



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 24/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 10/11/2020 up to midnight 23/11/2020

	Number	Percent
Total number of confirmed cases	5,131	
National incidence of confirmed cases per 100,000 population	107.75	
Number of cases hospitalised*	339	6.61
Number of cases admitted to ICU*	11	0.21
Number of deaths among confirmed cases	21	0.41
Case fatality ratio (CFR, %)	0.41	
National incidence of confirmed deaths per 100,000 population	0.44	
Number of cases** associated with clusters	2,036	39.68
Number of imported cases	6	0.12
Number of cases in healthcare workers	647	12.61
Males	2,454	47.83
Females	2,664	51.92
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
10/11/2020 - 23/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:24 on 24/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

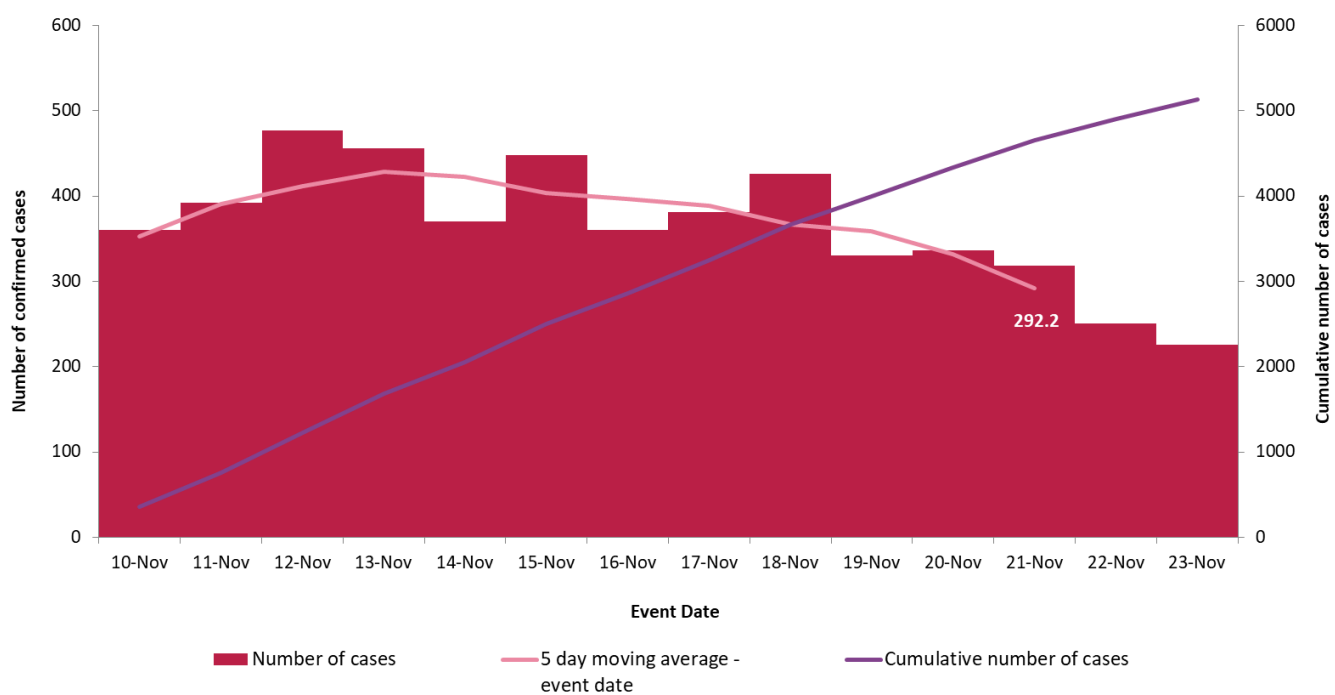


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 10/11/2020 to midnight 23/11/2020 (n=5,131)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 10/11/2020 up to midnight on 23/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,131	100
Sex	Male:Female ratio	0.92	
	Male	2,454	47.83
	Female	2,664	51.92
	Unknown	13	0.25
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 108	
	0-4 yrs	218	4.25
	5-12 yrs	411	8.01
	13-18 yrs	483	9.41
	19-24 yrs	634	12.36
	25-34 yrs	793	15.46
	35-44 yrs	793	15.46
	45-54 yrs	715	13.93
	55-64 yrs	453	8.83
	65-74 yrs	249	4.85
	75-84 yrs	223	4.35
	85+ yrs	158	3.08
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,282	24.99
	No	3,376	65.8
	Unknown	473	9.22
Symptom status at time of test*	Yes	3,079	60.01
	No	1,452	28.3
	Unknown	600	11.69

