Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 25/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 11/11/2020 up to midnight 24/11/2020

	Number	Percent
Total number of confirmed cases	5,026	
National incidence of confirmed cases per 100,000 population	105.55	
Number of cases hospitalised*	333	6.63
Number of cases admitted to ICU*	15	0.3
Number of deaths among confirmed cases	22	0.44
Case fatality ratio (CFR, %)	0.44	
National incidence of confirmed deaths per 100,000 population	0.46	
Number of cases** associated with clusters	1,977	39.34
Number of imported cases	5	0.1
Number of cases in healthcare workers	613	12.2
Males	2,383	47.41
Females	2,630	52.33
M:F ratio	0.91	
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 11/11/2020 - 24/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:19 on 25/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
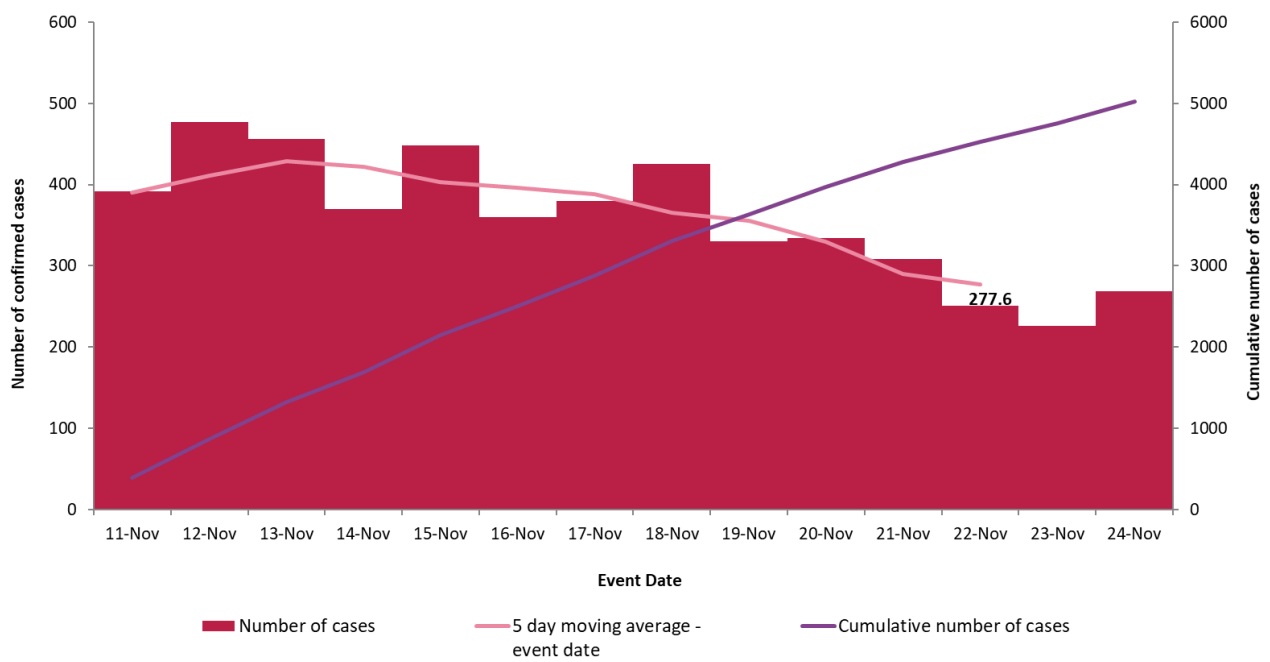
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 11/11/2020 to midnight 24/11/2020 (n=5,026)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 11/11/2020 up to midnight on 24/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**5,026**	**100**
Sex	Male:Female ratio	0.91	
	Male	2,383	47.41
	Female	2,630	52.33
	Unknown	13	0.26
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 108	
	0-4 yrs	209	4.16
	5-12 yrs	420	8.36
	13-18 yrs	484	9.63
	19-24 yrs	619	12.32
	25-34 yrs	779	15.5
	35-44 yrs	786	15.64
	45-54 yrs	674	13.41
	55-64 yrs	445	8.85
	65-74 yrs	248	4.93
	75-84 yrs	213	4.24
	85+ yrs	148	2.94
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,258	25.03
	No	3,260	64.86
	Unknown	508	10.11
Symptom status at time of test*	Yes	2,964	58.97
	No	1,432	28.49
	Unknown	630	12.53

