



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 12/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/10/2020 up to midnight 11/11/2020

	Number	Percent
Total number of confirmed cases	6,442	
National incidence of confirmed cases per 100,000 population	135.28	
Number of cases hospitalised*	376	5.84
Number of cases admitted to ICU*	22	0.34
Number of deaths among confirmed cases	14	0.22
Case fatality ratio (CFR, %)	0.22	
National incidence of confirmed deaths per 100,000 population	0.29	
Number of cases** associated with clusters	2,159	33.51
Number of imported cases	16	0.25
Number of cases in healthcare workers	596	9.25
Males	3,114	48.34
Females	3,317	51.49
M:F ratio	0.94	
Median age (years)	36	
Mean age (years)	38	
Age range (years)	0 - 101	

* 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
29/10/2020 - 11/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:18 on 12/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

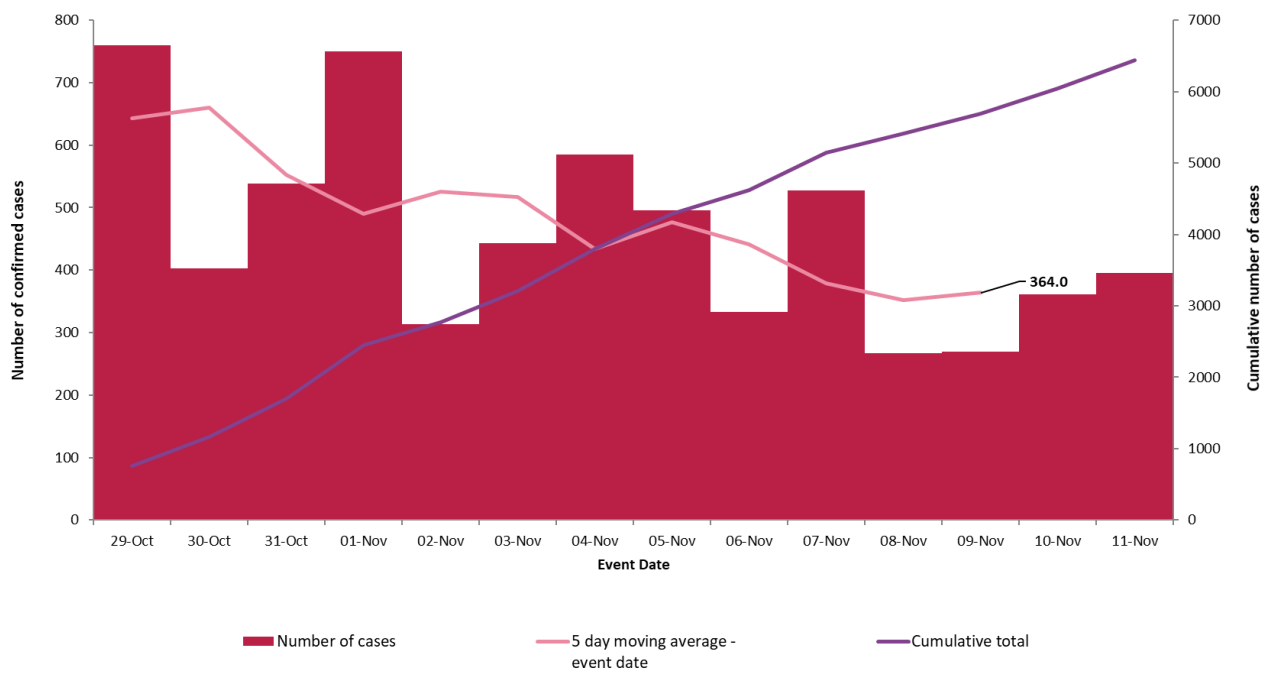


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 29/10/2020 to midnight 11/11/2020 (n=6,442)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 29/10/2020 up to midnight on 11/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,442	100
Sex	Male:Female ratio	0.94	
	Male	3,114	48.34
	Female	3,317	51.49
	Unknown	11	0.17
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 101	
	0-4 yrs	275	4.27
	5-12 yrs	512	7.95
	13-18 yrs	533	8.27
	19-24 yrs	780	12.11
	25-34 yrs	1,011	15.69
	35-44 yrs	983	15.26
	45-54 yrs	931	14.45
	55-64 yrs	605	9.39
	65-74 yrs	388	6.02
	75-84 yrs	253	3.93
	85+ yrs	169	2.62
	Unknown	2	0.03
Underlying clinical conditions	Yes	1,160	18.01
	No	4,341	67.39
	Unknown	941	14.61
Symptom status at time of test*	Yes	3,678	57.09
	No	1,659	25.75
	Unknown	1,105	17.15

