



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/11/2020 up to midnight 06/12/2020

	Number	Percent
Total number of confirmed cases	3,830	
National incidence of confirmed cases per 100,000 population	80.43	
Number of cases hospitalised*	231	6.03
Number of cases admitted to ICU*	11	0.29
Number of deaths among confirmed cases	13	0.34
Case fatality ratio (CFR, %)	0.34	
National incidence of confirmed deaths per 100,000 population	0.27	
Number of cases** associated with clusters	1,280	33.42
Number of imported cases	7	0.18
Number of cases in healthcare workers	471	12.3
Males	1,887	49.27
Females	1,931	50.42
M:F ratio	0.98	
Median age (years)	35	
Mean age (years)	38	
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
23/11/2020 - 06/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:43 on 07/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

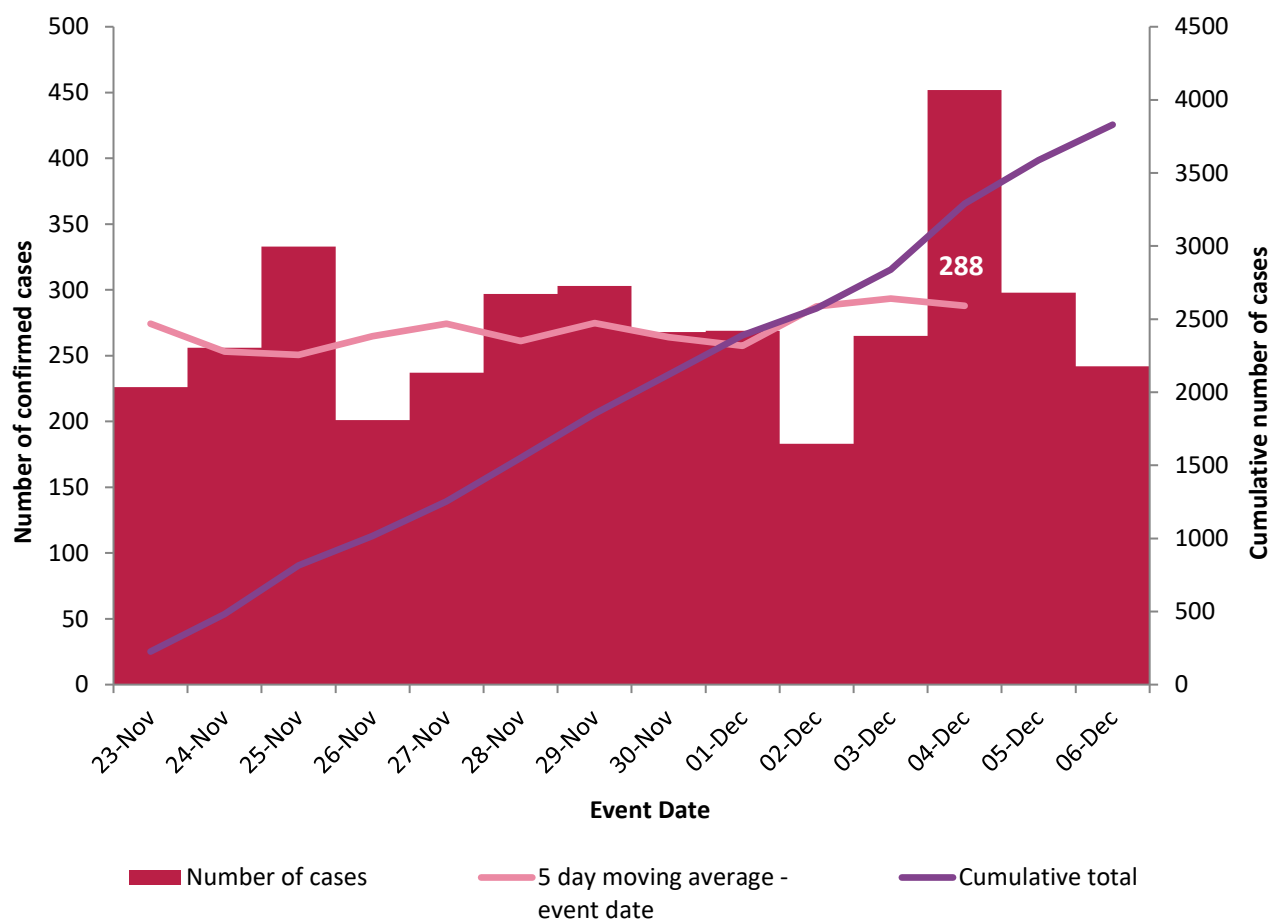


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,830)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 23/11/2020 up to midnight on 06/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,830	100
Sex	Male:Female ratio	0.98	
	Male	1,887	49.27
	Female	1,931	50.42
	Unknown	12	0.31
Age	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 102	
	0-4 yrs	176	4.6
	5-12 yrs	371	9.69
	13-18 yrs	312	8.15
	19-24 yrs	415	10.84
	25-34 yrs	586	15.3
	35-44 yrs	586	15.3
	45-54 yrs	521	13.6
	55-64 yrs	339	8.85
	65-74 yrs	205	5.35
	75-84 yrs	183	4.78
	85+ yrs	135	3.52
	Unknown	1	0.03
Underlying clinical conditions	Yes	1,136	29.66
	No	2,135	55.74
	Unknown	559	14.6
Symptom status at time of test*	Yes	2,224	58.07
	No	964	25.17
	Unknown	642	16.76

*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 23/11/2020 to midnight 06/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	516	131.9
CHO2	266	58.7
CHO3	350	90.9
CHO4	233	33.7
CHO5	460	90.1
CHO6	477	124.5
CHO7	461	65.1
CHO8	457	73.8
CHO9	610	98.2
Unknown	0	
Total	3,830	80.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 23/11/2020 to midnight 06/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	370	232.4
Kilkenny	171	172.3
Louth	202	156.7
Limerick	271	139.0
Monaghan	74	120.5
Wicklow	168	118.0
Carlow	67	117.7
Dublin	1269	94.2
Tipperary	145	90.9
Longford	36	88.1
Mayo	96	73.6
Waterford	85	73.2
Offaly	51	65.4
Cavan	47	61.7
Laois	47	55.5
Galway	142	55.0
Kildare	111	49.9
Meath	97	49.7
Roscommon	28	43.4
Clare	42	35.3
Cork	190	35.0
Sligo	20	30.5
Kerry	43	29.1
Westmeath	23	25.9
Wexford	30	20.0
Leitrim	5	15.6
Total	3,830	80.4

