Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 28/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 14/11/2020 up to midnight 27/11/2020

	Number	Percent
Total number of confirmed cases	4,464	
National incidence of confirmed cases per 100,000 population	93.74	
Number of cases hospitalised*	304	6.81
Number of cases admitted to ICU*	13	0.29
Number of deaths among confirmed cases	20	0.45
Case fatality ratio (CFR, %)	0.45	
National incidence of confirmed deaths per 100,000 population	0.42	
Number of cases** associated with clusters	1,602	35.89
Number of imported cases	2	0.04
Number of cases in healthcare workers	542	12.14
Males	2,136	47.85
Females	2,315	51.86
M:F ratio	0.92	
Median age (years)	35	
Mean age (years)	37	
Age range (years)	0 - 98	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14days 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 14/11/2020 - 27/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:51 on 28/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
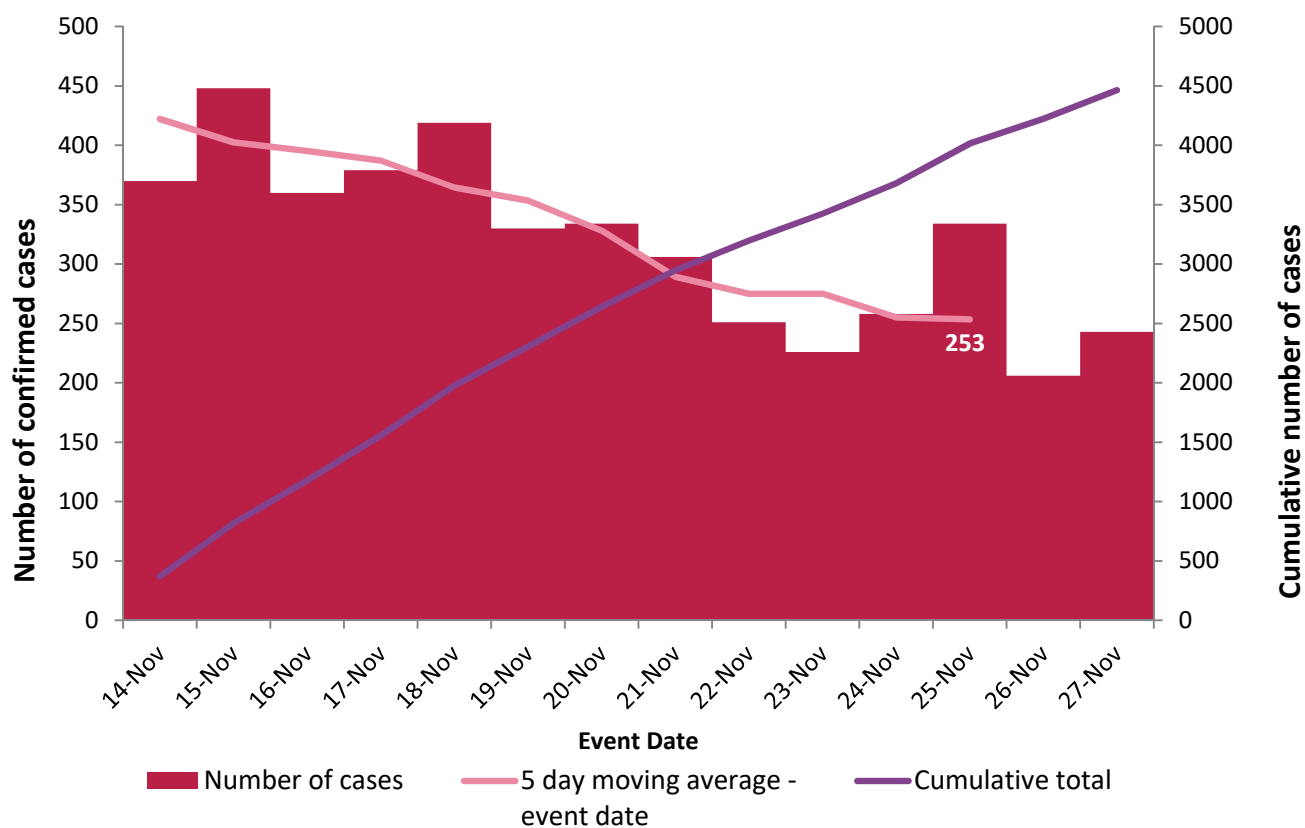
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=4,464)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 14/11/2020 up to midnight on 27/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**4,464**	**100**
Sex	Male:Female ratio	0.92	
	Male	2,136	47.85
	Female	2,315	51.86
	Unknown	13	0.29
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 98	
	0-4 yrs	187	4.19
	5-14 yrs	492	11.02
	15-24 yrs	880	19.71
	25-34 yrs	670	15.01
	35-44 yrs	714	15.99
	45-54 yrs	619	13.87
	55-64 yrs	373	8.36
	65-74 yrs	227	5.09
	75-84 yrs	176	3.94
	85+ yrs	124	2.78
	Unknown	2	0.04
Underlying clinical conditions	Yes	1,118	25.04
	No	2,803	62.79
	Unknown	543	12.16

