Carlow	89	156.3
Monaghan	85	138.5
Limerick	243	124.7
Wicklow	167	117.3
Longford	47	115.0
Mayo	129	98.8
Dublin	1229	91.2
Waterford	95	81.8
Cavan	61	80.1
Tipperary	126	79.0
Laois	56	66.1
Offaly	50	64.1
Galway	164	63.6
Kildare	121	54.4
Roscommon	34	52.7
Meath	99	50.8
Sligo	26	39.7
Clare	41	34.5
Westmeath	25	28.2
Wexford	40	26.7
Cork	142	26.2
Kerry	30	20.3
Leitrim	5	15.6
Total	3,869	81.2

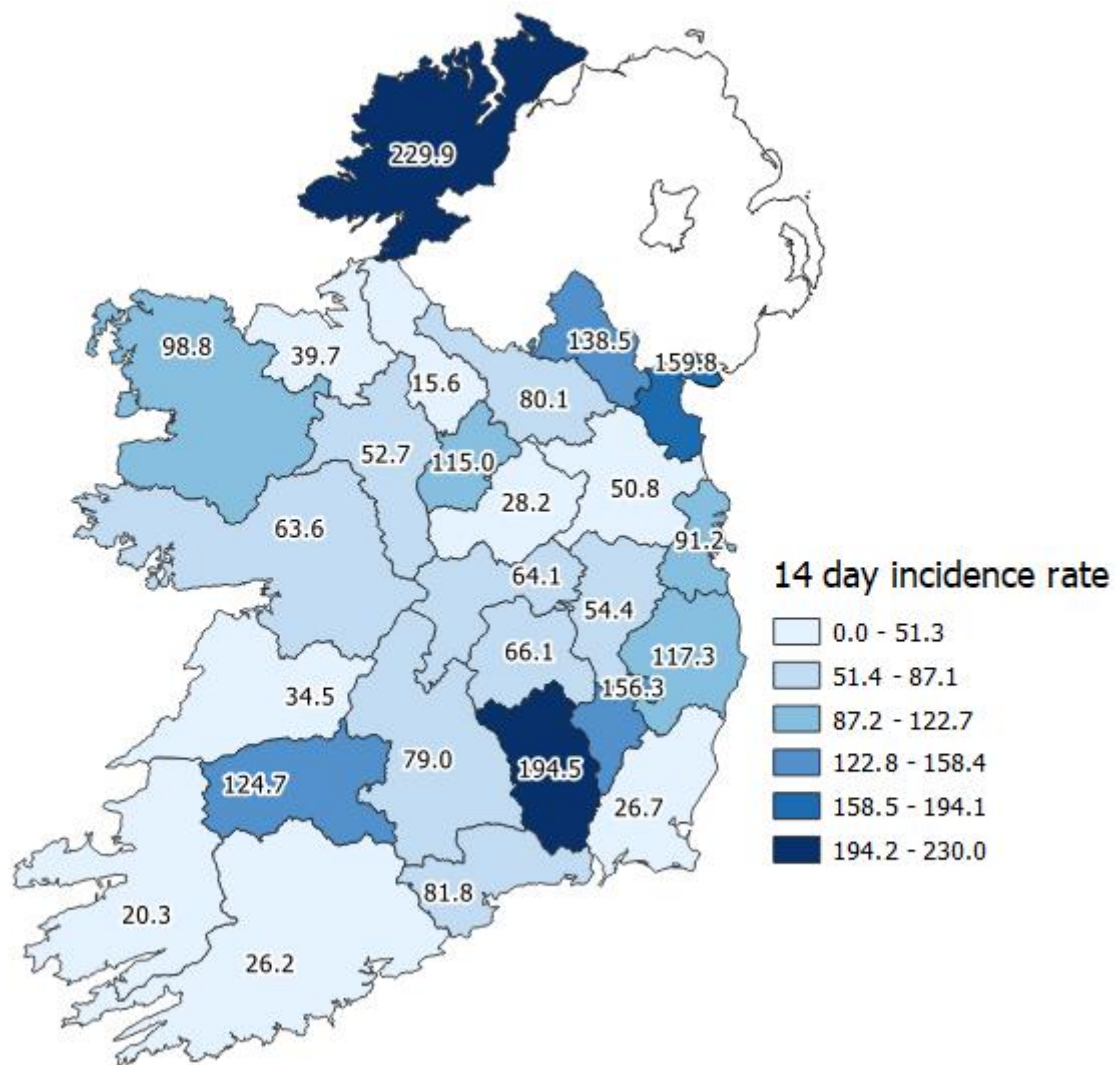


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/11/2020 and 10/12/2020

Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified in Ireland with a notification date between 27/11/2020 and 10/12/2020

