



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 22/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/11/2020 up to midnight 21/11/2020

	Number	Percent
Total number of confirmed cases	5,193	
National incidence of confirmed cases per 100,000 population	109.05	
Number of cases hospitalised*	342	6.59
Number of cases admitted to ICU*	13	0.25
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	1,963	37.8
Number of imported cases	9	0.17
Number of cases in healthcare workers	677	13.04
Males	2,483	47.81
Females	2,699	51.97
M:F ratio	0.92	
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
08/11/2020 - 21/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:31 on 22/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

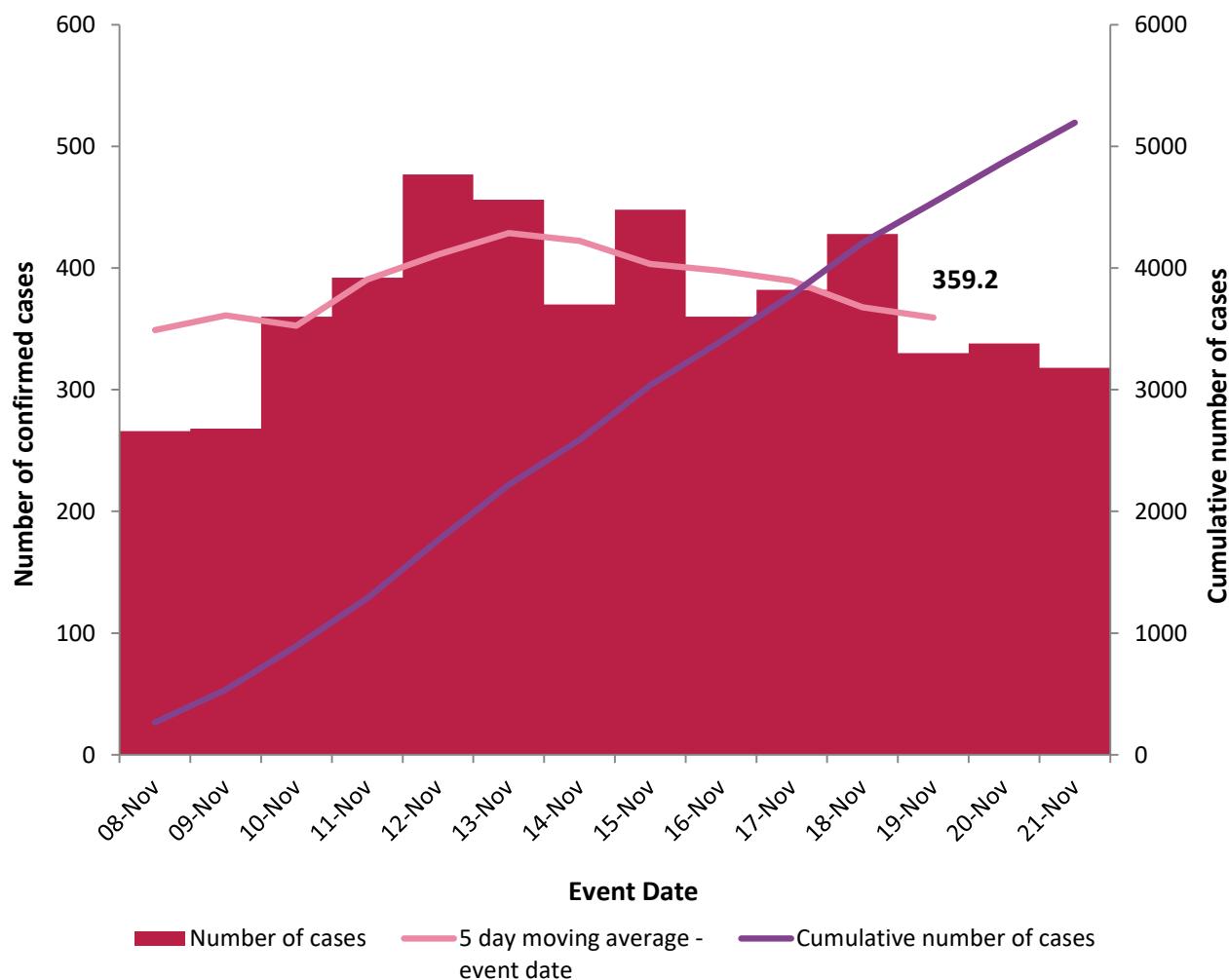


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 08/11/2020 to midnight 21/11/2020 (n=5,193)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 08/11/2020 up to midnight on 21/11/2020