*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 29/10/2020 to midnight 11/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	731	186.8
CHO2	554	122.3
CHO3	622	161.6
CHO4	854	123.7
CHO5	464	90.9
CHO6	382	99.7
CHO7	825	116.6
CHO8	935	151.0
CHO9	1075	173.0
Unknown	0	
Total	6,442	135.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 29/10/2020 to midnight 11/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	448	281.4
Limerick	385	197.5
Roscommon	111	172.0
Westmeath	149	167.8
Meath	318	163.0
Louth	206	159.8
Sligo	101	154.1
Mayo	193	147.9
Dublin	1970	146.2
Laois	121	142.9
Longford	54	132.1
Kerry	192	130.0
Kilkenny	127	128.0
Monaghan	75	122.2
Cork	662	121.9
Cavan	90	118.1
Waterford	134	115.3
Tipperary	181	113.4
Clare	130	109.4
Offaly	84	107.7
Carlow	58	101.9
Galway	250	96.9
Kildare	209	93.9
Wicklow	103	72.3
Leitrim	17	53.1
Wexford	74	49.4
Total	6,442	135.3

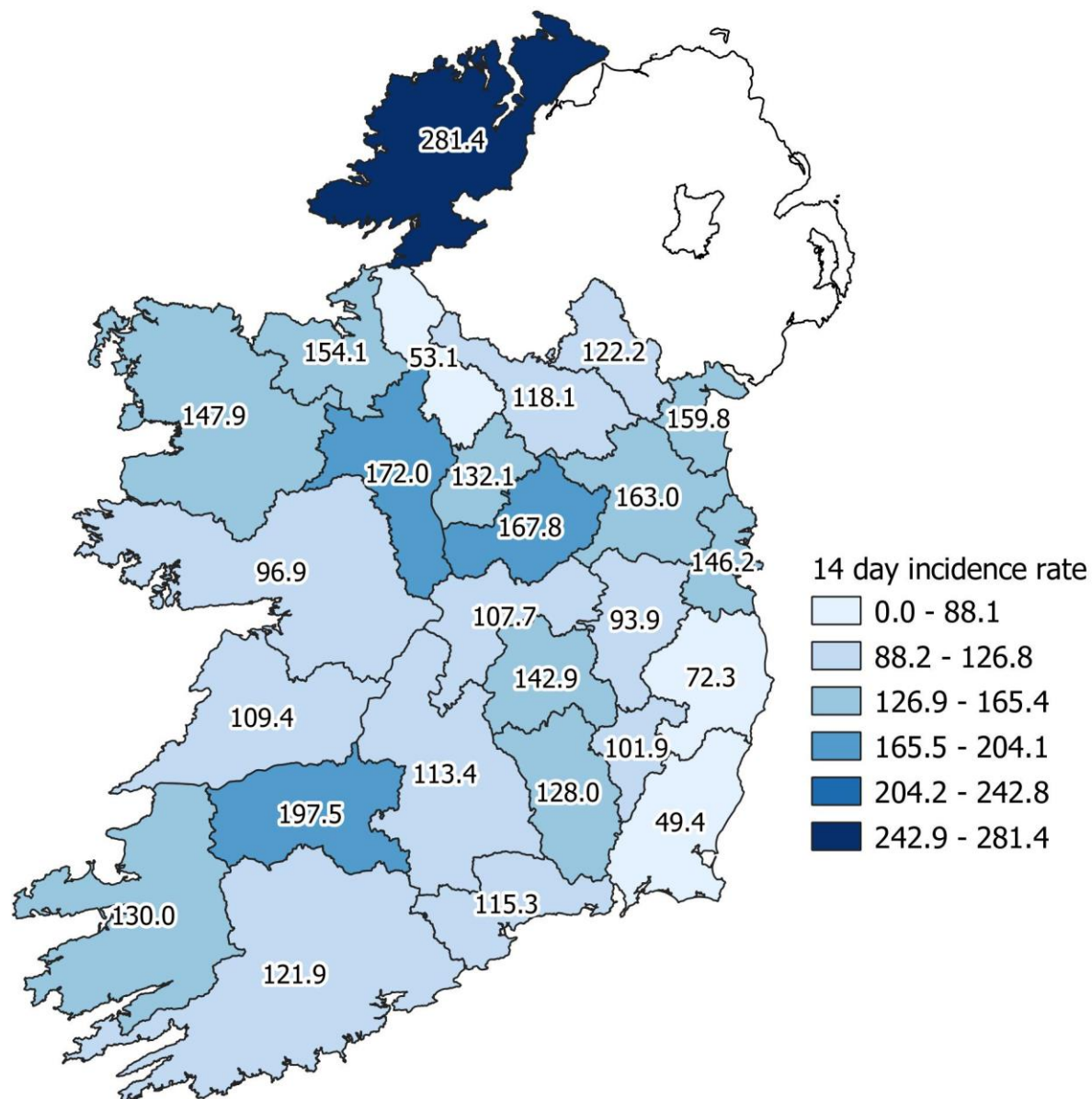


Figure 1: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 29/10/2020 and 11/11/2020

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 29/10/2020 and 11/11/2020

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	76	55.9
CCA2	Dublin South East	205	165.7
CCA3	Dublin South City	126	84.0
CCA4	Dublin South West	219	136.1
CCA5	Dublin West	269	173.2
CCA6	Dublin North West	415	199.8
CCA7	Dublin North Central	286	185.0
CCA8	Dublin North	374	144.3
	Unknown	0	
	Dublin	1,970	146.2

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.

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 29/10/2020 to midnight 11/11/2020 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	275	5	1.33	0	0
5-12 yrs	512	5	1.33	0	0
13-18 yrs	533	5	1.33	0	0
19-24 yrs	780	13	3.46	2	9.09
25-34 yrs	1011	24	6.38	0	0
35-44 yrs	983	30	7.98	2	9.09
45-54 yrs	931	33	8.78	2	9.09
55-64 yrs	605	37	9.84	3	13.64
65-74 yrs	388	79	21.01	8	36.36
75-84 yrs	253	95	25.27	5	22.73
85+ yrs	169	50	13.3	0	0
Unknown	2			0	0
Total	6,442	376	100	22	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 11:18 on 12/11/2020. 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.