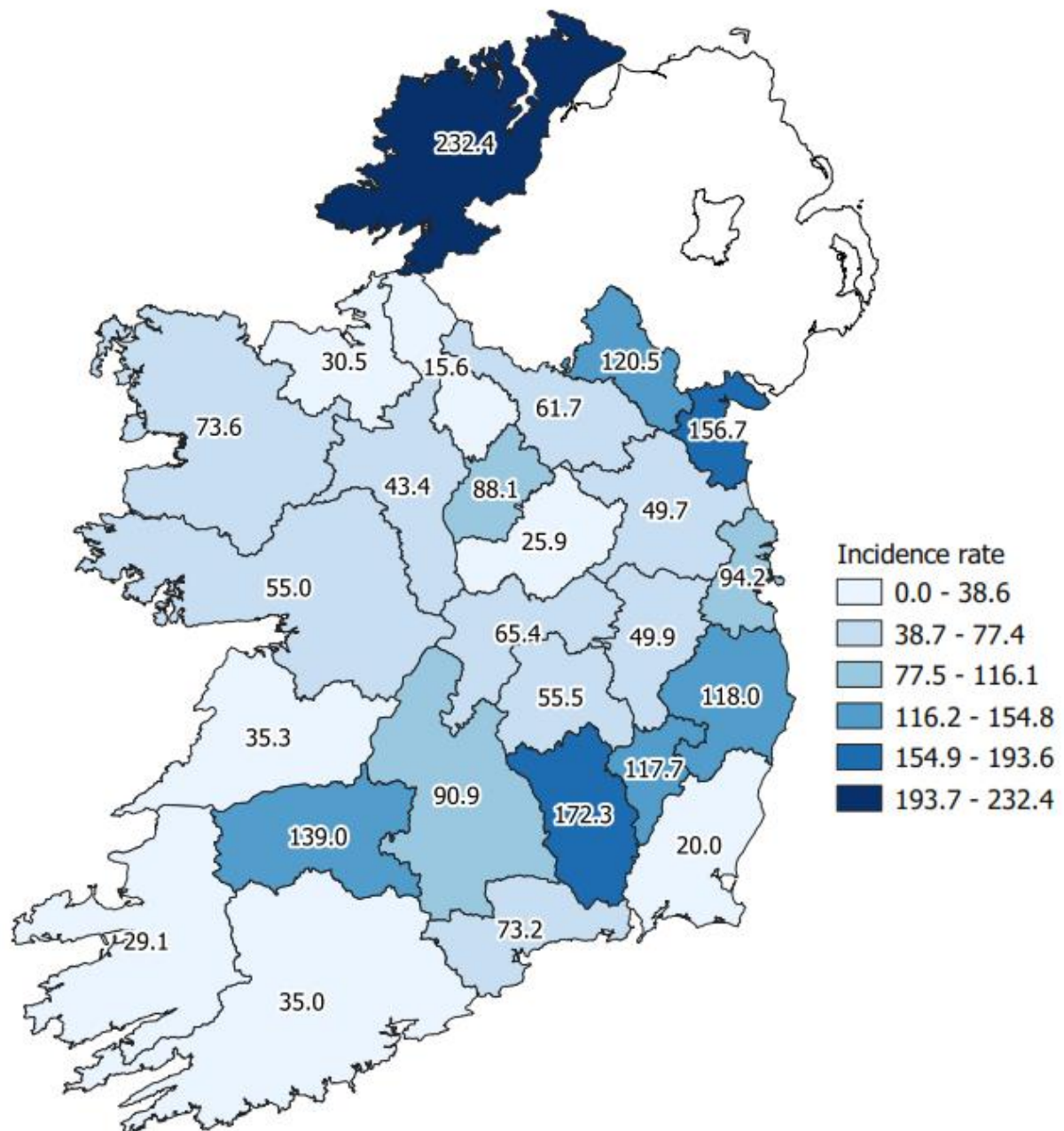


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 23/11/2020 and 06/12/2020

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 23/11/2020 and 06/12/2020

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	112	82.3
CCA2	Dublin South East	199	160.9
CCA3	Dublin South City	95	63.4
CCA4	Dublin South West	129	80.2
CCA5	Dublin West	124	79.8
CCA6	Dublin North West	199	95.8
CCA7	Dublin North Central	207	133.9
CCA8	Dublin North	204	78.7
Dublin		1269	94.2

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.