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,193	100
Sex	Male:Female ratio	0.92	
	Male	2,483	47.81
	Female	2,699	51.97
	Unknown	11	0.21
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 108	
	0-4 yrs	219	4.22
	5-12 yrs	415	7.99
	13-18 yrs	487	9.38
	19-24 yrs	646	12.44
	25-34 yrs	804	15.48
	35-44 yrs	809	15.58
	45-54 yrs	720	13.86
	55-64 yrs	456	8.78
	65-74 yrs	270	5.2
	75-84 yrs	209	4.02
	85+ yrs	157	3.02
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,292	24.88
	No	3,247	62.53
	Unknown	654	12.59
Symptom status at time of test*	Yes	3,012	58
	No	1,395	26.86
	Unknown	786	15.14

*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 08/11/2020 to midnight 21/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	579	148.0
CHO2	373	82.3
CHO3	553	143.6
CHO4	520	75.3
CHO5	477	93.5
CHO6	380	99.2
CHO7	760	107.4
CHO8	803	129.7
CHO9	748	120.4
Total	5,193	109.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 08/11/2020 to midnight 21/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	368	231.2
Limerick	406	208.3
Louth	265	205.6
Roscommon	106	164.2
Waterford	183	157.5
Meath	248	127.2
Offaly	94	120.6
Dublin	1615	119.9
Westmeath	103	116.0
Monaghan	66	107.5
Cavan	74	97.1
Longford	39	95.4
Kilkenny	92	92.7
Tipperary	146	91.5
Clare	103	86.7
Kildare	186	83.6
Carlow	46	80.8
Mayo	105	80.5
Cork	429	79.0
Leitrim	24	74.9
Sligo	48	73.2
Galway	162	62.8
Kerry	91	61.6
Wicklow	87	61.1
Laois	51	60.2
Wexford	56	37.4
Total	5,193	109.1