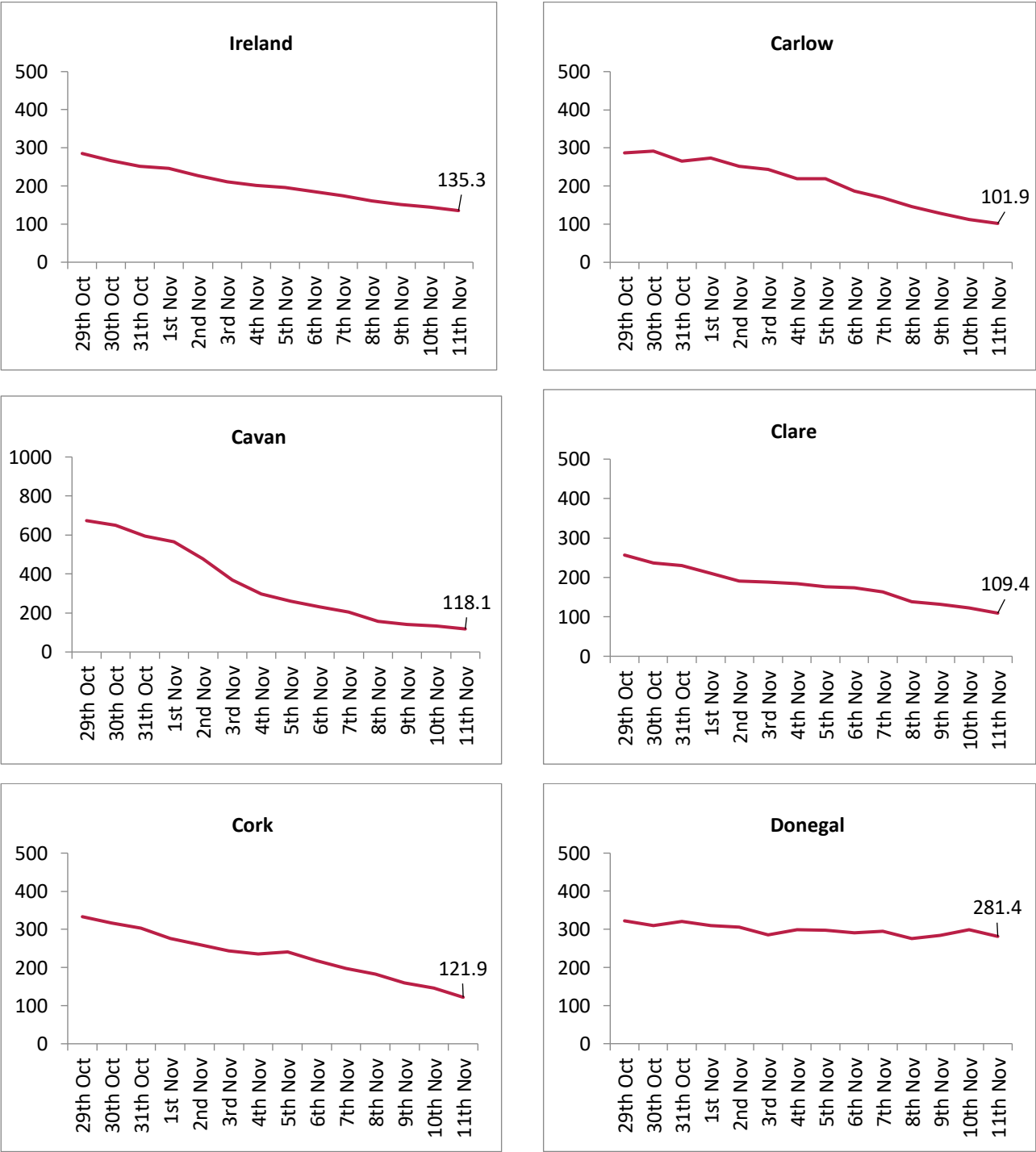
5. Outbreak location

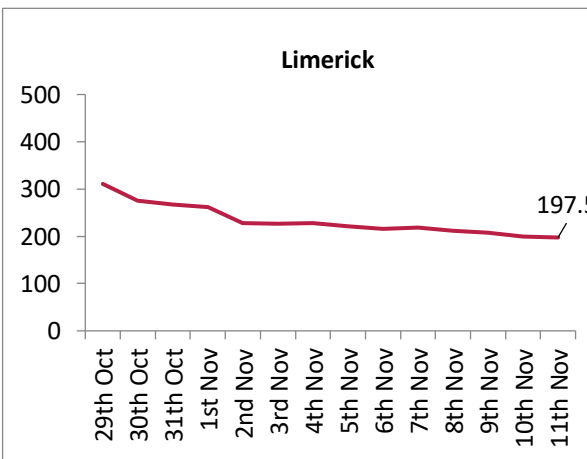
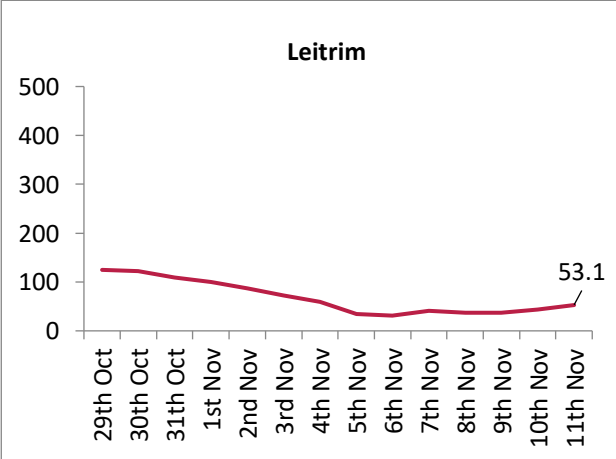