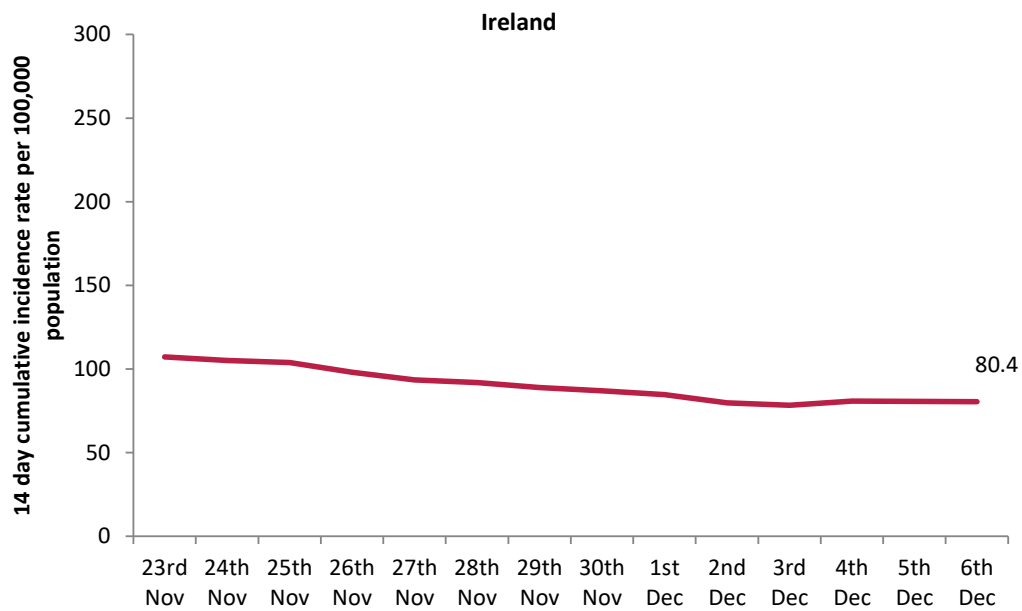


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (23/11/2020 to 06/12/2020)

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 23/11/2020 to midnight 06/12/2020 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	176	2	0.87	0	0
5-12 yrs	371	2	0.87	0	0
13-18 yrs	312	2	0.87	0	0
19-24 yrs	415	3	1.3	0	0
25-34 yrs	586	17	7.36	0	0
35-44 yrs	586	14	6.06	2	18.18
45-54 yrs	521	22	9.52	1	9.09
55-64 yrs	339	27	11.69	4	36.36
65-74 yrs	205	41	17.75	1	9.09
75-84 yrs	183	59	25.54	3	27.27
85+ yrs	135	42	18.18	0	0
Unknown	1			0	0
Total	3,830	231	100	11	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 09:43 on 07/12/2020. 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.