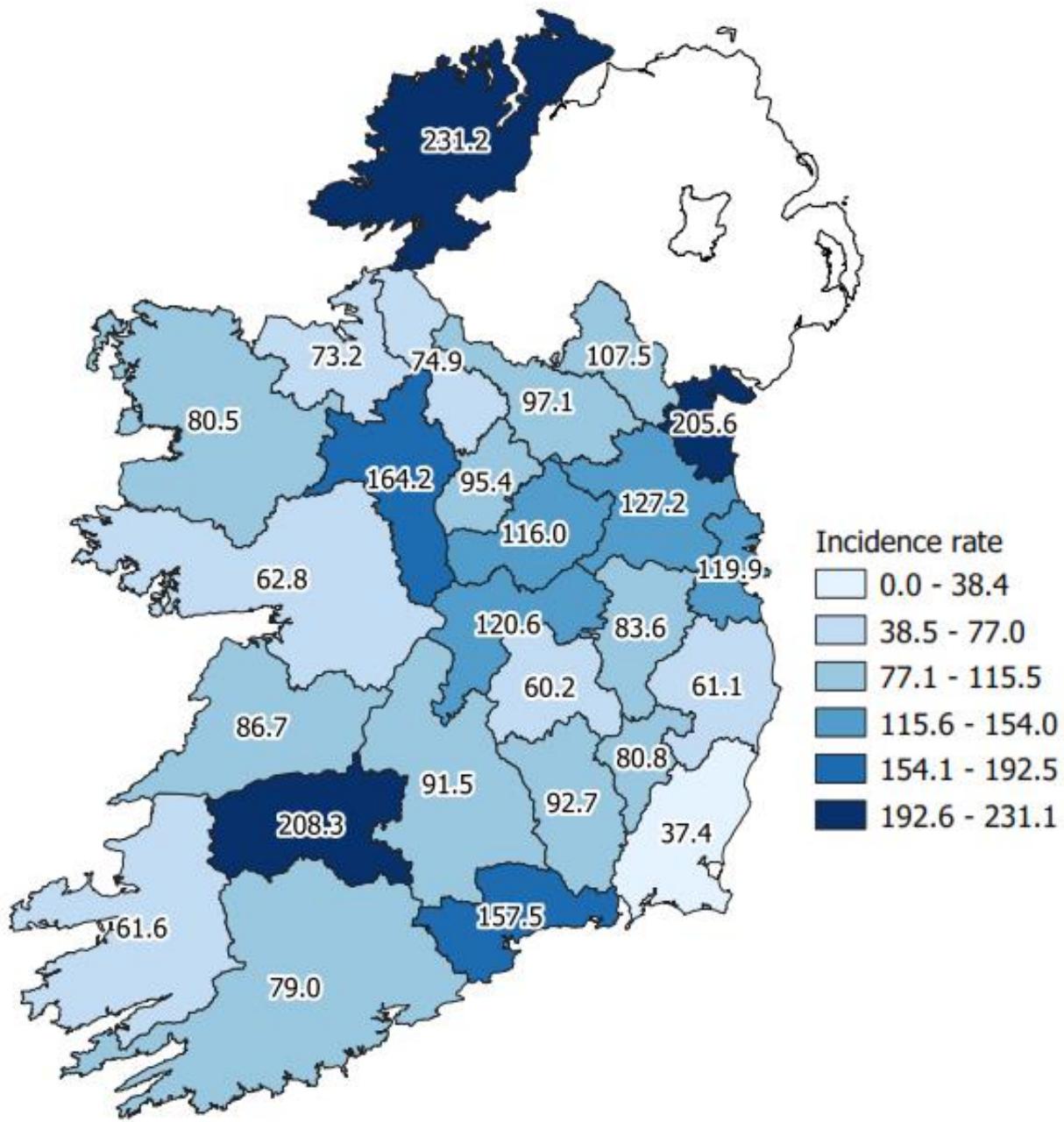


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/11/2020 and 21/11/2020

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 08/11/2020 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	97	71.3
CCA2	Dublin South East	201	162.5
CCA3	Dublin South City	145	96.7
CCA4	Dublin South West	182	113.1
CCA5	Dublin West	242	155.8
CCA6	Dublin North West	302	145.4
CCA7	Dublin North Central	264	170.8
CCA8	Dublin North	182	70.2
Dublin		1615	119.9

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.

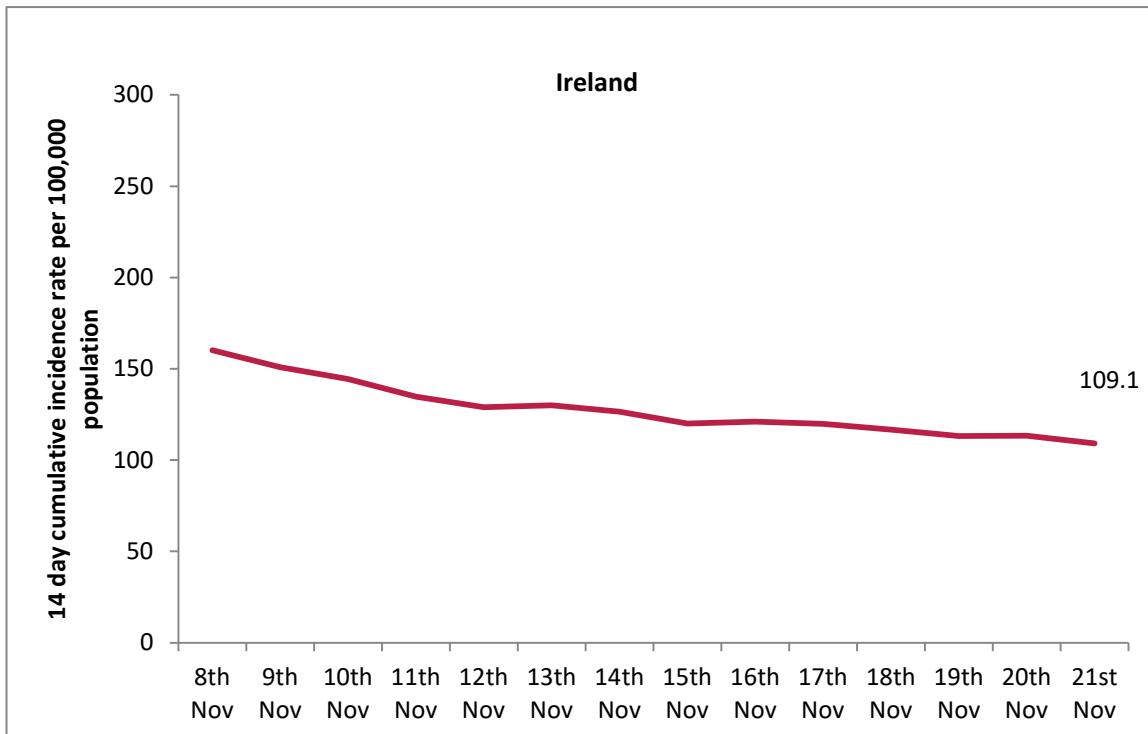


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (21/11/2020 to 08/11/2020)

