Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 29/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/11/2020 up to midnight 28/11/2020

	Number	Percent
Total number of confirmed cases	4,393	
National incidence of confirmed cases per 100,000 population	92.25	
Number of cases hospitalised*	290	6.6
Number of cases admitted to ICU*	11	0.25
Number of deaths among confirmed cases	18	0.41
Case fatality ratio (CFR, %)	0.41	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	1,443	32.85
Number of imported cases	2	0.05
Number of cases in healthcare workers	536	12.2
Males	2,110	48.03
Females	2,271	51.7
M:F ratio	0.93	
Median age (years)	34	
Mean age (years)	36	
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 15/11/2020 - 28/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:31 on 29/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
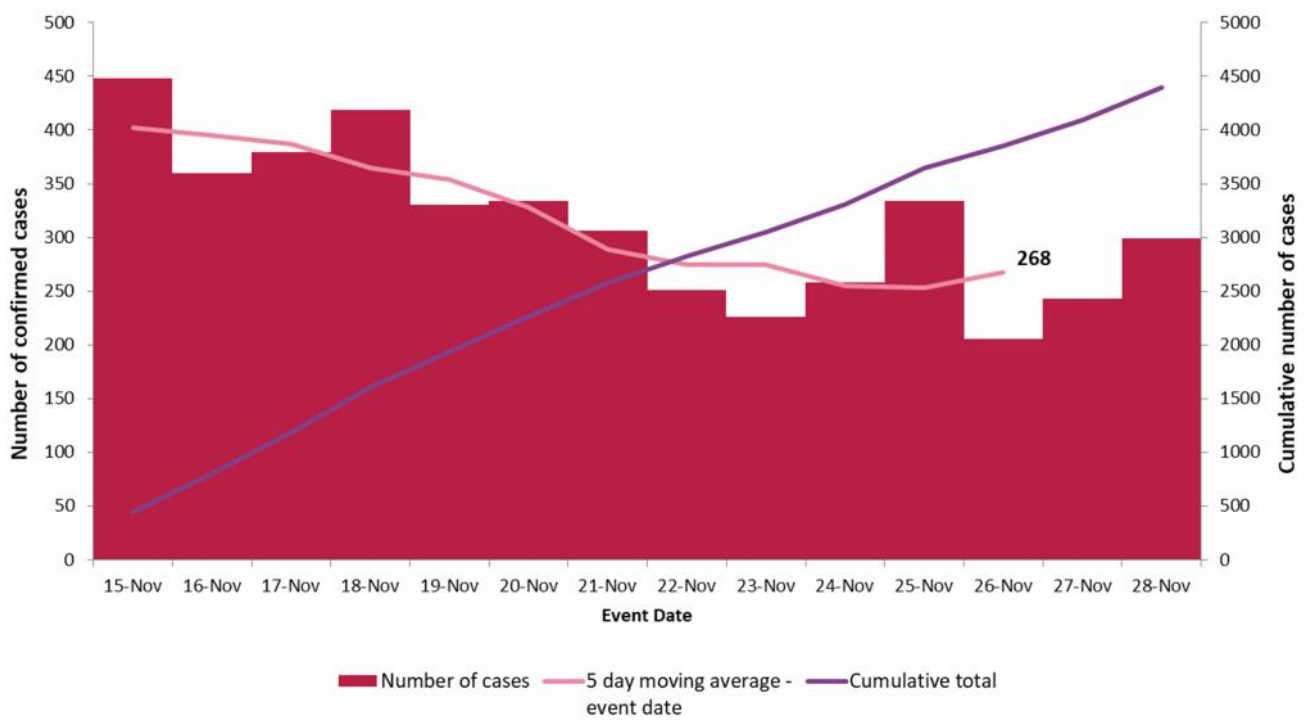
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=4,393)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 15/11/2020 up to midnight on 28/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		**4,393**	**100**
Sex	Male:Female ratio	0.93	
	Male	2,110	48.03
	Female	2,271	51.7
	Unknown	12	0.27
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	193	4.39
	5-14 yrs	493	11.22
	15-24 yrs	872	19.85
	25-34 yrs	657	14.96
	35-44 yrs	696	15.84
	45-54 yrs	604	13.75
	55-64 yrs	366	8.33
	65-74 yrs	213	4.85
	75-84 yrs	178	4.05
	85+ yrs	119	2.71
	Unknown	2	0.05
Underlying clinical conditions	Yes	1,100	25.04
	No	2,712	61.73
	Unknown	581	13.23

