



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/11/2020 up to midnight 19/11/2020

	Number	Percent
Total number of confirmed cases	5,384	
National incidence of confirmed cases per 100,000 population	113.06	
Number of cases hospitalised*	379	7.04
Number of cases admitted to ICU*	17	0.32
Number of deaths among confirmed cases	19	0.35
Case fatality ratio (CFR, %)	0.35	
National incidence of confirmed deaths per 100,000 population	0.4	
Number of cases** associated with clusters	2,101	39.02
Number of imported cases	14	0.26
Number of cases in healthcare workers	701	13.02
Males	2,597	48.24
Females	2,778	51.6
M:F ratio	0.93	
Median age (years)	36	
Mean age (years)	38	
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
06/11/2020 - 19/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:30 on 20/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

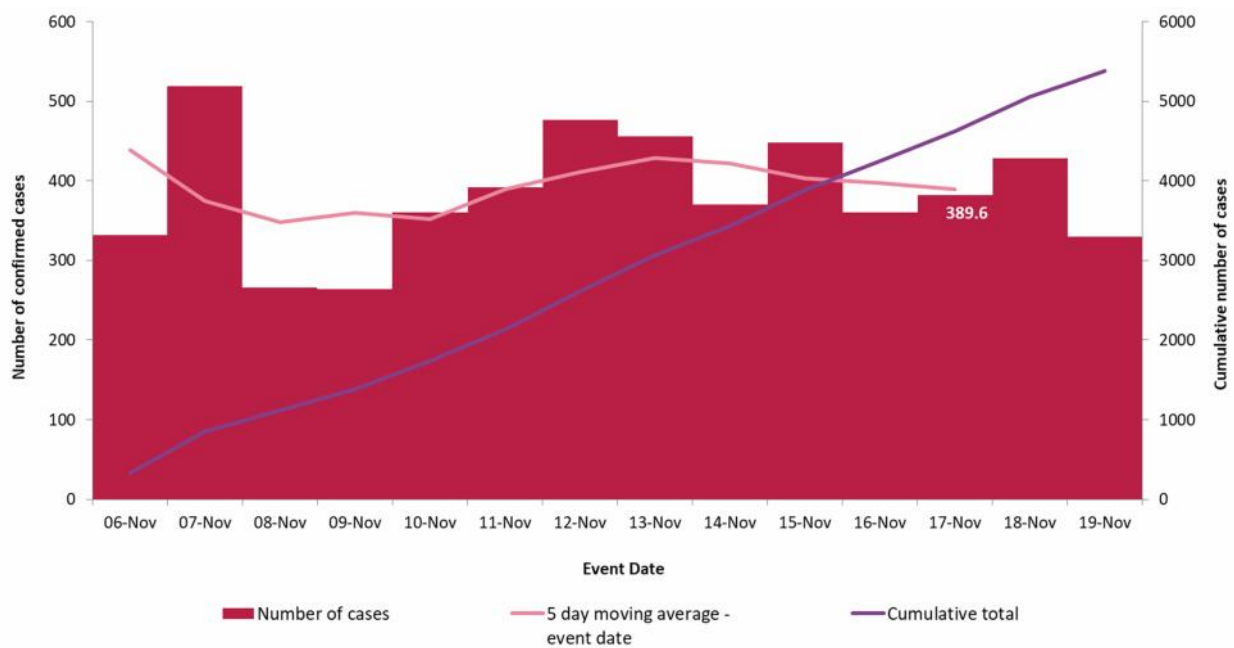


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 06/11/2020 to midnight 19/11/2020 (n=5,384)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/11/2020 up to midnight on 19/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,384	100
Sex	Male:Female ratio	0.93	
	Male	2,597	48.24
	Female	2,778	51.6
	Unknown	9	0.17
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 108	
	0-4 yrs	222	4.12
	5-12 yrs	413	7.67
	13-18 yrs	469	8.71
	19-24 yrs	645	11.98
	25-34 yrs	845	15.69
	35-44 yrs	861	15.99
	45-54 yrs	766	14.23
	55-64 yrs	483	8.97
	65-74 yrs	291	5.4
	75-84 yrs	222	4.12
	85+ yrs	166	3.08
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,376	25.56
	No	3,376	62.7
	Unknown	632	11.74
Symptom status at time of test*	Yes	3,171	58.9
	No	1,444	26.82
	Unknown	769	14.28