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 14/11/2020 to midnight 27/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	492	125.7
CHO2	301	66.4
CHO3	455	118.2
CHO4	490	71.0
CHO5	428	83.9
CHO6	397	103.6
CHO7	585	82.7
CHO8	623	100.6
CHO9	693	111.5
Unknown	0	
Total	**4,464**	**93.7**

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 14/11/2020 to midnight 27/11/2020

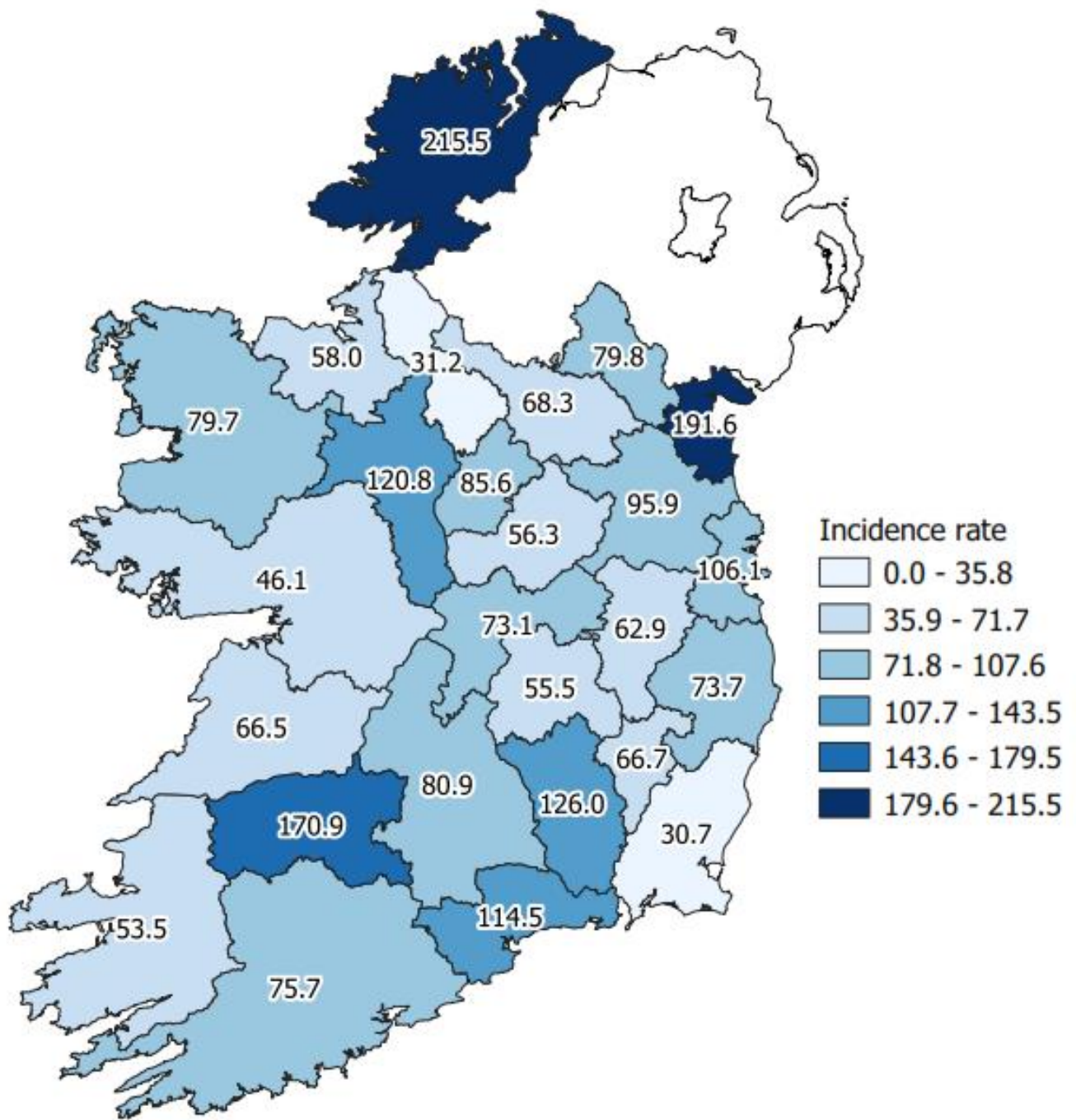| County	Number of confirmed cases	Incidence per 100,000 population
Donegal	343	215.5
Louth	247	191.6
Limerick	333	170.9
Kilkenny	125	126.0
Roscommon	78	120.8
Waterford	133	114.5
Dublin	1430	106.1
Meath	187	95.9
Longford	35	85.6
Tipperary	129	80.9
Monaghan	49	79.8
Mayo	104	79.7
Cork	411	75.7
Wicklow	105	73.7
Offaly	57	73.1
Cavan	52	68.3
Carlow	38	66.7
Clare	79	66.5
Kildare	140	62.9
Sligo	38	58.0
Westmeath	50	56.3
Laois	47	55.5
Kerry	79	53.5
Galway	119	46.1
Leitrim	10	31.2
Wexford	46	30.7
Total	**4,464**	**93.7**

Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 14/11/2020 and 27/11/2020

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 14/11/2020 and 27/11/2020

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	98	72.0
CCA2	Dublin South East	197	159.3
CCA3	Dublin South City	104	69.4
CCA4	Dublin South West	172	106.9
CCA5	Dublin West	166	106.9
CCA6	Dublin North West	241	116.0
CCA7	Dublin North Central	278	179.8
CCA8	Dublin North	174	67.1
	Dublin	**1430**	**106.1**

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.
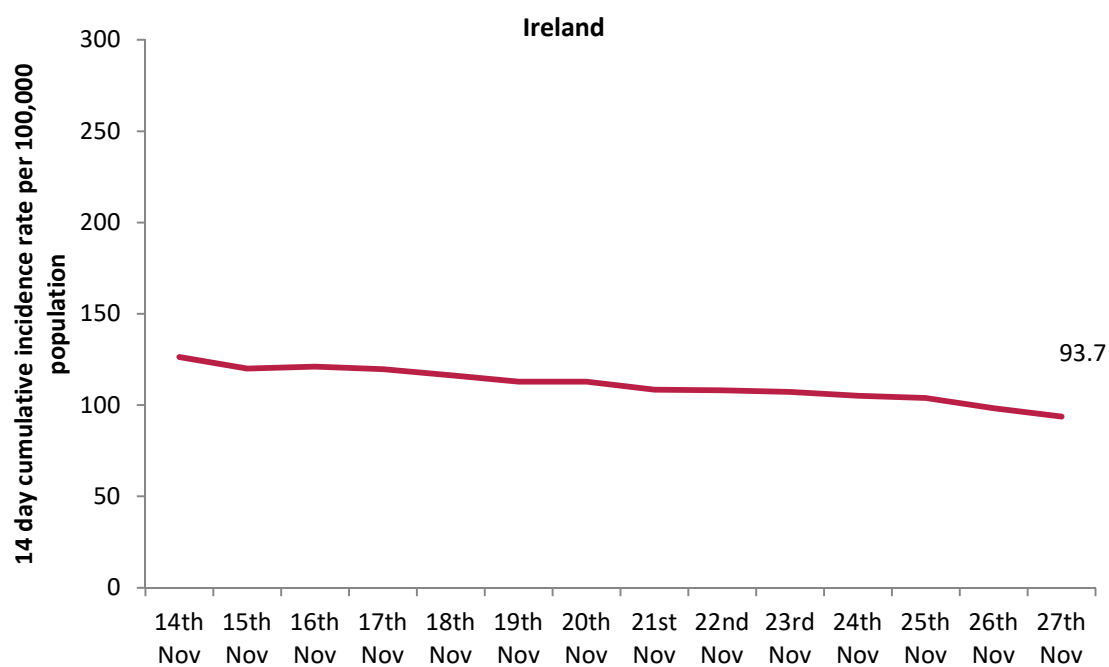
Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (27/11/2020 to 14/11/2020)