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 15/11/2020 to midnight 28/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	495	126.5
CHO2	288	63.6
CHO3	453	117.7
CHO4	470	68.1
CHO5	426	83.5
CHO6	406	106.0
CHO7	582	82.2
CHO8	595	96.1
CHO9	678	109.1
Unknown	0	
Total	**4,393**	**92.3**

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 15/11/2020 to midnight 28/11/2020

| County	Number of confirmed cases	Incidence per 100,000 population
Donegal	350	219.9
Louth	238	184.7
Limerick	325	166.8
Kilkenny	131	132.0
Roscommon	68	105.4
Dublin	1405	104.3
Waterford	120	103.3
Meath	193	99.0
Tipperary	140	87.7
Longford	35	85.6
Wicklow	120	84.3
Monaghan	51	83.1
Mayo	105	80.5
Carlow	43	75.5
Cork	401	73.9
Clare	81	68.2
Kildare	141	63.4
Cavan	47	61.7
Sligo	40	61.0
Offaly	46	59.0
Laois	43	50.8
Kerry	69	46.7
Westmeath	40	45.1
Galway	115	44.6
Wexford	39	26.0
Leitrim	7	21.8
Total	**4,393**	**92.3**
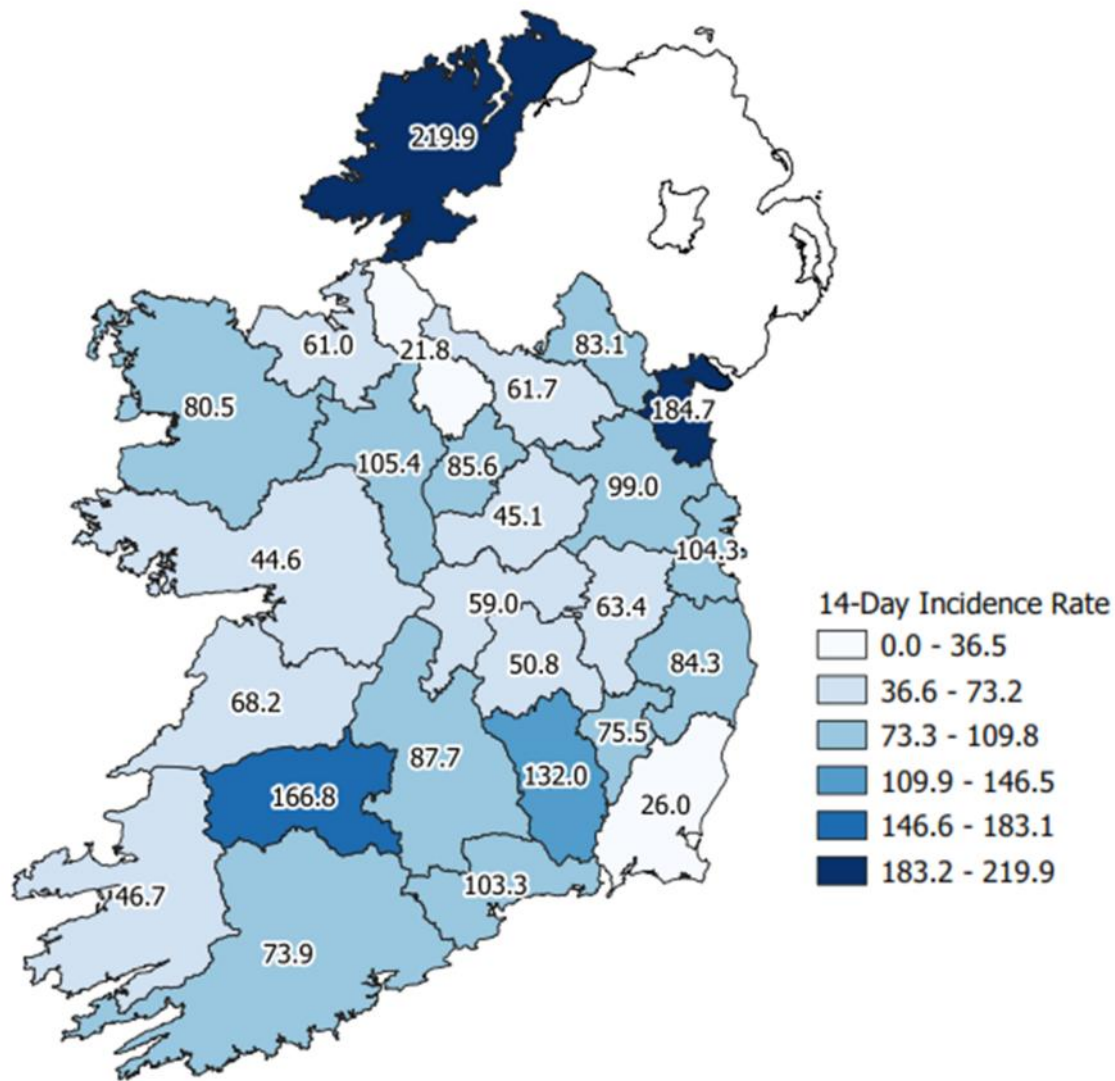
Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 15/11/2020 and 28/11/2020

