



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 12/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 28/11/2020 up to midnight 11/12/2020

	Number	Percent
Total number of confirmed cases	3,880	
National incidence of confirmed cases per 100,000 population	81.48	
Number of cases hospitalised*	219	5.64
Number of cases admitted to ICU*	12	0.31
Number of deaths among confirmed cases	16	0.41
Case fatality ratio (CFR, %)	0.41	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,551	39.97
Number of imported cases	15	0.39
Number of cases in healthcare workers	500	12.89
Males	1,882	48.51
Females	1,990	51.29
M:F ratio	0.95	
Median age (years)	36	
Mean age (years)	37	
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
28/11/2020 - 11/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:46 on 12/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

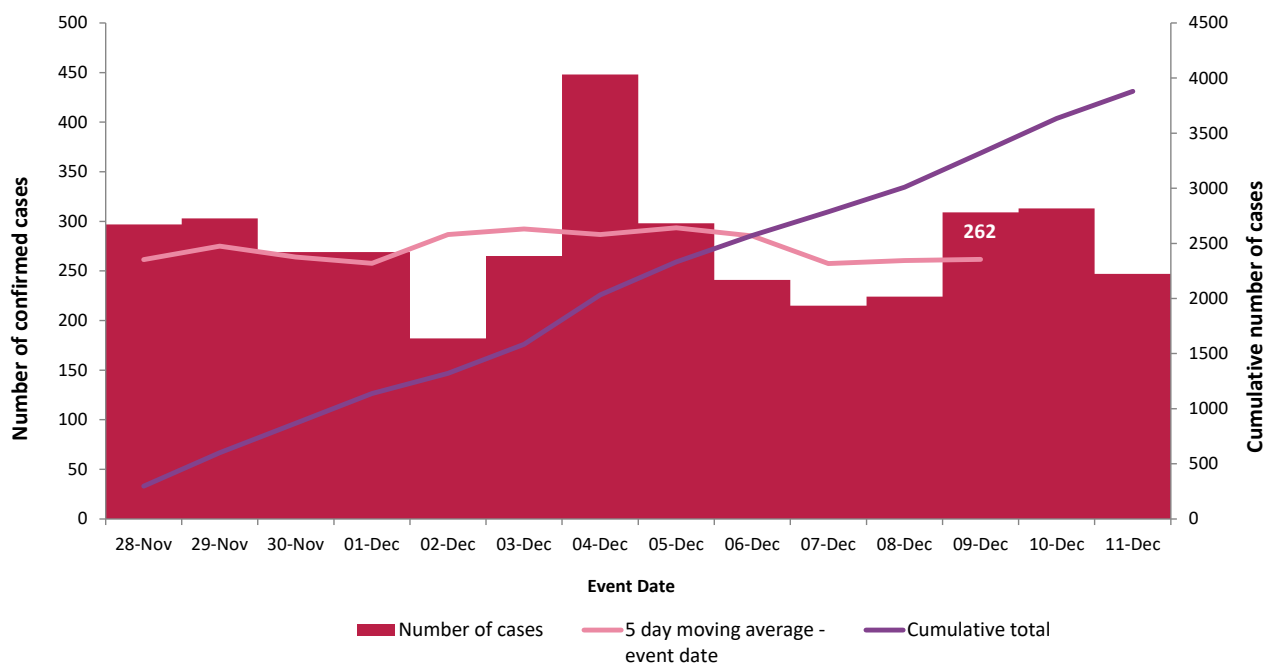


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,880)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 28/11/2020 up to midnight on 11/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,880	100
Sex	Male:Female ratio	0.95	
	Male	1,882	48.51
	Female	1,990	51.29
	Unknown	8	0.21
Age	Median age (years)	36	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	175	4.51
	5-12 yrs	396	10.21
	13-18 yrs	297	7.65
	19-24 yrs	368	9.48
	25-34 yrs	634	16.34
	35-44 yrs	605	15.59
	45-54 yrs	554	14.28
	55-64 yrs	367	9.46
	65-74 yrs	205	5.28
	75-84 yrs	160	4.12
	85+ yrs	119	3.07
Underlying clinical conditions	Yes	1,204	31.03
	No	2,228	57.42
	Unknown	448	11.55
Symptom status at time of test*	Yes	2,371	61.11
	No	980	25.26
	Unknown	529	13.63

