



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/12/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/11/2020 up to midnight 08/12/2020

	Number	Percent
Total number of confirmed cases	3,788	
National incidence of confirmed cases per 100,000 population	79.55	
Number of cases hospitalised*	215	5.68
Number of cases admitted to ICU*	9	0.24
Number of deaths among confirmed cases	14	0.37
Case fatality ratio (CFR, %)	0.34	
National incidence of confirmed deaths per 100,000 population	0.27	
Number of cases** associated with clusters	1,442	38.07
Number of imported cases	13	0.34
Number of cases in healthcare workers	479	12.65
Males	1,847	48.76
Females	1,930	50.95
M:F ratio	0.96	
Median age (years)	35	
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
25/11/2020 - 08/12/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:01 on 09/12/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

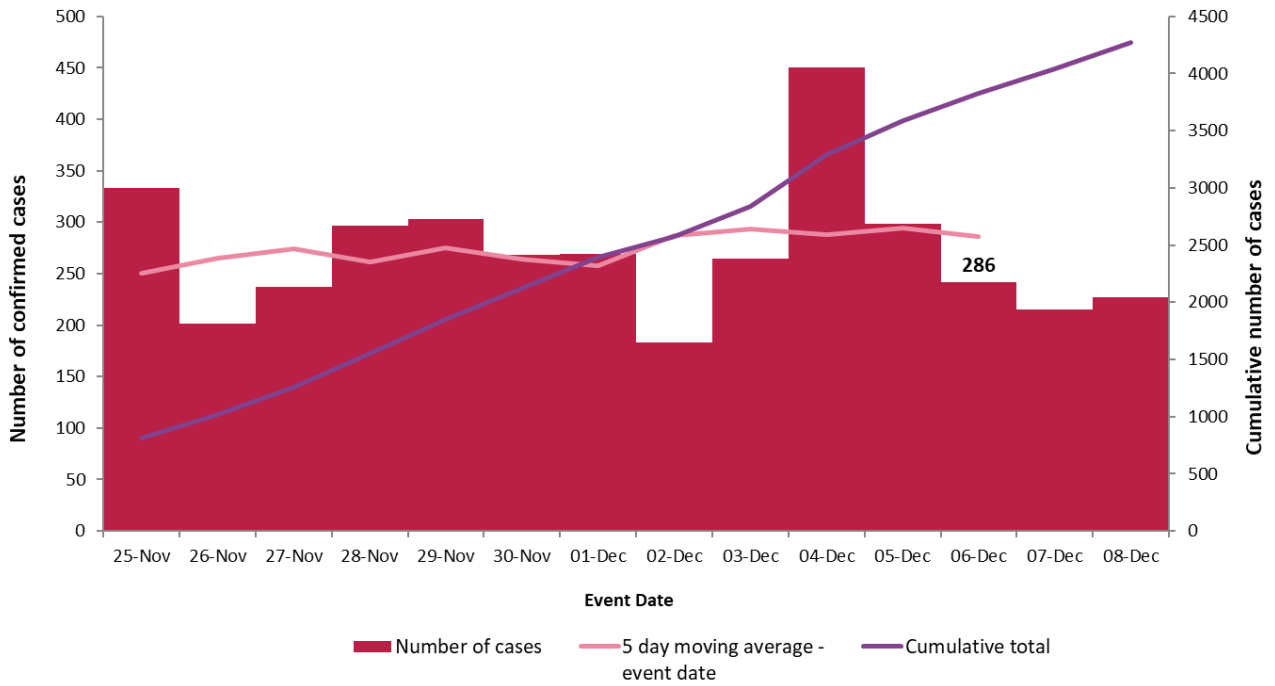


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,788)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/11/2020 up to midnight on 08/12/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,788	100
Sex	Male:Female ratio	0.96	
	Male	1,847	48.76
	Female	1,930	50.95
	Unknown	11	0.29
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	182	4.8
	5-12 yrs	376	9.93
	13-18 yrs	300	7.92
	19-24 yrs	398	10.51
	25-34 yrs	588	15.52
	35-44 yrs	586	15.47
	45-54 yrs	530	13.99
	55-64 yrs	334	8.82
	65-74 yrs	204	5.39
	75-84 yrs	158	4.17
	85+ yrs	131	3.46
Unknown	1	0.03	
Underlying clinical conditions	Yes	1,144	30.2
	No	2,128	56.18
	Unknown	516	13.62
Symptom status at time of test*	Yes	2,236	59.03
	No	960	25.34
	Unknown	592	15.63

