



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 30/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/11/2020 up to midnight 29/11/2020

	Number	Percent
Total number of confirmed cases	4,248	
National incidence of confirmed cases per 100,000 population	89.21	
Number of cases hospitalised*	284	6.69
Number of cases admitted to ICU*	10	0.24
Number of deaths among confirmed cases	15	0.35
Case fatality ratio (CFR, %)	0.35	
National incidence of confirmed deaths per 100,000 population	0.32	
Number of cases** associated with clusters	1,295	30.48
Number of imported cases	2	0.05
Number of cases in healthcare workers	490	11.53
Males	2,069	48.71
Females	2,165	50.97
M:F ratio	0.96	
Median age (years)	34	
Mean age (years)	37	
Age range (years)	0 - 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

**Cases may be associated with outbreaks notified outside the timeframe of this report
16/11/2020 - 29/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:01 on 30/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

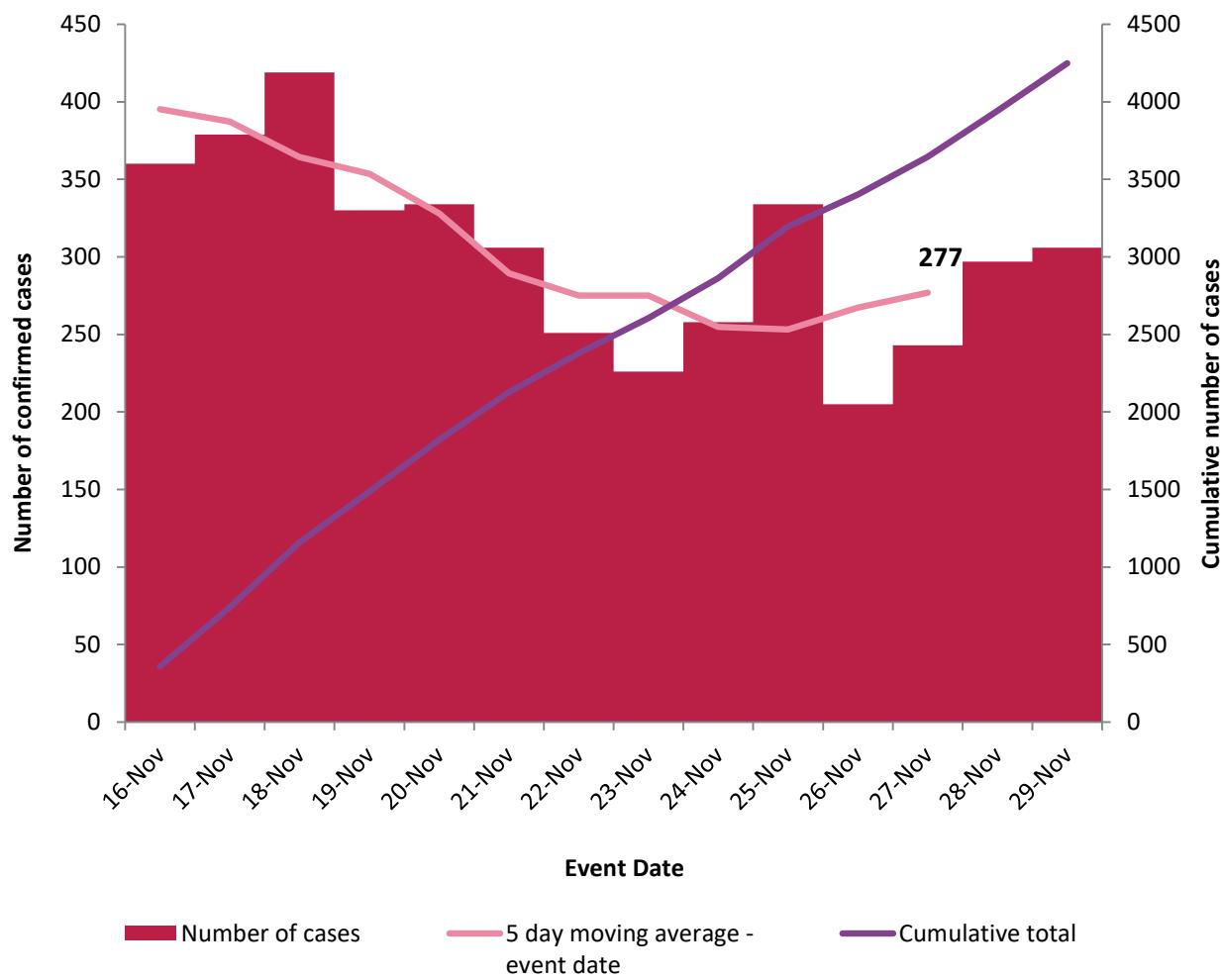


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=4,248)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 16/11/2020 up to midnight on 29/11/2020