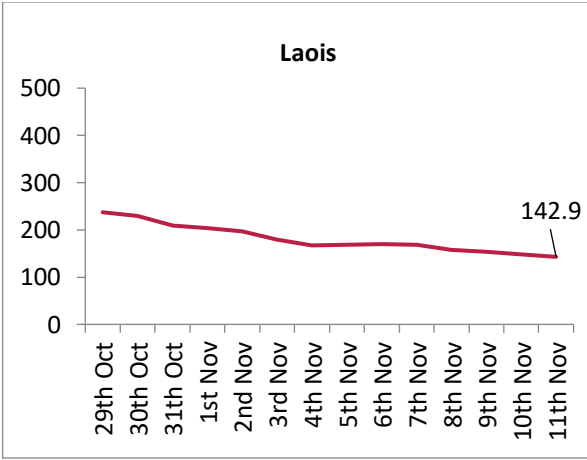
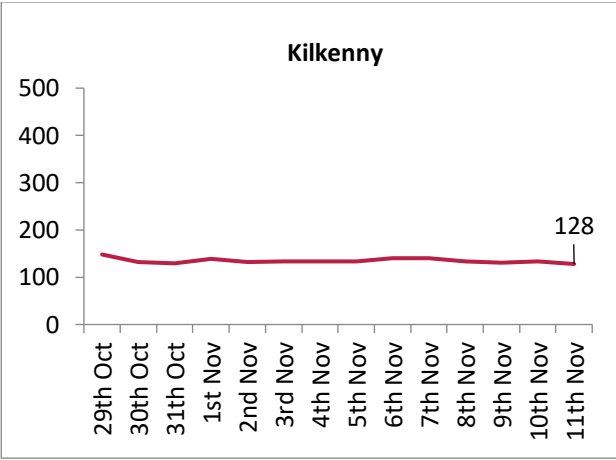
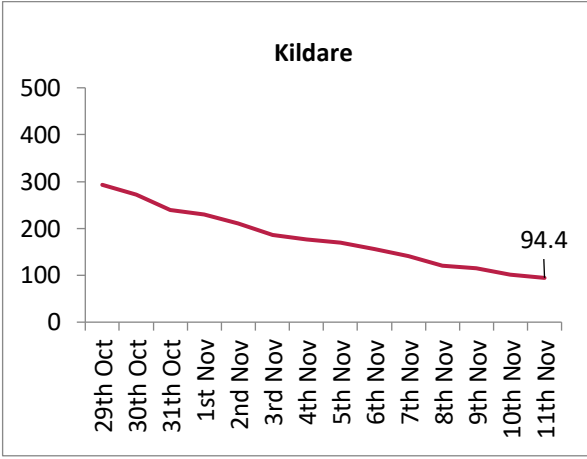
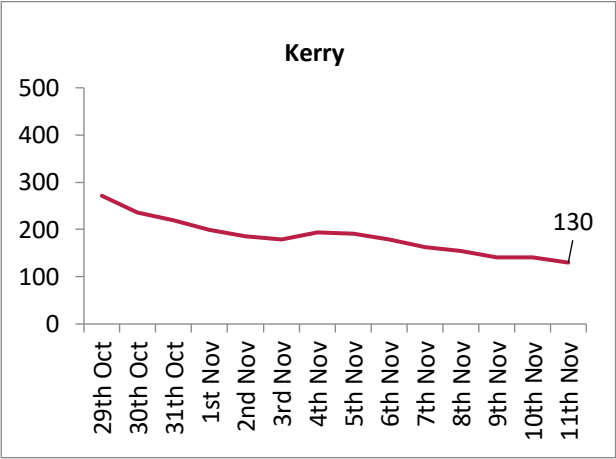
