



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 23/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 09/11/2020 up to midnight 22/11/2020

	Number	Percent
Total number of confirmed cases	5,177	
National incidence of confirmed cases per 100,000 population	108.72	
Number of cases hospitalised*	340	6.57
Number of cases admitted to ICU*	12	0.23
Number of deaths among confirmed cases	18	0.35
Case fatality ratio (CFR, %)	0.35	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	1,911	36.91
Number of imported cases	6	0.12
Number of cases in healthcare workers	665	12.85
Males	2,464	47.6
Females	2,702	52.19
M:F ratio	0.91	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 108	

* 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
09/11/2020 - 22/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:21 on 23/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

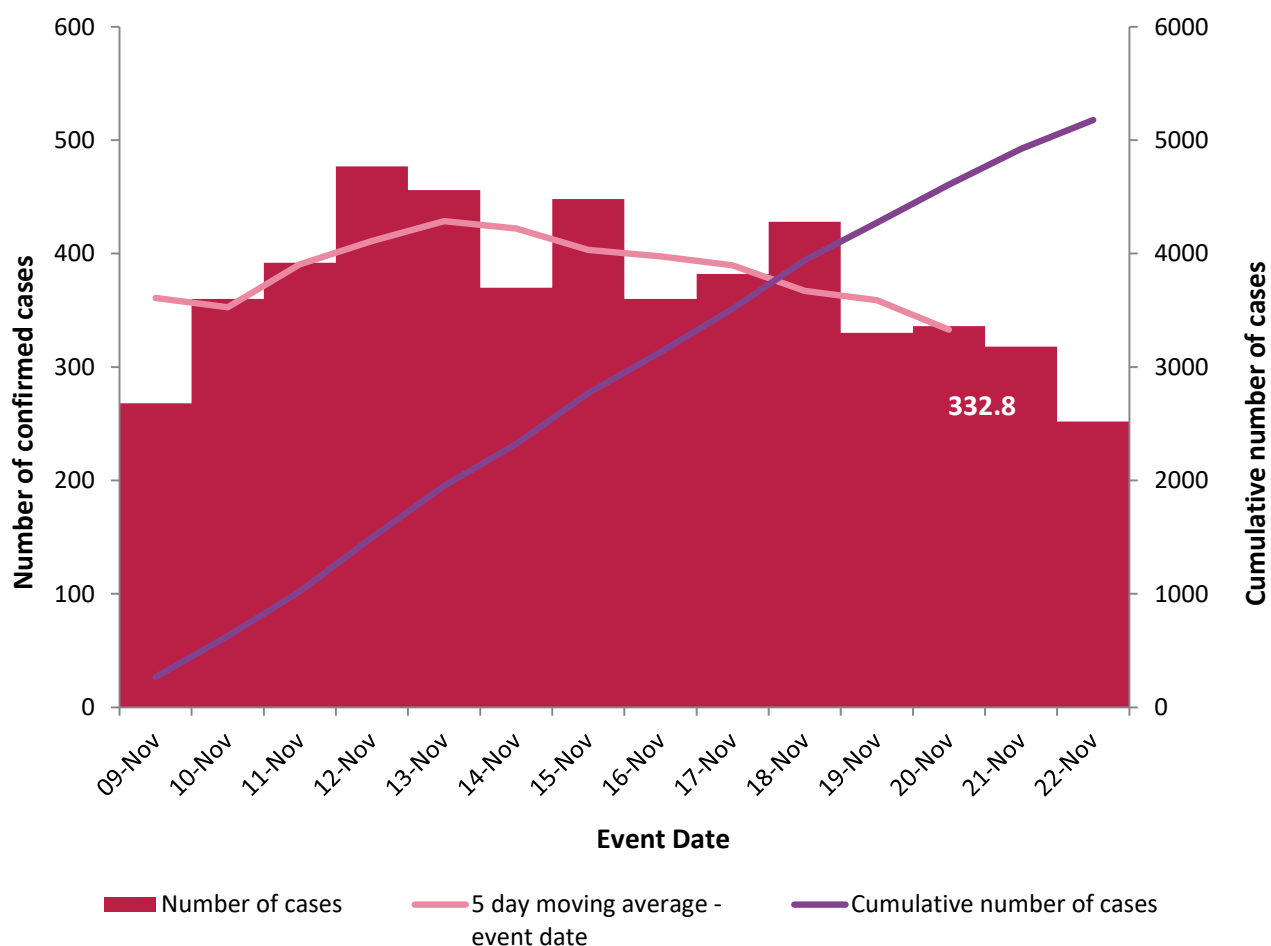


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 09/11/2020 to midnight 22/11/2020 (n=5,177)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 09/11/2020 up to midnight on 22/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,177	100
Sex	Male:Female ratio	0.91	
	Male	2,464	47.6
	Female	2,702	52.19
	Unknown	11	0.21
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 108	
	0-4 yrs	225	4.35
	5-12 yrs	411	7.94
	13-18 yrs	479	9.25
	19-24 yrs	644	12.44
	25-34 yrs	799	15.43
	35-44 yrs	801	15.47
	45-54 yrs	724	13.98
	55-64 yrs	450	8.69
	65-74 yrs	268	5.18
	75-84 yrs	216	4.17
	85+ yrs	159	3.07
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,277	24.67
	No	3,282	63.4
	Unknown	618	11.94
Symptom status at time of test*	Yes	3,015	58.24
	No	1,423	27.49
	Unknown	739	14.27

*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 09/11/2020 to midnight 22/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	575	147.0
CHO2	382	84.3
CHO3	528	137.1
CHO4	532	77.0
CHO5	478	93.7
CHO6	383	100.0
CHO7	749	105.8
CHO8	800	129.2
CHO9	750	120.7
Total	5,177	108.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 09/11/2020 to midnight 22/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	362	227.4
Louth	273	211.8
Limerick	380	195.0
Roscommon	102	158.0
Waterford	181	155.8
Meath	243	124.6
Offaly	93	119.3
Dublin	1603	119.0
Monaghan	70	114.0
Westmeath	100	112.7
Kilkenny	106	106.8
Longford	40	97.9
Cavan	73	95.8
Mayo	116	88.9
Tipperary	141	88.4
Clare	102	85.8
Kildare	186	83.6
Cork	443	81.6
Sligo	50	76.3
Carlow	43	75.5
Leitrim	21	65.5
Wicklow	93	65.3
Galway	164	63.6
Kerry	89	60.3
Laois	49	57.9
Wexford	54	36.1
Total	5,177	108.7