Characteristic	Number of cases	Percent
Total number of confirmed cases	4,248	100
Sex		
Male:Female ratio	0.96	
Male	2,069	48.71
Female	2,165	50.97
Unknown	14	0.33
Age		
Median age (years)	34	
Mean age (years)	37	
Age range (years)	0 - 100	
0-4 yrs	174	4.1
5-12 yrs	375	8.83
13-18 yrs	398	9.37
19-24 yrs	547	12.88
25-34 yrs	634	14.92
35-44 yrs	677	15.94
45-54 yrs	580	13.65
55-64 yrs	357	8.4
65-74 yrs	213	5.01
75-84 yrs	177	4.17
85+ yrs	114	2.68
Unknown	2	0.05
Underlying clinical conditions		
Yes	1,101	25.92
No	2,635	62.03
Unknown	512	12.05
Symptom status at time of test*		
Yes	2,532	59.6
No	1,101	25.92
Unknown	615	14.48

*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 16/11/2020 to midnight 29/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	504	128.8
CHO2	300	66.2
CHO3	380	98.7
CHO4	435	63.0
CHO5	399	78.2
CHO6	422	110.1
CHO7	544	76.9
CHO8	549	88.7
CHO9	715	115.1
Unknown	0	
Total	4,248	89.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/11/2020 to midnight 29/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	356	223.6
Louth	231	179.2
Limerick	278	142.6
Kilkenny	131	132.0
Dublin	1409	104.6
Monaghan	61	99.4
Roscommon	62	96.1
Wicklow	136	95.5
Waterford	101	86.9
Longford	35	85.6
Mayo	110	84.3
Meath	161	82.5
Tipperary	129	80.9
Carlow	44	77.3
Cork	370	68.2
Kildare	136	61.1
Cavan	46	60.4
Sligo	37	56.5
Laois	44	51.9
Clare	61	51.3
Offaly	40	51.3
Galway	128	49.6
Kerry	65	44.0
Westmeath	36	40.6
Wexford	37	24.7
Leitrim	4	12.5
Total	4,248	89.2