*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 25/11/2020 to midnight 08/12/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	510	130.3
CHO2	282	62.2
CHO3	335	87.0
CHO4	195	28.2
CHO5	480	94.1
CHO6	472	123.2
CHO7	448	63.3
CHO8	446	72.0
CHO9	620	99.8
Unknown	0	
Total	3,788	79.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 25/11/2020 to midnight 08/12/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	361	226.8
Kilkenny	190	191.5
Louth	198	153.6
Limerick	264	135.5
Monaghan	76	123.8
Carlow	69	121.2
Wicklow	163	114.4
Dublin	1265	93.9
Tipperary	128	80.2
Waterford	91	78.3
Longford	32	78.3
Mayo	99	75.9
Offaly	53	68.0
Cavan	48	63.0
Galway	150	58.1
Laois	46	54.3
Roscommon	33	51.1
Kildare	112	50.3
Meath	96	49.2
Clare	38	32.0
Sligo	20	30.5
Cork	155	28.6
Kerry	40	27.1
Wexford	36	24.0
Westmeath	20	22.5
Leitrim	5	15.6
Total	3,788	79.5

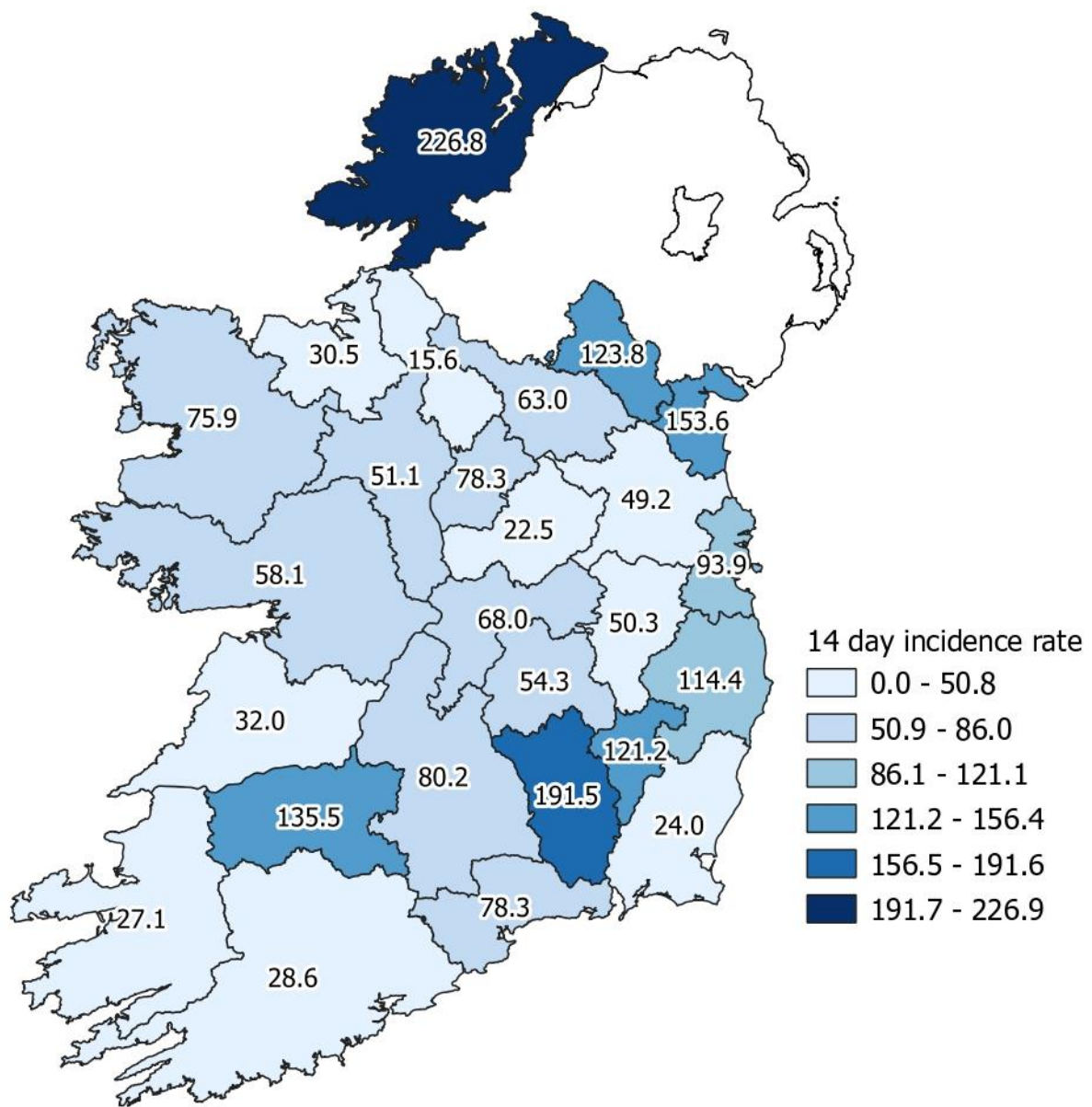


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 25/11/2020 and 08/12/2020

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 25/11/2020 and 08/12/2020

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	111	81.6
CCA2	Dublin South East	200	161.7
CCA3	Dublin South City	94	62.7
CCA4	Dublin South West	117	72.7
CCA5	Dublin West	123	79.2
CCA6	Dublin North West	204	98.2
CCA7	Dublin North Central	202	130.7
CCA8	Dublin North	214	82.6
	Dublin	1,265	93.9

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.

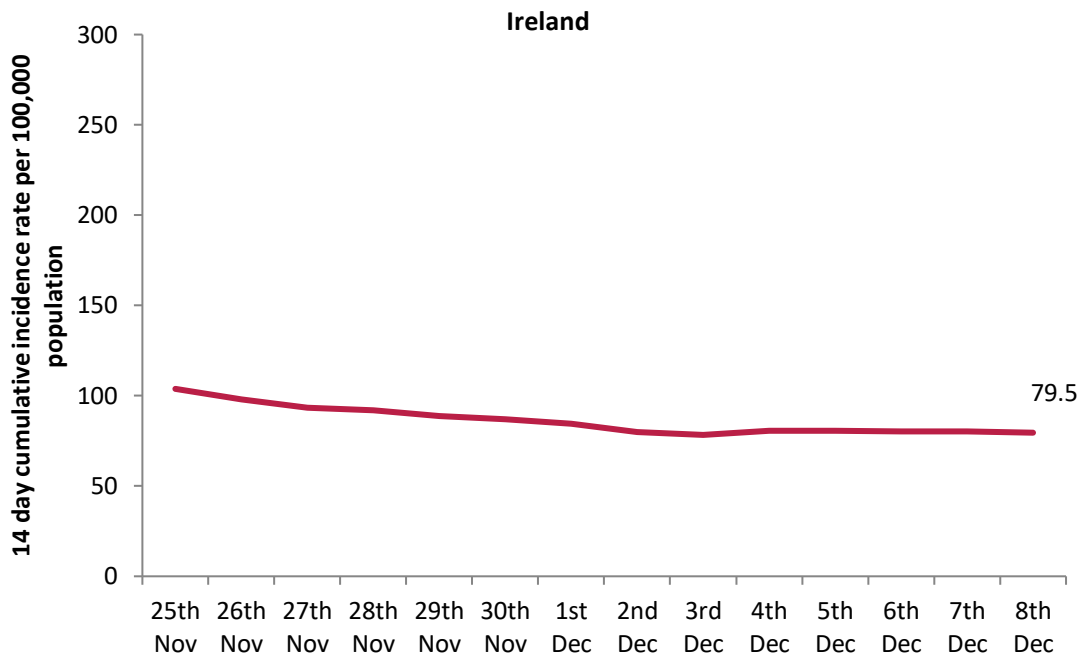


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (25/11/2020 to 08/12/2020)