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification dates
CCA1	Dublin South	101	74.2
CCA2	Dublin South East	199	160.9
CCA3	Dublin South City	97	64.7
CCA4	Dublin South West	112	69.6
CCA5	Dublin West	120	77.2
CCA6	Dublin North West	202	97.3
CCA7	Dublin North Central	200	129.4
CCA8	Dublin North	198	76.4
Dublin		1,229	91.2

Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs.

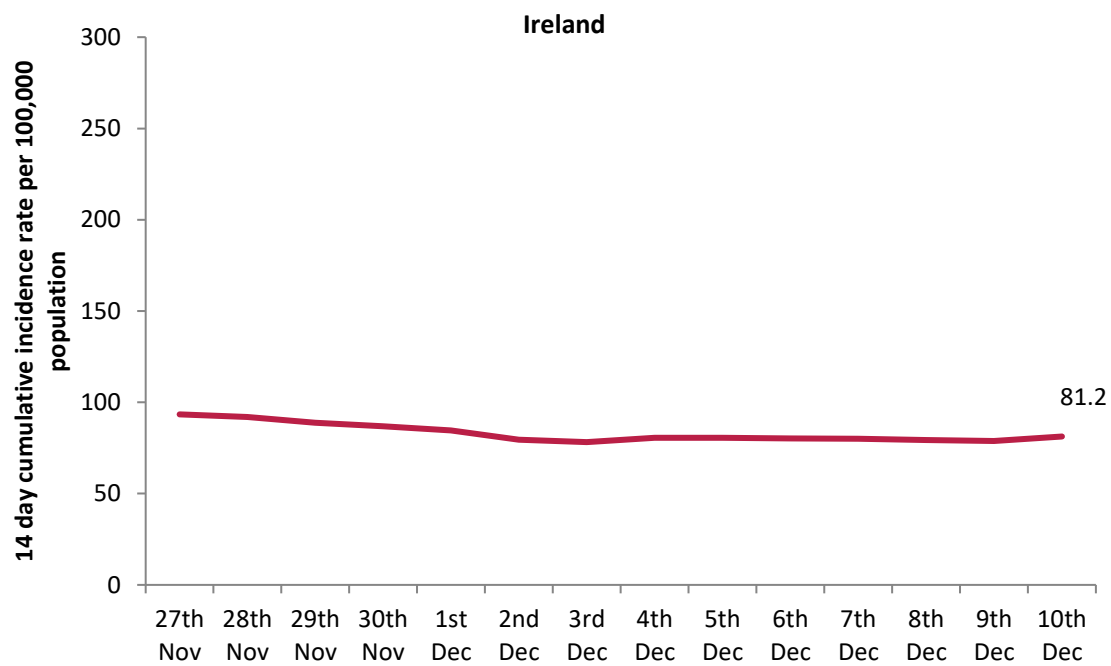


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (27/11/2020 to 10/12/2020)

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 4 of this report

Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 27/11/2020 to midnight 10/12/2020

Most likely transmission source	Number of cases	Percent
Travel related *	71	1.84%
Close contact with a known confirmed case	1949	50.37%
Healthcare setting acquired: patient	271	7.00%
Healthcare setting acquired: staff	242	6.25%
Community transmission	747	19.31%
Under investigation	589	15.22%
Total	3869	100.00%

*Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 27/11/2020 to midnight 10/12/2020 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	182	3	1.36	0	0
5-12 yrs	388	3	1.36	0	0
13-18 yrs	301	5	2.26	0	0
19-24 yrs	379	3	1.36	0	0
25-34 yrs	618	19	8.60	1	8.33
35-44 yrs	610	11	4.98	3	25
45-54 yrs	539	21	9.50	2	16.67
55-64 yrs	360	28	12.67	1	8.33
65-74 yrs	207	51	23.08	1	8.33
75-84 yrs	160	48	21.72	4	33.33
85+ yrs	125	29	13.12	0	0
Total	3,869	221	100	12	100

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days.