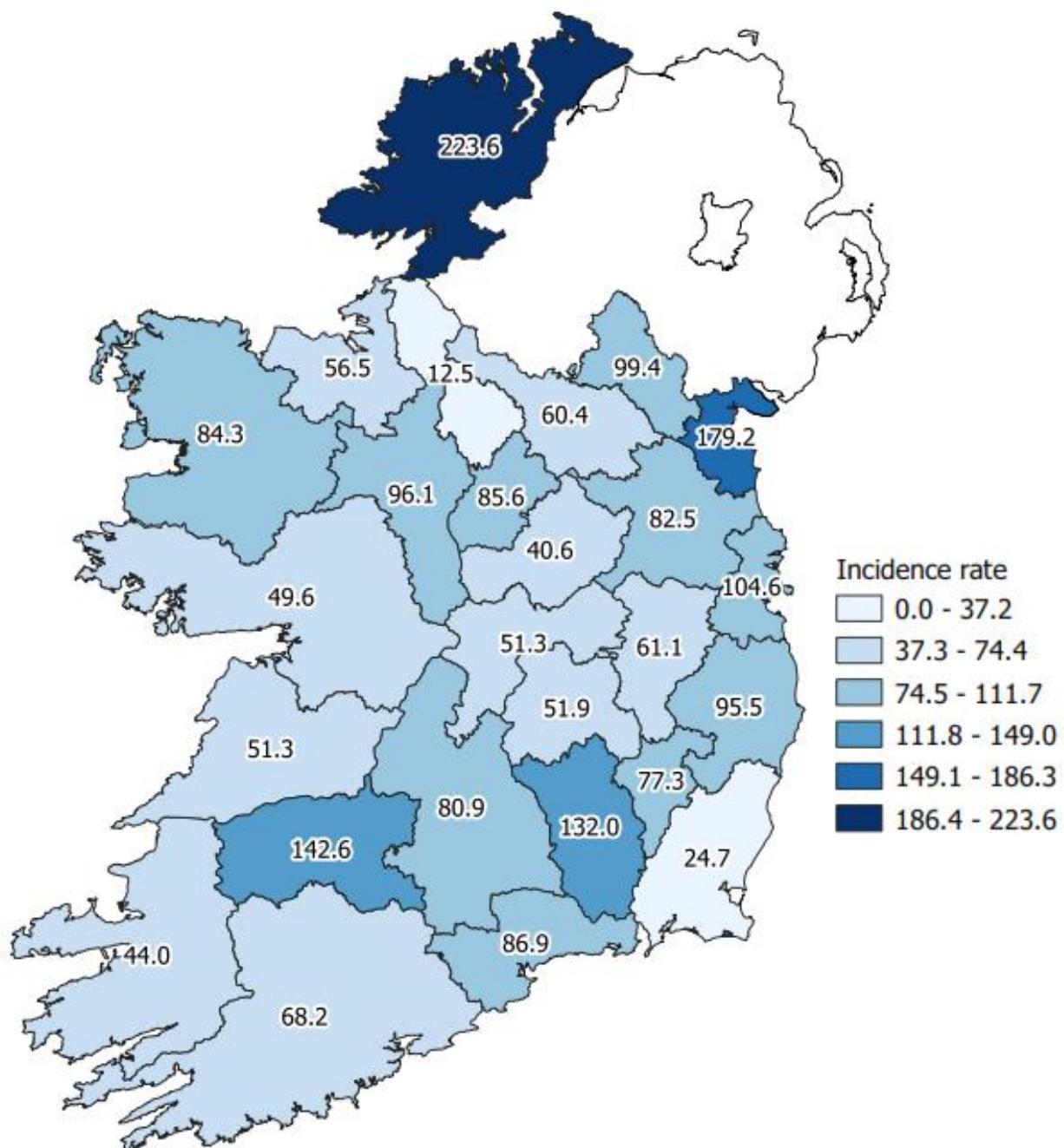


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 16/11/2020 and 29/11/2020

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 16/11/2020 and 29/11/2020

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	96	70.5
CCA2	Dublin South East	192	155.2
CCA3	Dublin South City	98	65.4
CCA4	Dublin South West	165	102.5
CCA5	Dublin West	143	92.1
CCA6	Dublin North West	246	118.5
CCA7	Dublin North Central	277	179.2
CCA8	Dublin North	192	74.1
Dublin		1,409	104.6

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.