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 25/11/2020 to midnight 08/12/2020

Most likely transmission source	Number of cases	Percent
Travel related*	63	1.66%
Close contact with a known confirmed case	1908	50.37%
Healthcare setting acquired: patient	268	7.07%
Healthcare setting acquired: staff	240	6.34%
Community transmission	720	19.01%
Under investigation	589	15.55%
Total	3788	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 25/11/2020 to midnight 08/12/2020 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	173	2	0.9	0	0
5-12 yrs	370	2	0.9	0	0
13-18 yrs	312	2	0.9	0	0
19-24 yrs	439	3	1.3	0	0
25-34 yrs	583	17	7.2	0	0
35-44 yrs	581	14	6.0	1	9.1
45-54 yrs	529	23	9.8	1	9.1
55-64 yrs	336	27	11.5	5	45.5
65-74 yrs	204	40	17.0	1	9.1
75-84 yrs	183	63	26.8	3	27.3
85+ yrs	131	42	17.9	0	0
Unknown	1			0	0
Total	3,842	235	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 10:01 on 09/12/2020. 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.

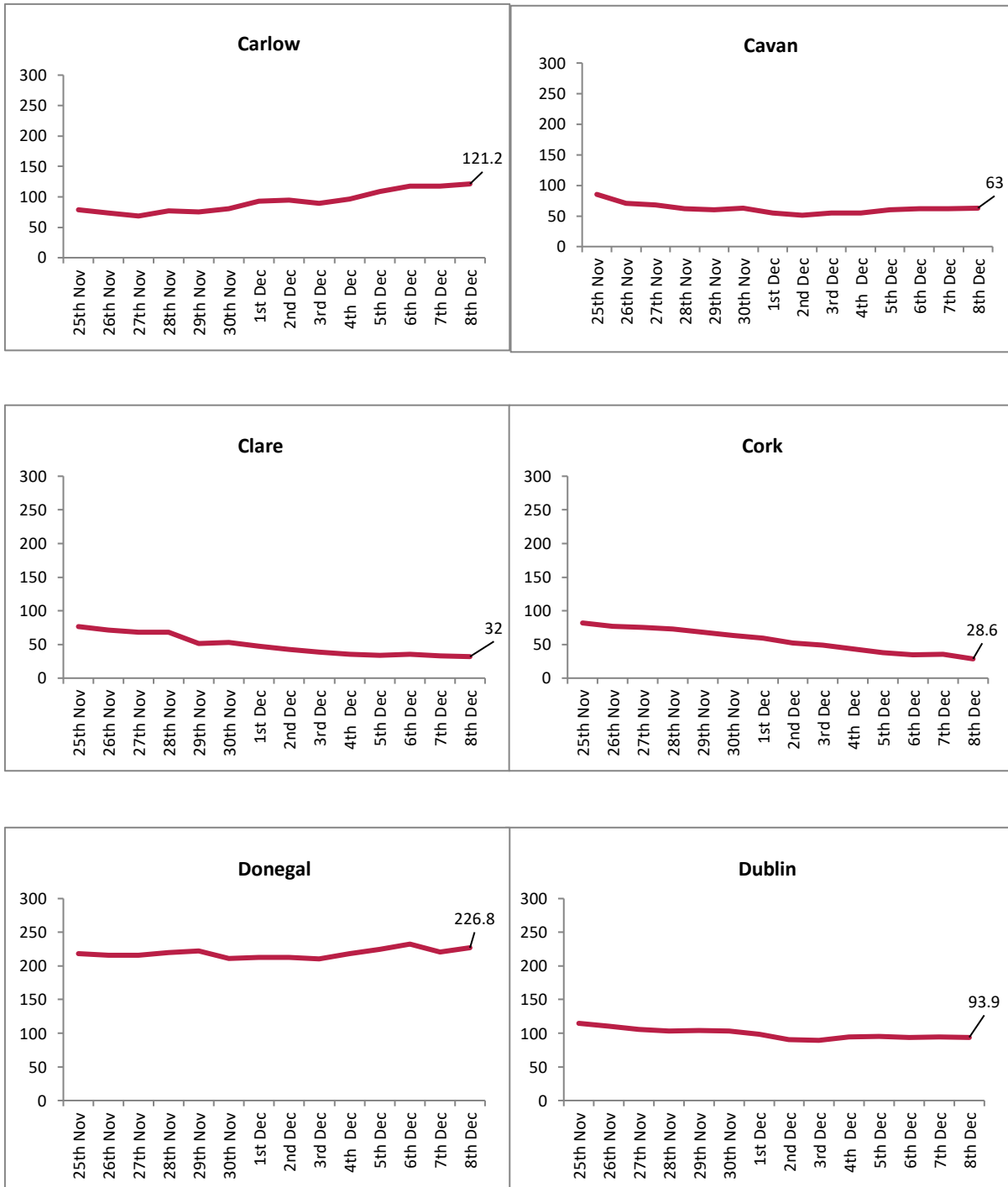
5. Outbreak location

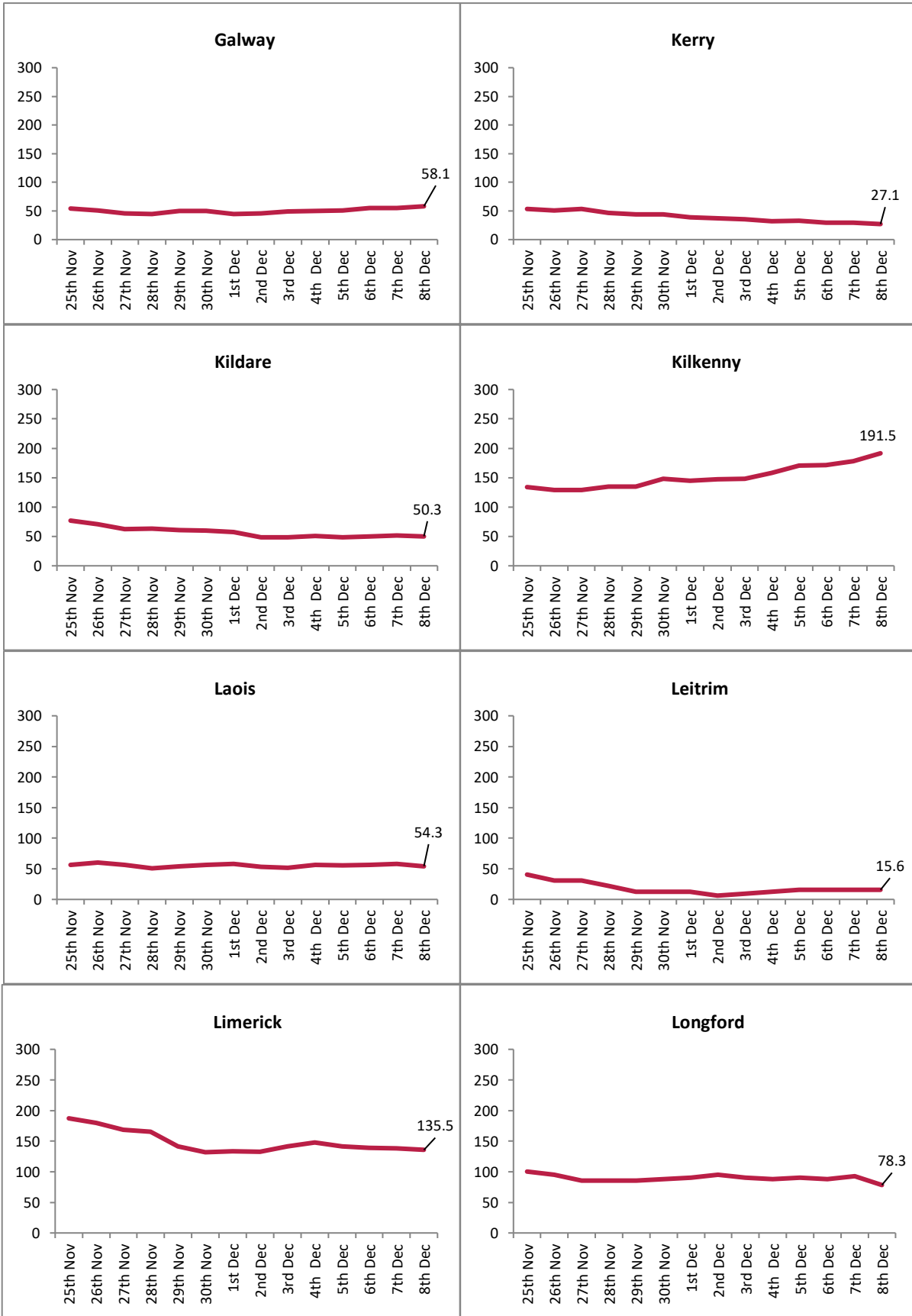
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

