



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 03/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/11/2020 up to midnight 02/12/2020

	Number	Percent
Total number of confirmed cases	3,794	
National incidence of confirmed cases per 100,000 population	79.67	
Number of cases hospitalised*	242	6.38
Number of cases admitted to ICU*	9	0.24
Number of deaths among confirmed cases	16	0.42
Case fatality ratio (CFR, %)	0.42	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,413	37.24
Number of imported cases	4	0.11
Number of cases in healthcare workers	419	11.04
Males	1,886	49.71
Females	1,894	49.92
M:F ratio	1	
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
19/11/2020 - 02/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:26 on 03/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

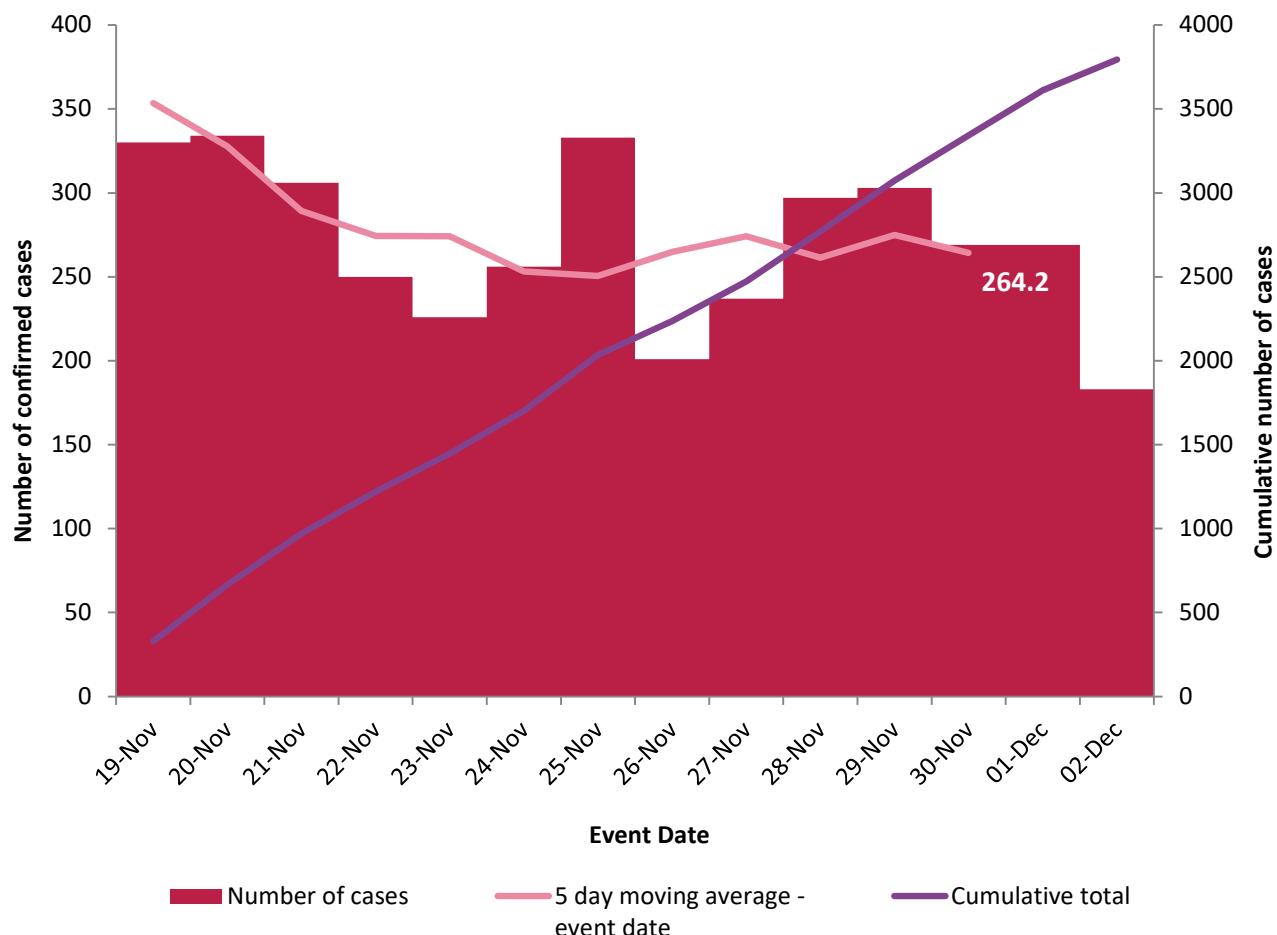


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,794)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 19/11/2020 up to midnight on 02/12/2020