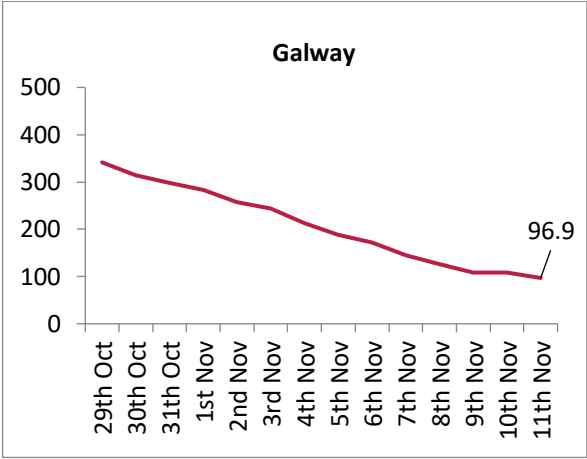
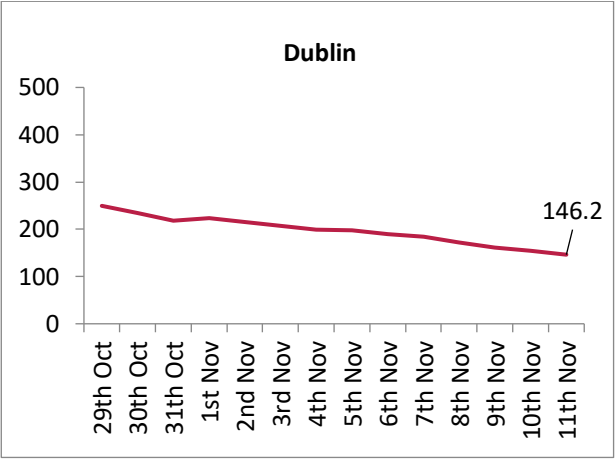
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