*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 10/11/2020 to midnight 23/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	585	147.0
CHO2	369	84.3
CHO3	520	137.1
CHO4	531	77.0
CHO5	480	93.7
CHO6	400	100.0
CHO7	733	105.8
CHO8	775	129.2
CHO9	738	120.7
Total	5,131	107.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 10/11/2020 to midnight 23/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	382	240.0
Louth	273	211.8
Limerick	375	192.4
Waterford	175	150.6
Roscommon	85	131.7
Dublin	1590	118.0
Meath	228	116.9
Offaly	91	116.7
Monaghan	69	112.4
Westmeath	99	111.5
Kilkenny	107	107.8
Longford	40	97.9
Tipperary	145	90.9
Cavan	68	89.3
Mayo	116	88.9
Clare	99	83.3
Cork	441	81.2
Kildare	178	80.0
Carlow	45	79.0
Wicklow	103	72.3
Sligo	47	71.7
Galway	168	65.1
Leitrim	20	62.4
Kerry	90	60.9
Laois	42	49.6
Wexford	55	36.7
Total	5,131	107.8

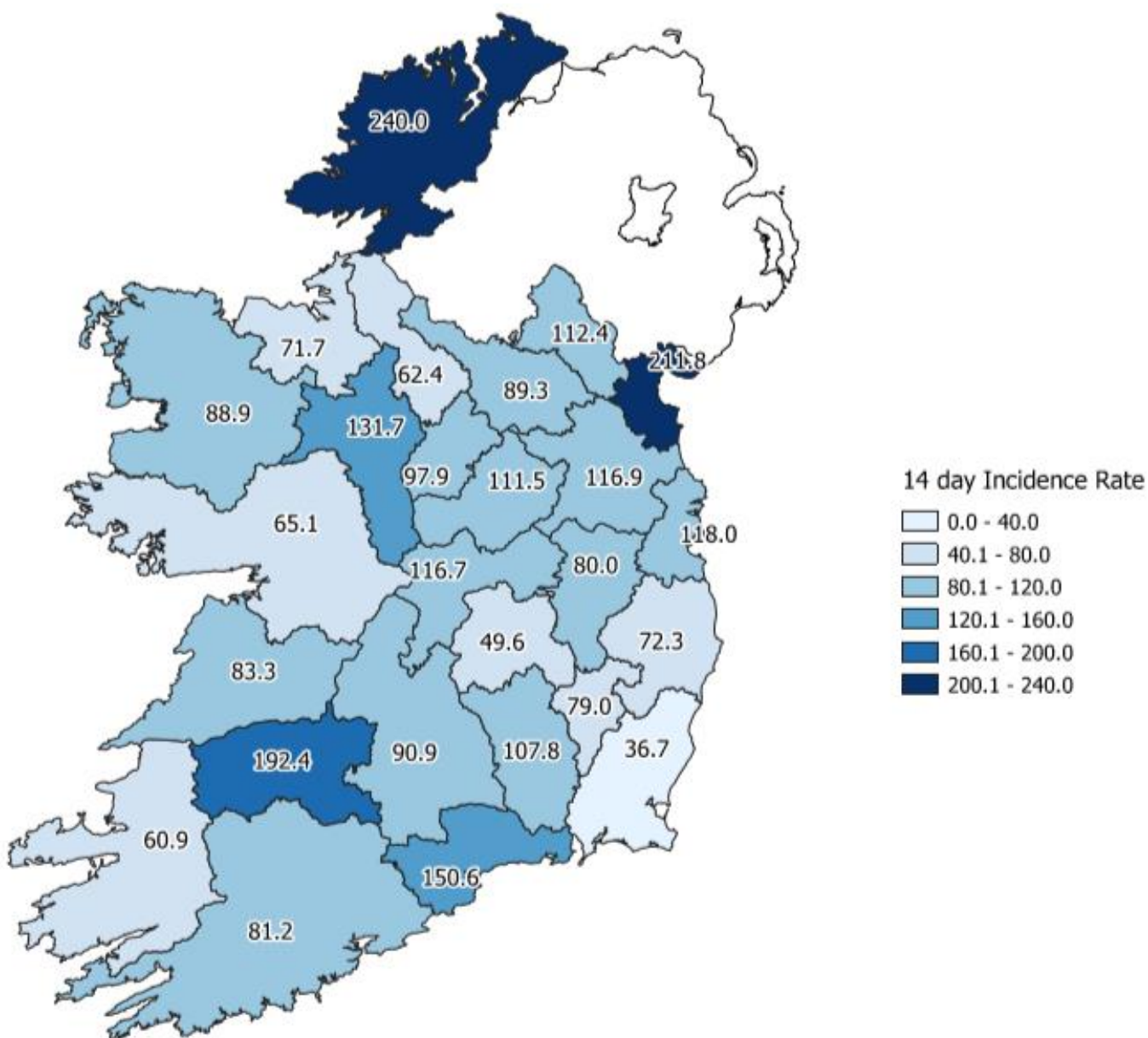


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 10/11/2020 and 23/11/2020

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 10/11/2020 and 23/11/2020

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	102	75.0
CCA2	Dublin South East	200	161.7
CCA3	Dublin South City	148	98.7
CCA4	Dublin South West	178	110.6
CCA5	Dublin West	224	144.2
CCA6	Dublin North West	290	139.6
CCA7	Dublin North Central	274	177.3
CCA8	Dublin North	174	67.1
Dublin		1590	118.0

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.

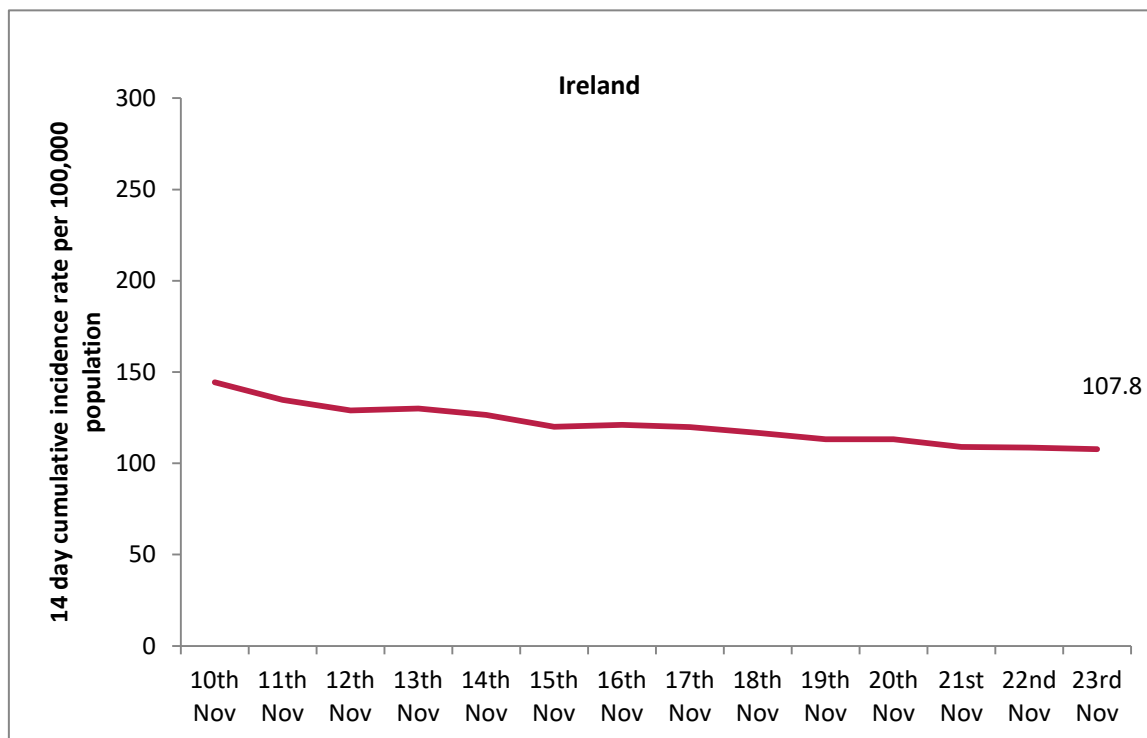


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (23/11/2020 to 10/11/2020)