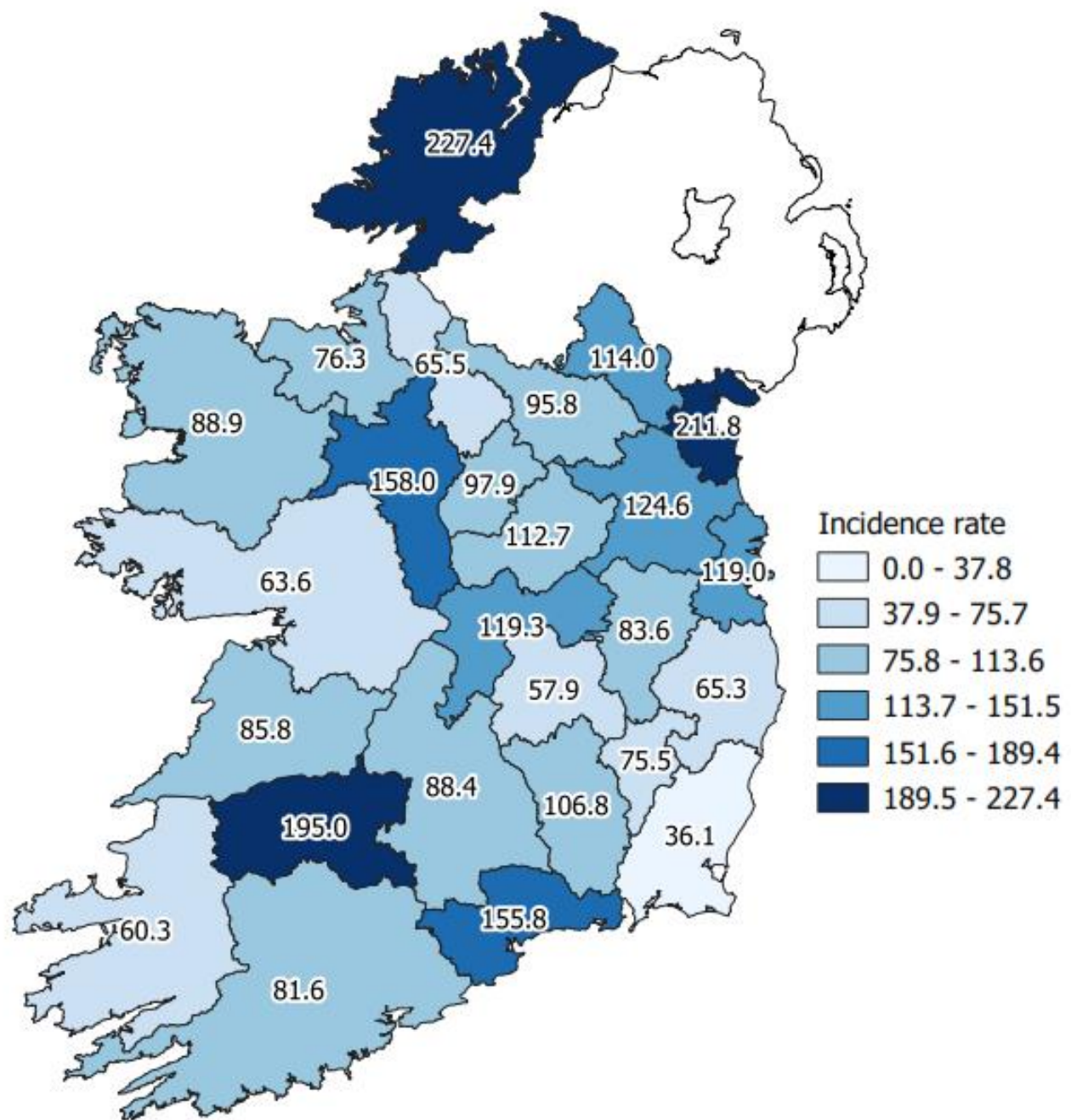


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 09/11/2020 and 22/11/2020

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 09/11/2020 and 22/11/2020

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	93	68.3
CCA2	Dublin South East	202	163.3
CCA3	Dublin South City	148	98.7
CCA4	Dublin South West	177	110.0
CCA5	Dublin West	233	150.0
CCA6	Dublin North West	296	142.5
CCA7	Dublin North Central	276	178.5
CCA8	Dublin North	178	68.7
Dublin		1603	119.0

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.