*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 06/11/2020 to midnight 19/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	643	164.3
CHO2	399	88.1
CHO3	586	152.2
CHO4	520	75.3
CHO5	517	101.3
CHO6	389	101.5
CHO7	757	107.0
CHO8	830	134.0
CHO9	743	119.6
Total	5,384	113.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 06/11/2020 to midnight 19/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	424	266.3
Limerick	423	217.0
Louth	240	186.2
Waterford	187	161.0
Roscommon	103	159.6
Offaly	107	137.2
Meath	252	129.2
Westmeath	114	128.4
Dublin	1604	119.0
Kilkenny	111	111.9
Longford	43	105.2
Monaghan	63	102.6
Tipperary	159	99.7
Leitrim	31	96.7
Mayo	125	95.8
Carlow	53	93.1
Cavan	70	91.9
Clare	109	91.7
Sligo	56	85.5
Kildare	189	84.9
Laois	71	83.8
Kerry	123	83.3
Cork	397	73.1
Wicklow	96	67.4
Galway	171	66.3
Wexford	63	42.1
Total	5,384	113.1

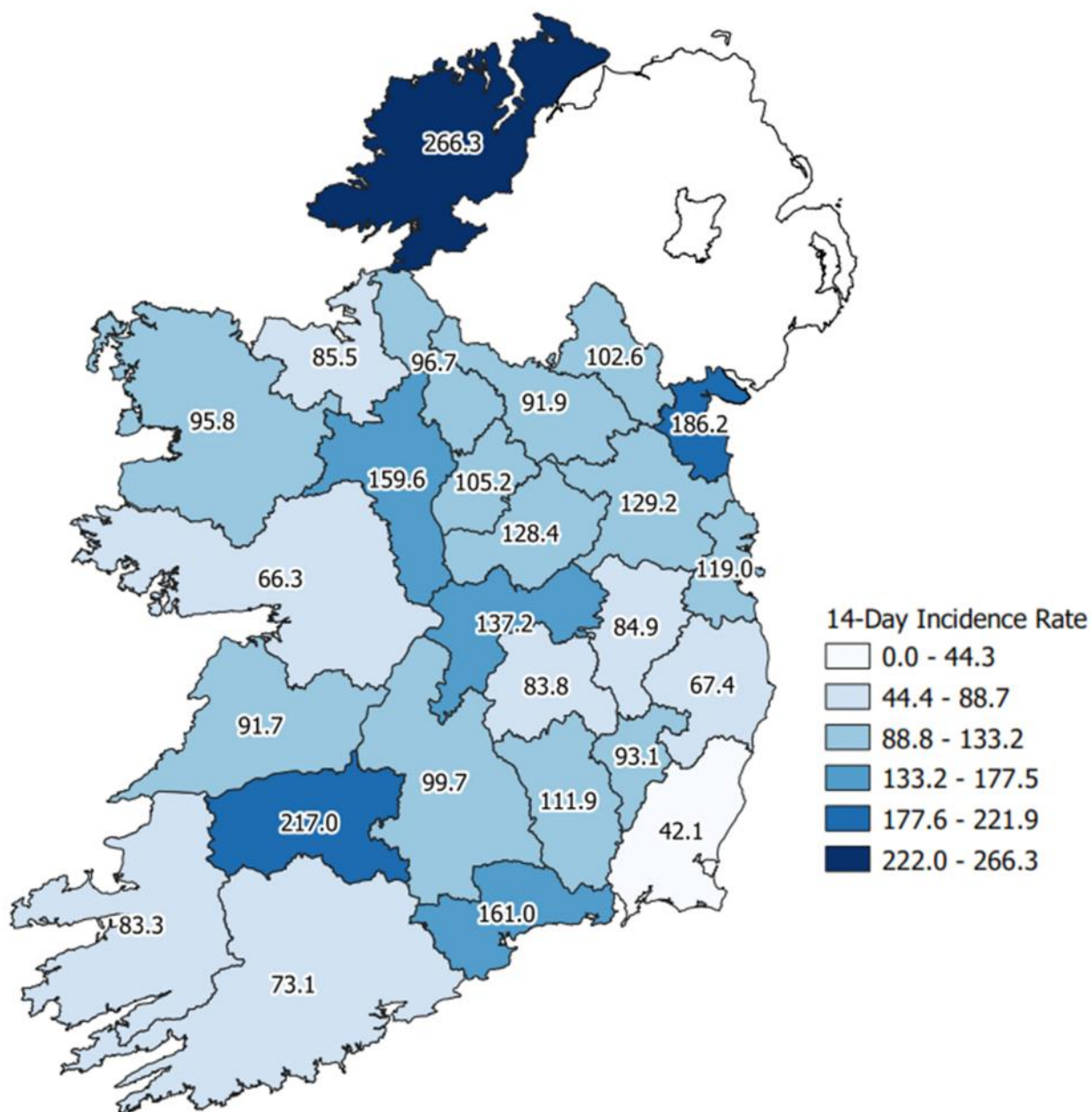


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/11/2020 and 19/11/2020

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 06/11/2020 and 19/11/2020

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification dates	Population (2016 Census)
CCA1	Dublin South	95	69.8	136,074