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 15/11/2020 and 28/11/2020

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	191	154.4
CCA3	Dublin South City	100	66.7
CCA4	Dublin South West	174	108.1
CCA5	Dublin West	165	106.2
CCA6	Dublin North West	235	113.2
CCA7	Dublin North Central	267	172.7
CCA8	Dublin North	176	67.9
	Dublin	**1405**	**104.3**

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.
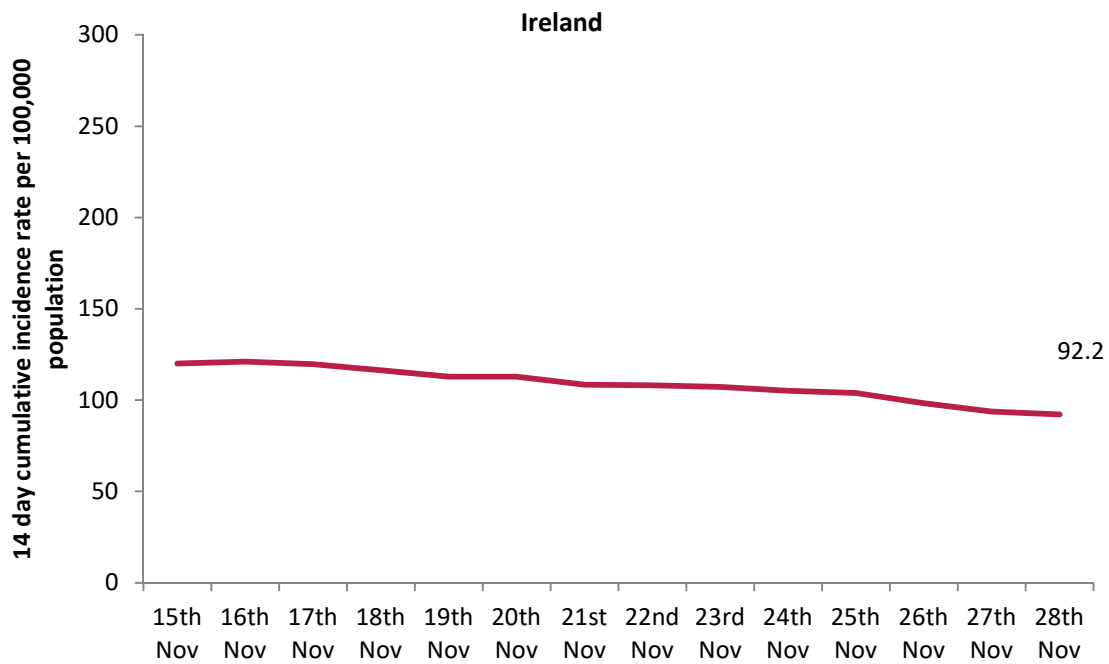
Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (28/11/2020 to 15/11/2020)