Acknowledgements

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, public health doctors, nurses, surveillance scientists, microbiologists and administrative staff.

Report prepared by COVID-19 Epidemiology Team, HPSC

Technical Notes

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:50 on 12/11/20. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

2. Epidemiological date

Epidemiological date is derived from the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and event creation/notification date.

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

3. Transmission classification

Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CIDR. Transmission is classified as 'unknown' due to incomplete data on CIDR.

Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

WHO definition of transmission classification is specified below:

- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

4. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

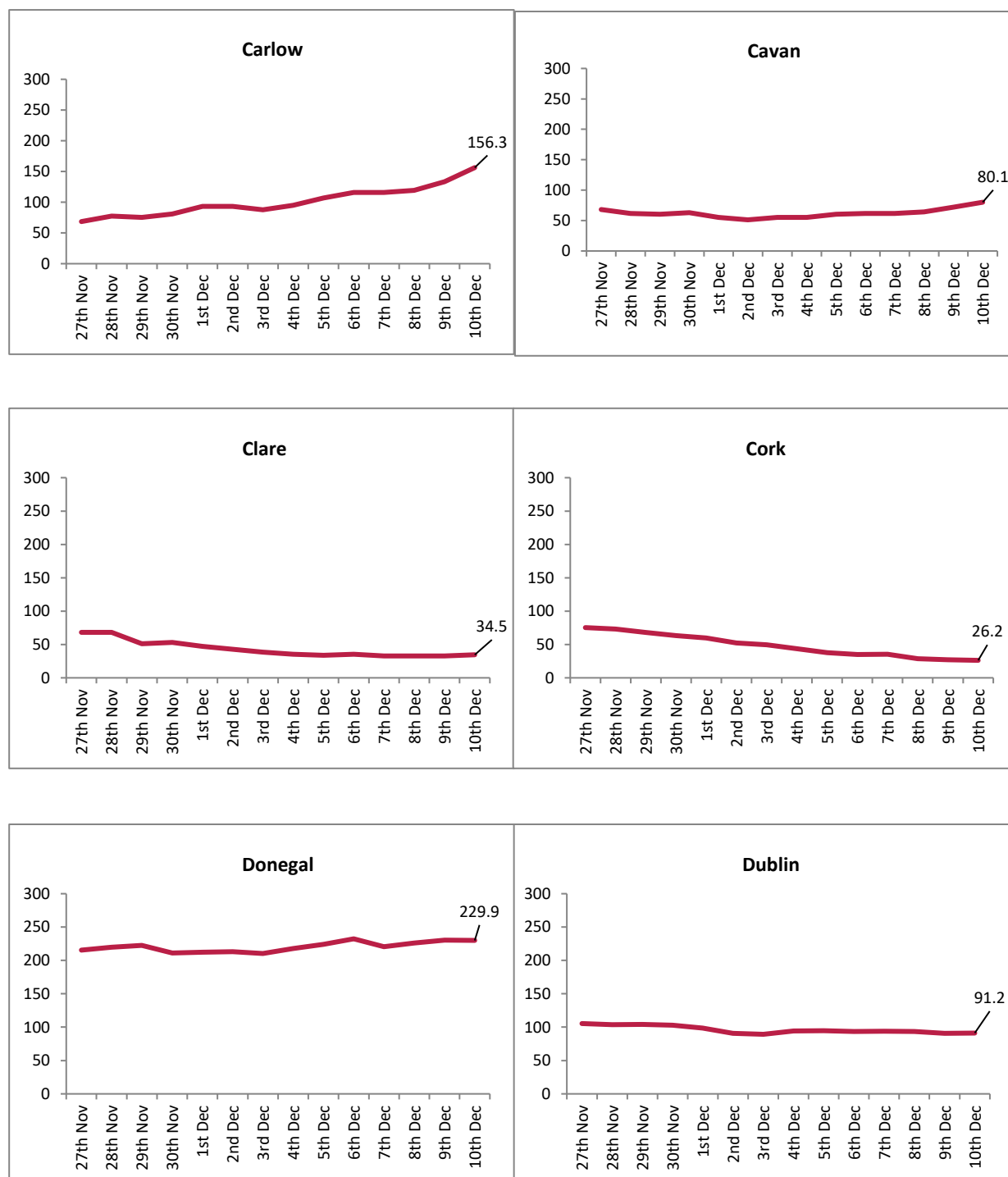
5. Outbreak location

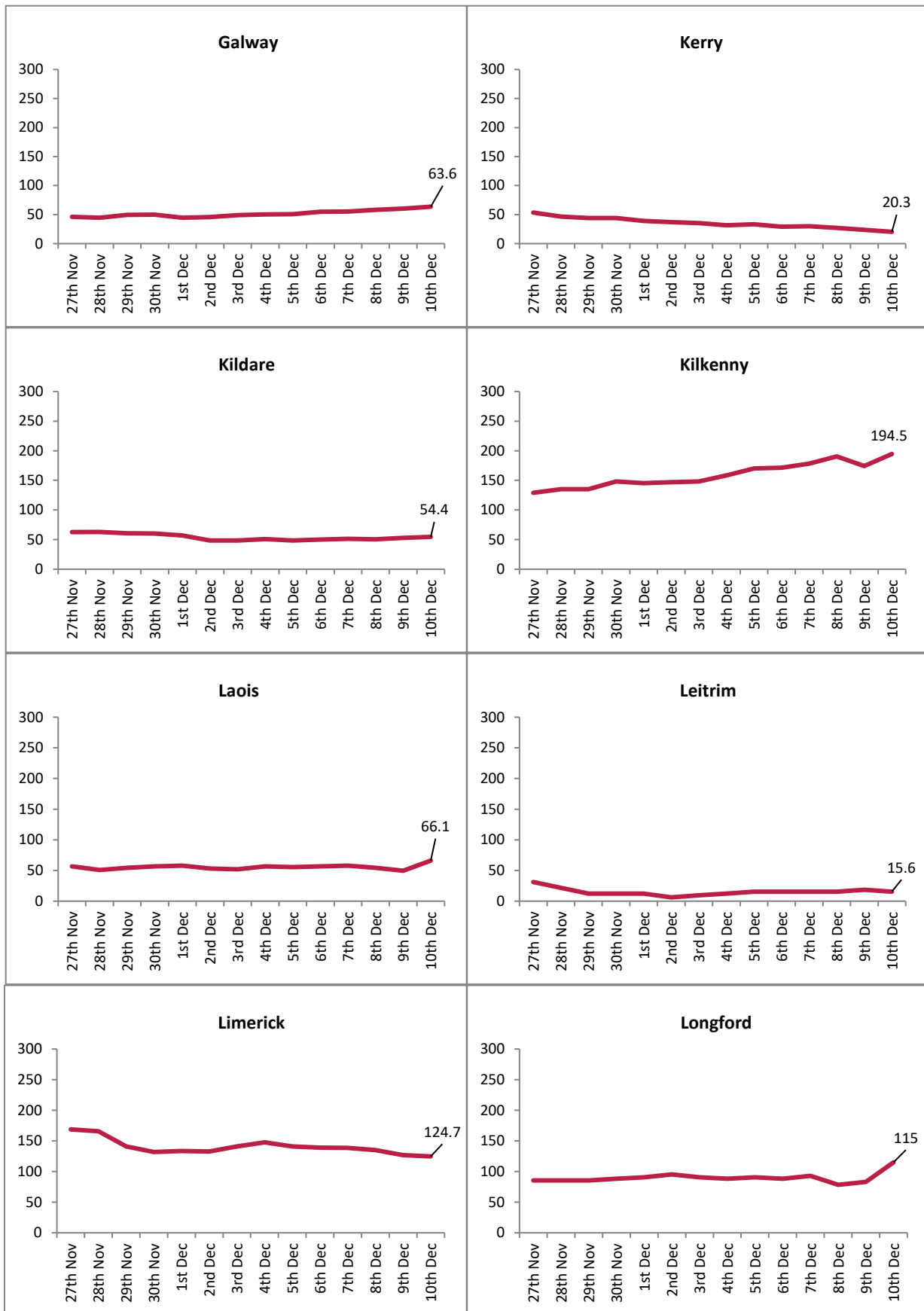
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