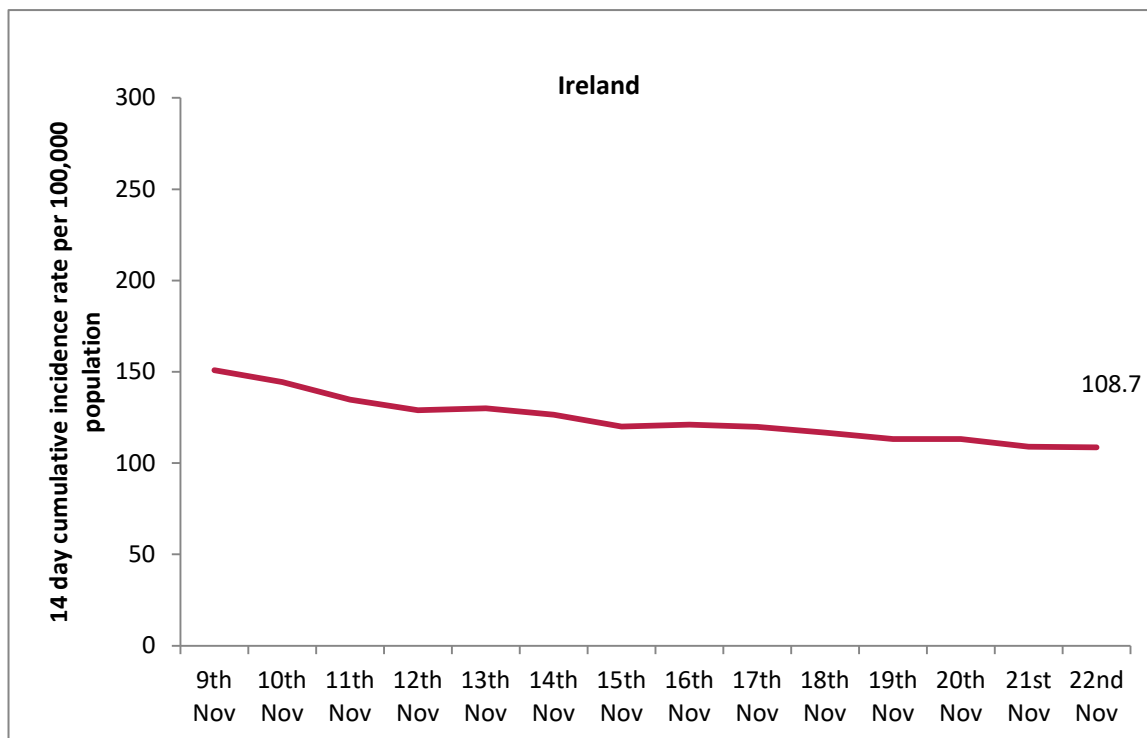


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (22/11/2020 to 09/11/2020)

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 09/11/2020 to midnight 22/11/2020 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	225	4	1.18	0	0
5-12 yrs	411	1	0.29	0	0
13-18 yrs	479	10	2.94	0	0
19-24 yrs	644	10	2.94	0	0
25-34 yrs	799	15	4.41	0	0
35-44 yrs	801	22	6.47	1	8.33
45-54 yrs	724	33	9.71	1	8.33
55-64 yrs	450	32	9.41	2	16.67
65-74 yrs	268	59	17.35	4	33.33
75-84 yrs	216	97	28.53	4	33.33
85+ yrs	159	57	16.76	0	0
Unknown	1			0	0
Total	5,177	340	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 11:21 on 23/11/2020. 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.