*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 11/11/2020 to midnight 24/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	545	139.3
CHO2	355	78.3
CHO3	505	131.2
CHO4	537	77.8
CHO5	452	88.6
CHO6	397	103.6
CHO7	724	102.3
CHO8	762	123.0
CHO9	749	120.5
Total	**5,026**	**105.5**

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 11/11/2020 to midnight 24/11/2020

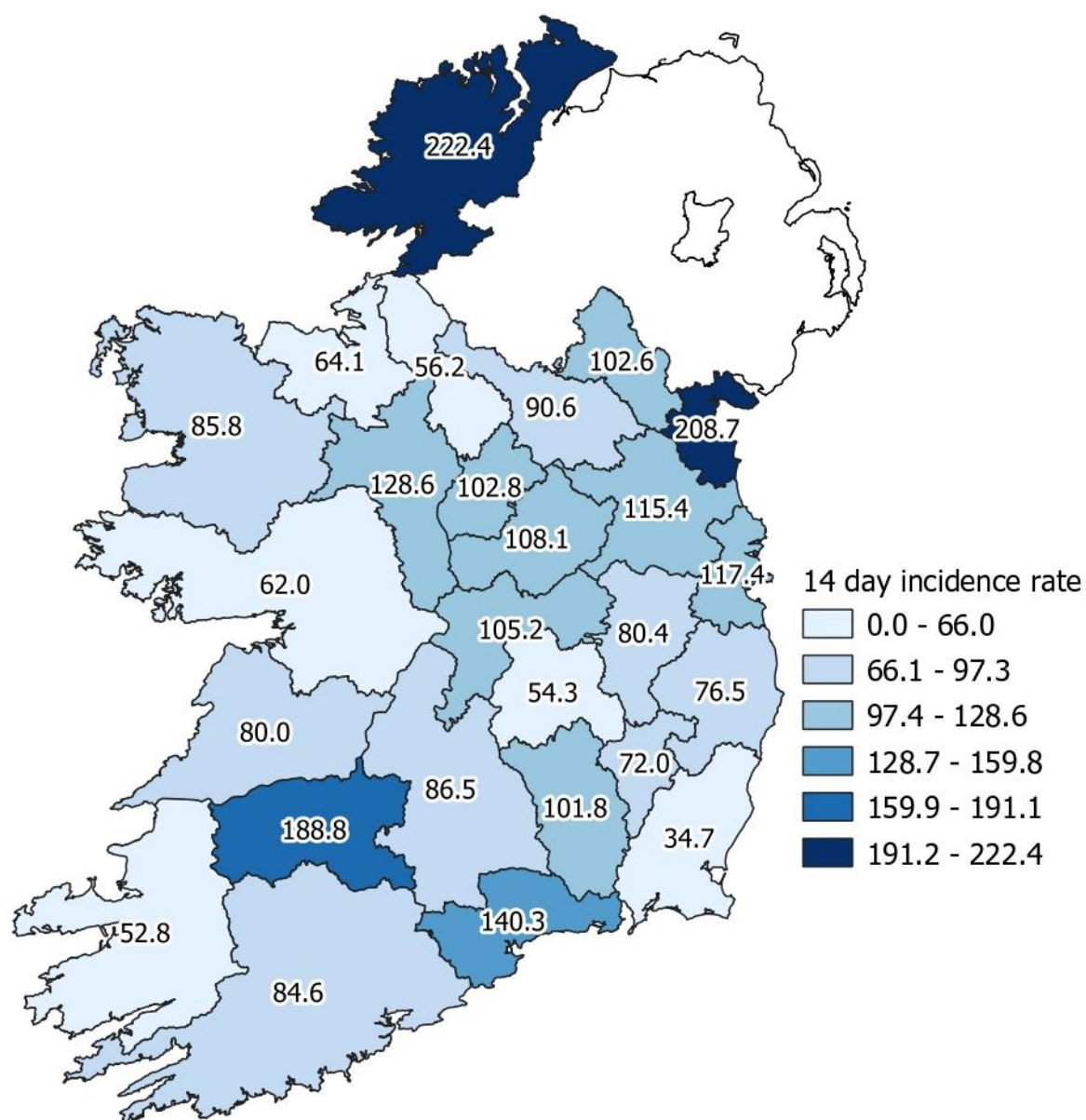| County	Number of confirmed cases	Incidence per 100,000 population
Donegal	354	222.4
Louth	269	208.7
Limerick	368	188.8
Waterford	163	140.3
Roscommon	83	128.6
Dublin	1582	117.4
Meath	225	115.4
Westmeath	96	108.1
Offaly	82	105.2
Longford	42	102.8
Monaghan	63	102.6
Kilkenny	101	101.8
Cavan	69	90.6
Tipperary	138	86.5
Mayo	112	85.8
Cork	459	84.6
Kildare	179	80.4
Clare	95	80.0
Wicklow	109	76.5
Carlow	41	72.0
Sligo	42	64.1
Galway	160	62.0
Leitrim	18	56.2
Laois	46	54.3
Kerry	78	52.8
Wexford	52	34.7
Total	**5,026**	**105.5**

Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 11/11/2020 and 24/11/2020

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 11/11/2020 and 24/11/2020

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	197	159.3
CCA3	Dublin South City	142	94.7
CCA4	Dublin South West	182	113.1
CCA5	Dublin West	215	138.4
CCA6	Dublin North West	292	140.6
CCA7	Dublin North Central	283	183.1
CCA8	Dublin North	174	67.1
	Dublin	**1,582**	**117.4**

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.
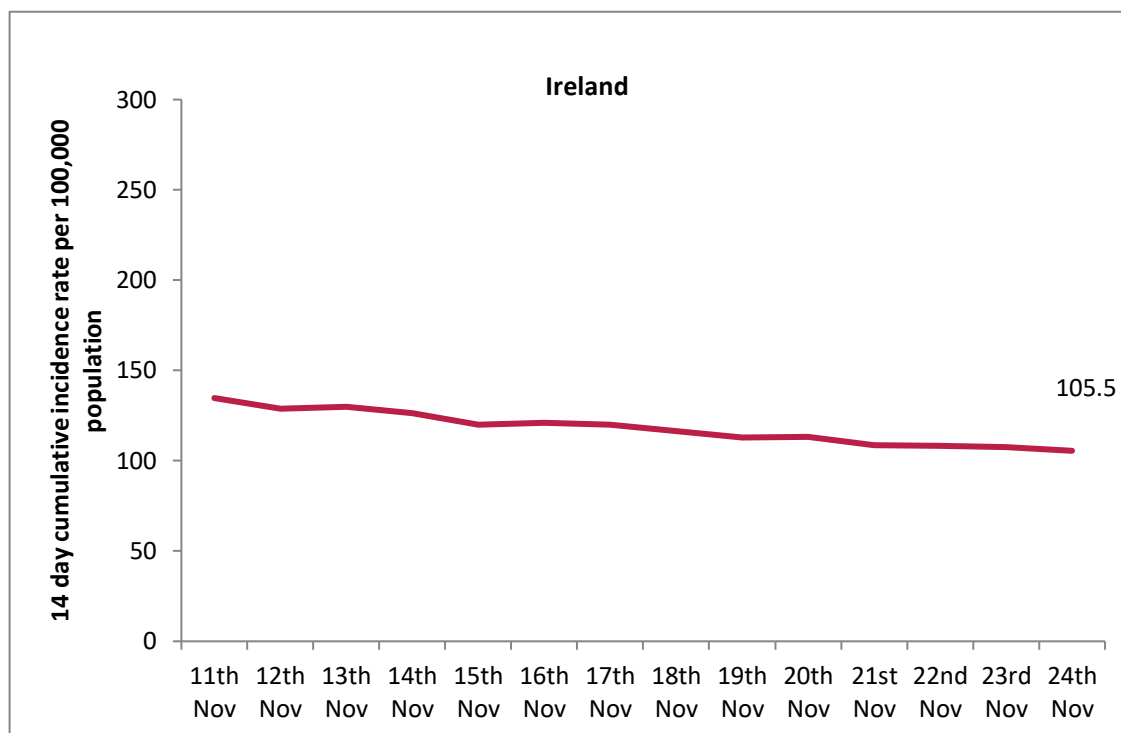
Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (24/11/2020 to 11/11/2020)