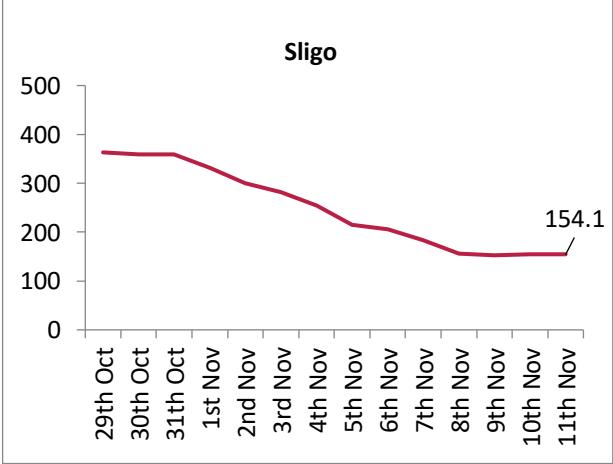
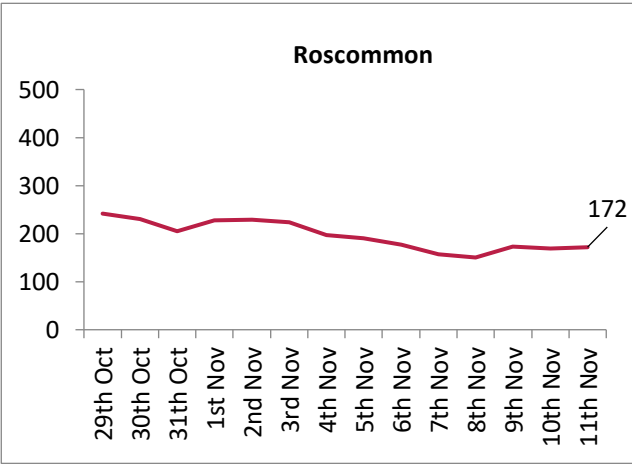
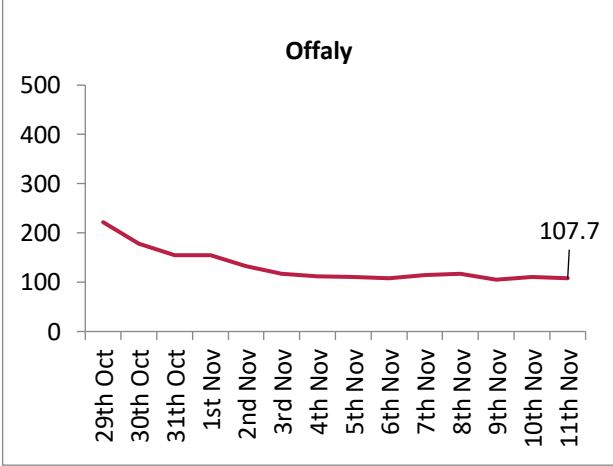
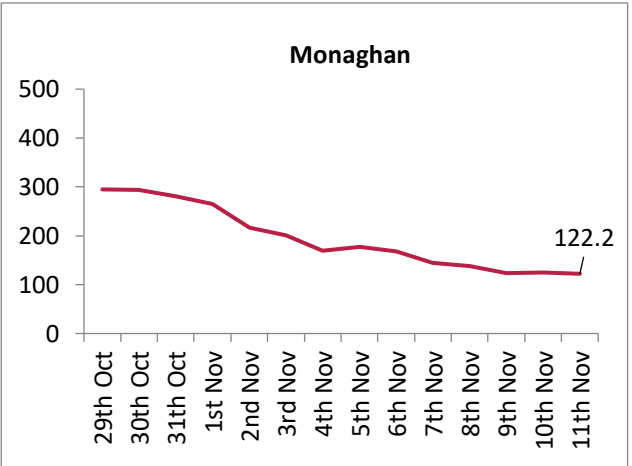
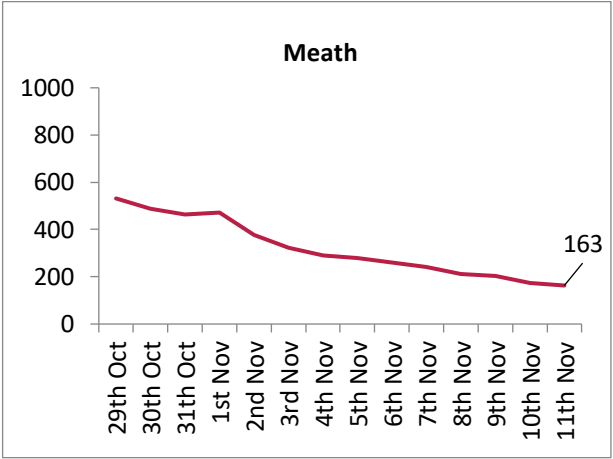