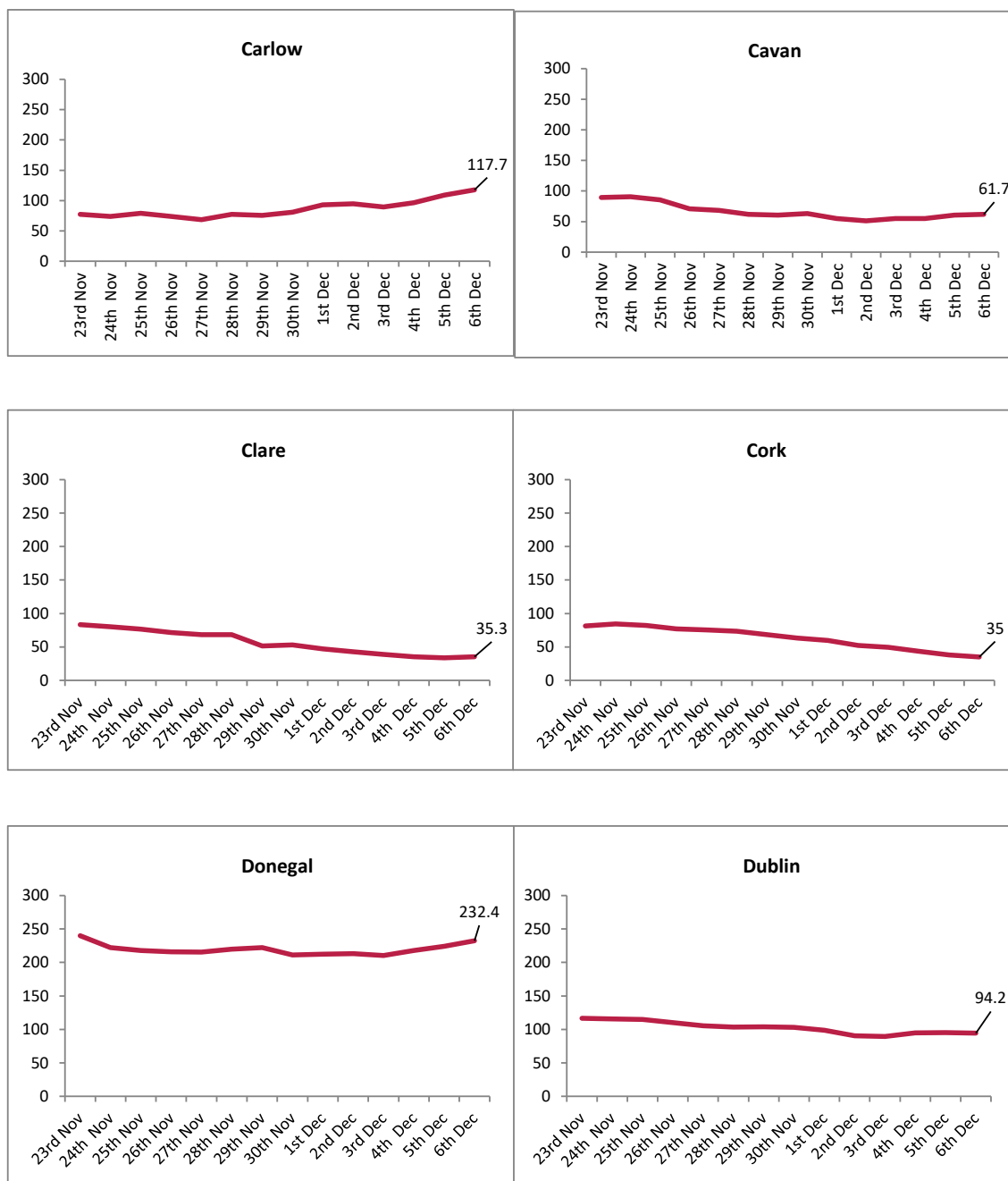
5. Outbreak location