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,794	100
Sex	Male:Female ratio	1	
	Male	1,886	49.71
	Female	1,894	49.92
	Unknown	14	0.37
Age	Median age (years)	34	
	Mean age (years)	37	
	Age range (years)	0 - 100	
	0-4 yrs	152	4.01
	5-12 yrs	351	9.25
	13-18 yrs	364	9.59
	19-24 yrs	480	12.65
	25-34 yrs	552	14.55
	35-44 yrs	594	15.66
	45-54 yrs	507	13.36
	55-64 yrs	322	8.49
	65-74 yrs	187	4.93
	75-84 yrs	176	4.64
	85+ yrs	107	2.82
	Unknown	2	0.05
Underlying clinical conditions	Yes	1,033	27.23
	No	2,239	59.01
	Unknown	522	13.76
Symptom status at time of test*	Yes	2,226	58.67
	No	968	25.51
	Unknown	600	15.81

*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 19/11/2020 to midnight 02/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	480	122.7
CHO2	272	60.0
CHO3	345	89.6
CHO4	339	49.1
CHO5	411	80.5
CHO6	413	107.8
CHO7	451	63.7
CHO8	462	74.6
CHO9	621	99.9
Unknown	0	
Total	3,794	79.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 19/11/2020 to midnight 02/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	338	212.3
Louth	209	162.2
Kilkenny	146	147.1
Limerick	259	132.9
Monaghan	67	109.1
Wicklow	154	108.1
Carlow	56	98.4
Longford	39	95.4
Dublin	1223	90.8
Mayo	118	90.4
Tipperary	125	78.3
Waterford	86	74.0
Meath	120	61.5
Roscommon	36	55.8
Cork	284	52.3
Sligo	34	51.9
Laois	43	50.8
Cavan	38	49.9
Kildare	108	48.5
Galway	118	45.7
Clare	51	42.9
Kerry	55	37.2
Offaly	29	37.2
Westmeath	21	23.7
Wexford	34	22.7
Leitrim	3	9.4
Total	3,794	79.7