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 08/11/2020 to midnight 21/11/2020 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	219	4	1.17	0	0
5-12 yrs	415	1	0.29	0	0
13-18 yrs	487	11	3.22	0	0
19-24 yrs	646	11	3.22	1	7.69
25-34 yrs	804	15	4.39	0	0
35-44 yrs	809	22	6.43	1	7.69
45-54 yrs	720	33	9.65	1	7.69
55-64 yrs	456	33	9.65	2	15.38
65-74 yrs	270	59	17.25	4	30.77
75-84 yrs	209	95	27.78	4	30.77
85+ yrs	157	58	16.96	0	0
Unknown	1			0	0
Total	5,193	342	100	13	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 09:31 on 22/11/2020. 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.

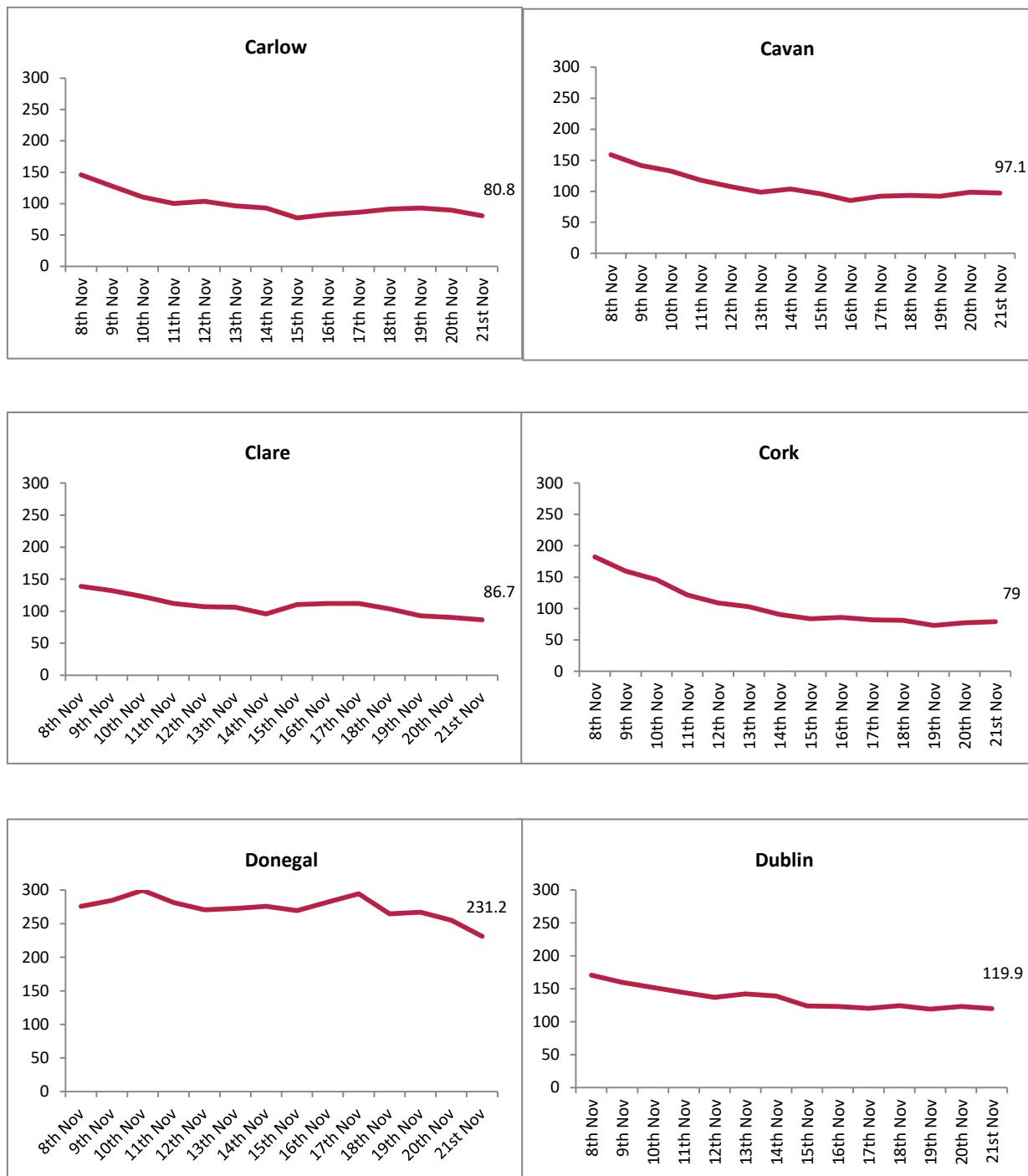
5. Outbreak location

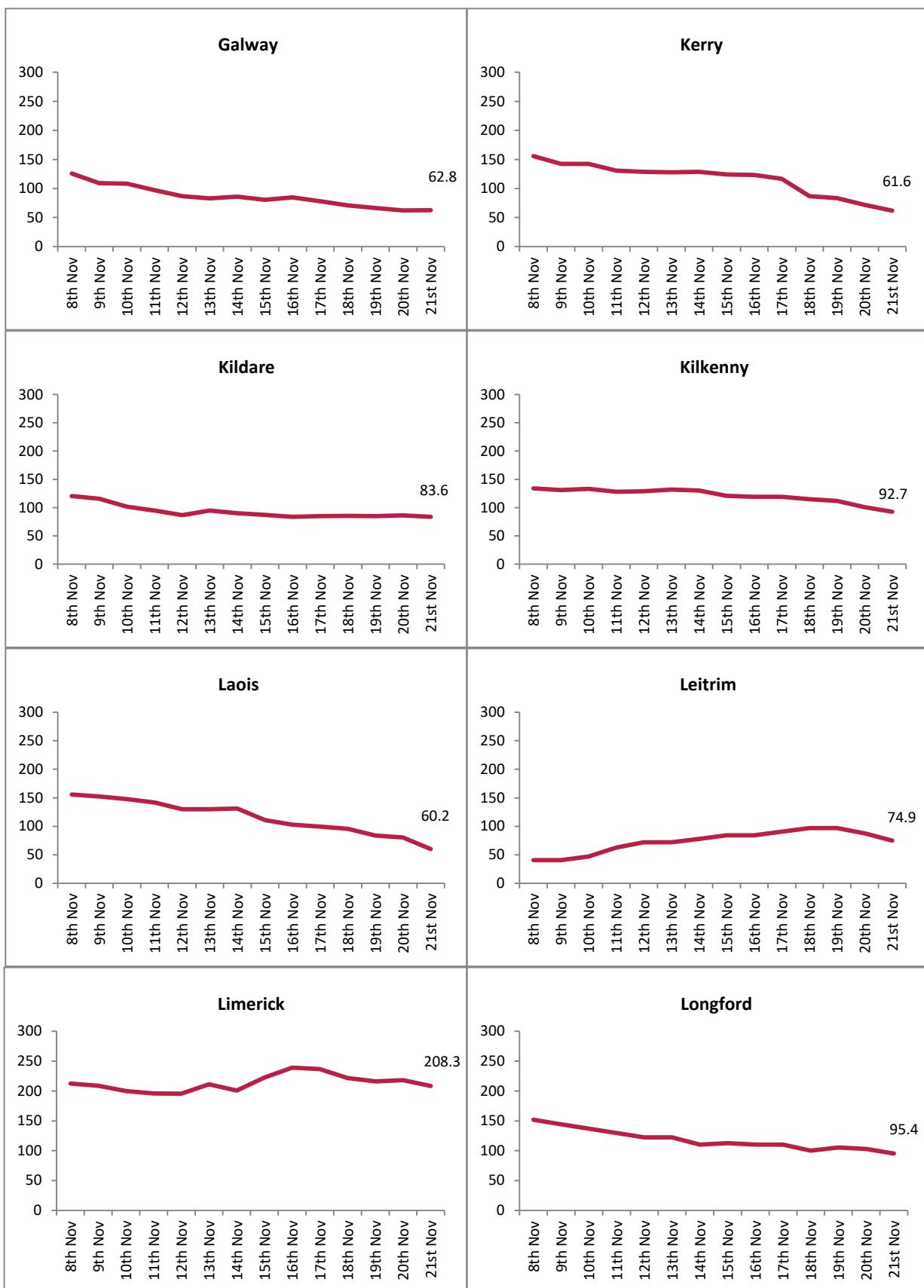
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