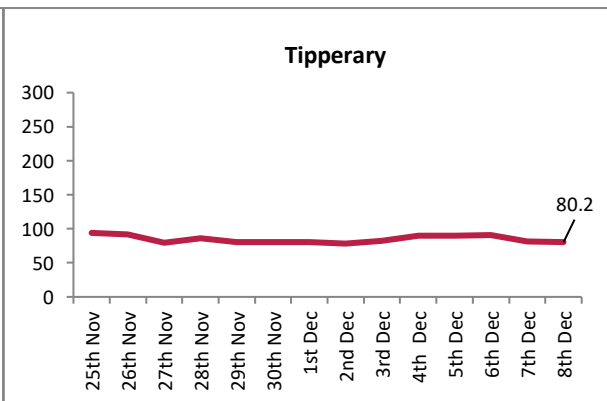
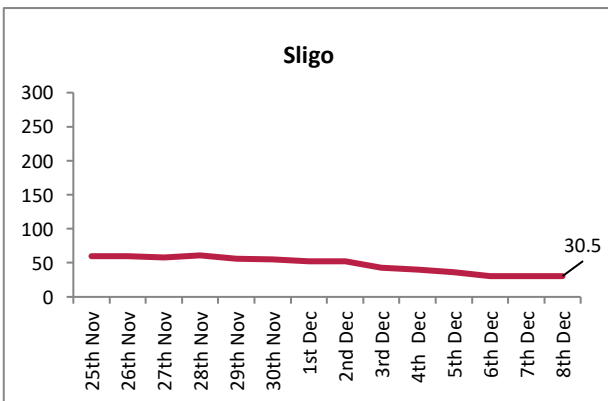
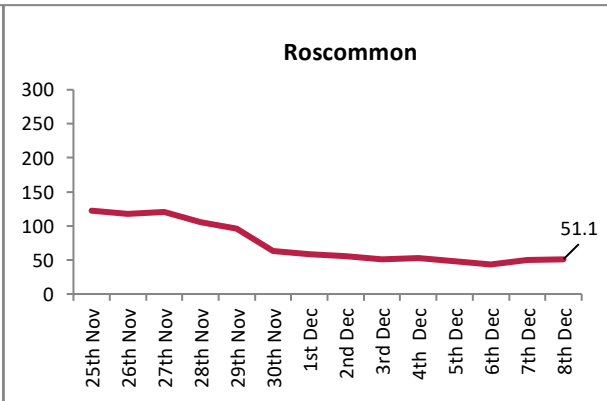
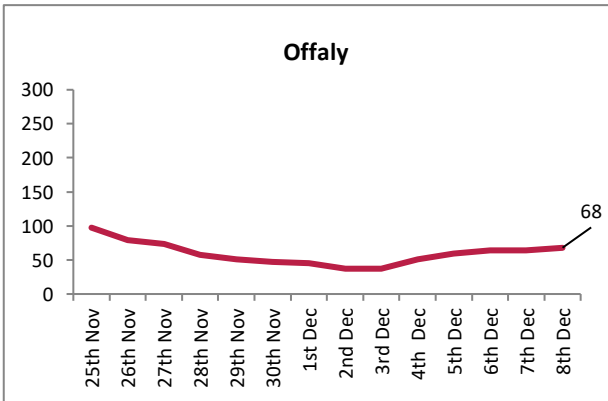
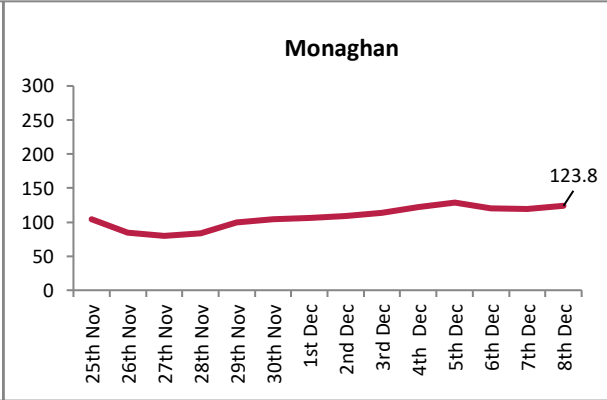