CCA2	Dublin South East	202	163.3	123,704
CCA3	Dublin South City	139	92.7	149,935
CCA4	Dublin South West	193	120.0	160,898
CCA5	Dublin West	232	149.3	155,343
CCA6	Dublin North West	319	153.6	207,670
CCA7	Dublin North Central	243	157.2	154,583
CCA8	Dublin North	181	69.8	259,152
	Dublin	1604	119.0	1,347,359

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.

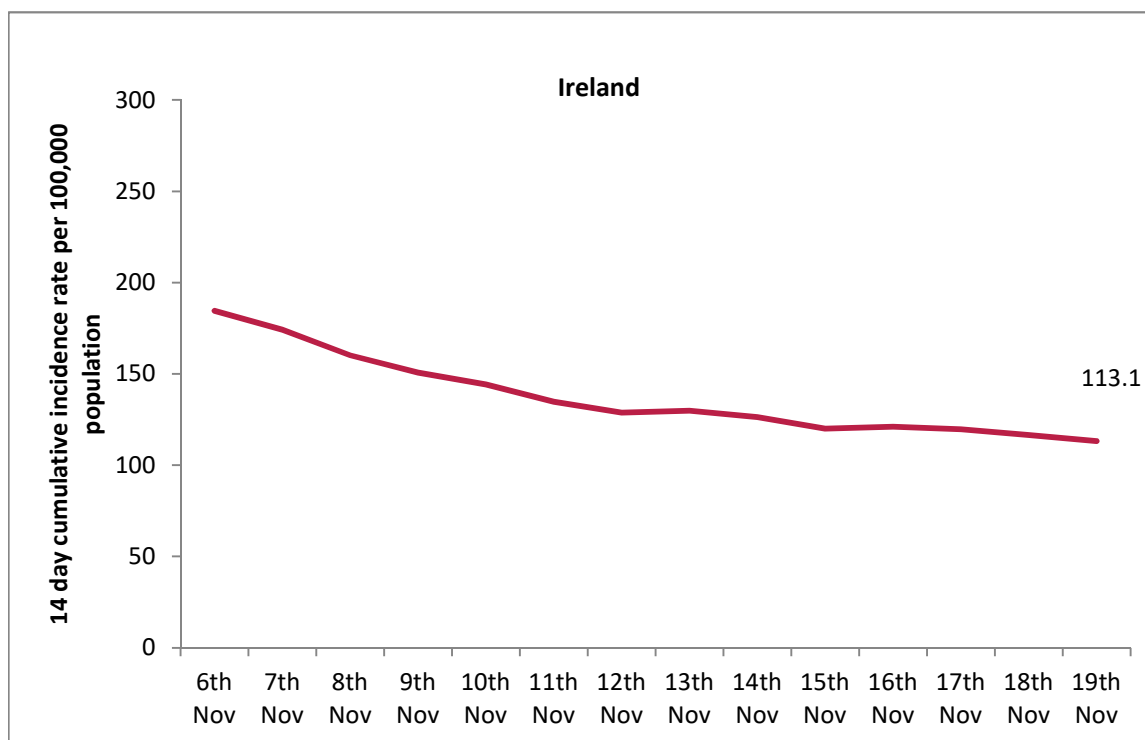


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (19/11/2020 to 06/11/2020)

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties and the Dublin CCAs can be found in appendix 4 of this report

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 06/11/2020 to midnight 19/11/2020 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	222	4	1.06	0	0
5-12 yrs	413	1	0.26	0	0
13-18 yrs	469	12	3.17	0	0
19-24 yrs	645	11	2.9	1	5.88
25-34 yrs	845	21	5.54	1	5.88
35-44 yrs	861	26	6.86	1	5.88
45-54 yrs	766	35	9.23	2	11.76
55-64 yrs	483	38	10.03	3	17.65
65-74 yrs	291	66	17.41	5	29.41
75-84 yrs	222	99	26.12	4	23.53
85+ yrs	166	66	17.41	0	0
Unknown	1			0	0
Total	5,384	379	100	17	100

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 09:30 on 20/11/2020. 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.