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 11/11/2020 to midnight 24/11/2020 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	209	2	0.60	0	0
5-12 yrs	420	1	0.30	0	0
13-18 yrs	484	10	3.00	0	0
19-24 yrs	619	9	2.70	0	0
25-34 yrs	779	16	4.80	0	0
35-44 yrs	786	24	7.21	2	13.33
45-54 yrs	674	30	9.01	0	0
55-64 yrs	445	34	10.21	4	26.67
65-74 yrs	248	52	15.62	4	26.67
75-84 yrs	213	96	28.83	5	33.33
85+ yrs	148	59	17.72	0	0
Unknown	1			0	0
Total	**5,026**	**333**	**100**	**15**	**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 11:19 on 25/11/2020. 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;
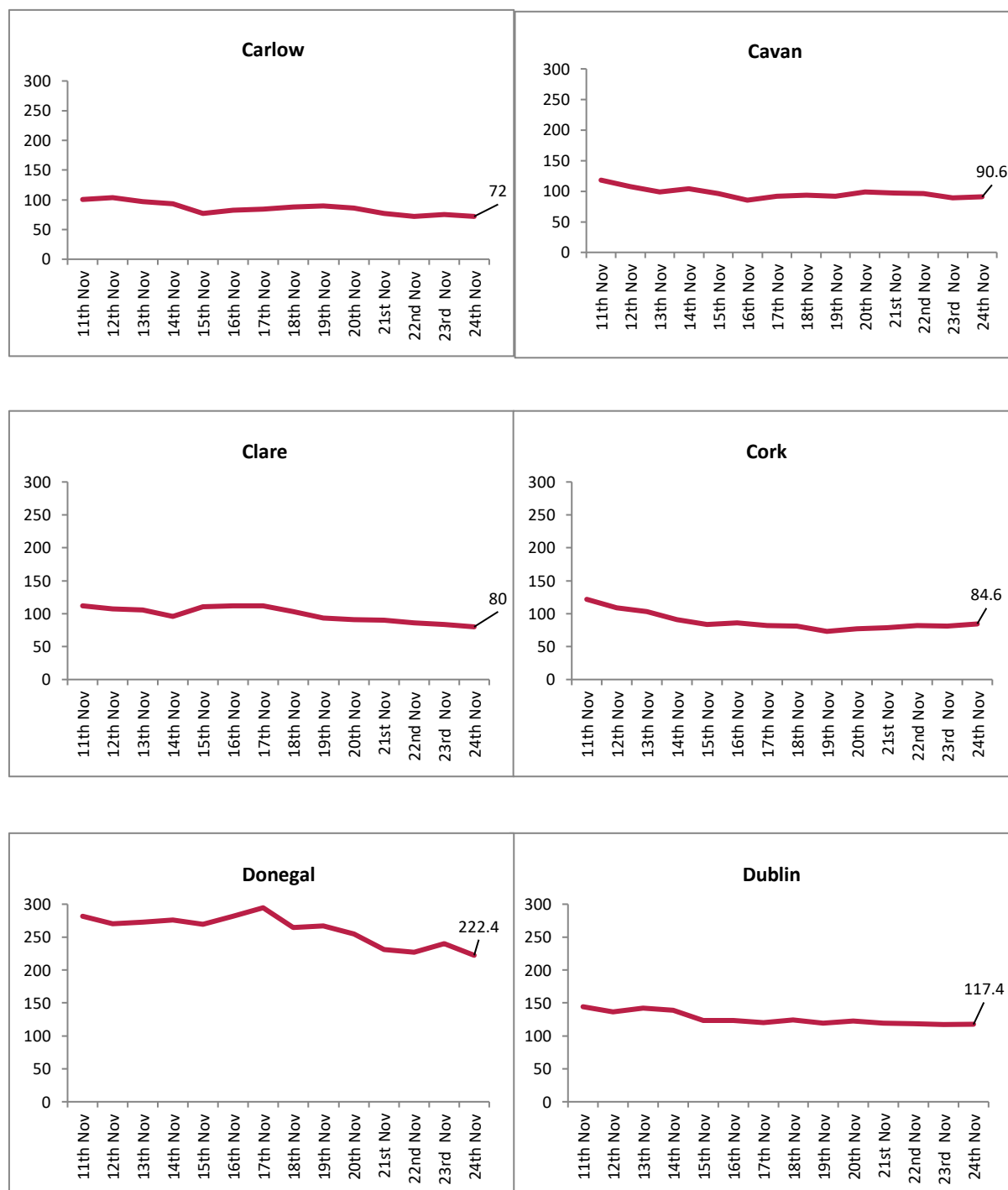 HSE West (W): Galway, Mayo & Roscommon.