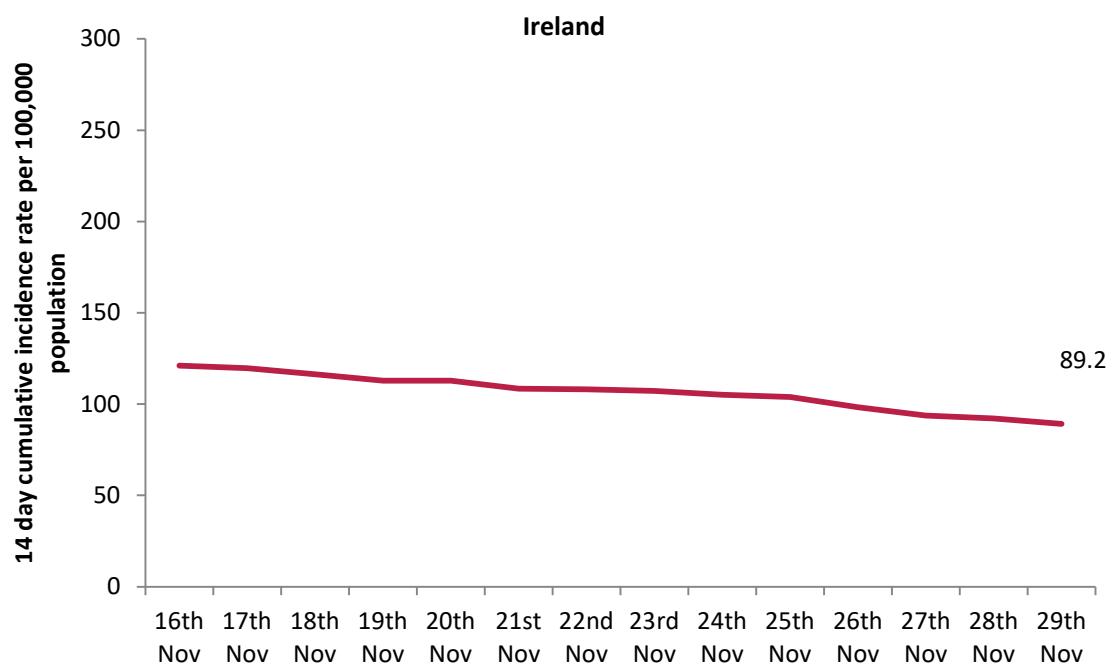


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (16/11/2020 to 29/11/2020)

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 16/11/2020 to midnight 29/11/2020 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	174	3	1.06	0	0
5-12 yrs	375	2	0.7	0	0
13-18 yrs	398	5	1.76	0	0
19-24 yrs	547	8	2.82	0	0
25-34 yrs	634	18	6.34	0	0
35-44 yrs	677	22	7.75	2	20
45-54 yrs	580	27	9.51	1	10
55-64 yrs	357	29	10.21	3	30
65-74 yrs	213	45	15.85	0	0
75-84 yrs	177	76	26.76	4	40
85+ yrs	114	49	17.25	0	0
Unknown	2			0	0
Total	4,248	284	100	10	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 10:01 on 30/11/2020. 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.