*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 28/11/2020 to midnight 11/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	536	137.0
CHO2	318	70.2
CHO3	320	83.1
CHO4	156	22.6
CHO5	501	98.2
CHO6	454	118.5
CHO7	451	63.7
CHO8	520	84.0
CHO9	624	100.4
Unknown	0	
Total	3,880	81.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 28/11/2020 to midnight 11/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	345	216.7
Kilkenny	190	191.5
Louth	223	173.0
Carlow	90	158.1
Monaghan	85	138.5
Limerick	244	125.2
Longford	50	122.3
Wicklow	165	115.9
Mayo	134	102.7
Cavan	74	97.1
Dublin	1241	92.1
Tipperary	128	80.2
Laois	62	73.2
Waterford	85	73.2
Offaly	47	60.3
Galway	155	60.1
Meath	114	58.4
Kildare	123	55.3
Roscommon	29	44.9
Sligo	26	39.7
Clare	39	32.8
Wexford	46	30.7
Westmeath	23	25.9
Cork	128	23.6
Kerry	28	19.0
Leitrim	6	18.7
Total	3,880	81.5

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices (LHOs) notified in Ireland with a notification date between 28/11/2020 and 11/12/2020

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	100	73.5
CCA2	Dublin South East	191	154.4
CCA3	Dublin South City	98	65.4
CCA4	Dublin South West	106	65.9
CCA5	Dublin West	122	78.5
CCA6	Dublin North West	198	95.3
CCA7	Dublin North Central	203	131.3
CCA8	Dublin North	223	86.0
	Dublin	1241	92.1

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.

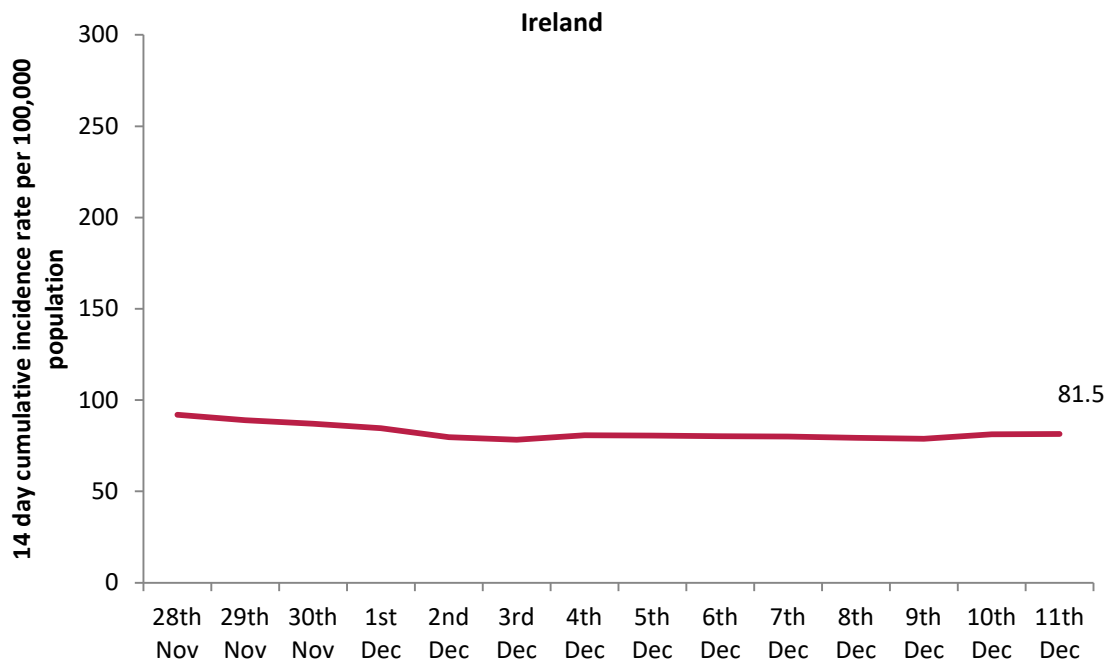


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (28/11/2020 to 11/12/2020)