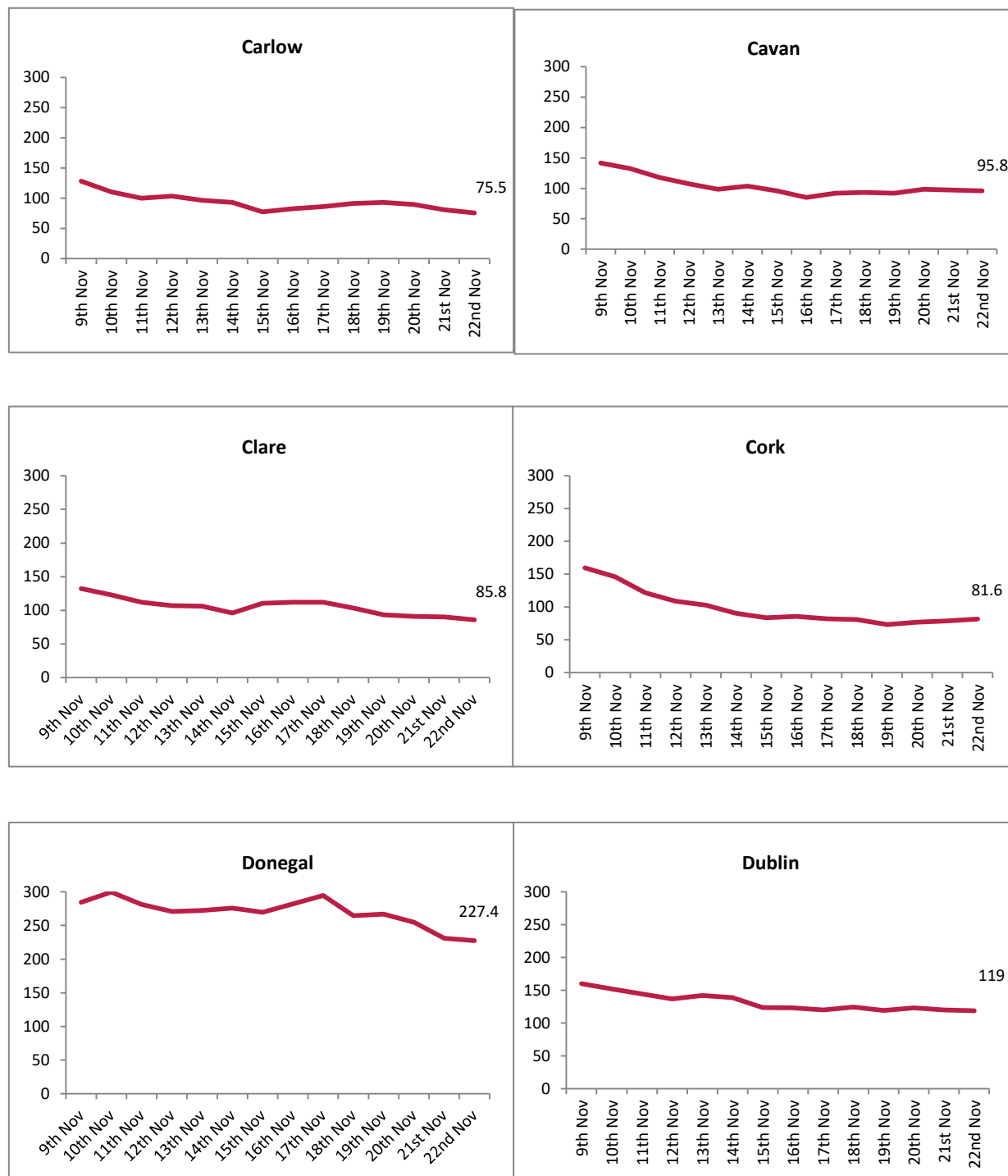
5. Outbreak location