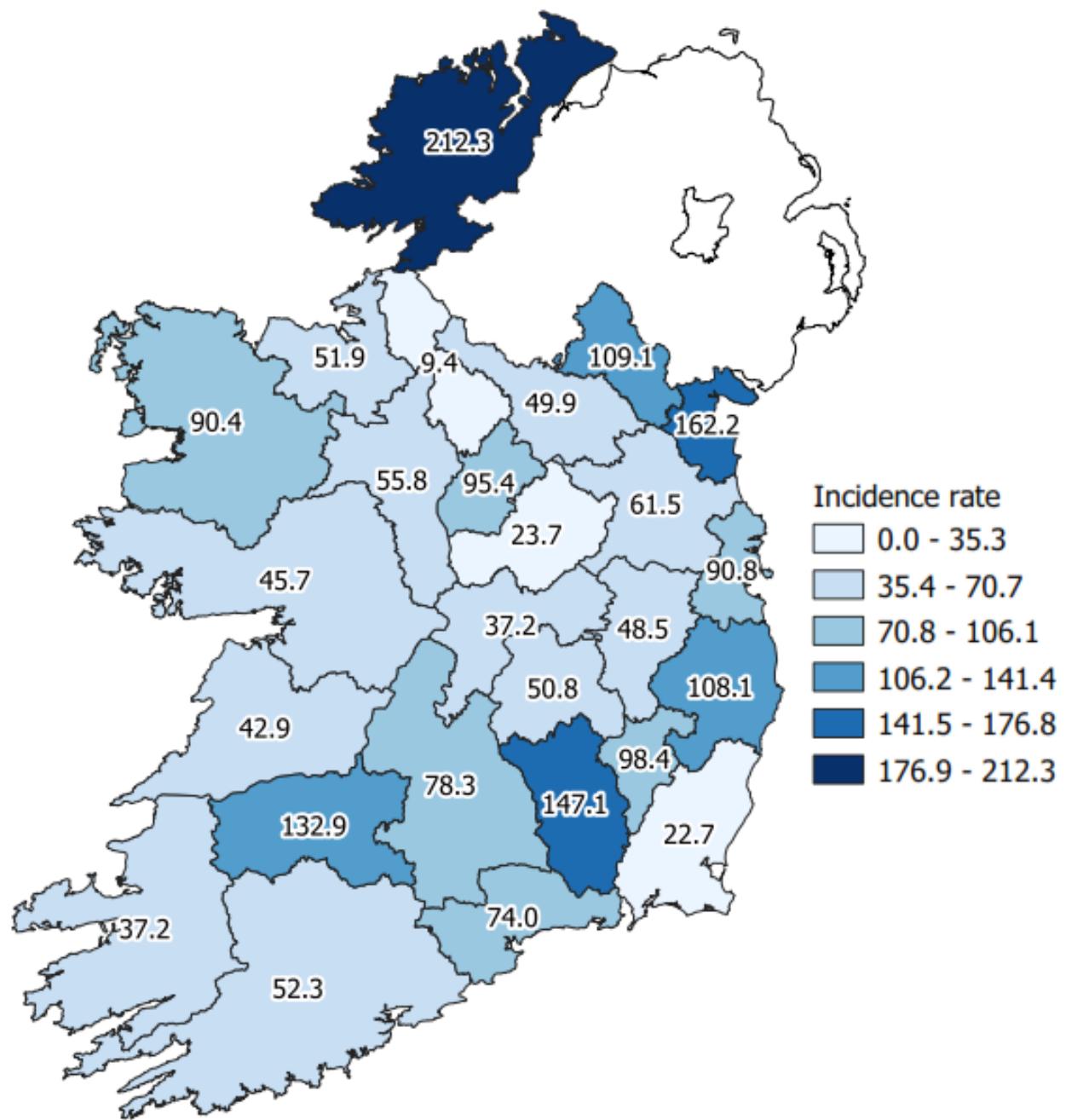


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/11/2020 and 02/12/2020

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 19/11/2020 and 02/12/2020

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	98	72.0
CCA2	Dublin South East	163	131.8
CCA3	Dublin South City	95	63.4
CCA4	Dublin South West	125	77.7
CCA5	Dublin West	121	77.9
CCA6	Dublin North West	208	100.2
CCA7	Dublin North Central	229	148.1
CCA8	Dublin North	184	71.0
Dublin		1,223	90.8

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.

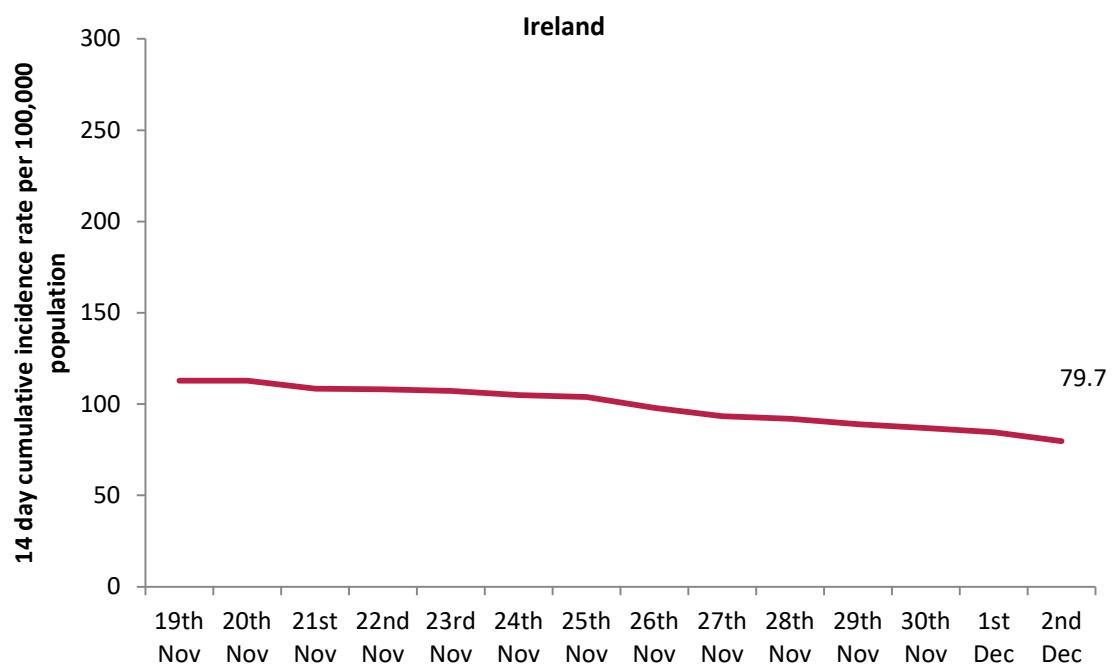


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (19/11/2020 to 02/12/2020)