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 15/11/2020 to midnight 28/11/2020 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	193	3	1.03	0	0
5-14 yrs	493	2	0.69	0	0
15-24 yrs	872	14	4.83	0	0
25-34 yrs	657	19	6.55	0	0
35-44 yrs	696	22	7.59	2	18.18
45-54 yrs	604	29	10	1	9.09
55-64 yrs	366	29	10	3	27.27
65-74 yrs	213	45	15.52	1	9.09
75-84 yrs	178	78	26.9	4	36.36
85+ yrs	119	49	16.9	0	0
Unknown	2			0	0
Total	**4,393**	**290**	**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

1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:31 on 29/11/2020. 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.
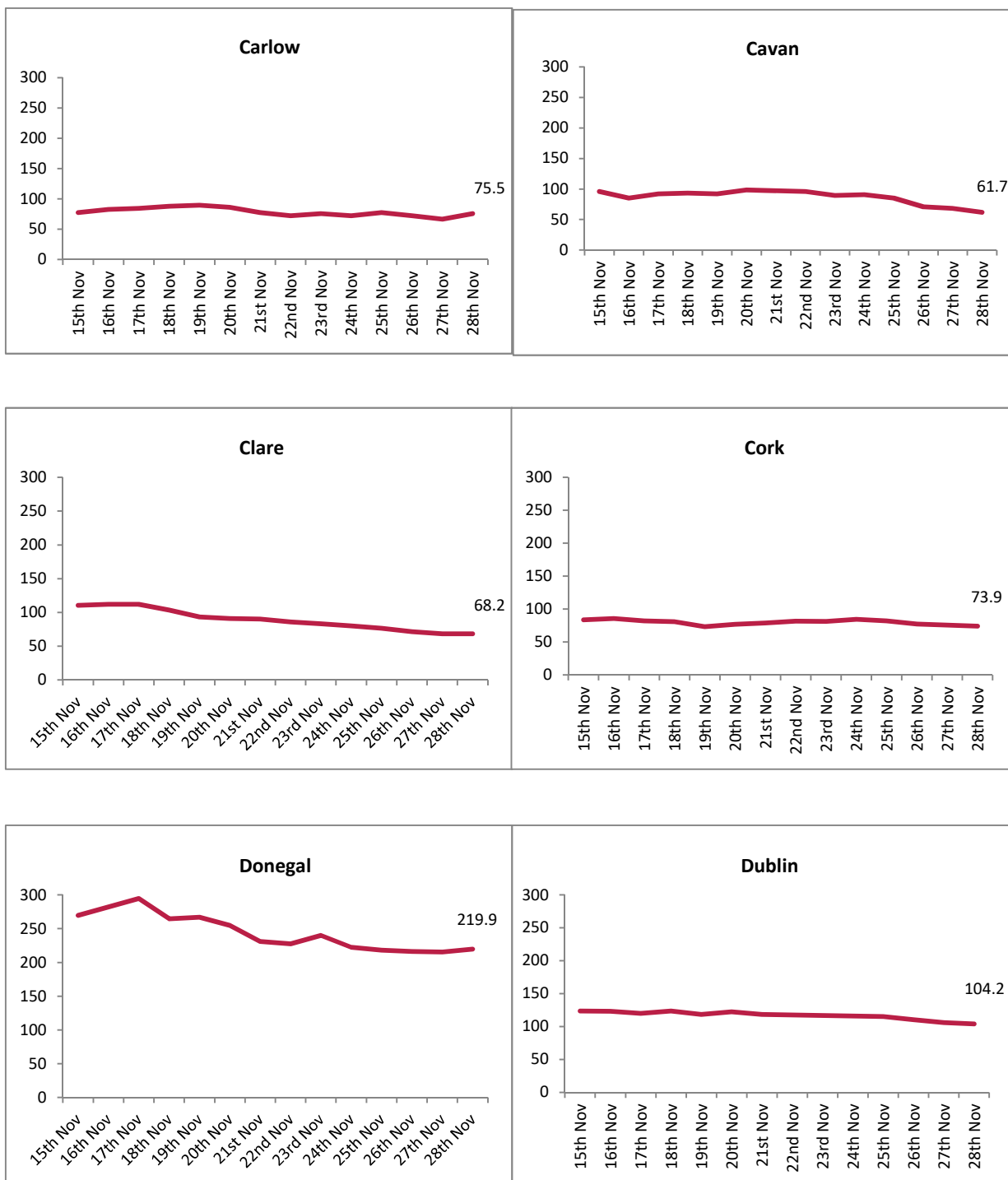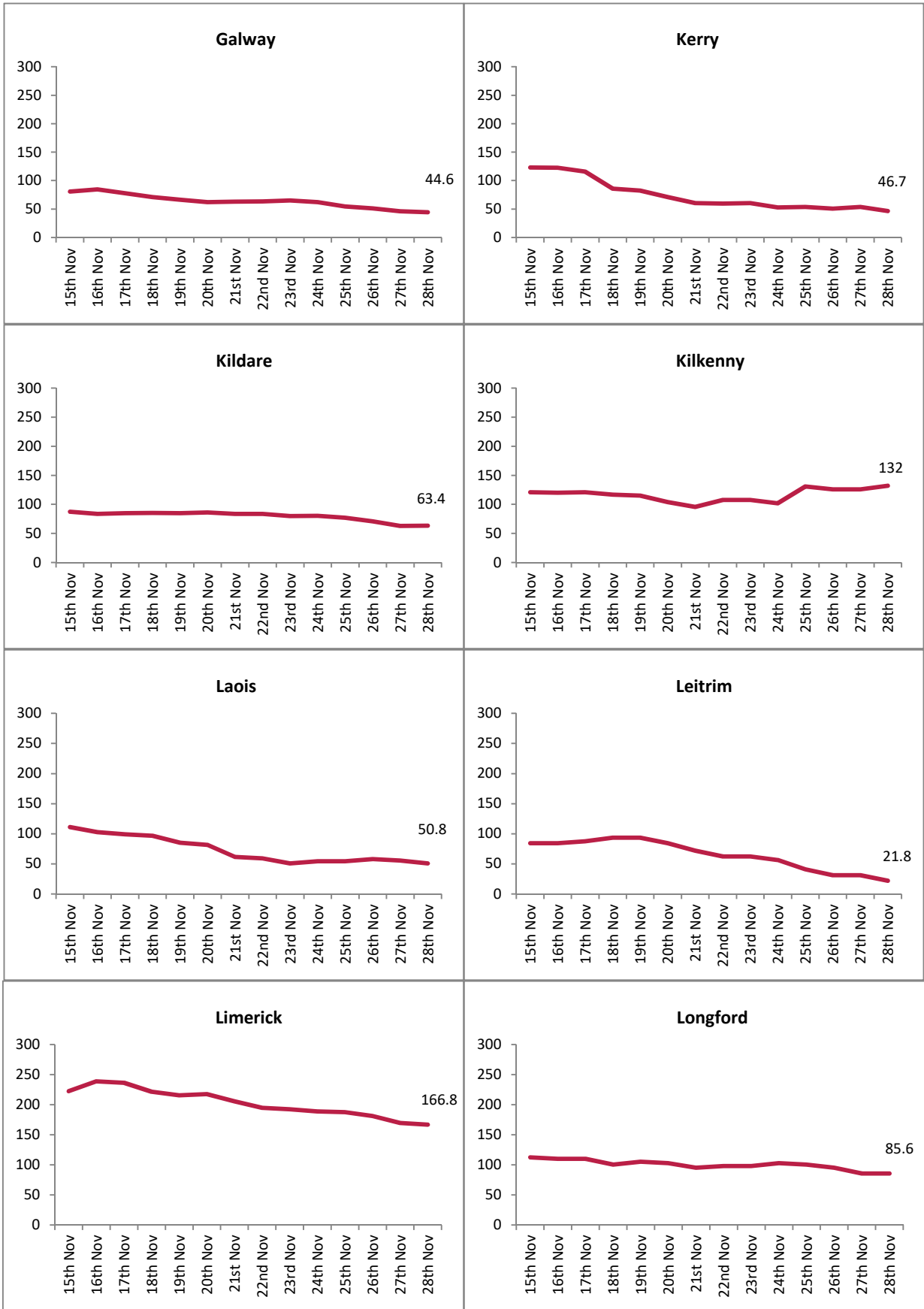
4. Outbreak location