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: Number of confirmed COVID-19 cases by most likely transmission source notified from 28/11/2020 to midnight 11/12/2020

Most likely transmission source	Number of cases	Percent
Travel related	79	2.04%
Close contact with a known confirmed case	1968	50.72%
Healthcare setting acquired: patient	263	6.78%
Healthcare setting acquired: staff	251	6.47%
Community transmission	771	19.87%
Under investigation	548	14.12%
Total	3880	100.00%

*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

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 27/11/2020 to midnight 11/12/2020 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	175	3	1.37	0	0.00
5-12 yrs	396	3	1.37	0	0.00
13-18 yrs	297	6	2.74	0	0.00
19-24 yrs	368	4	1.83	0	0.00
25-34 yrs	634	20	9.13	1	8.33
35-44 yrs	605	10	4.57	3	25.00
45-54 yrs	554	20	9.13	2	16.67
55-64 yrs	367	27	12.33	1	8.33
65-74 yrs	205	50	22.83	1	8.33
75-84 yrs	160	47	21.46	4	33.33
85+ yrs	119	29	13.24	0	0.00
Total	3,880	219	100	12	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 10:46 on 12/12/2020. 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.

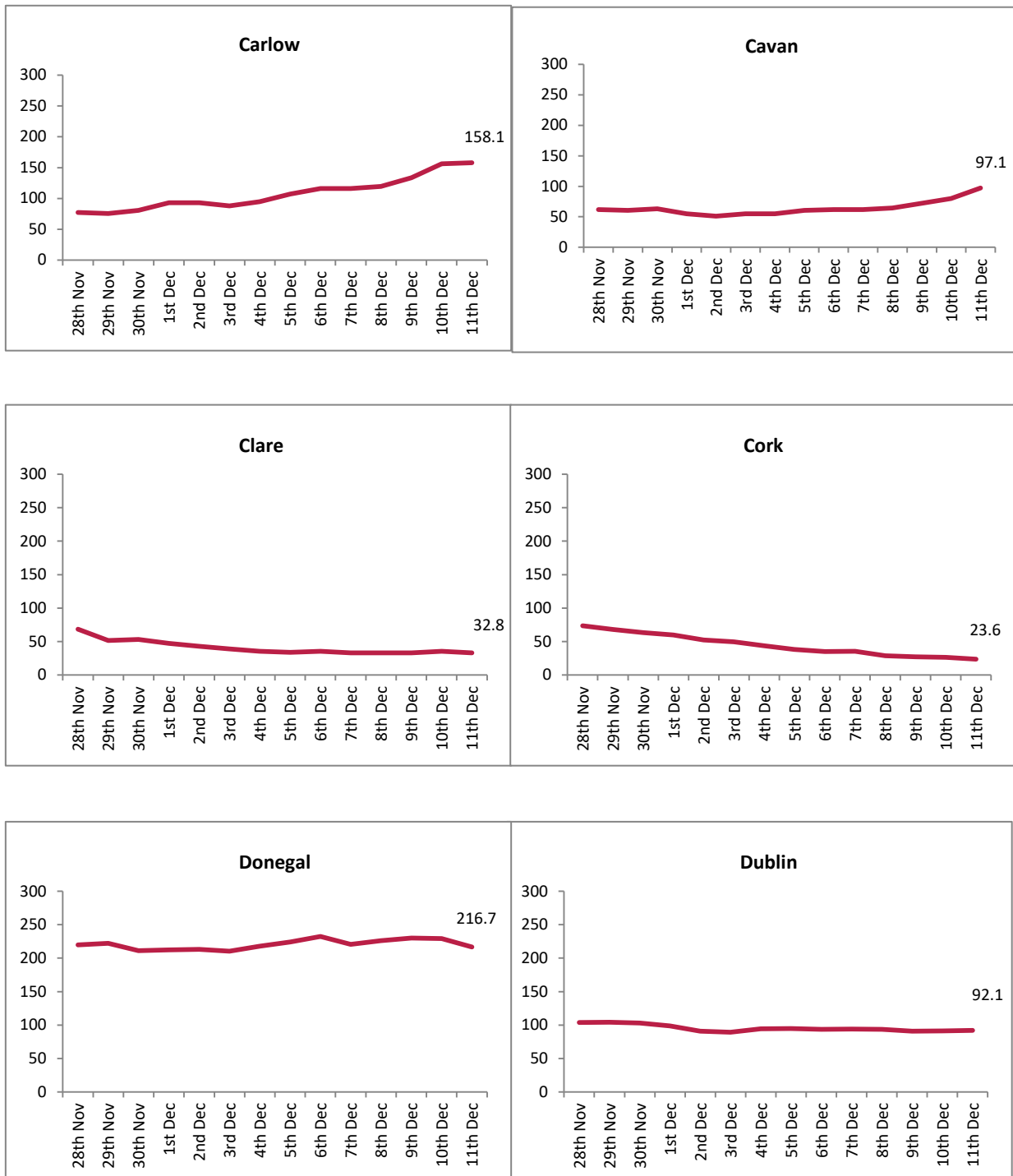
5. Outbreak location

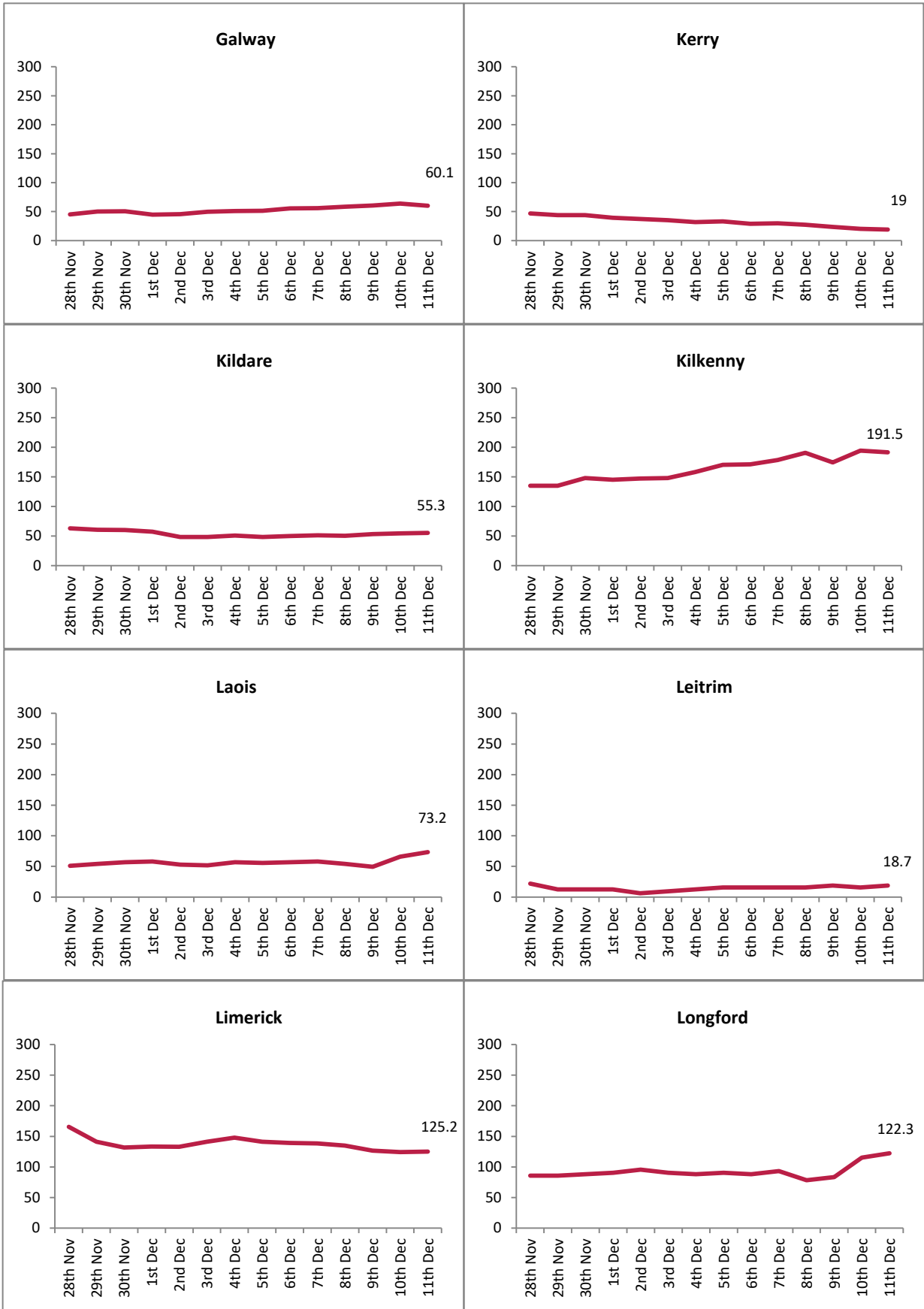
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