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 19/11/2020 to midnight 02/12/2020 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	152			0	0
5-12 yrs	351	2	0.83	0	0
13-18 yrs	364	1	0.41	0	0
19-24 yrs	480	5	2.07	0	0
25-34 yrs	552	16	6.61	0	0
35-44 yrs	594	18	7.44	0	0
45-54 yrs	507	21	8.68	0	0
55-64 yrs	322	26	10.74	6	66.67
65-74 yrs	187	41	16.94	0	0
75-84 yrs	176	69	28.51	3	33.33
85+ yrs	107	43	17.77	0	0
Unknown	2			0	0
Total	3,794	242	100	9	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 09:26 on 03/12/2020. 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.

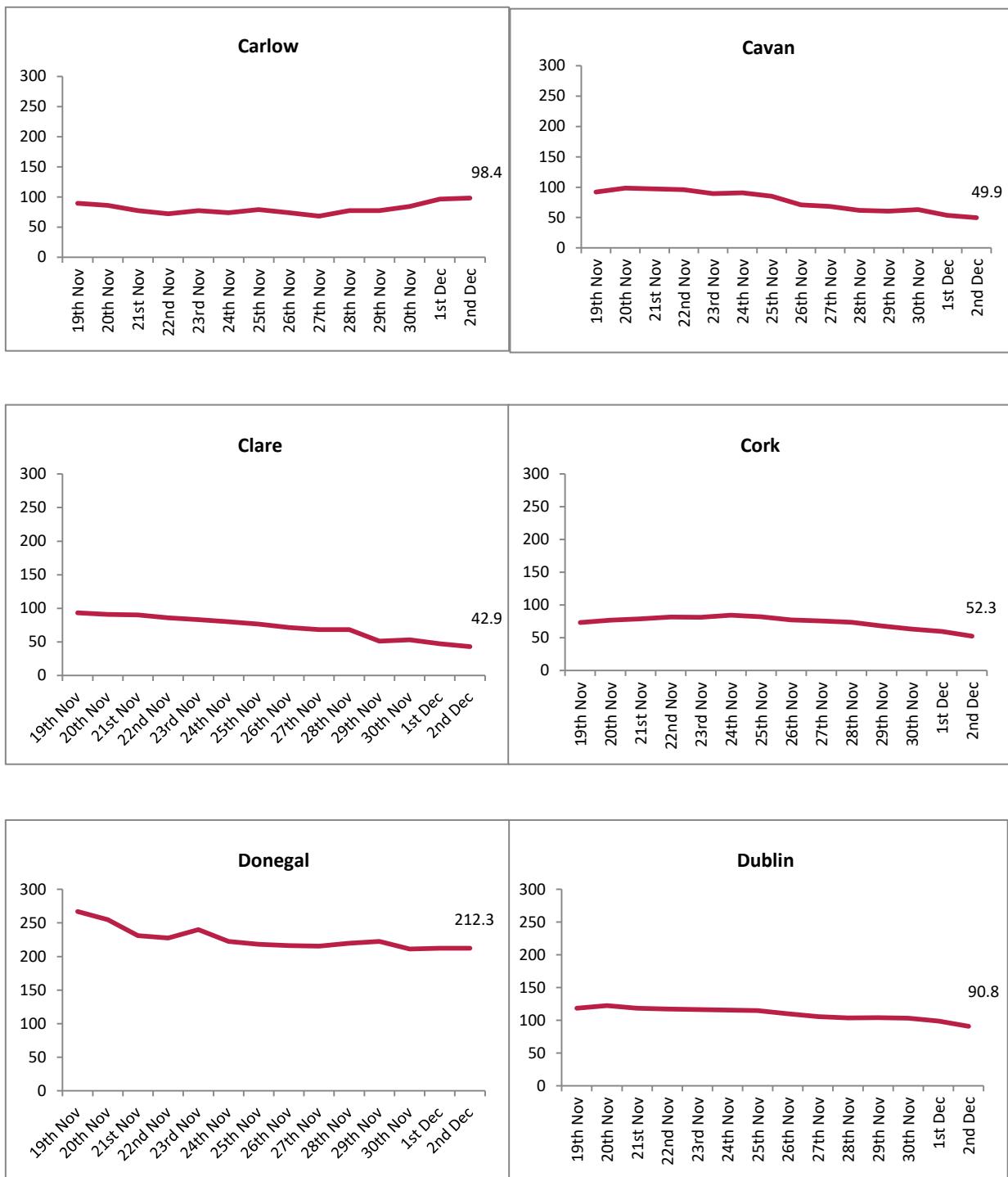
5. Outbreak location

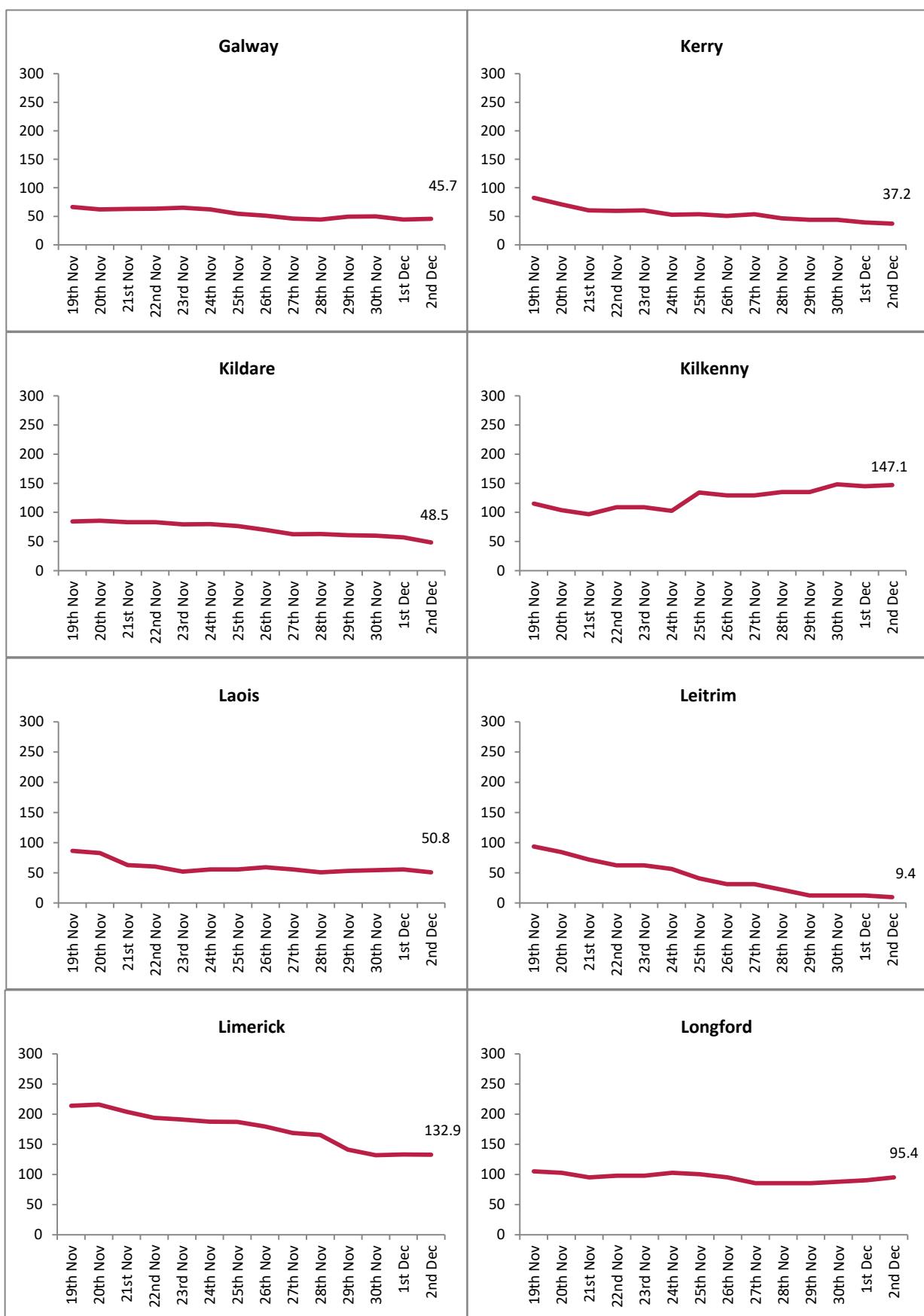
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

