



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 06/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/11/2020 up to midnight 05/12/2020

	Number	Percent
Total number of confirmed cases	3,842	
National incidence of confirmed cases per 100,000 population	80.68	
Number of cases hospitalised*	235	6.12
Number of cases admitted to ICU*	11	0.29
Number of deaths among confirmed cases	15	0.39
Case fatality ratio (CFR, %)	0.39	
National incidence of confirmed deaths per 100,000 population	0.32	
Number of cases** associated with clusters	1,209	31.47
Number of imported cases	7	0.18
Number of cases in healthcare workers	447	11.63
Males	1,897	49.38
Females	1,933	50.31
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
22/11/2020 - 05/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:18 on 06/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

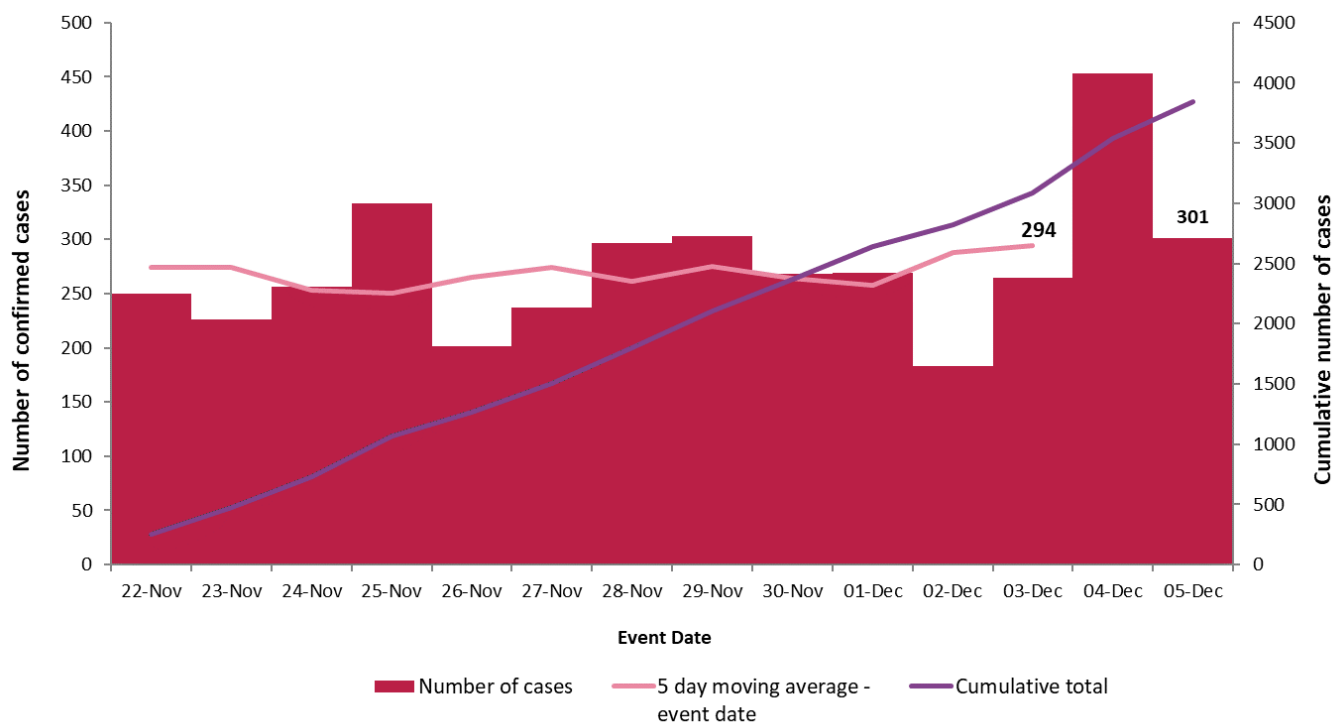


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,842)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/11/2020 up to midnight on 05/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,842	100
Sex	Male:Female ratio	0.98	
	Male	1,897	49.38
	Female	1,933	50.31
	Unknown	12	0.31
Age	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 102	
	0-4 yrs	173	4.5
	5-12 yrs	370	9.63
	13-18 yrs	312	8.12
	19-24 yrs	439	11.43
	25-34 yrs	583	15.17
	35-44 yrs	581	15.12
	45-54 yrs	529	13.77
	55-64 yrs	336	8.75
	65-74 yrs	204	5.31
	75-84 yrs	183	4.76
	85+ yrs	131	3.41
	Unknown	1	0.03
Underlying clinical conditions	Yes	1,131	29.44
	No	2,120	55.18
	Unknown	591	15.38
Symptom status at time of test*	Yes	2,215	57.65
	No	958	24.93
	Unknown	669	17.41