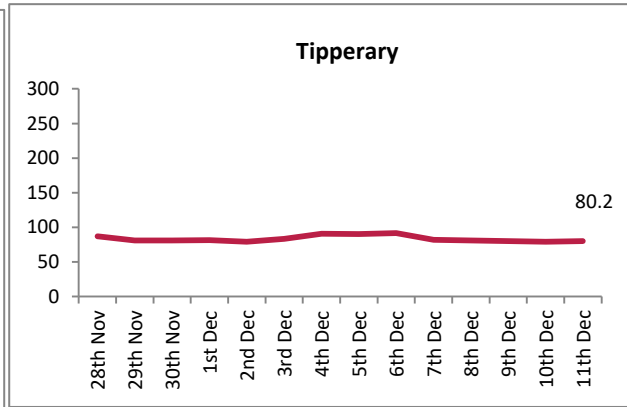
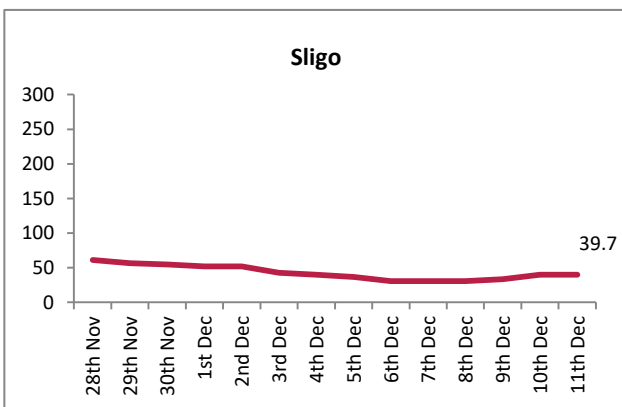
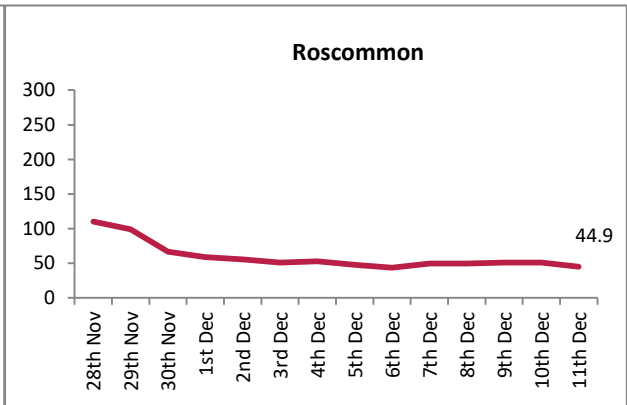
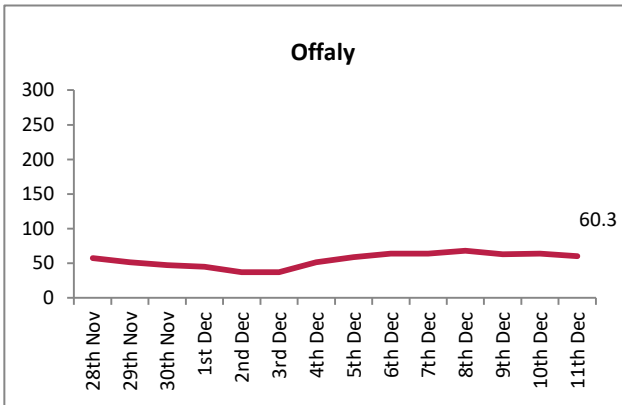
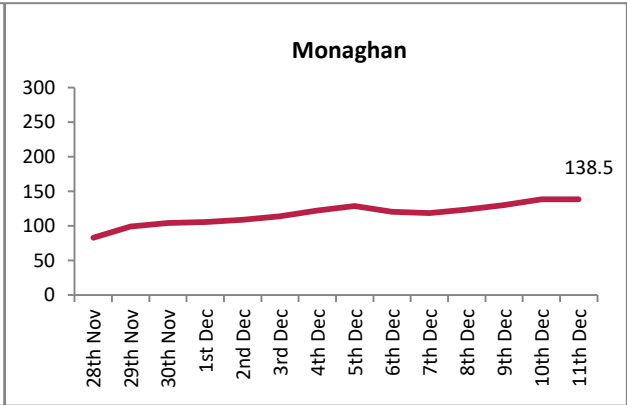