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 4 of this report

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 10/11/2020 to midnight 23/11/2020 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	218	3	0.9	0	0.0
5-12 yrs	411	1	0.3	0	0.0
13-18 yrs	483	10	2.9	0	0.0
19-24 yrs	634	9	2.7	0	0.0
25-34 yrs	793	15	4.4	0	0.0
35-44 yrs	793	24	7.1	1	9.1
45-54 yrs	715	31	9.1	0	0.0
55-64 yrs	453	34	10.0	4	36.4
65-74 yrs	249	51	15.0	2	18.2
75-84 yrs	223	100	29.5	4	36.4
85+ yrs	158	61	18.0	0	0.0
Unknown	1			0	0.0
Total	5,131	339	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 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 11:24 on 11/24/20. 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.

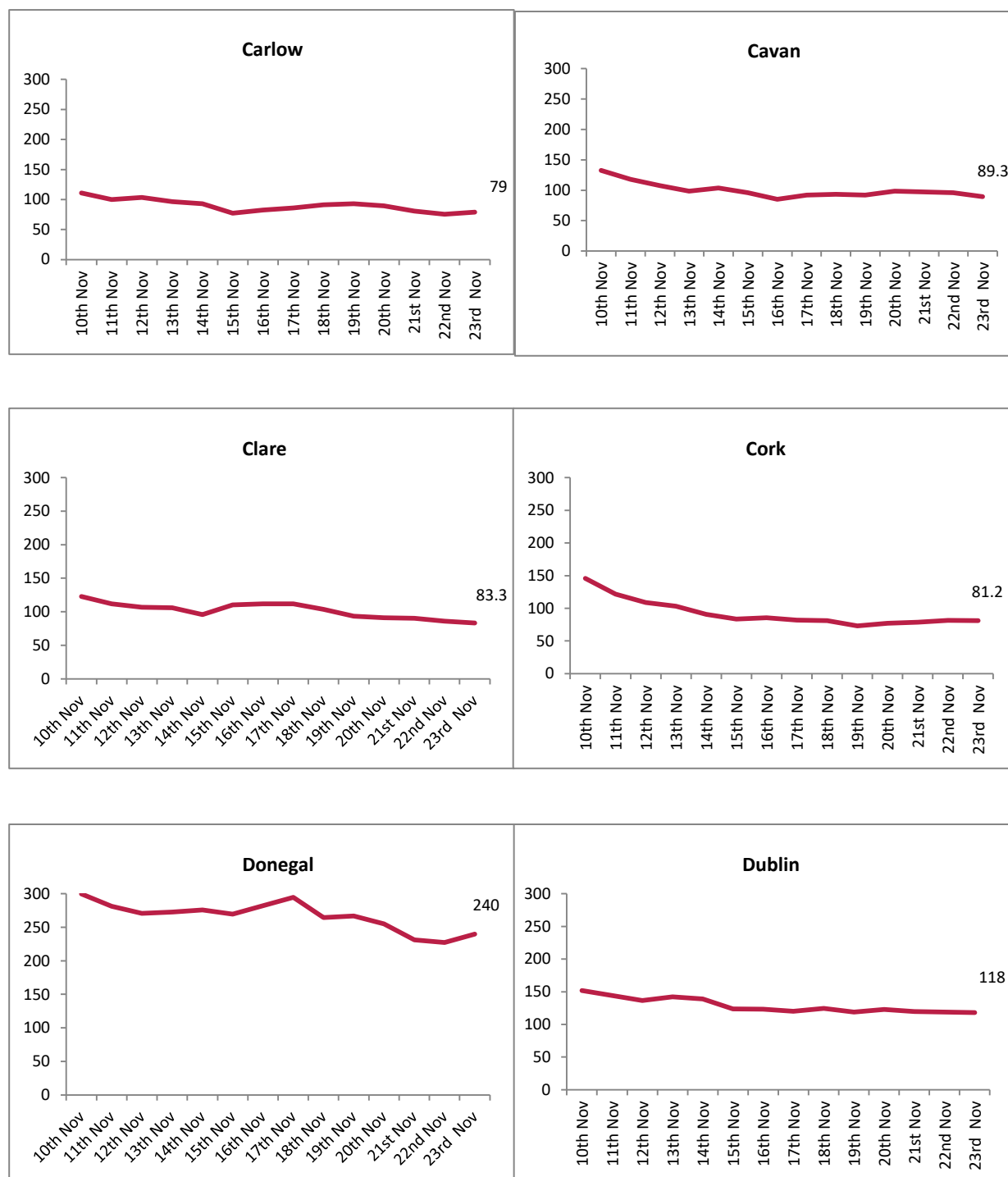
5. Outbreak location

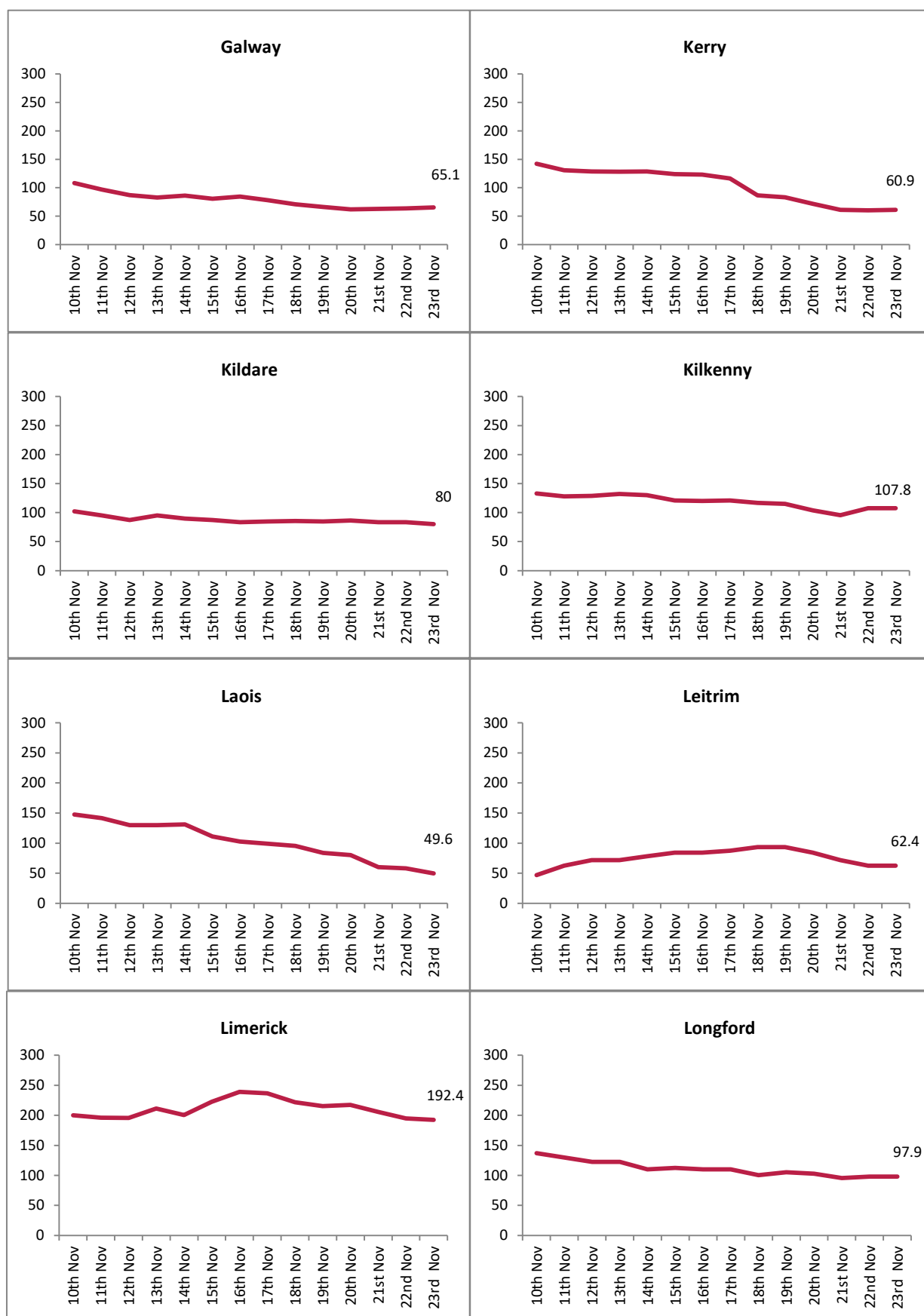
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