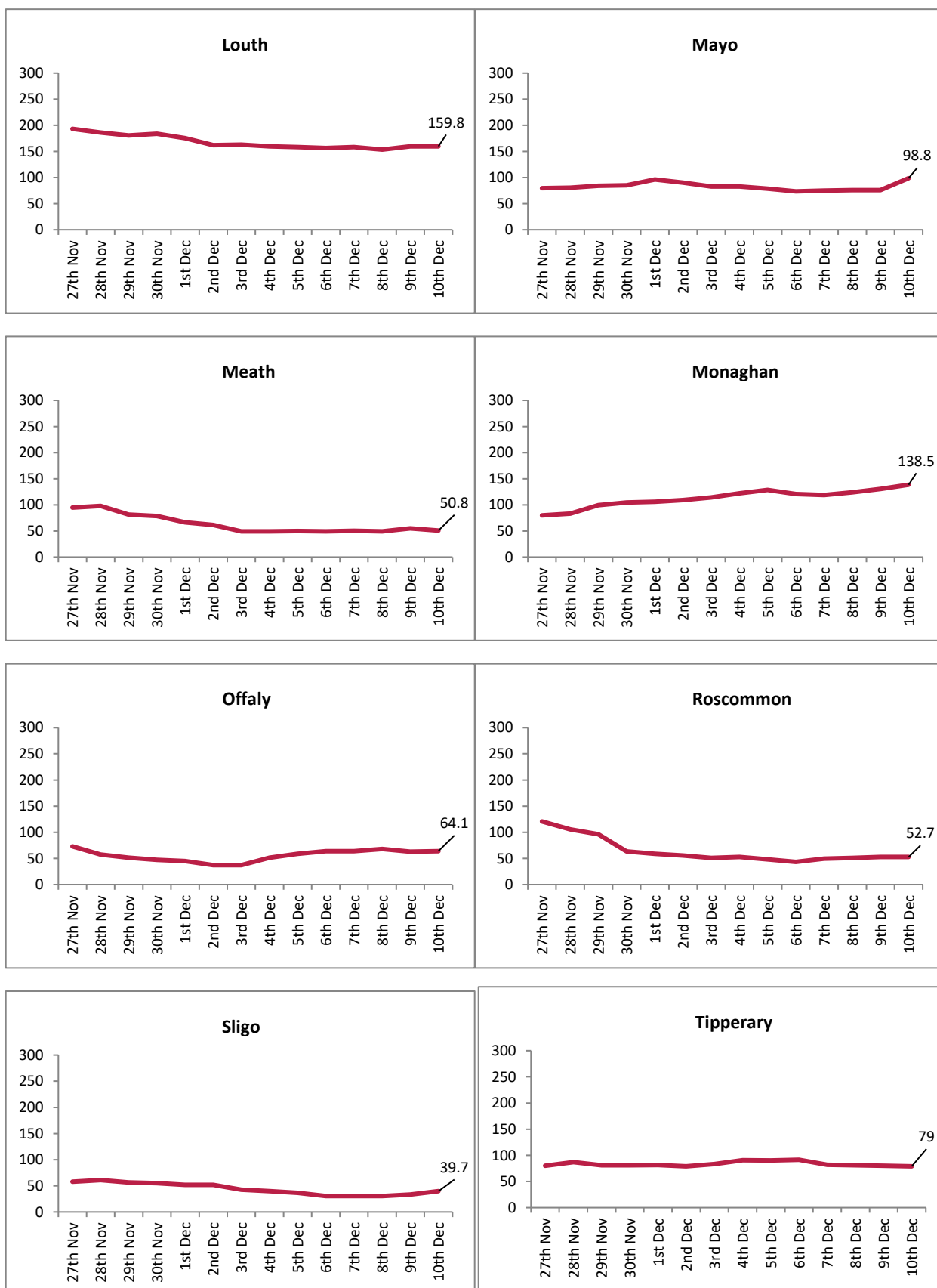
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (27/11/2020 to 10/12/2020)