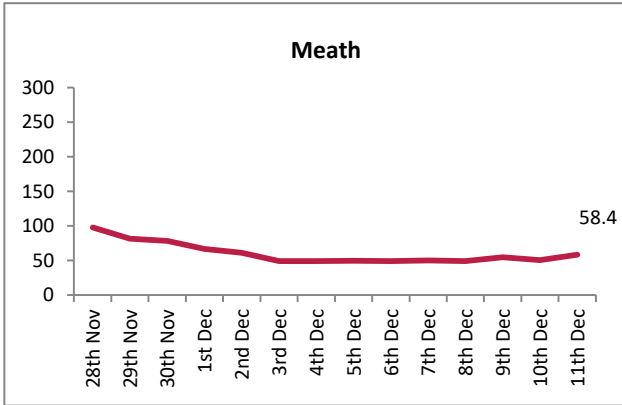
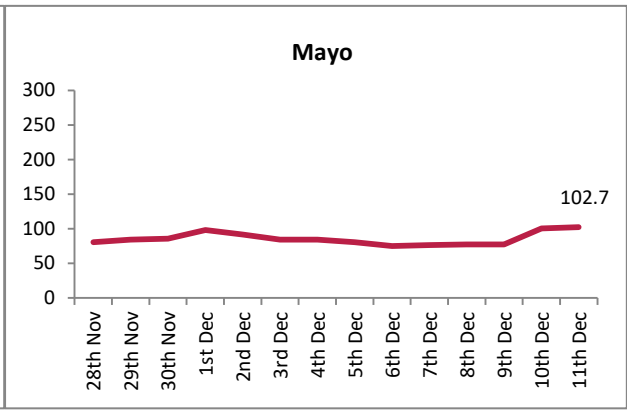
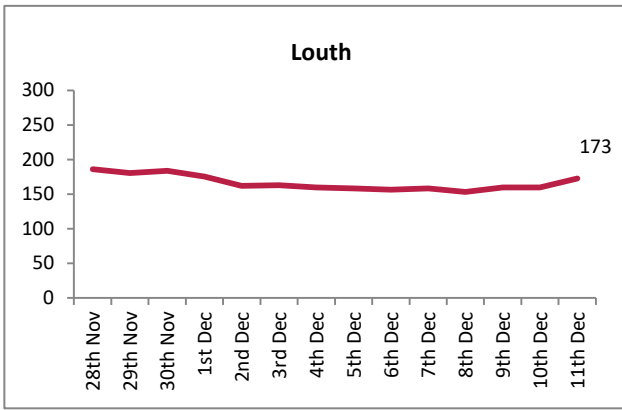
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 4