*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 22/11/2020 to midnight 05/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	512	130.9
CHO2	265	58.5
CHO3	353	91.7
CHO4	257	37.2
CHO5	441	86.4
CHO6	478	124.7
CHO7	457	64.6
CHO8	455	73.5
CHO9	624	100.4
Unknown	0	
Total	3,842	80.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/11/2020 to midnight 05/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	62	108.9
Cavan	46	60.4
Clare	40	33.7
Cork	207	38.1
Donegal	358	224.9
Dublin	1280	95.0
Galway	131	50.8
Kerry	50	33.9
Kildare	108	48.5
Kilkenny	170	171.3
Laois	47	55.5
Leitrim	5	15.6
Limerick	275	141.1
Longford	37	90.5
Louth	205	159.1
Mayo	103	78.9
Meath	98	50.2
Monaghan	79	128.7
Offaly	46	59.0
Roscommon	31	48.0
Sligo	24	36.6
Tipperary	143	89.6
Waterford	76	65.4
Westmeath	21	23.7
Wexford	29	19.4
Wicklow	171	120.1
Total	3,842	80.7

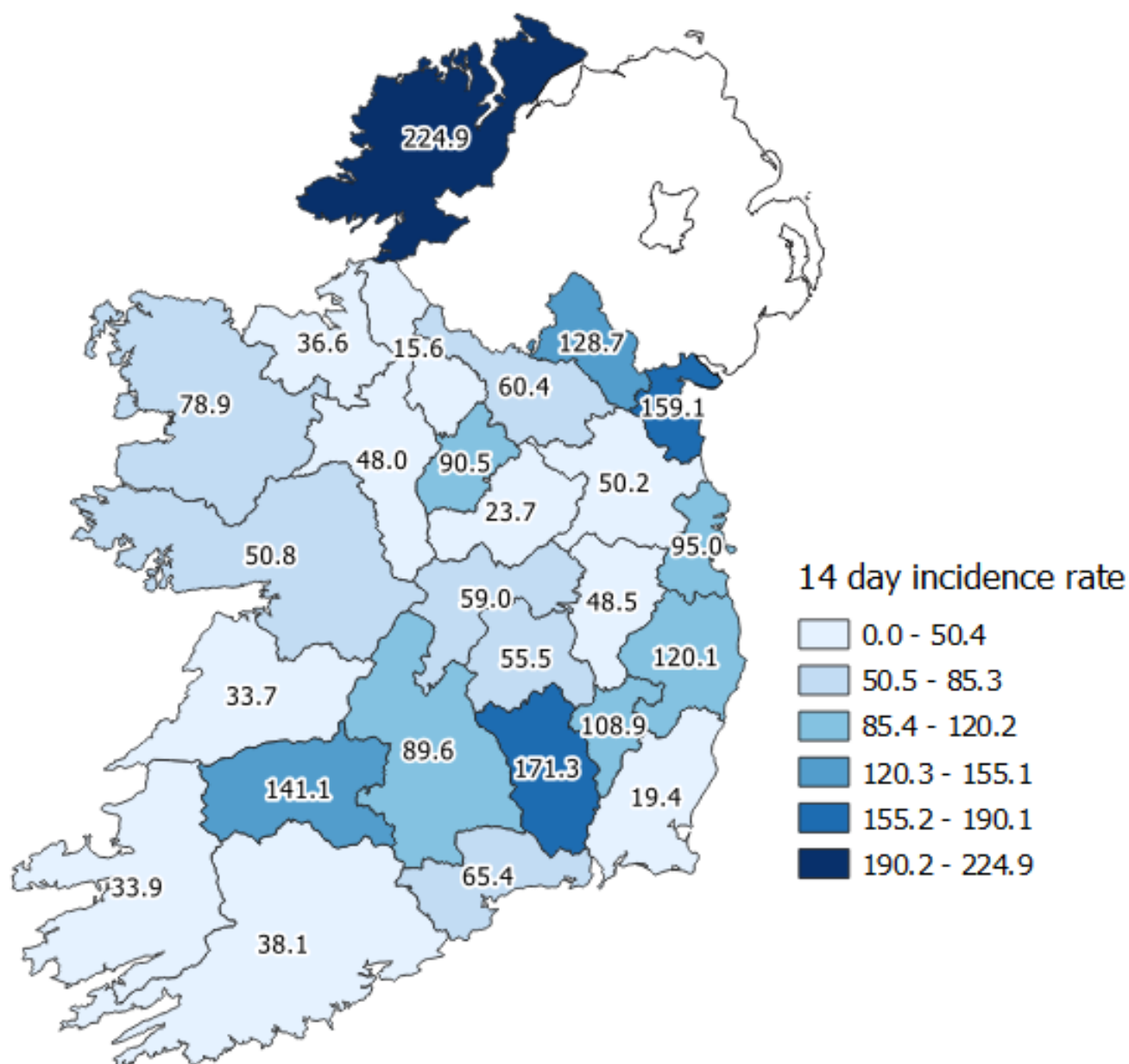


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/11/2020 and 05/12/2020

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 22/11/2020 and 05/12/2020

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	110	80.8
CCA2	Dublin South East	199	160.9
CCA3	Dublin South City	96	64.0
CCA4	Dublin South West	128	79.6
CCA5	Dublin West	123	79.2
CCA6	Dublin North West	214	103.0
CCA7	Dublin North Central	214	138.4
CCA8	Dublin North	196	75.6
Dublin		1280	95.0

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.

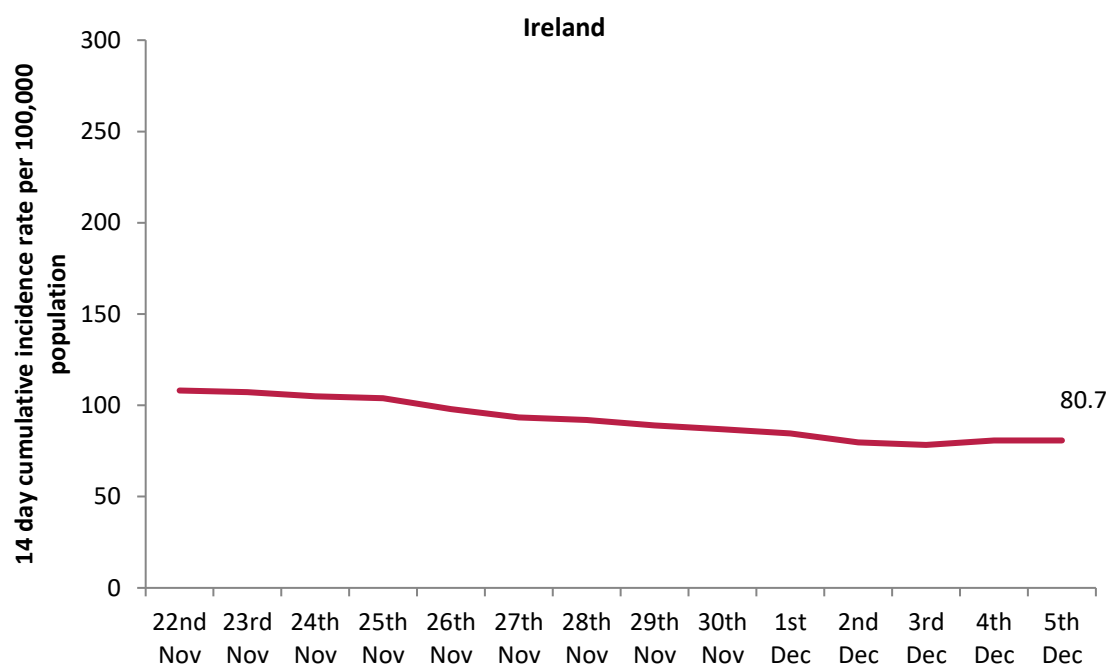


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (22/11/2020 to 05/12/2020)