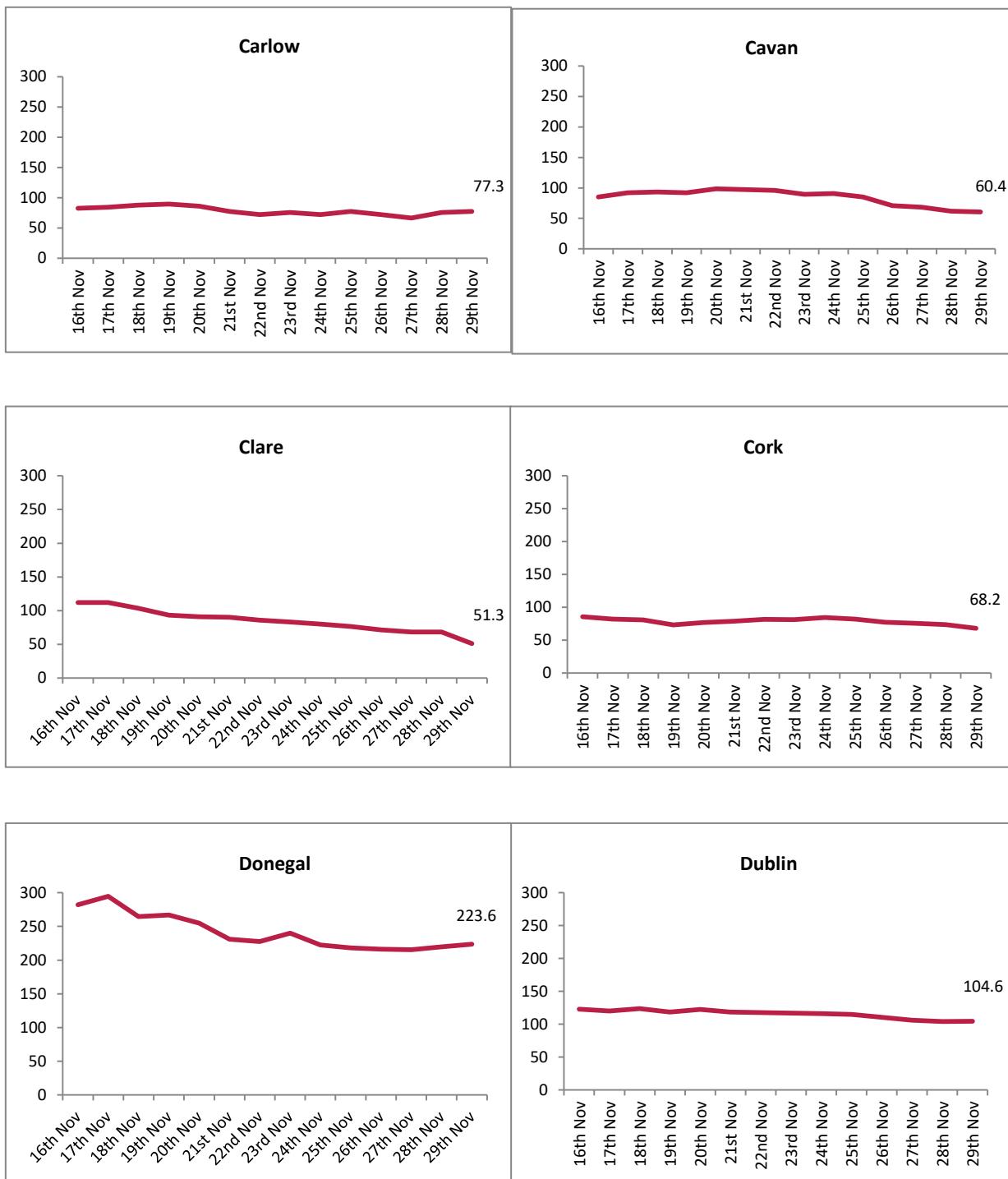
5. Outbreak location

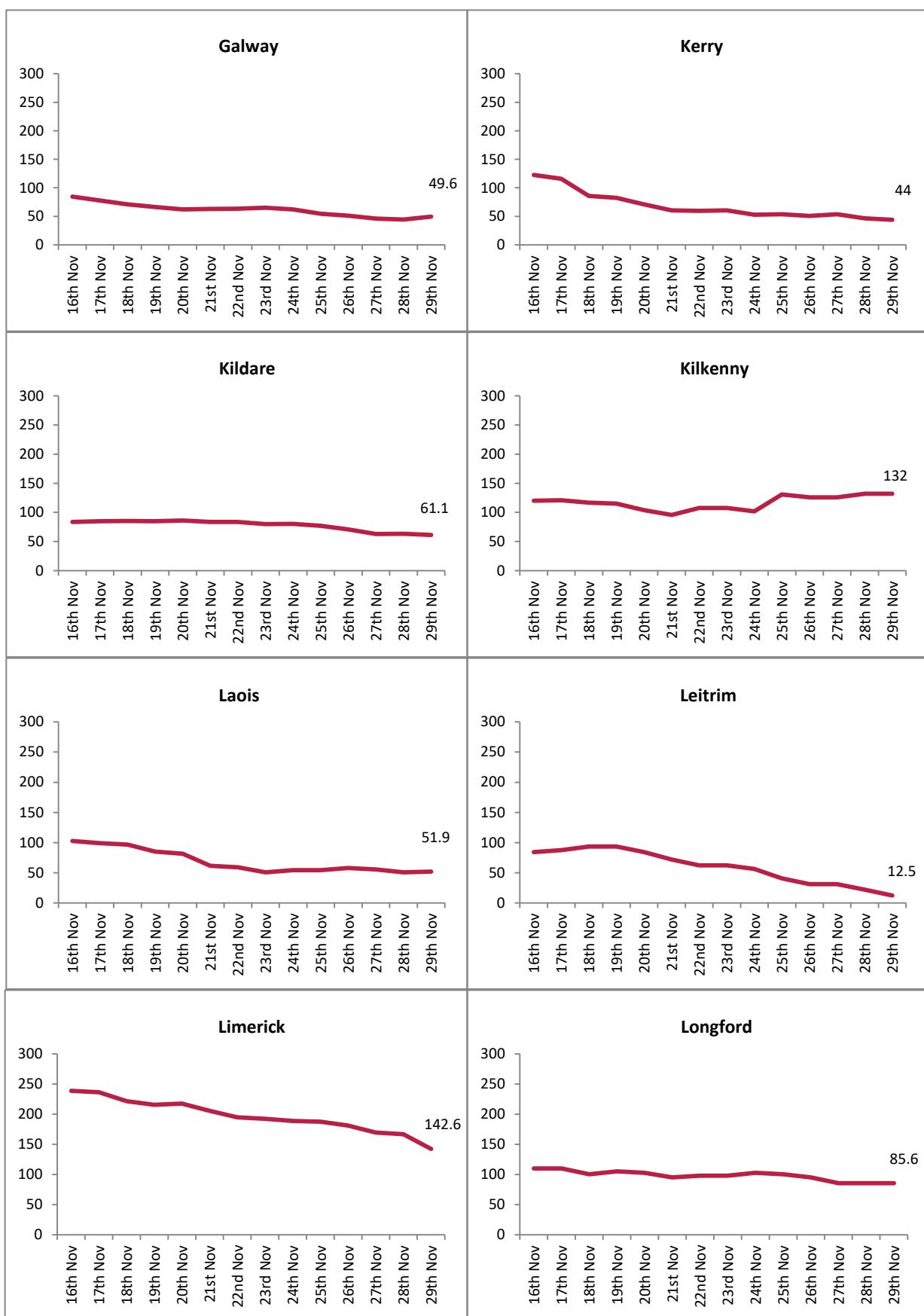
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