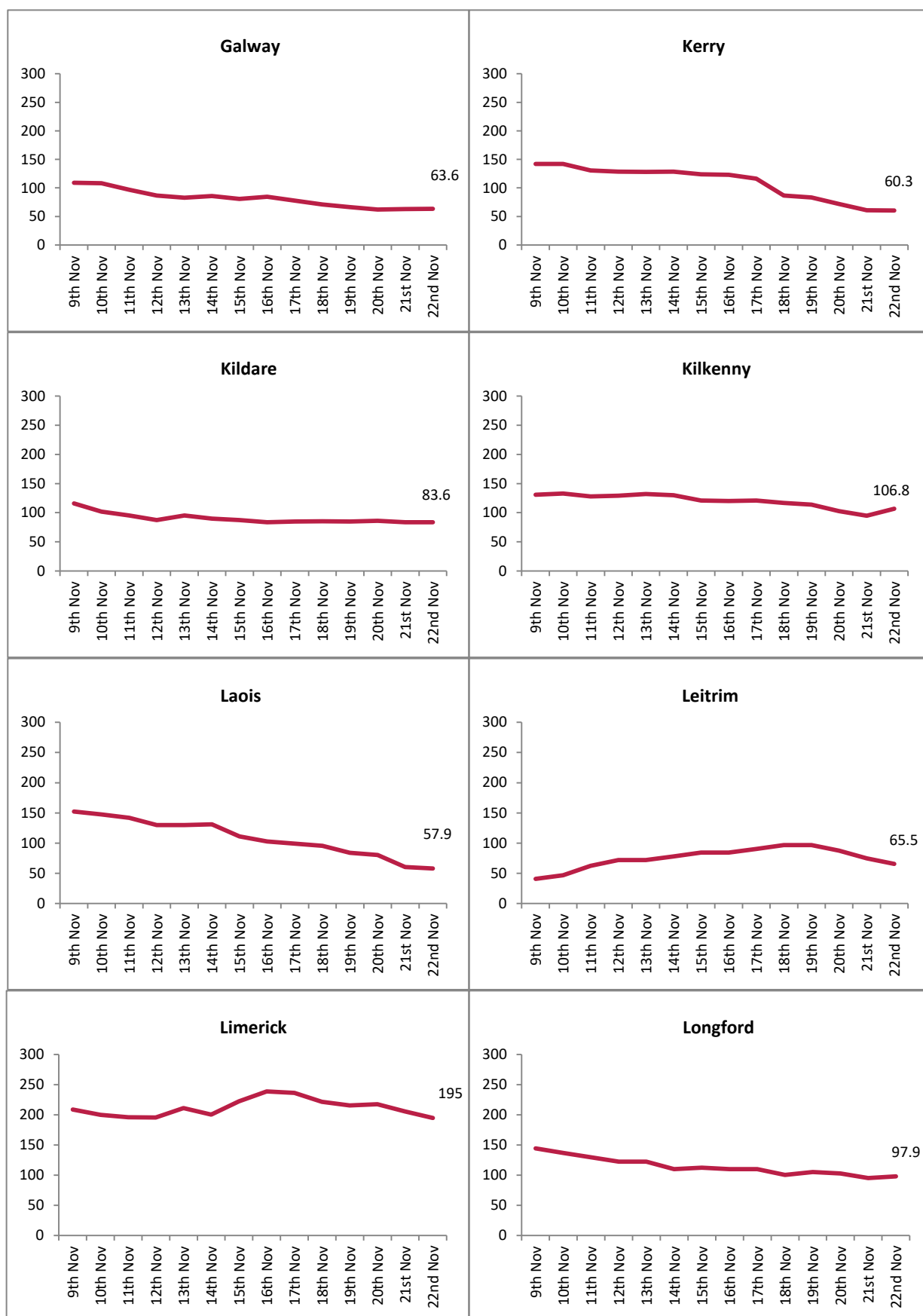
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