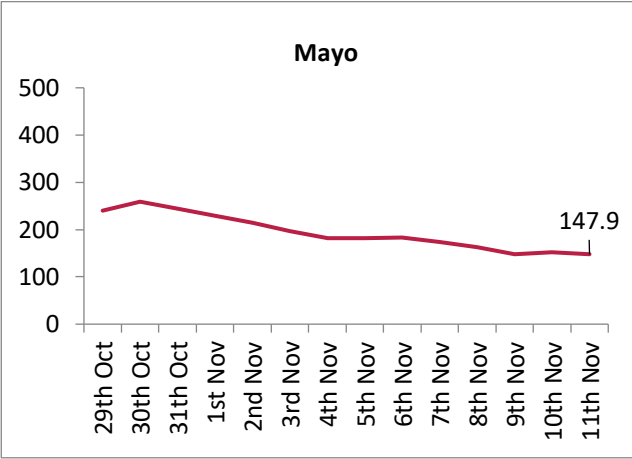
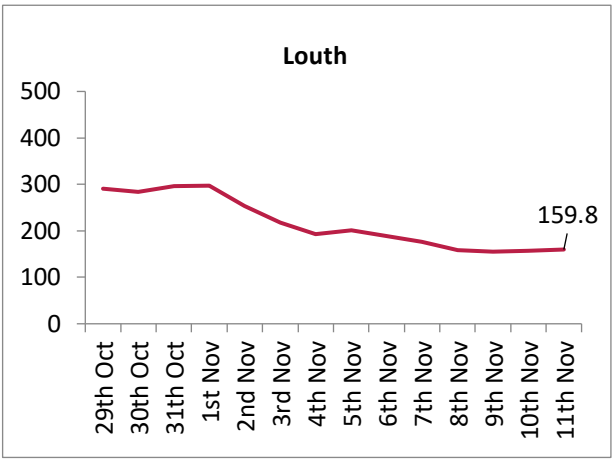
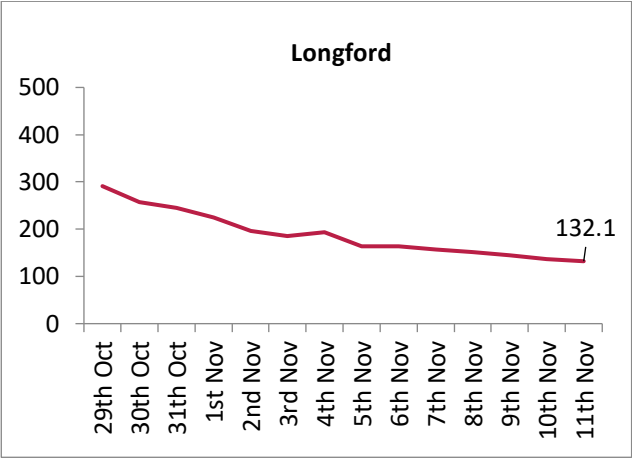
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix A