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.
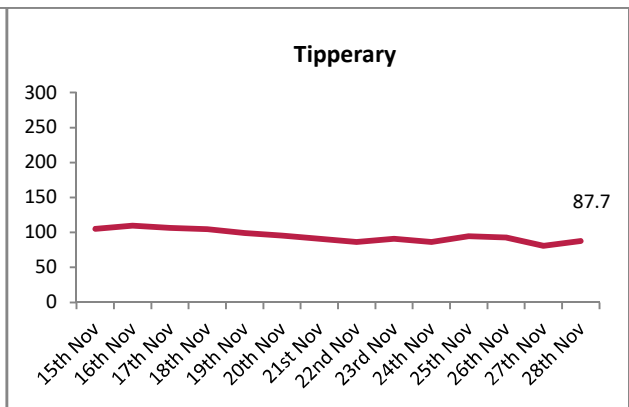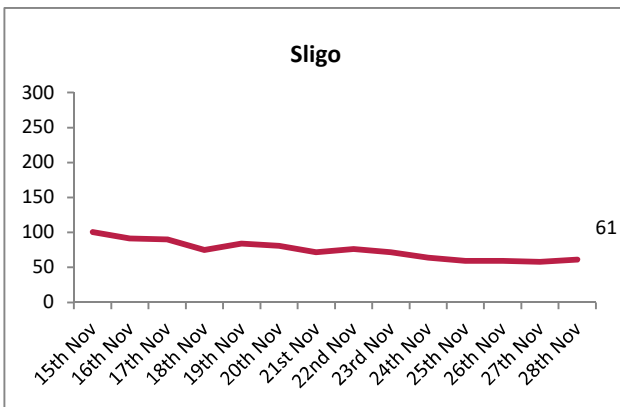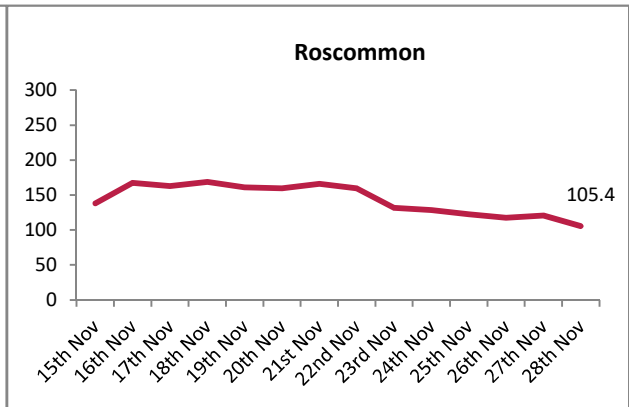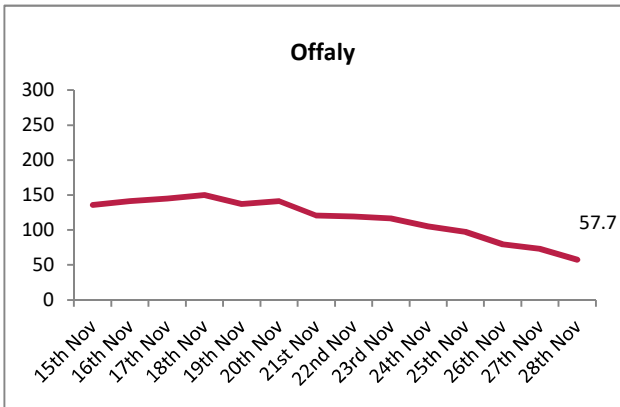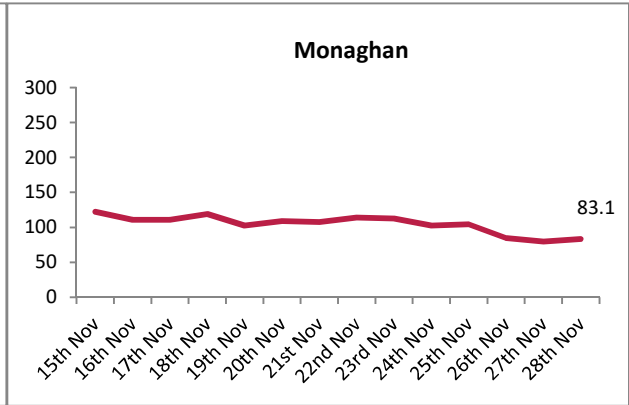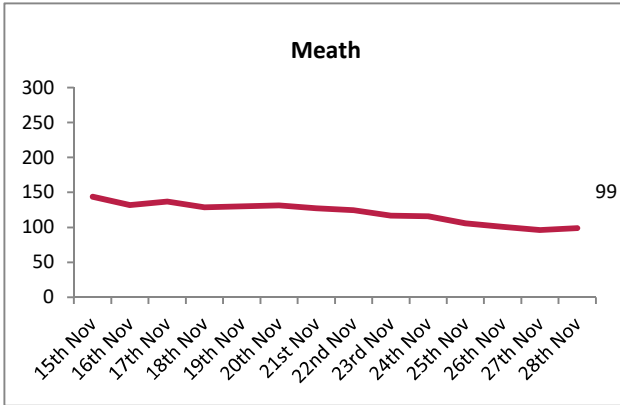