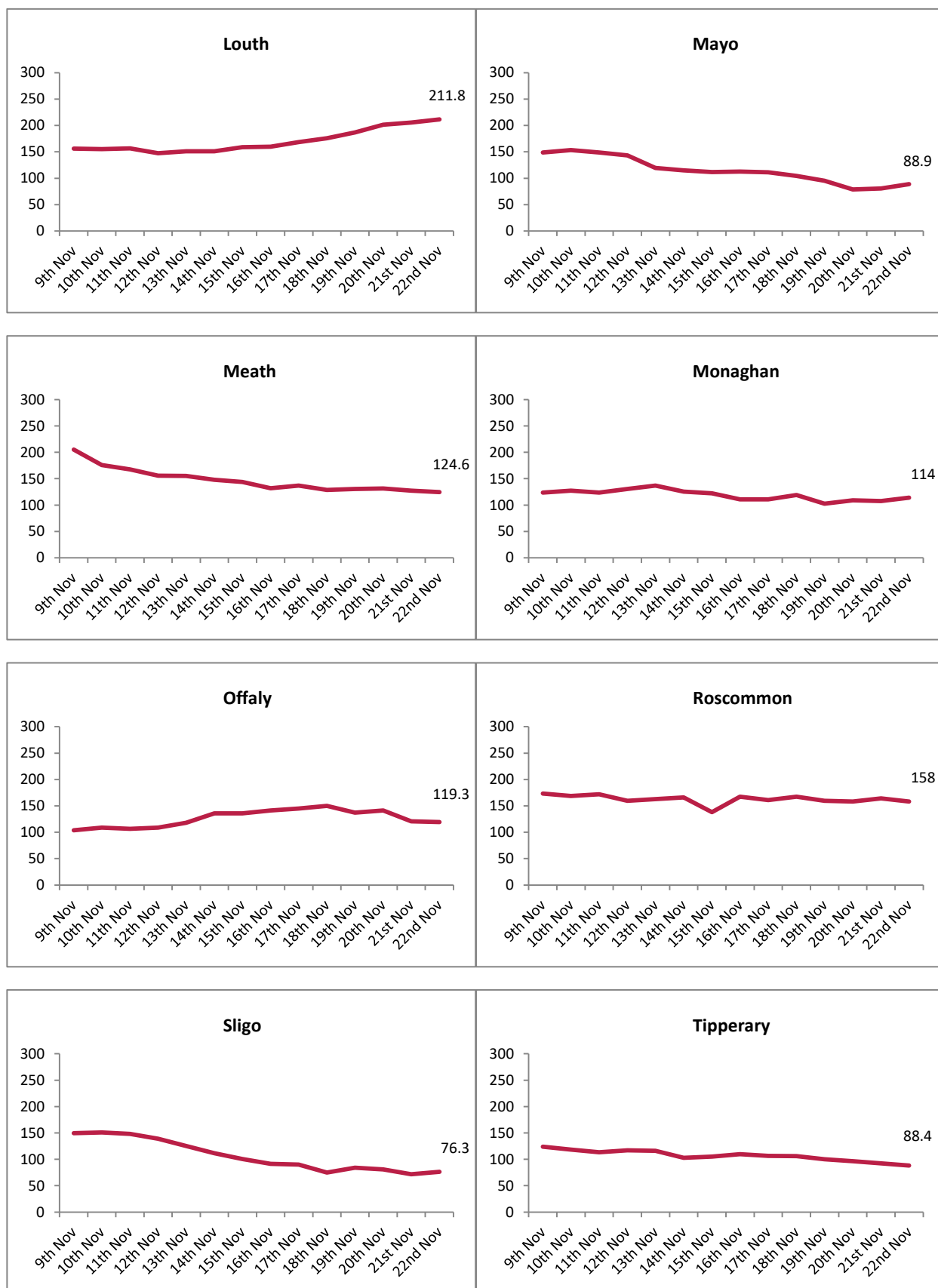
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (09/11/2020 to 22/11/2020)