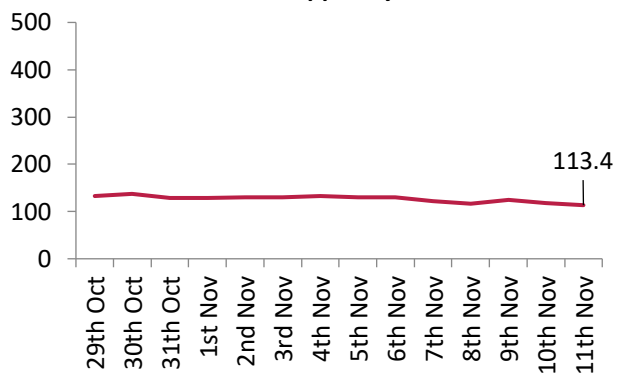
Figure A. 14 day incidence rates per 100,000 population of confirmed cases of COVID-19 by county (Oct 29th to Nov 11th 2020)



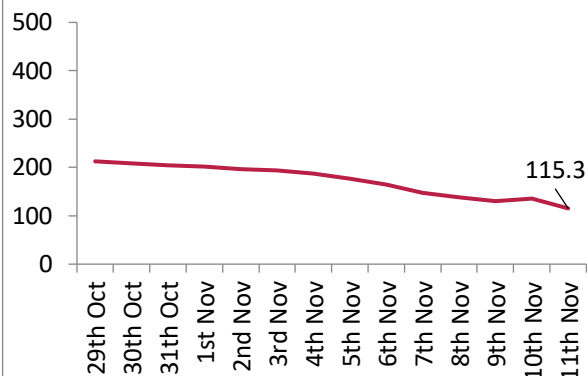




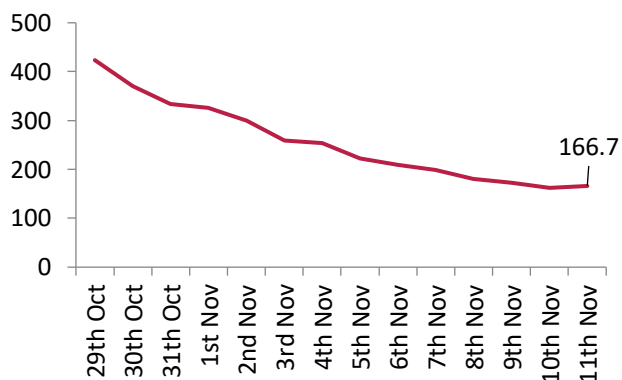
Tipperary



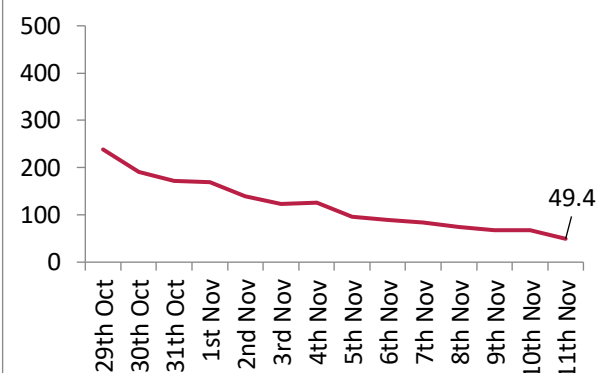
Waterford



Westmeath



Wexford



Wicklow