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 14/11/2020 to midnight 27/11/2020 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	187	3	0.99	0	0
5-14 yrs	492	1	0.33	0	0
15-24 yrs	880	16	5.26	0	0
25-34 yrs	670	17	5.59	0	0
35-44 yrs	714	23	7.57	2	15.38
45-54 yrs	619	32	10.53	1	7.69
55-64 yrs	373	32	10.53	3	23.08
65-74 yrs	227	46	15.13	2	15.38
75-84 yrs	176	80	26.32	5	38.46
85+ yrs	124	54	17.76	0	0
Unknown	2			0	0
Total	**4,464**	**304**	**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 10:51 on 28/11/2020. 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 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.
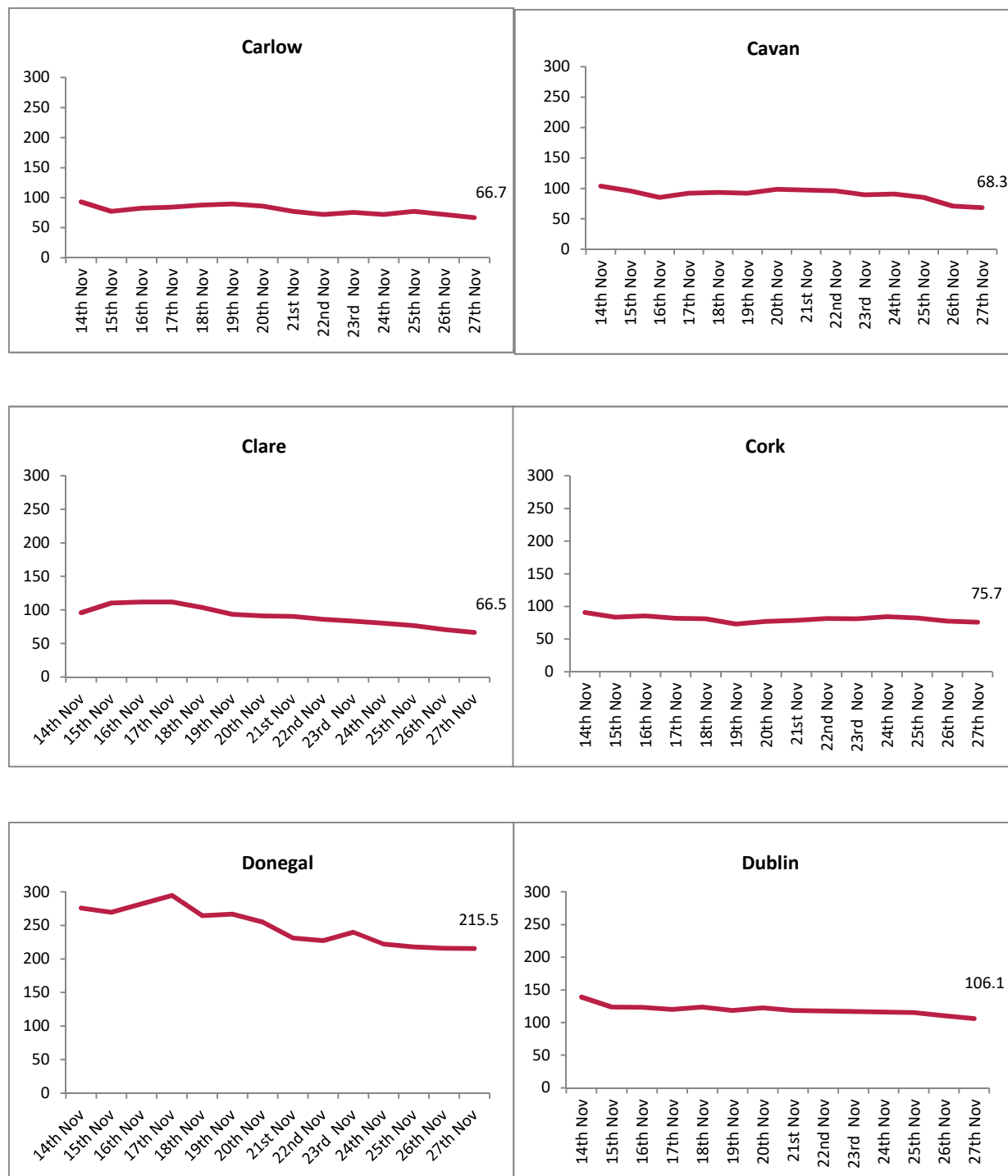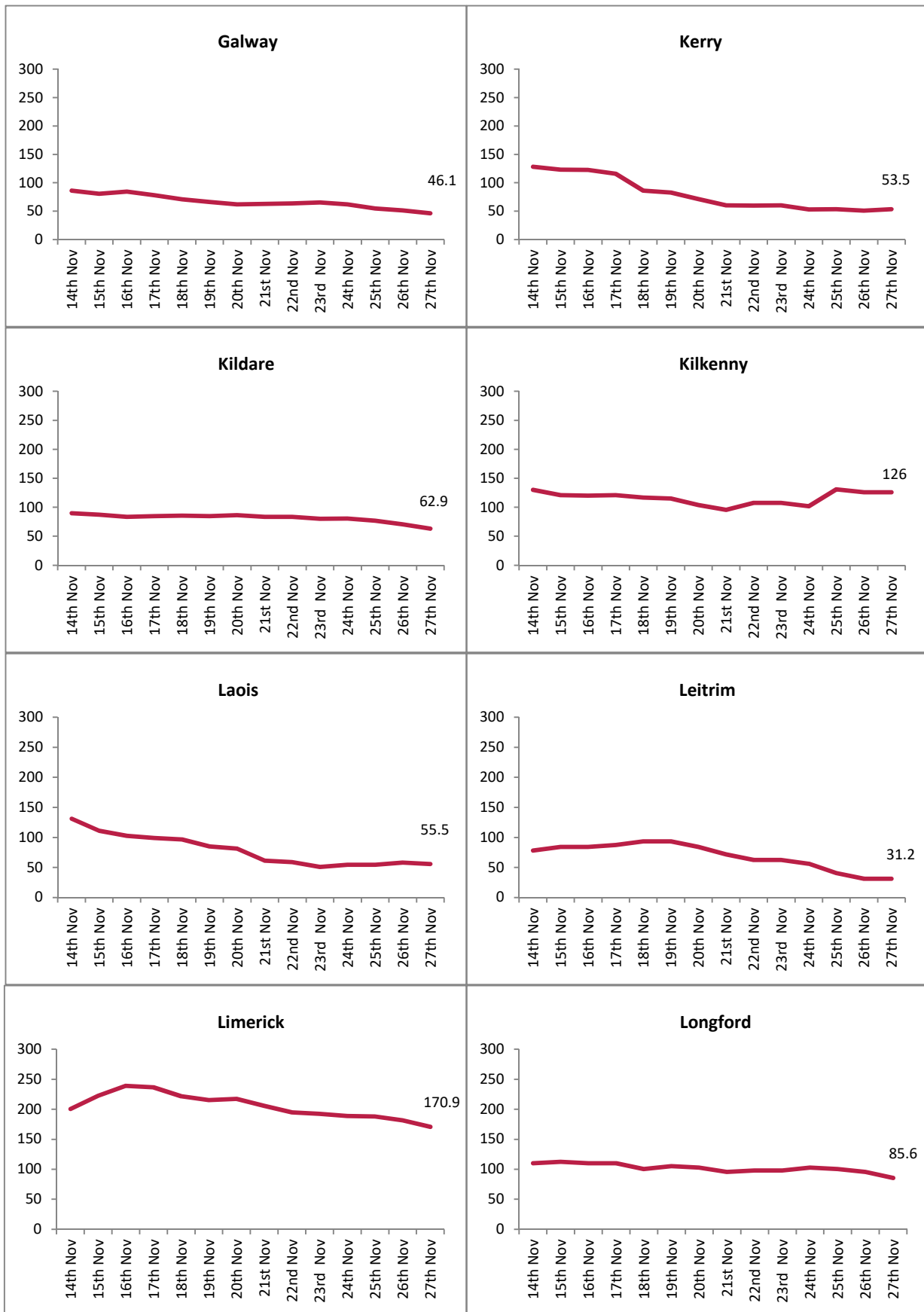
4. Outbreak location