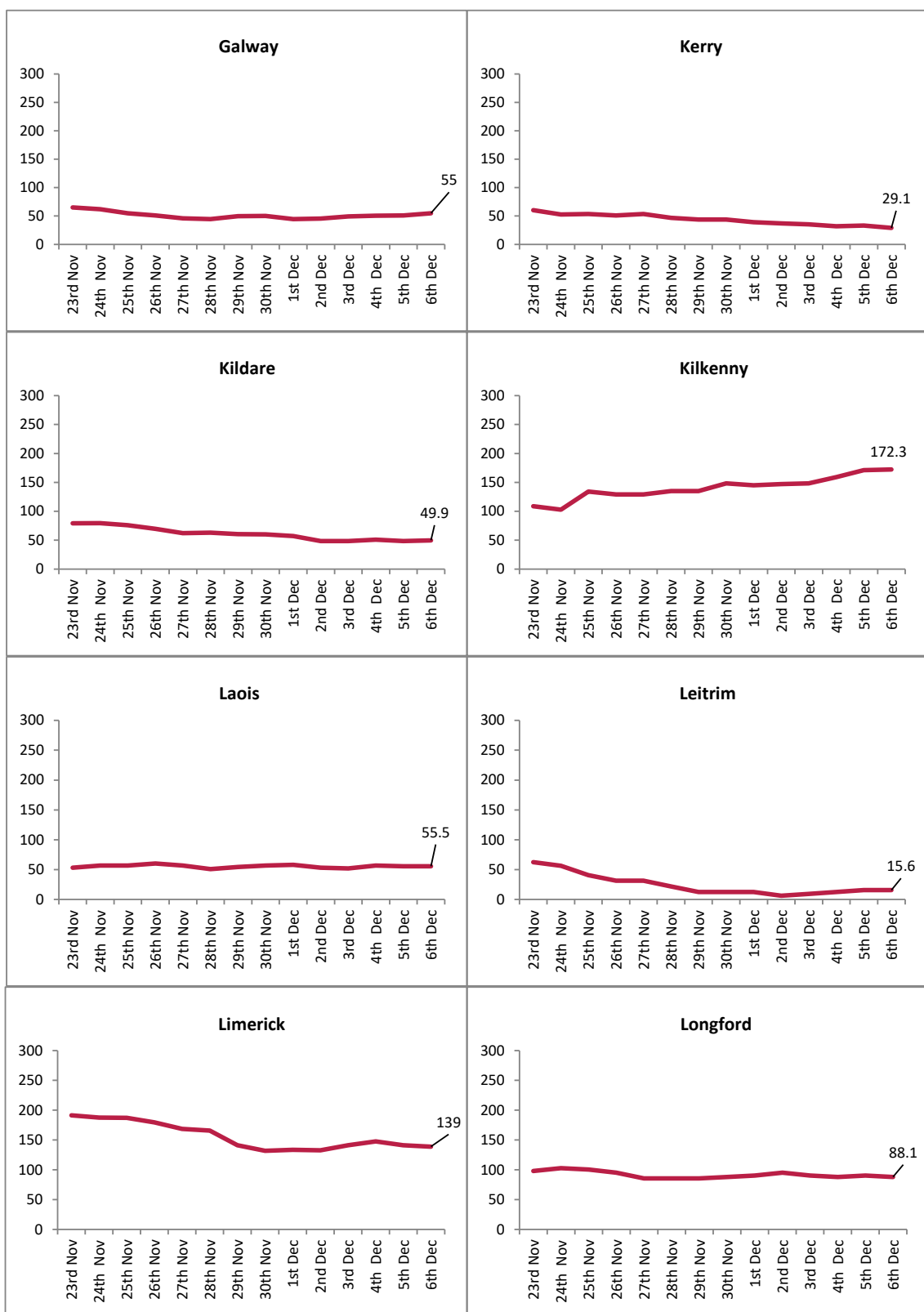
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