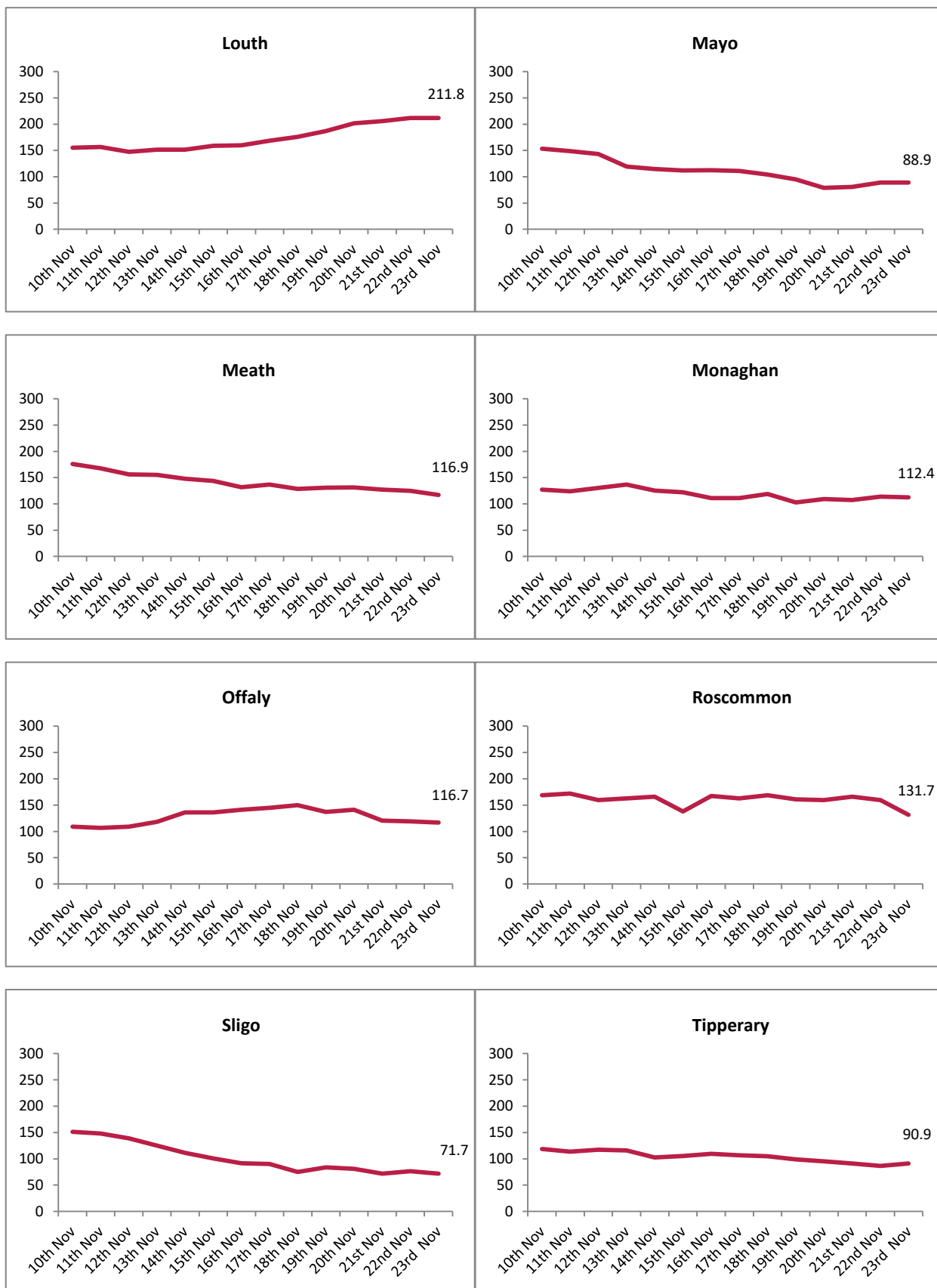
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 4