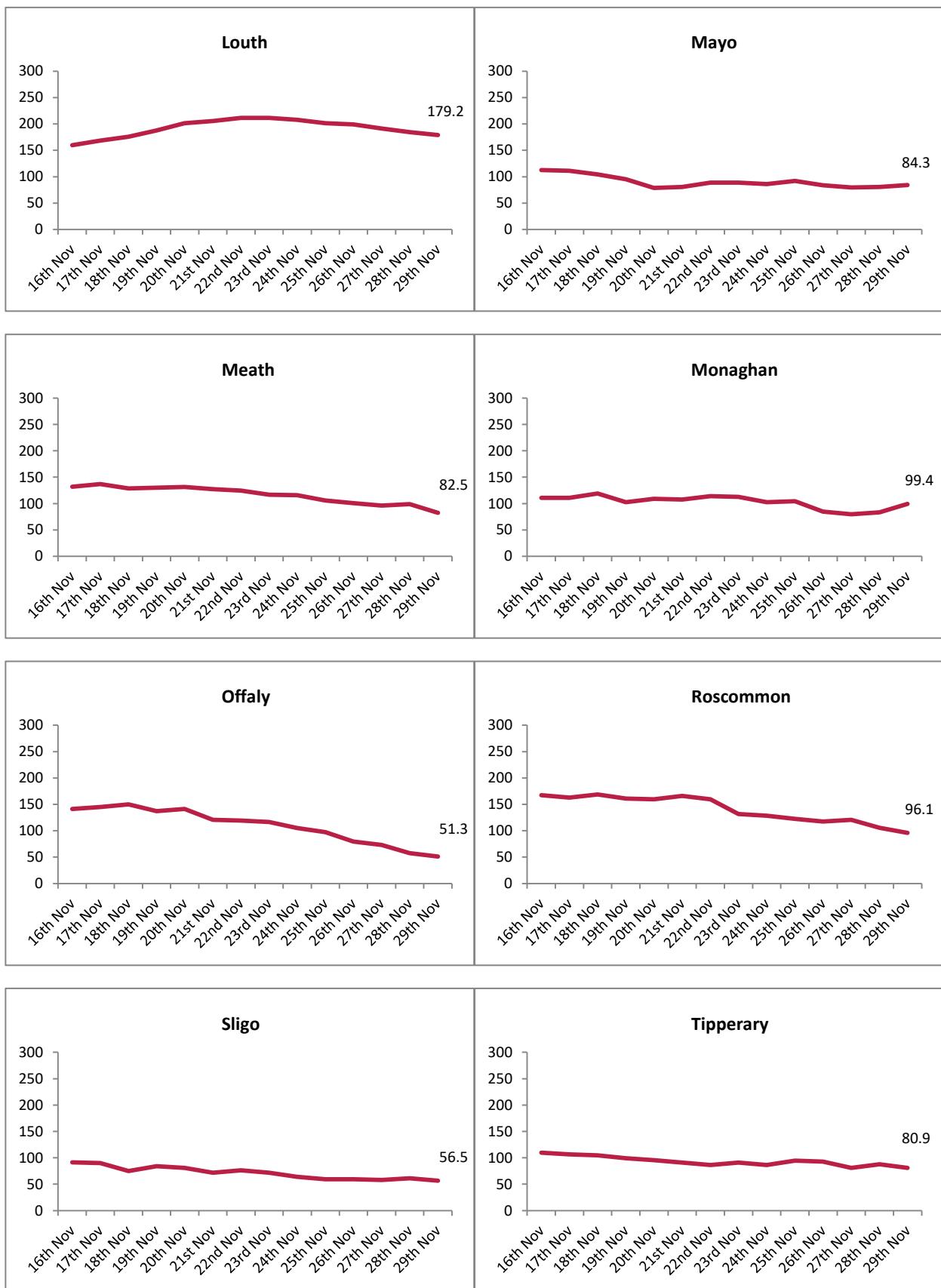
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (16/11/2020 to 29/11/2020)