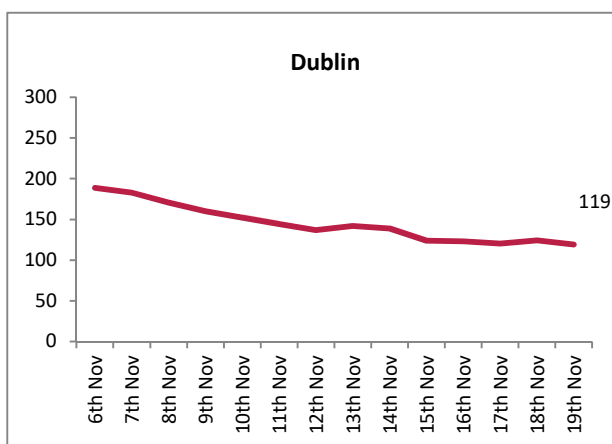
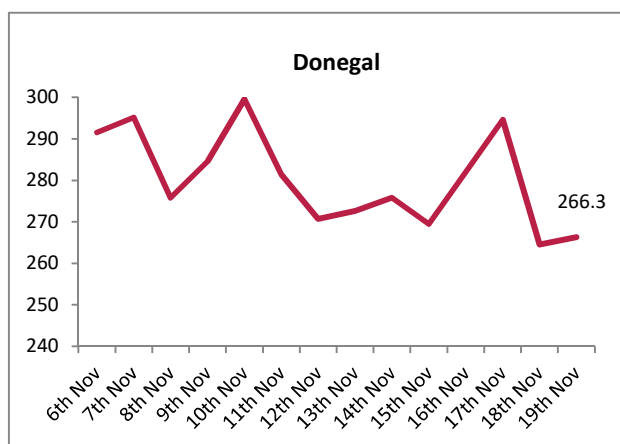
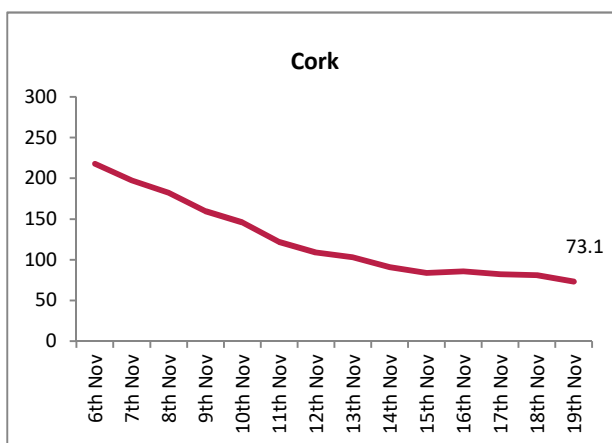
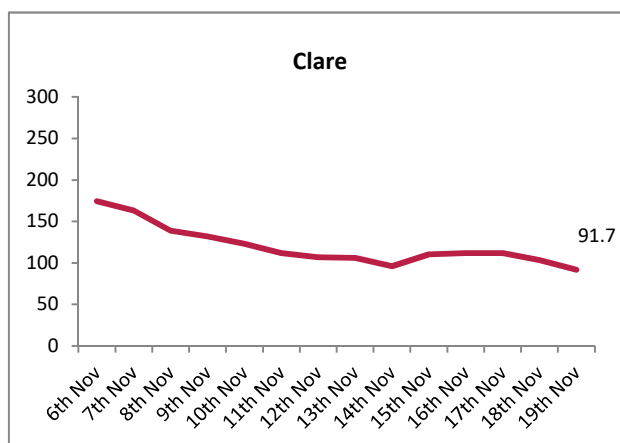
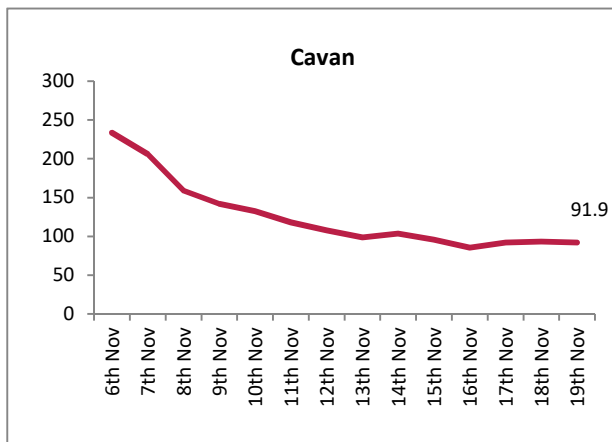
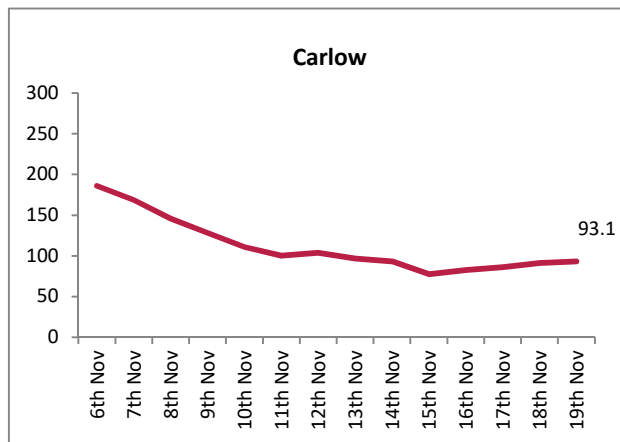
5. Outbreak location