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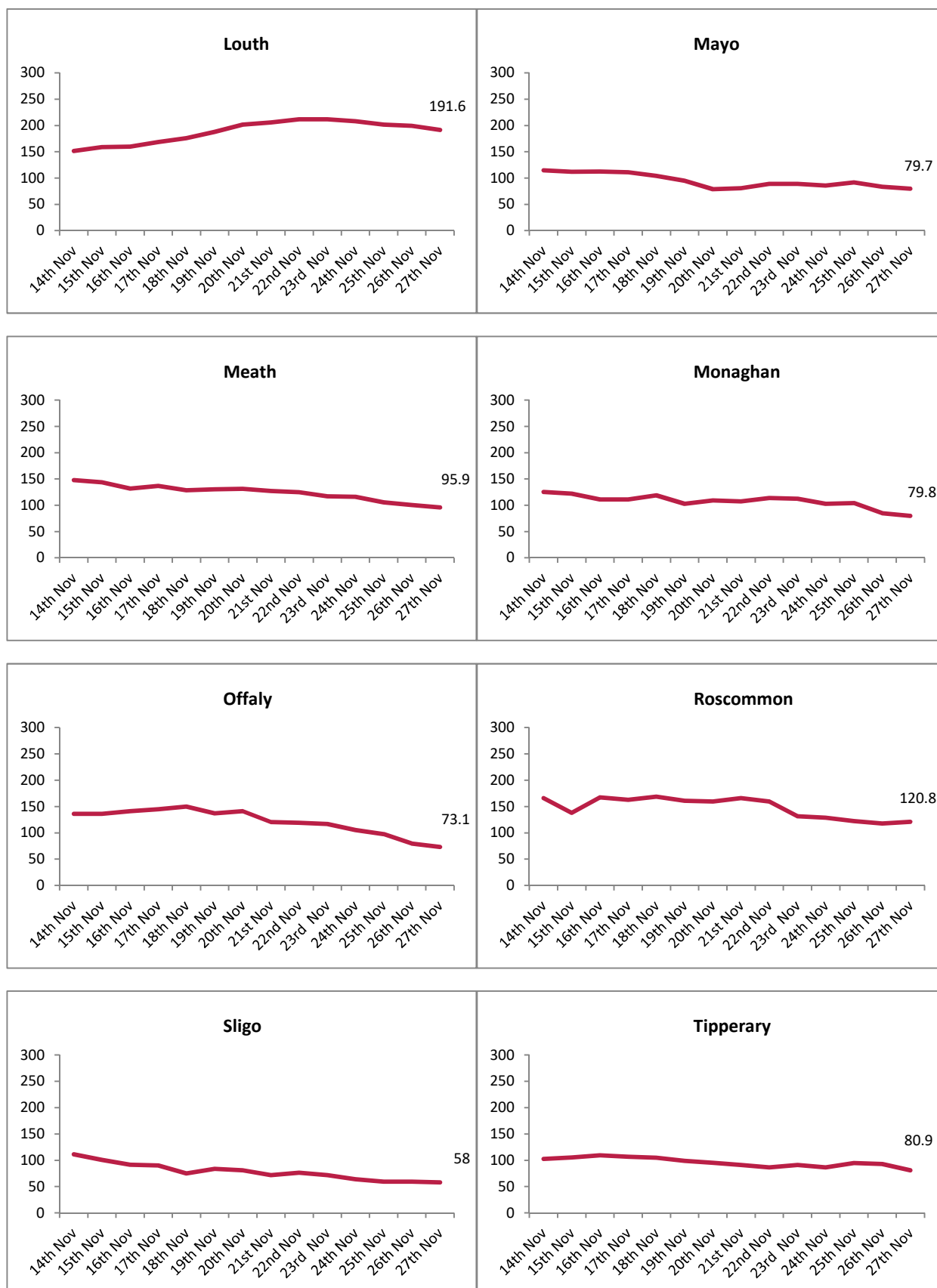
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (14/11/2020 to 27/11/2020)