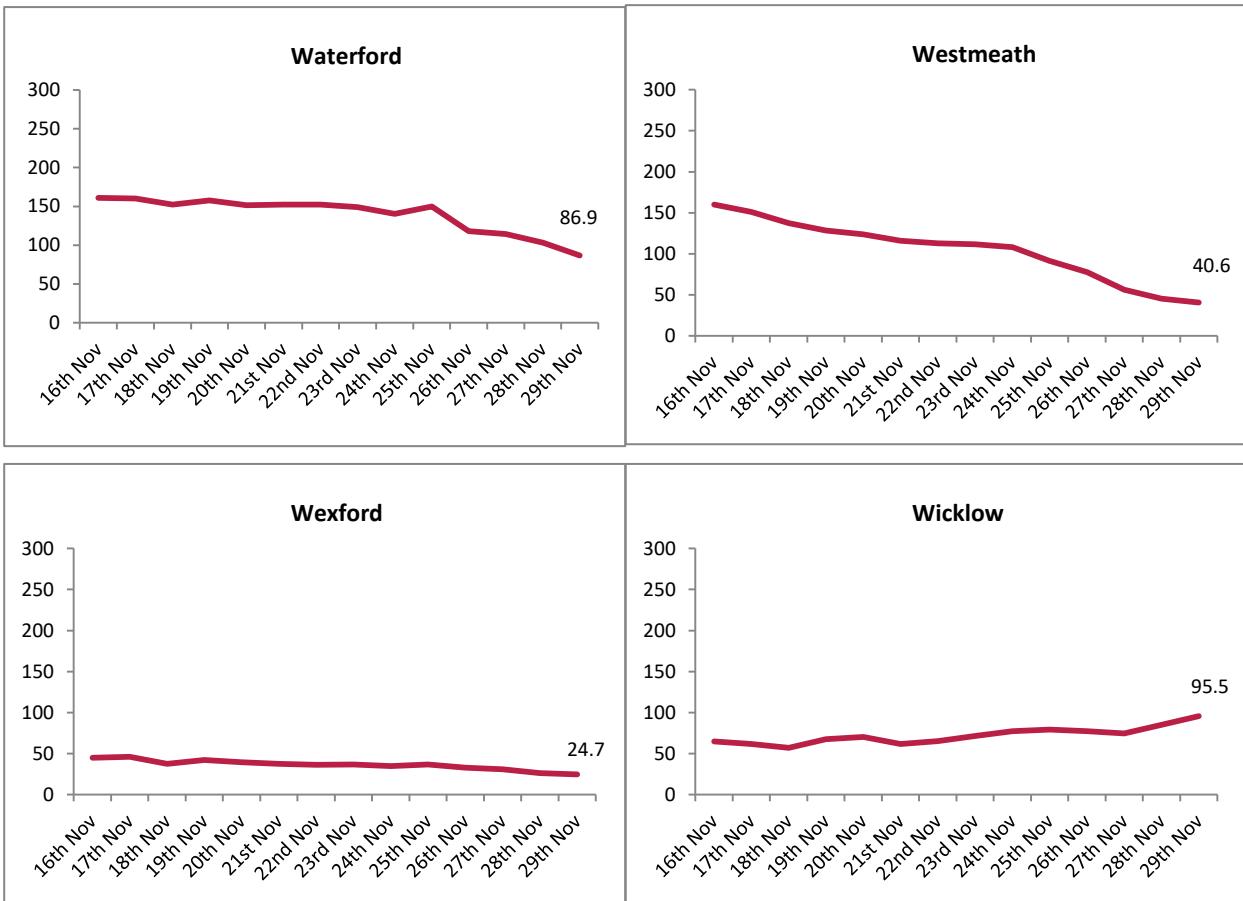


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (16/11/2020 to 29/11/2020)