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 (11/11/2020 to 24/11/2020)
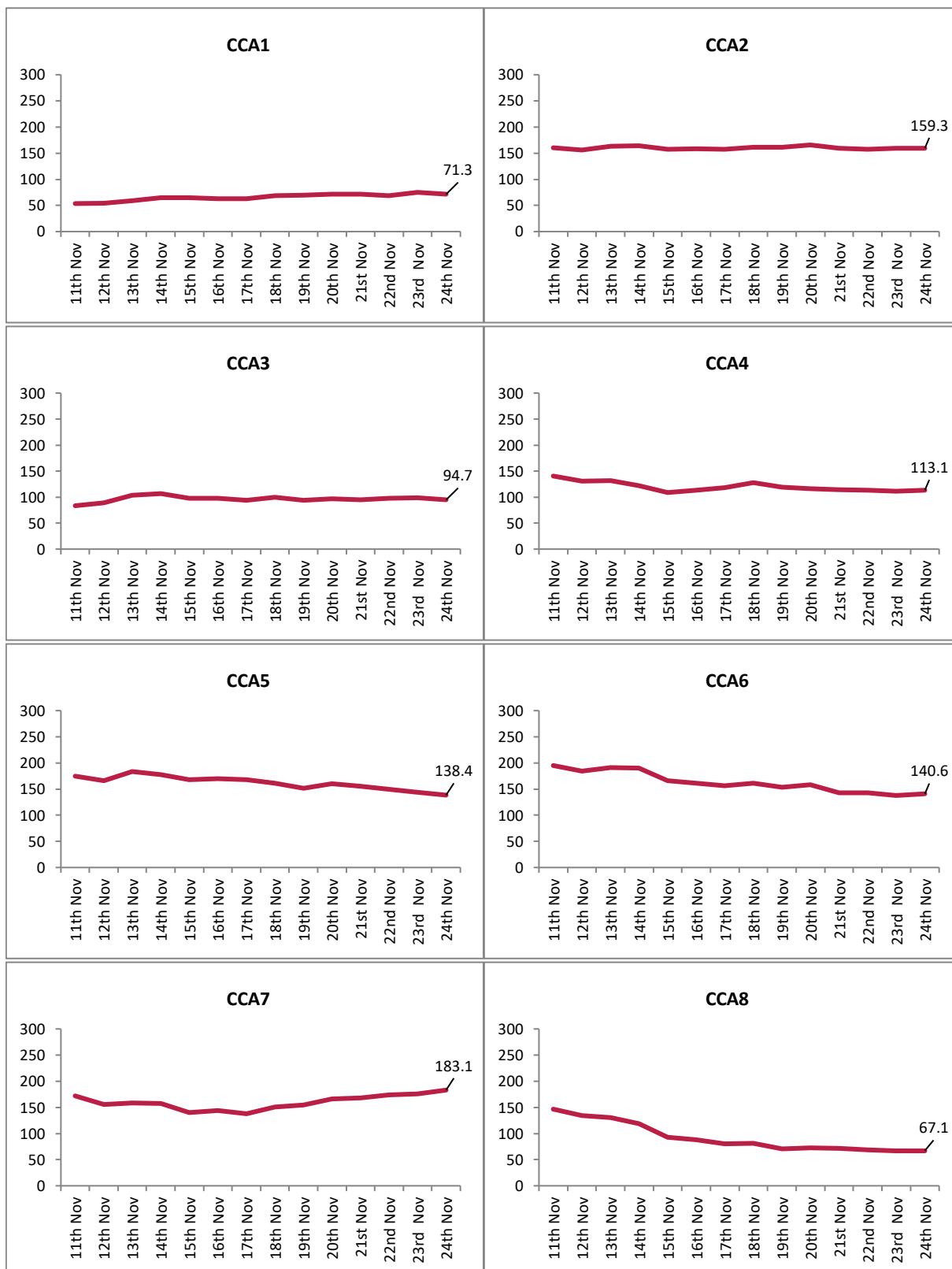
Galway

Kerry

Kildare

Kilkenny

Laois

Leitrim

Limerick

Longford

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Louth

208.7

Mayo

85.8

Meath

115.4

Monaghan

102.6

Offaly

105.2

Roscommon

128.6

Sligo

64.1

Tipperary

86.5

Report prepared by Health Protection Surveillance Centre on 25/11/2020

Waterford

140.3

Westmeath

108.1

Wexford

34.7

Wicklow

76.5

Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (11/11/2020 to 24/11/2020)