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (28/11/2020 to 11/12/2020)







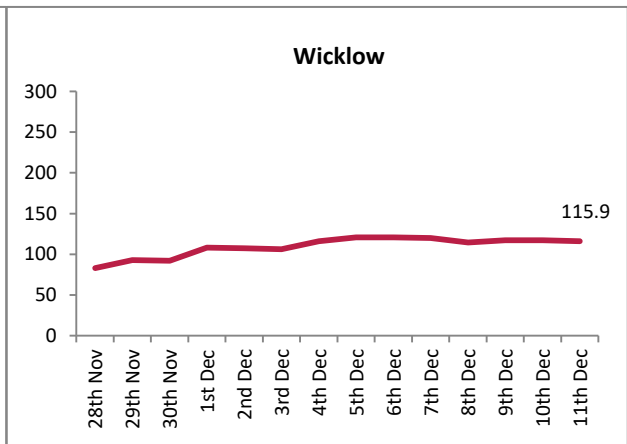
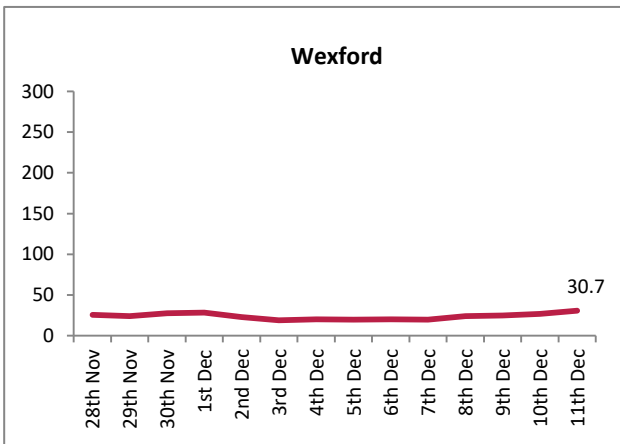
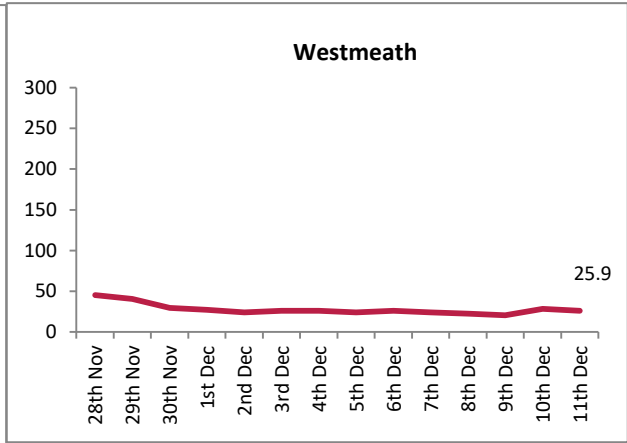
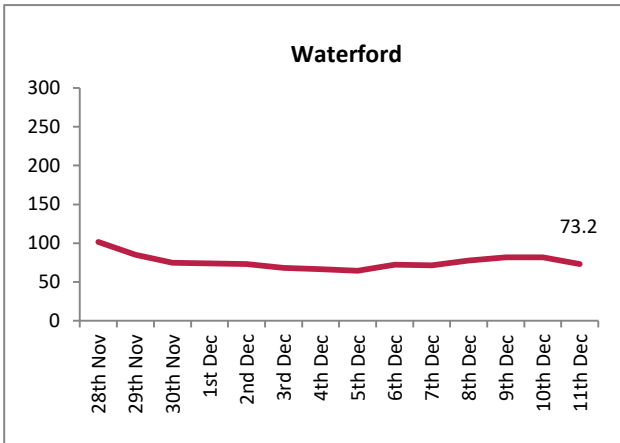


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (28/11/2020 to 11/12/2020)