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 (08/11/2020 to 21/11/2020)





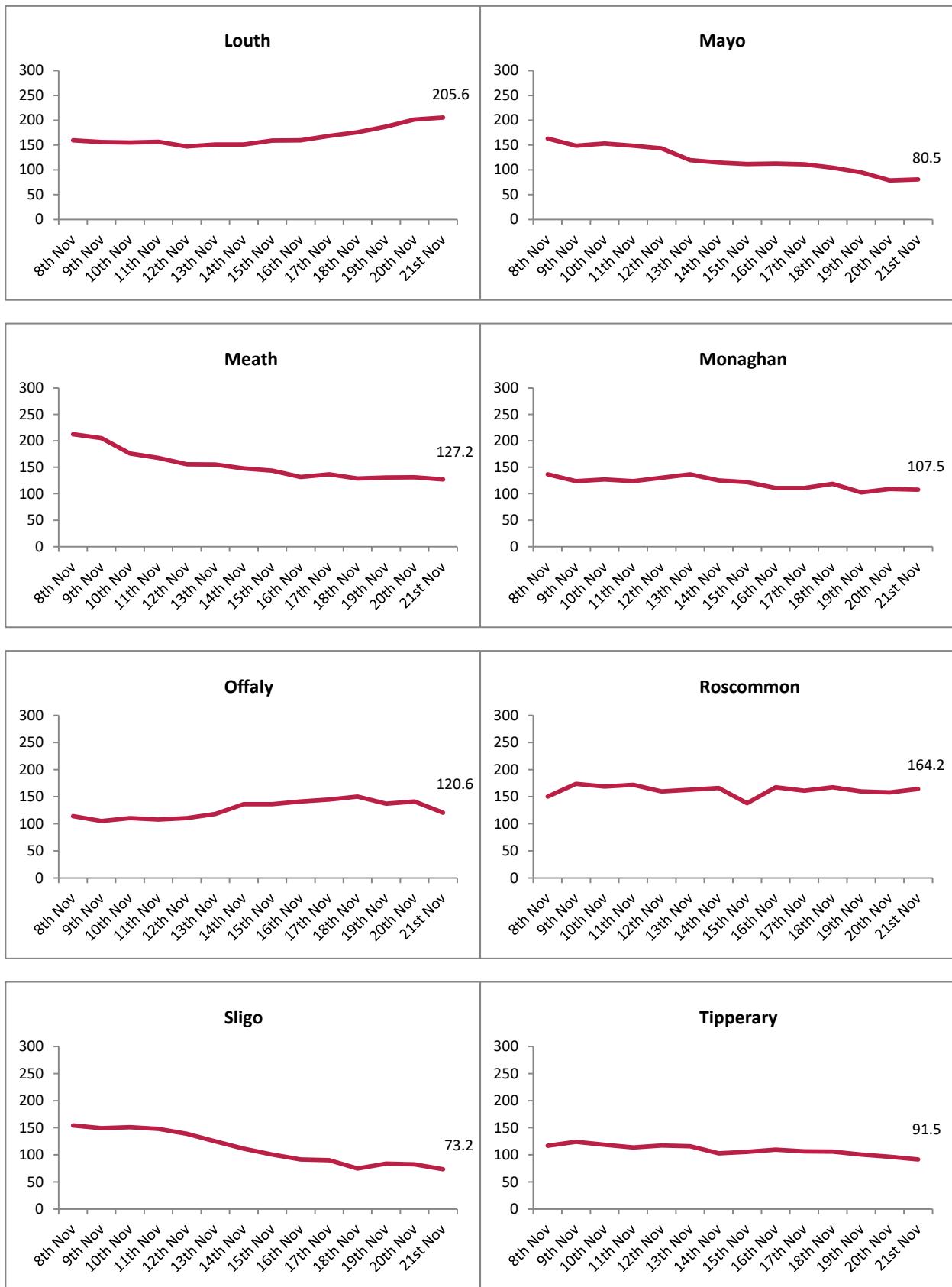




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (08/11/2020 to 21/11/2020)