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 22/11/2020 to midnight 05/12/2020 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	173	2	0.9	0	0
5-12 yrs	370	2	0.9	0	0
13-18 yrs	312	2	0.9	0	0
19-24 yrs	439	3	1.3	0	0
25-34 yrs	583	17	7.2	0	0
35-44 yrs	581	14	6.0	1	9.1
45-54 yrs	529	23	9.8	1	9.1
55-64 yrs	336	27	11.5	5	45.5
65-74 yrs	204	40	17.0	1	9.1
75-84 yrs	183	63	26.8	3	27.3
85+ yrs	131	42	17.9	0	0
Unknown	1			0	0
Total	3,842	235	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 day

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 09:18 on 06/12/2020. 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.

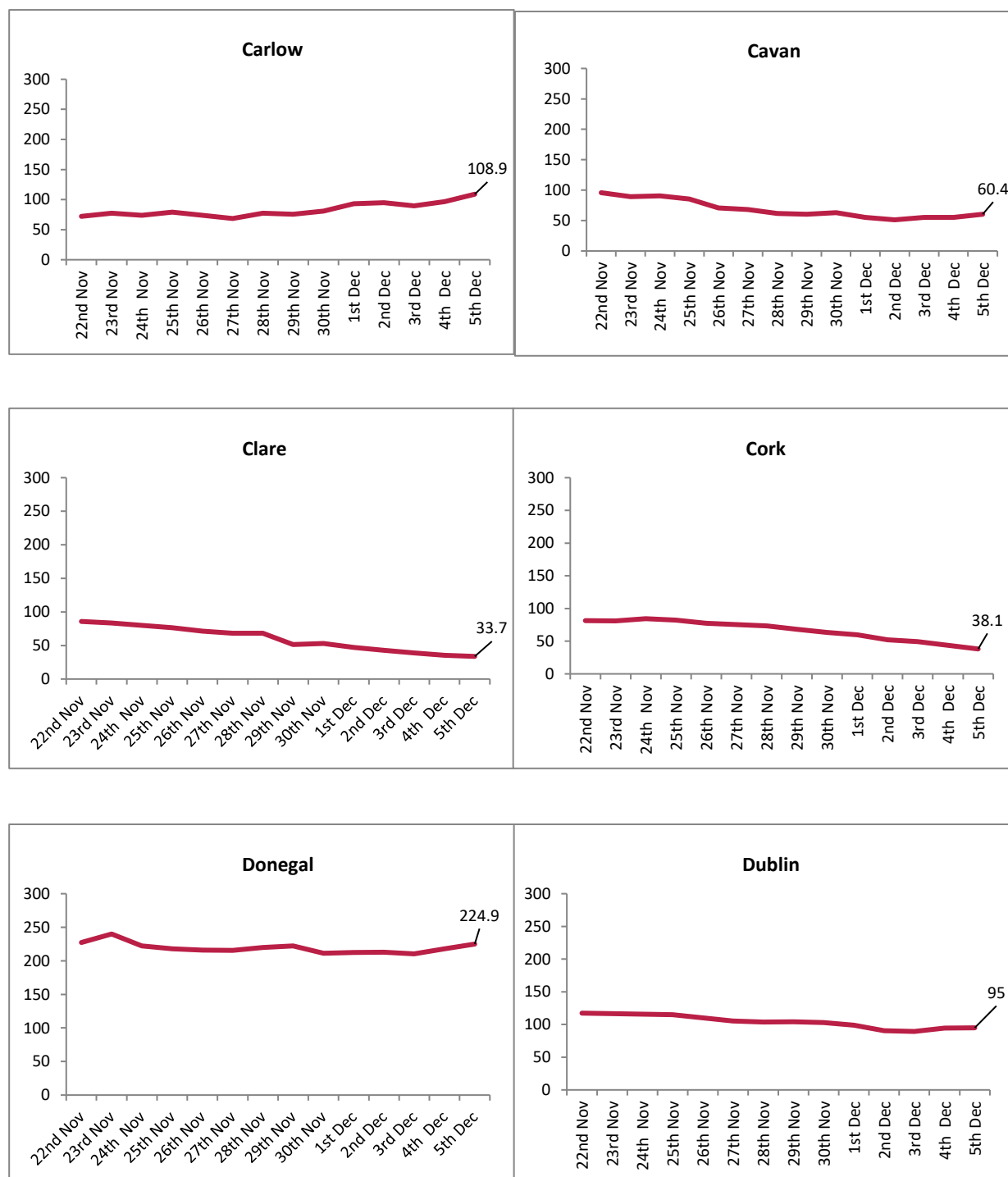
5. Outbreak location

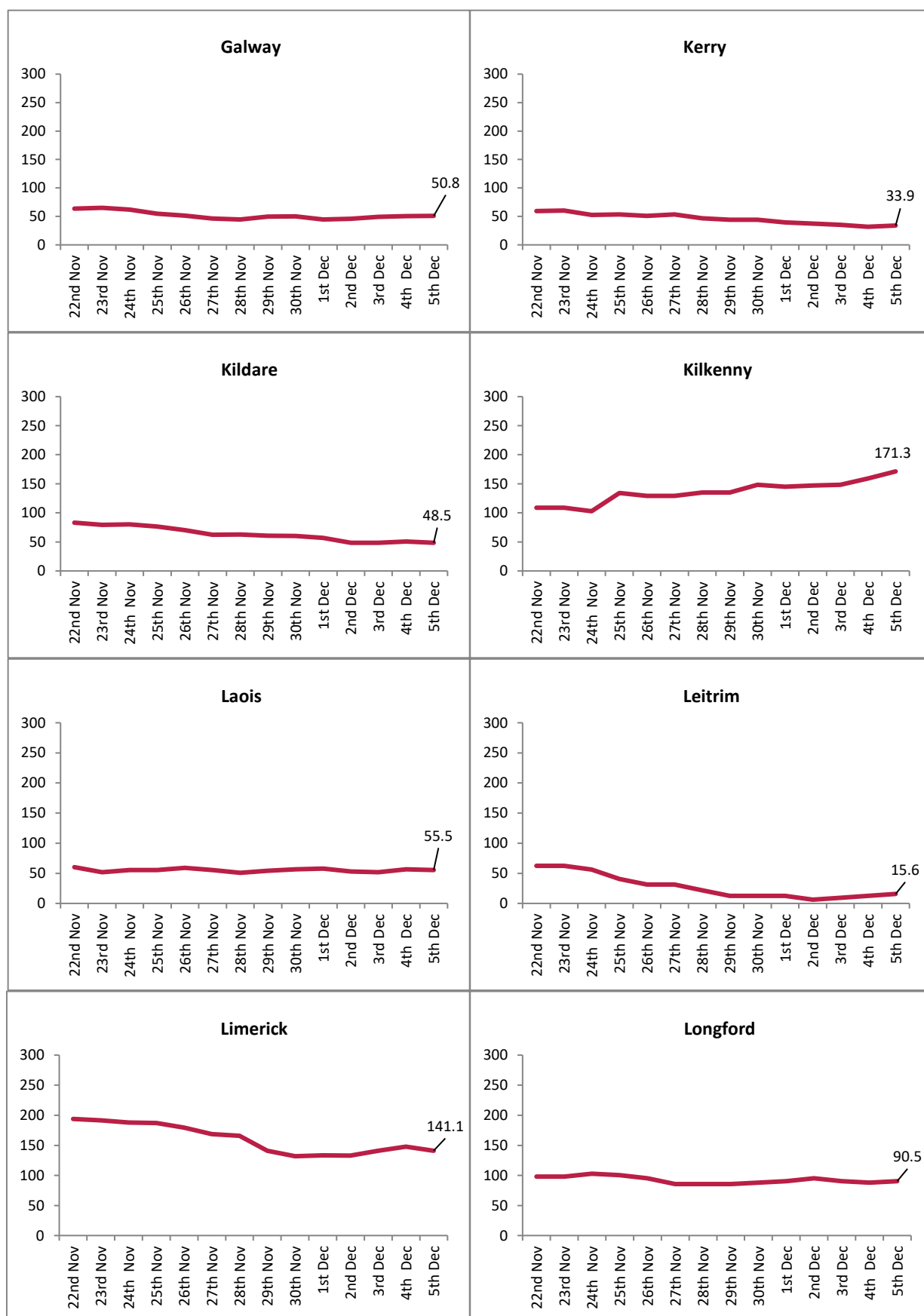
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