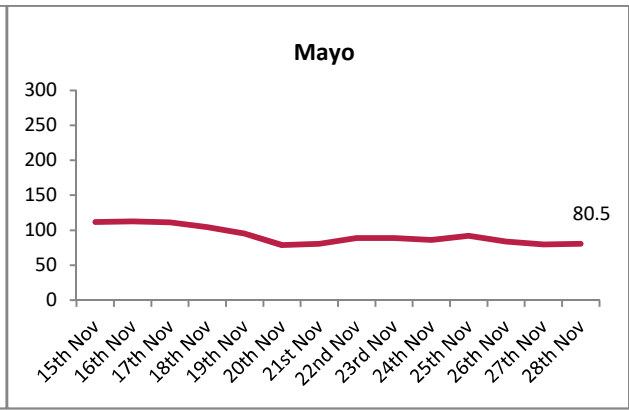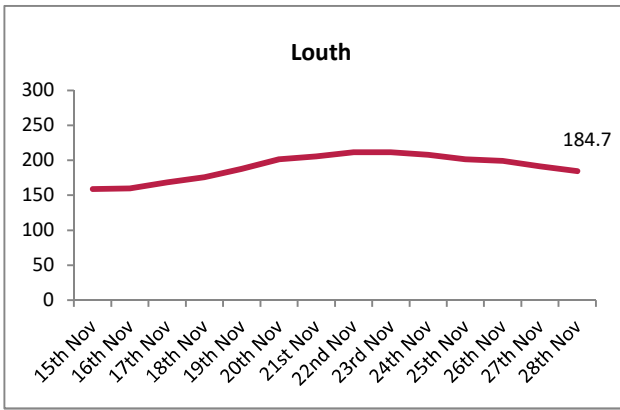
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.
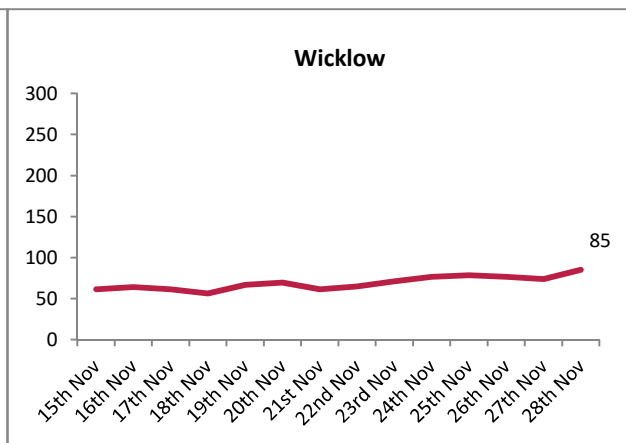
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (15/11/2020 to 28/11/2020)