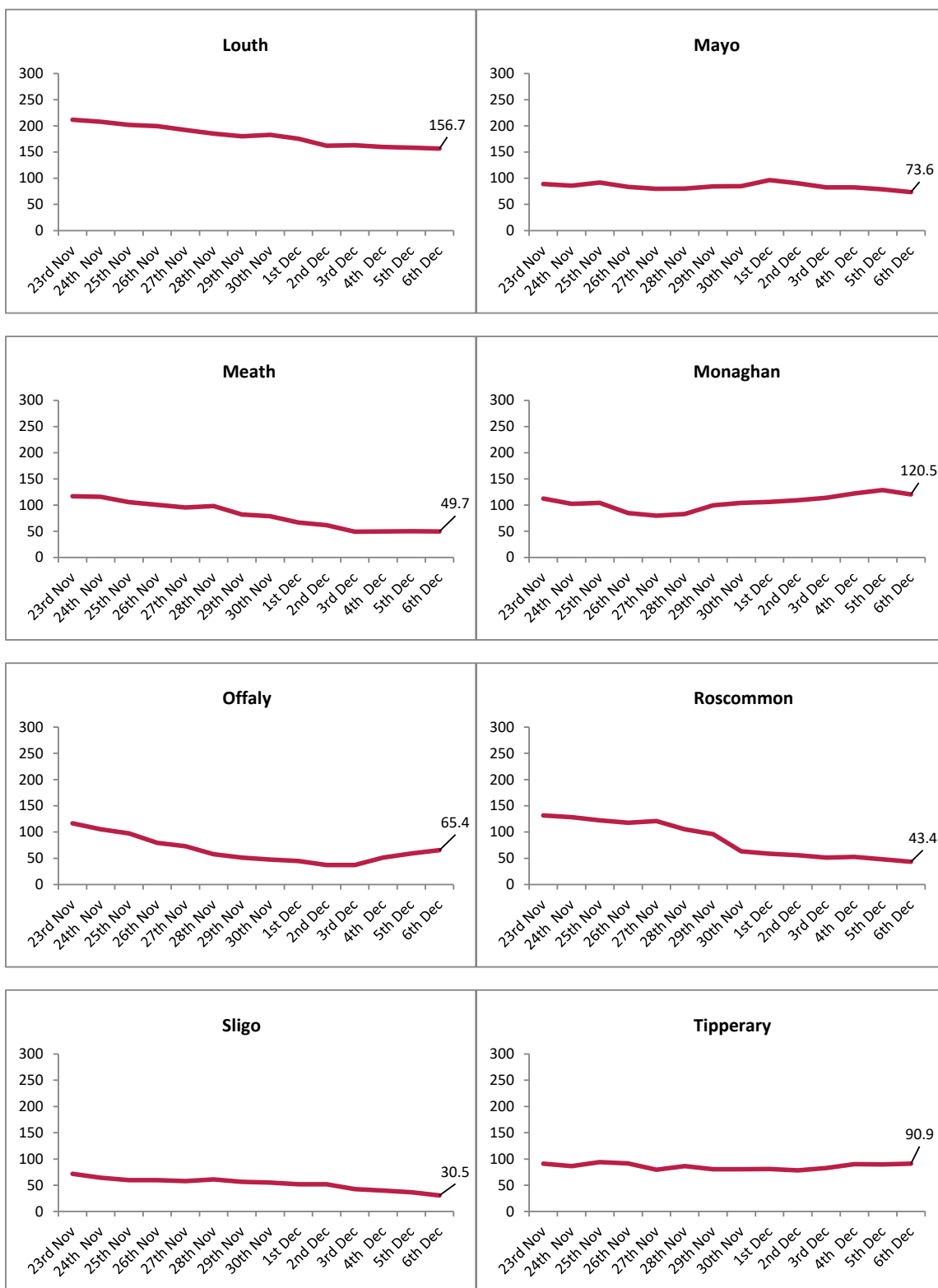
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (23/11/2020 to 06/12/2020)