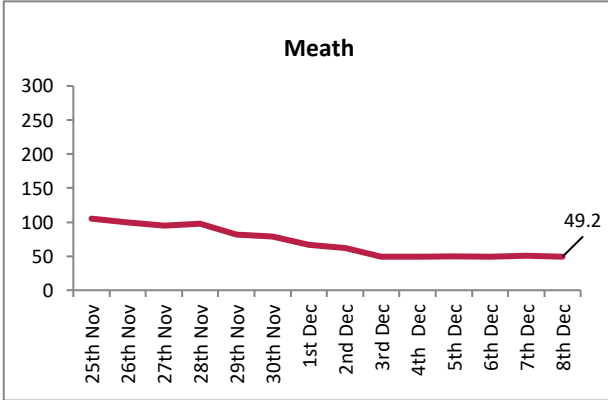
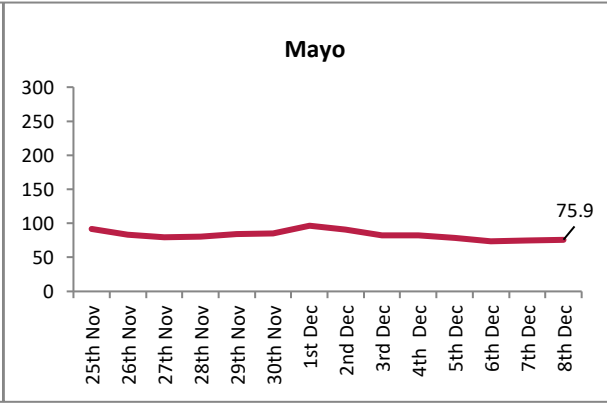
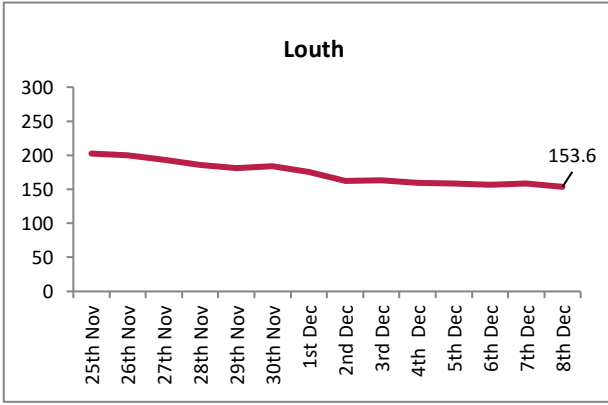
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (25/11/2020 to 08/12/2020)