Carlow — 75.5

Cavan — 61.7

Clare — 68.2

Cork — 73.9

Donegal — 219.9

Dublin — 104.2

Galway

44.6

Kerry

46.7

Kildare

63.4

Kilkenny

132

Laois

50.8

Leitrim

21.8

Limerick

166.8

Longford

85.6

Louth

184.7

Mayo

80.5

Meath

99

Monaghan

83.1

Offaly

57.7

Roscommon

105.4

Sligo

61

Tipperary

87.7

Report prepared by Health Protection Surveillance Centre on 29/11/2020

Waterford

103.3

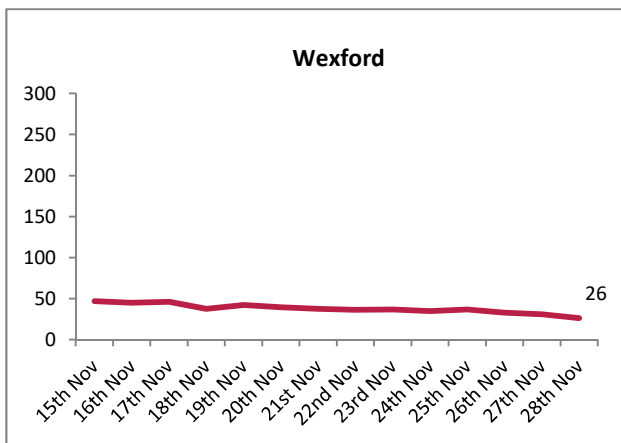## Westmeath
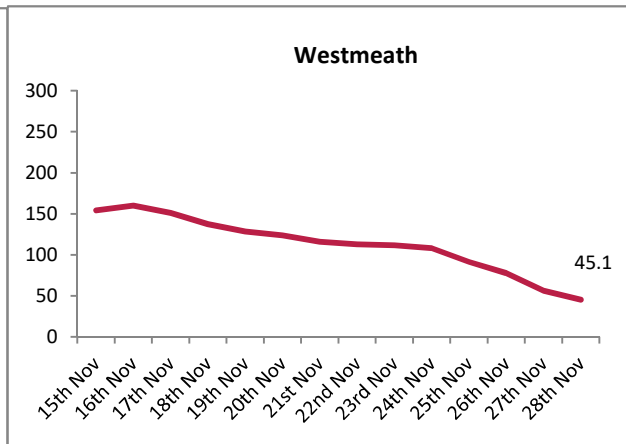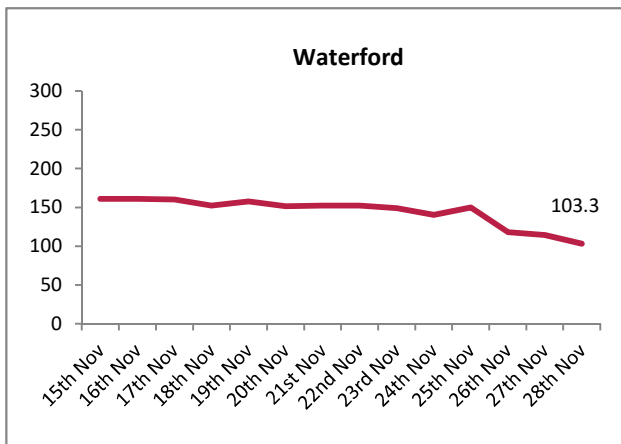

45.1

Wexford

26

Wicklow

85

Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (15/11/2020 to 28/11/2020)