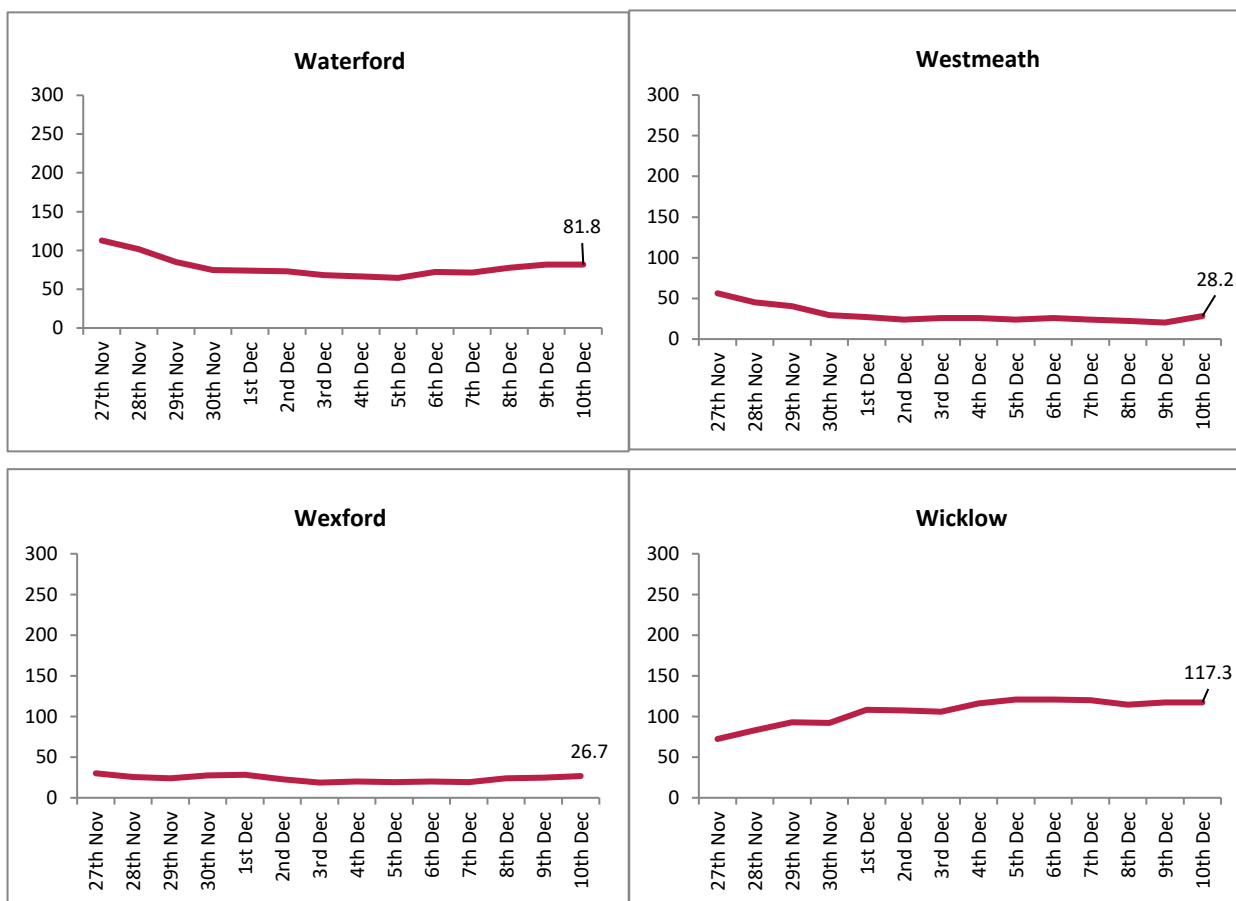


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (27/11/2020 to 10/12/2020)