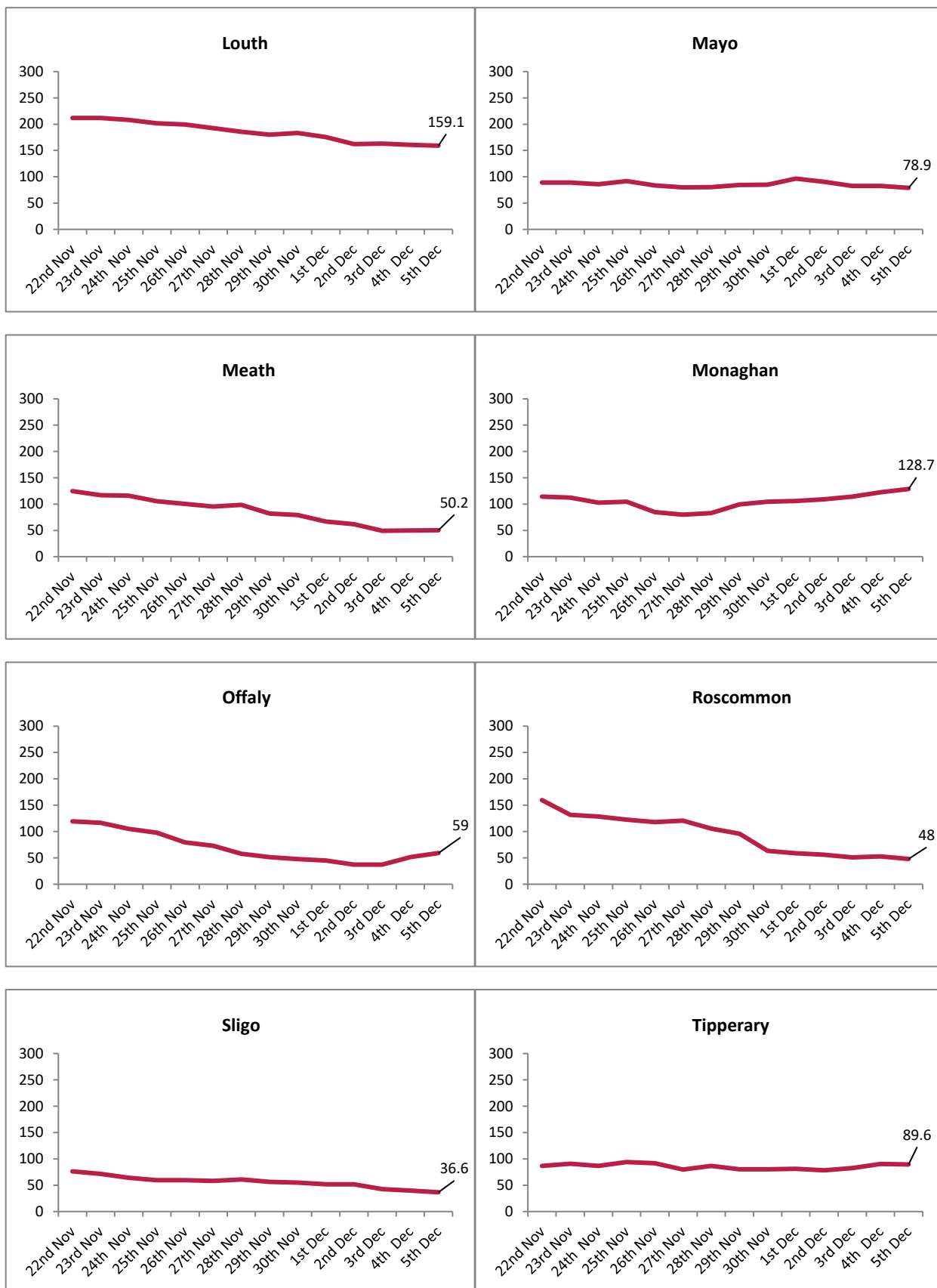
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (22/11/2020 to 05/12/2020)