Galway

46.1

Kerry

53.5

Kildare

62.9

Kilkenny

126

Laois

55.5

Leitrim

31.2

Limerick

170.9

Longford

85.6

Louth

191.6

Mayo

79.7

Meath

95.9

Monaghan

79.8

Offaly

73.1

Roscommon

120.8

Sligo

58

Tipperary

80.9

Waterford

114.5

Westmeath

56.3

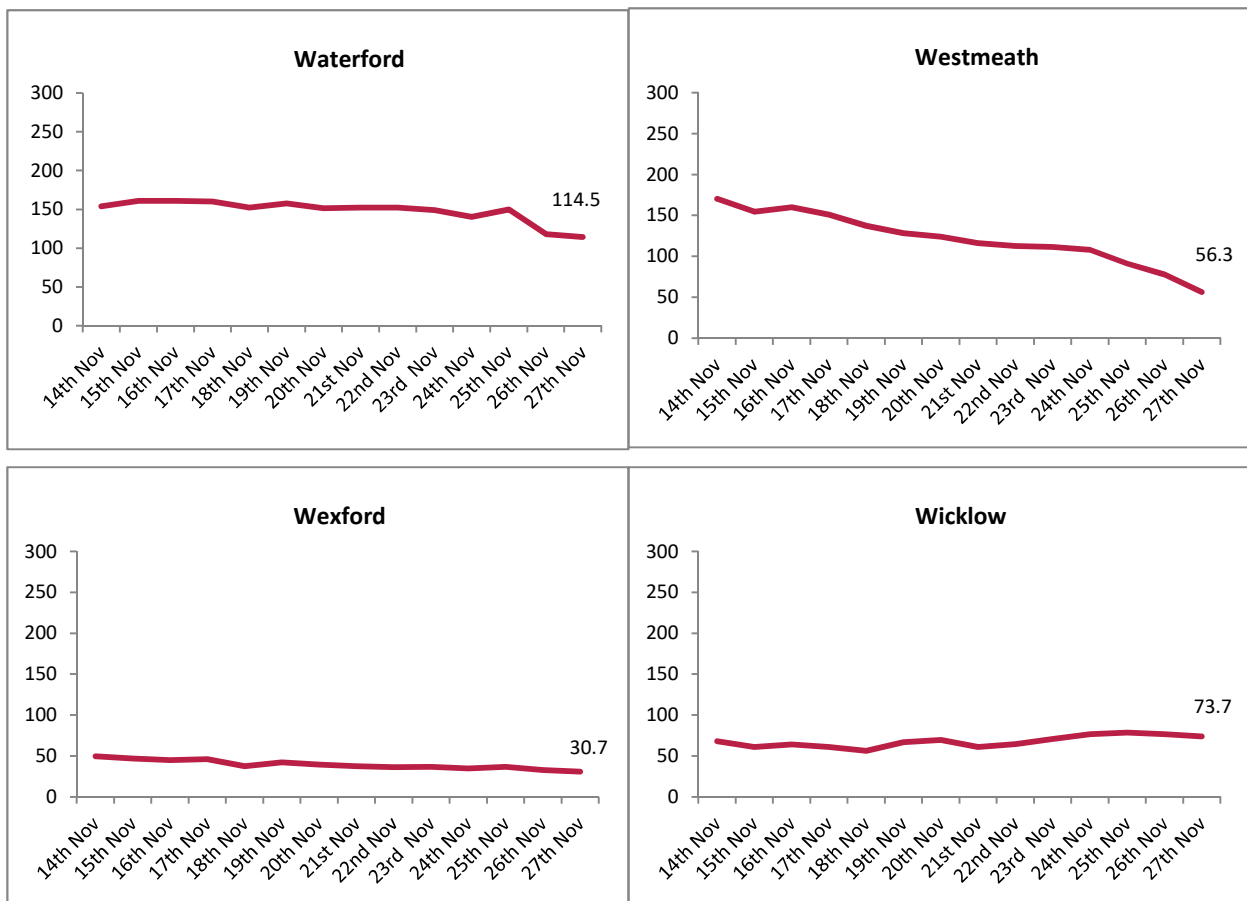## Wexford

30.7

Wicklow

73.7

Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (14/11/2020 to 27/11/2020)