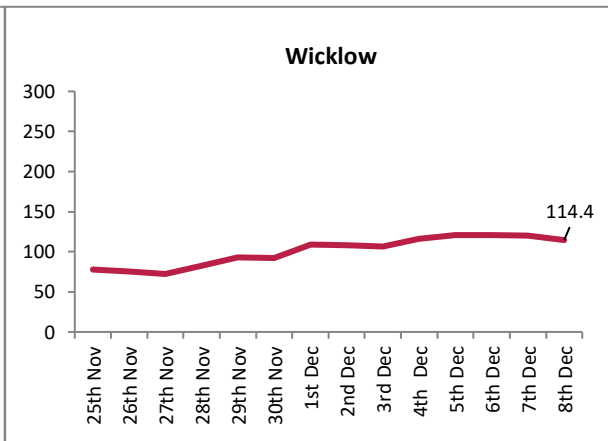
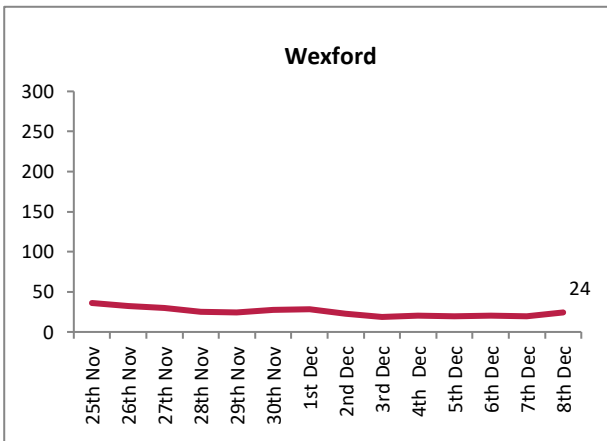
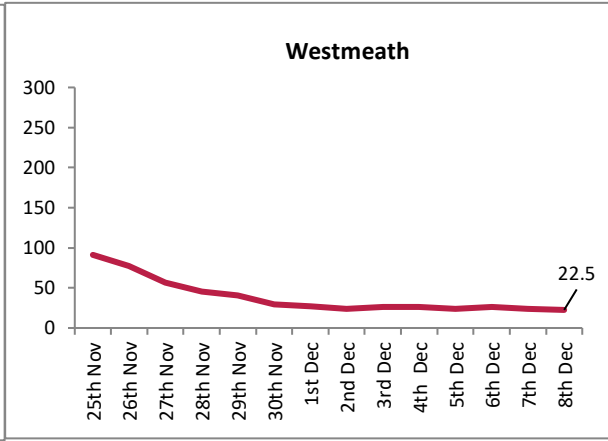
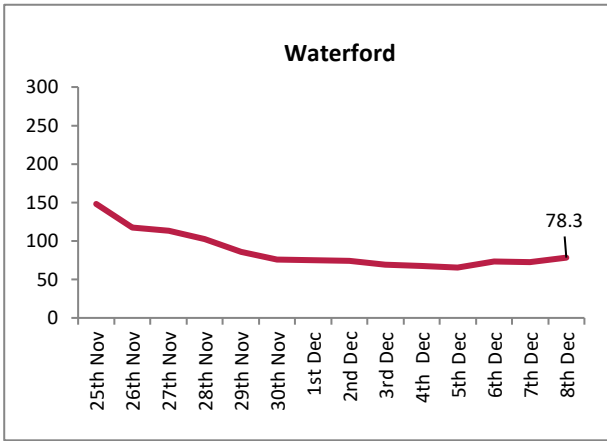


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (25/11/2020 to 08/12/2020)