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (10/11/2020 to 23/11/2020)







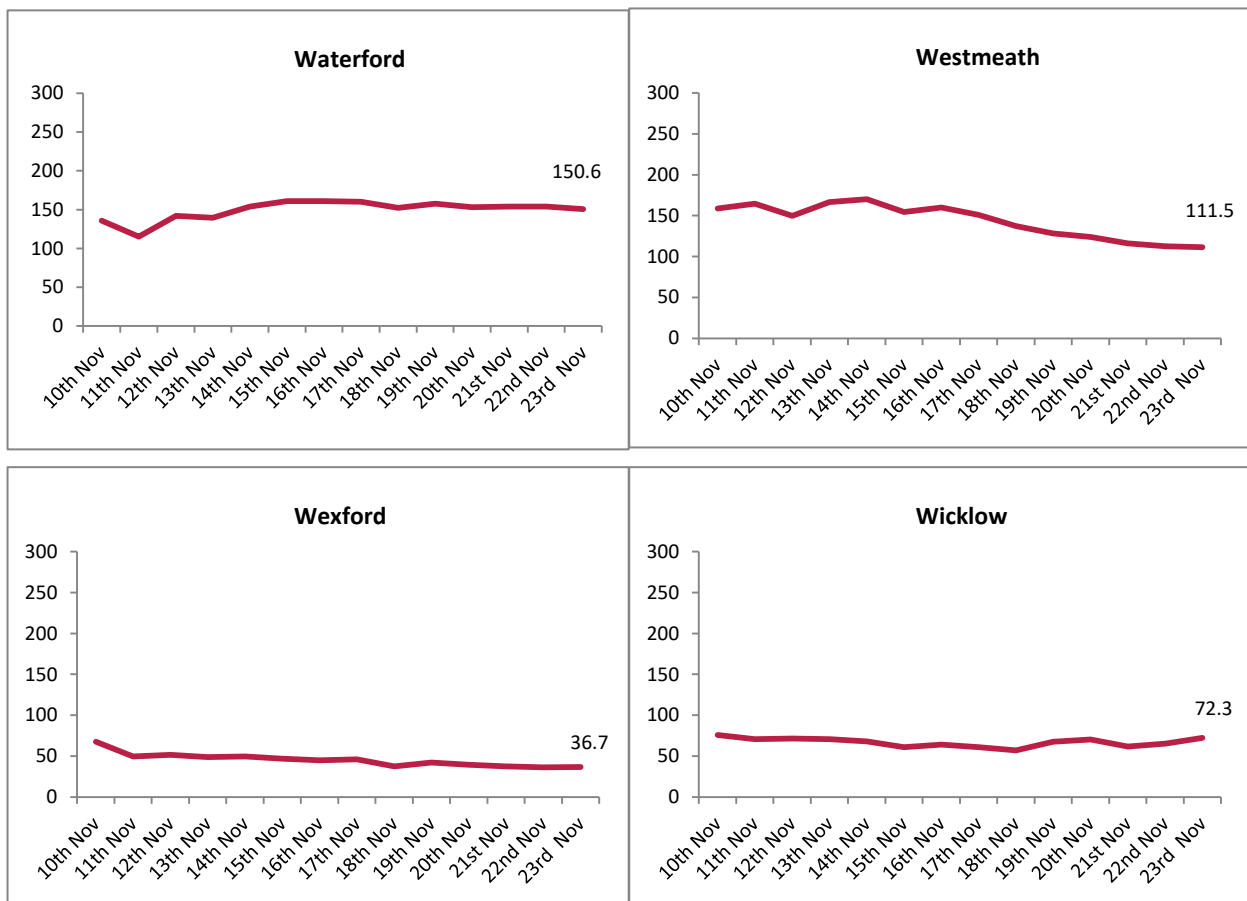
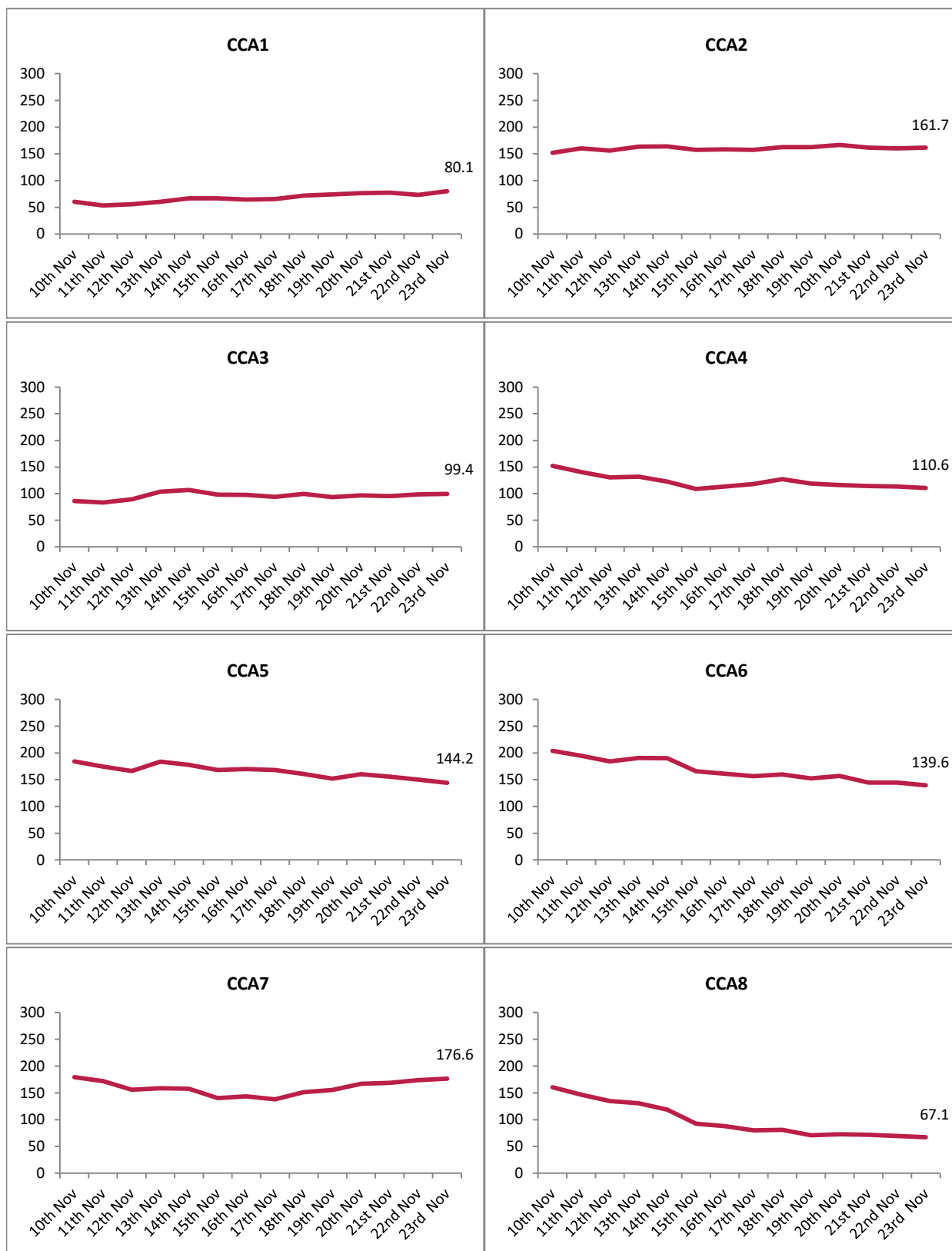


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (10/11/2020 to 23/11/2020)



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