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.

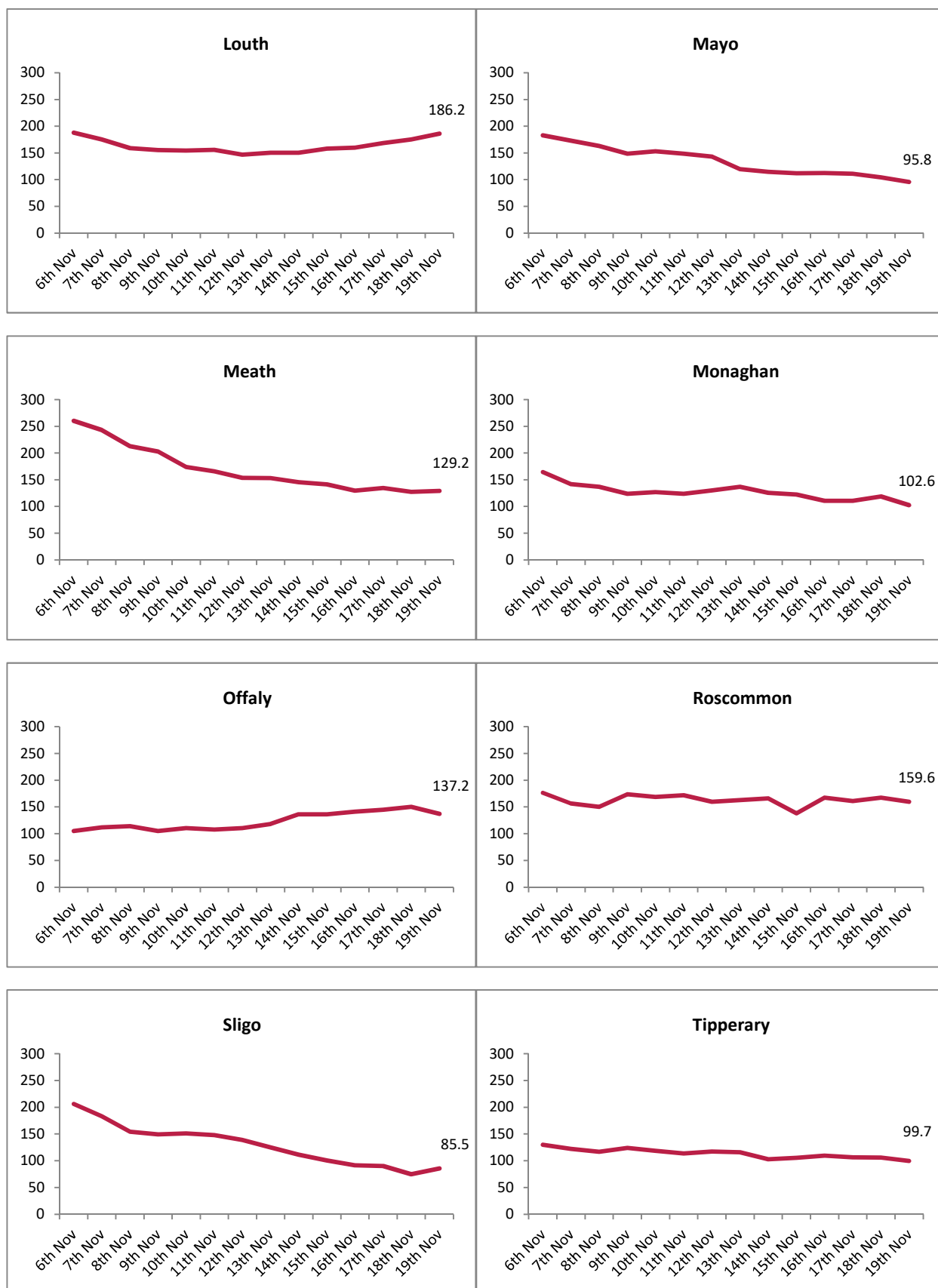
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (19/11/2020 to 06/11/2020)