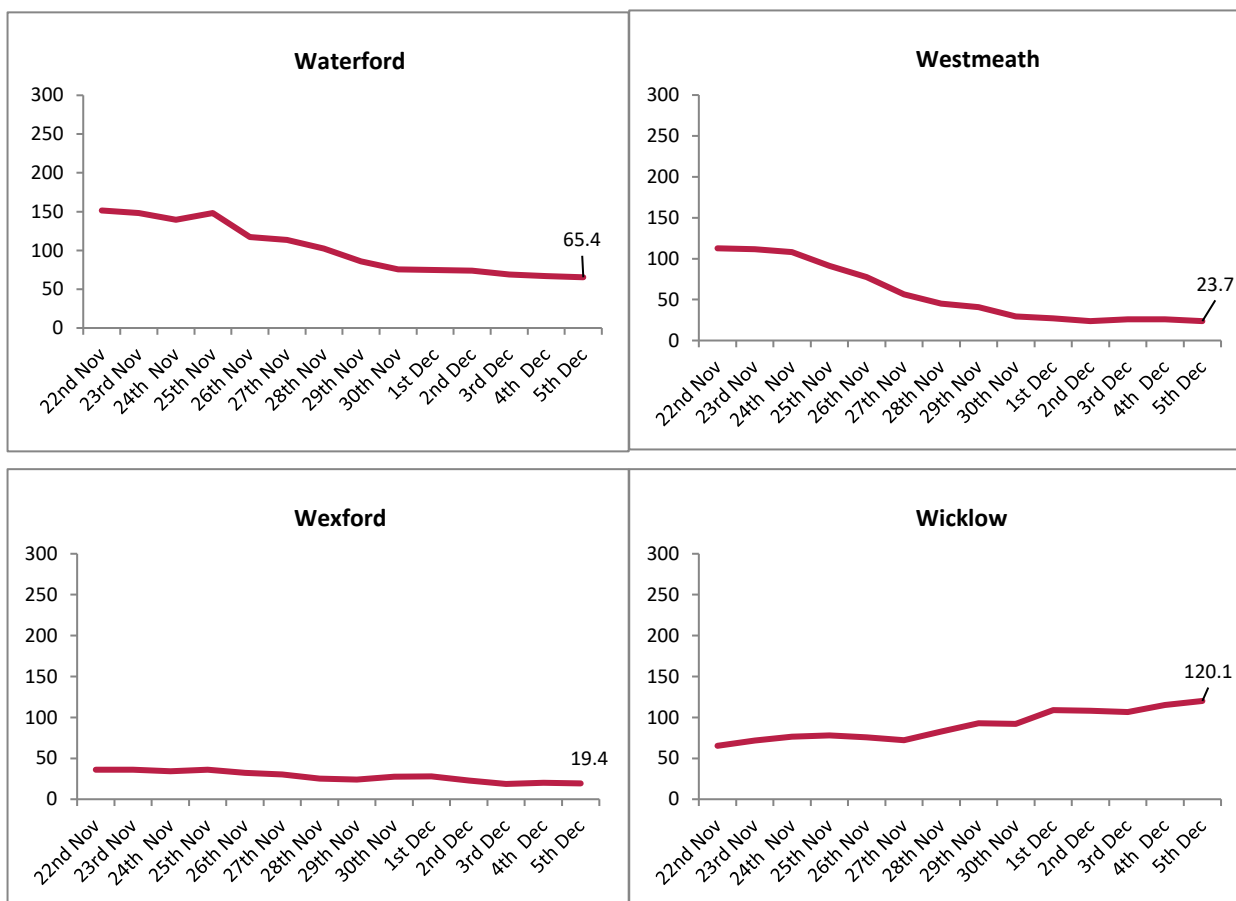
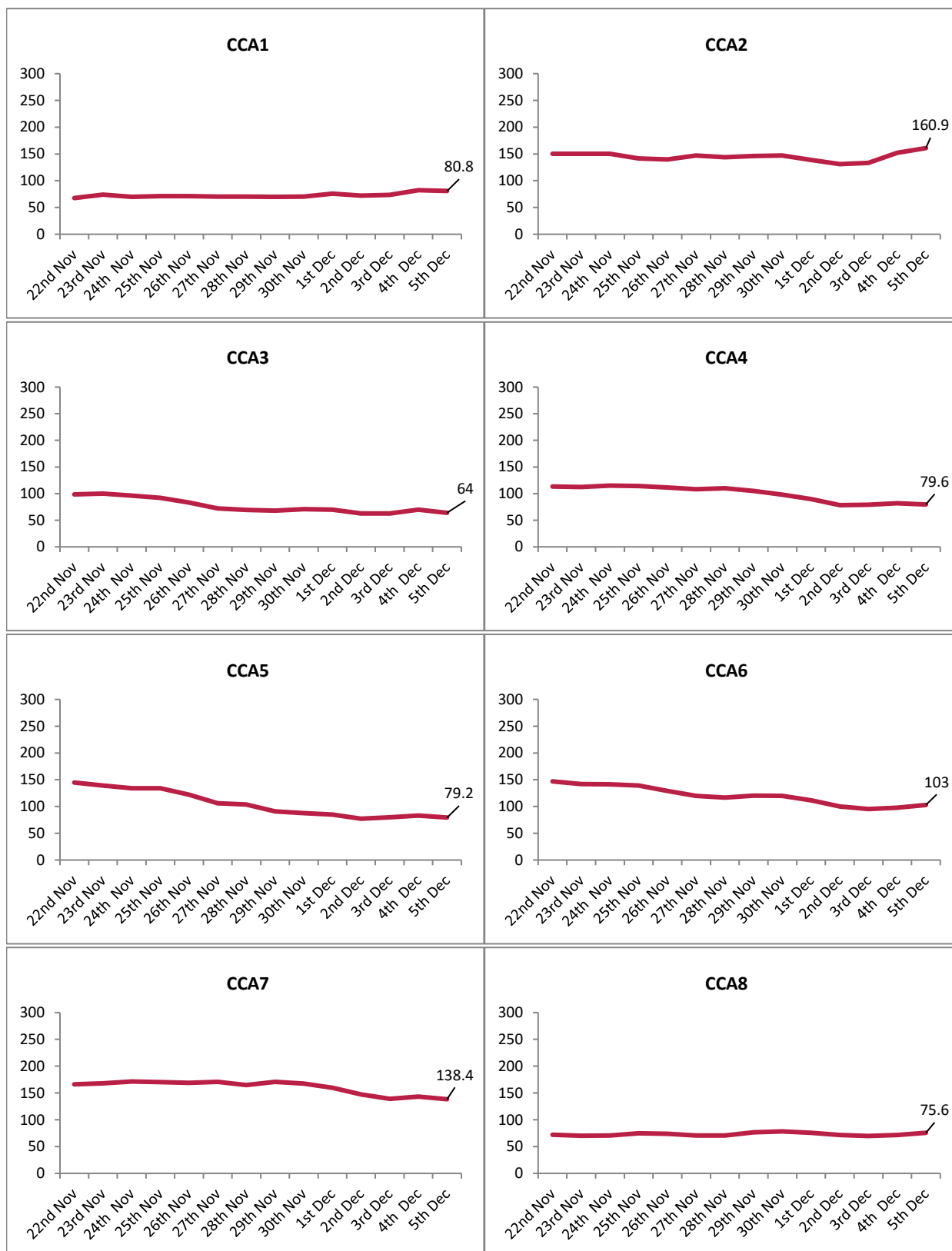


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (22/11/2020 to 05/12/2020)



Report prepared by Health Protection Surveillance Centre on 06/12/2020