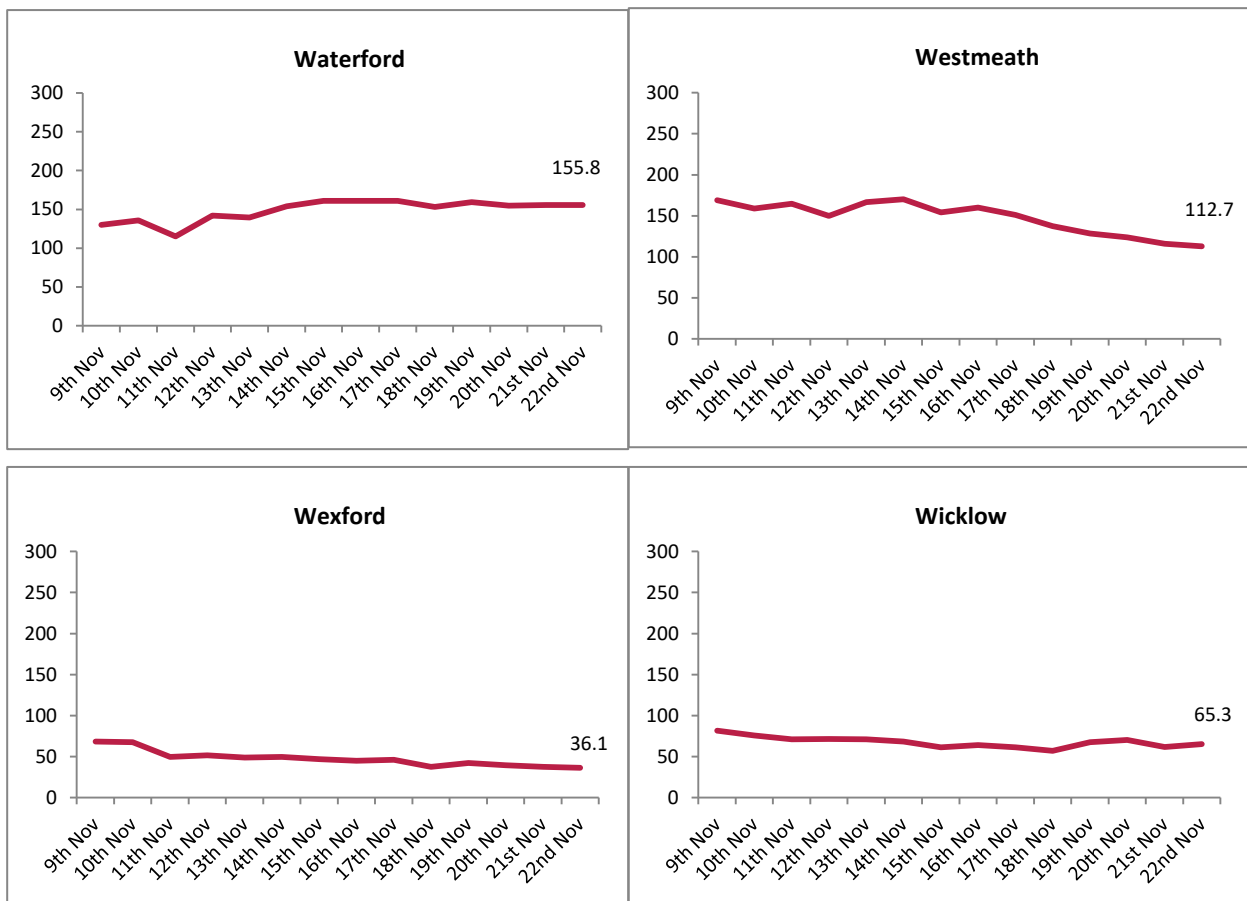


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (09/11/2020 to 22/11/2020)