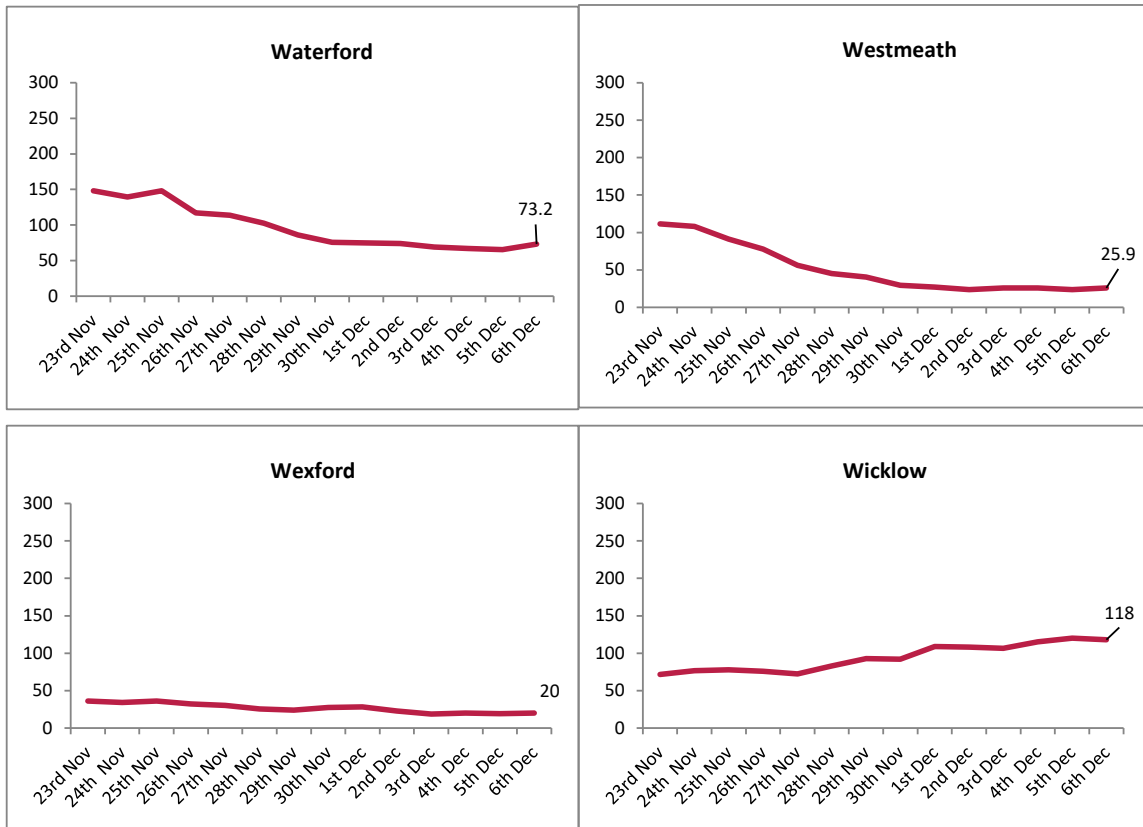


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (23/11/2020 to 06/12/2020)