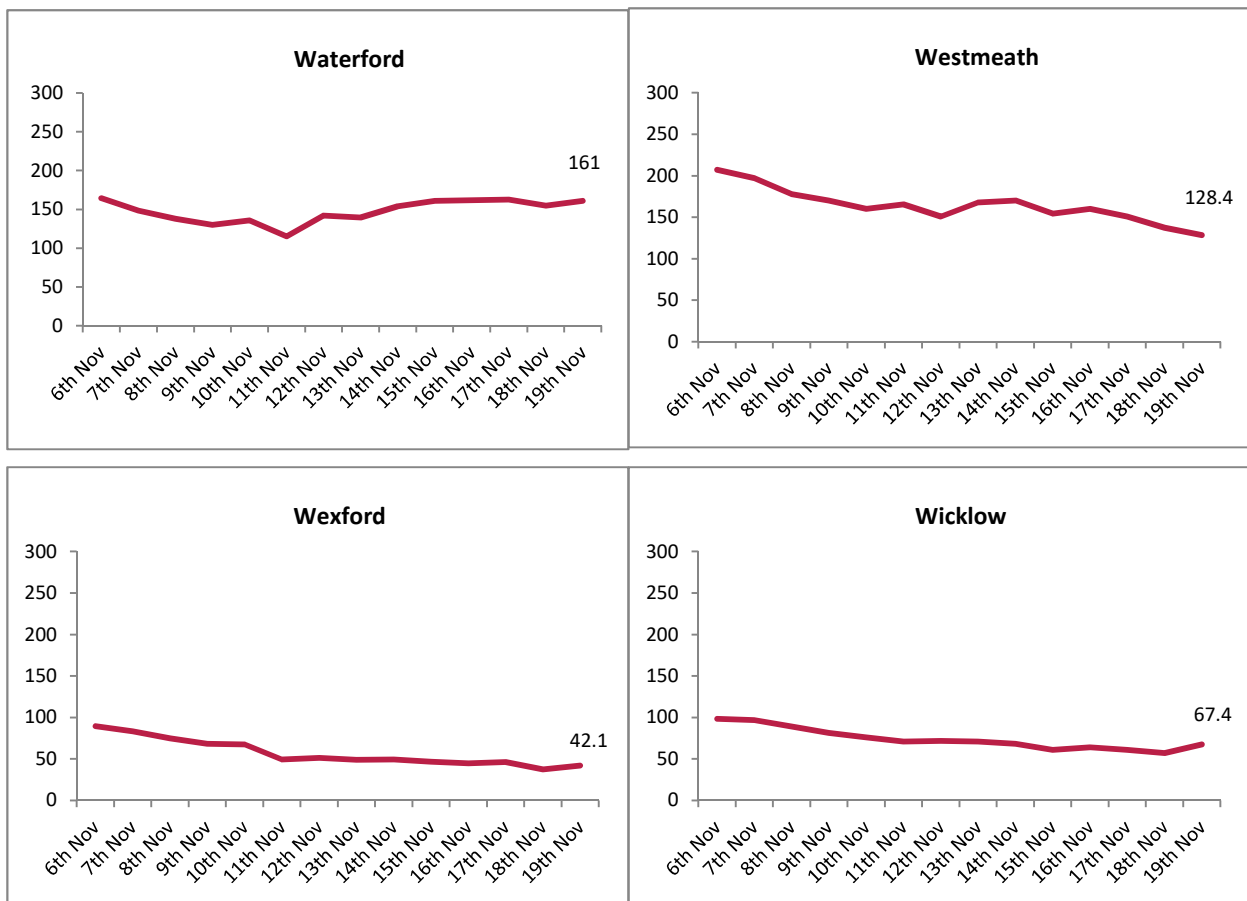


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (06/11/2020 to 19/11/2020)