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 (19/11/2020 to 02/12/2020)





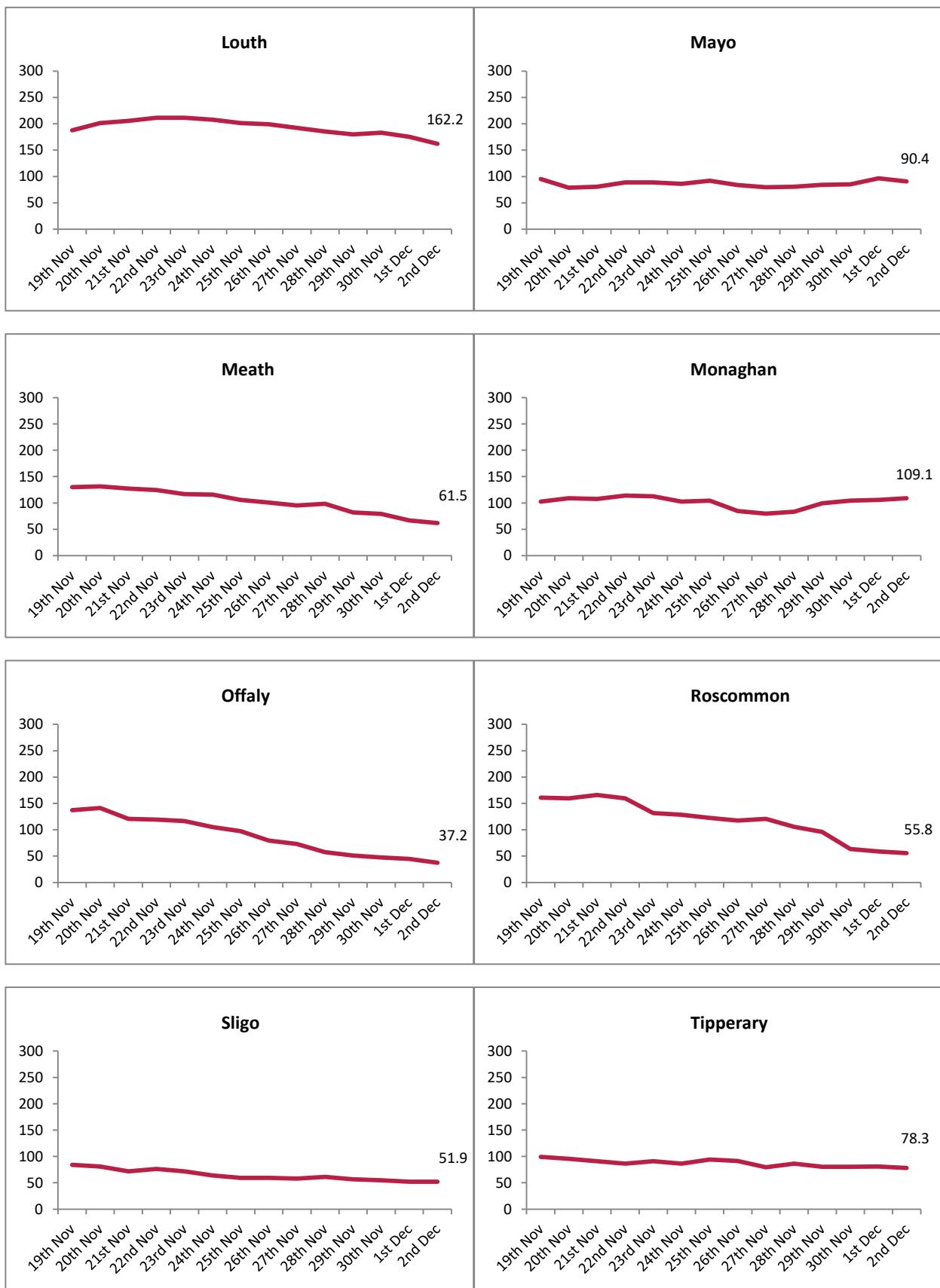




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (19/11/2020 to 02/12/2020)

