



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 21/11/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/11/2020 up to midnight 20/11/2020

	Number	Percent
Total number of confirmed cases	5,394	
National incidence of confirmed cases per 100,000 population	113.27	
Number of cases hospitalised*	366	6.79
Number of cases admitted to ICU*	14	0.26
Number of deaths among confirmed cases	21	0.39
Case fatality ratio (CFR, %)	0.39	
National incidence of confirmed deaths per 100,000 population	0.44	
Number of cases** associated with clusters	2,187	40.55
Number of imported cases	9	0.17
Number of cases in healthcare workers	706	13.09
Males	2,598	48.16
Females	2,786	51.65
M:F ratio	0.93	
Median age (years)	35	
Mean age (years)	37	
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
07/11/2020 - 20/11/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:27 on 21/11/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

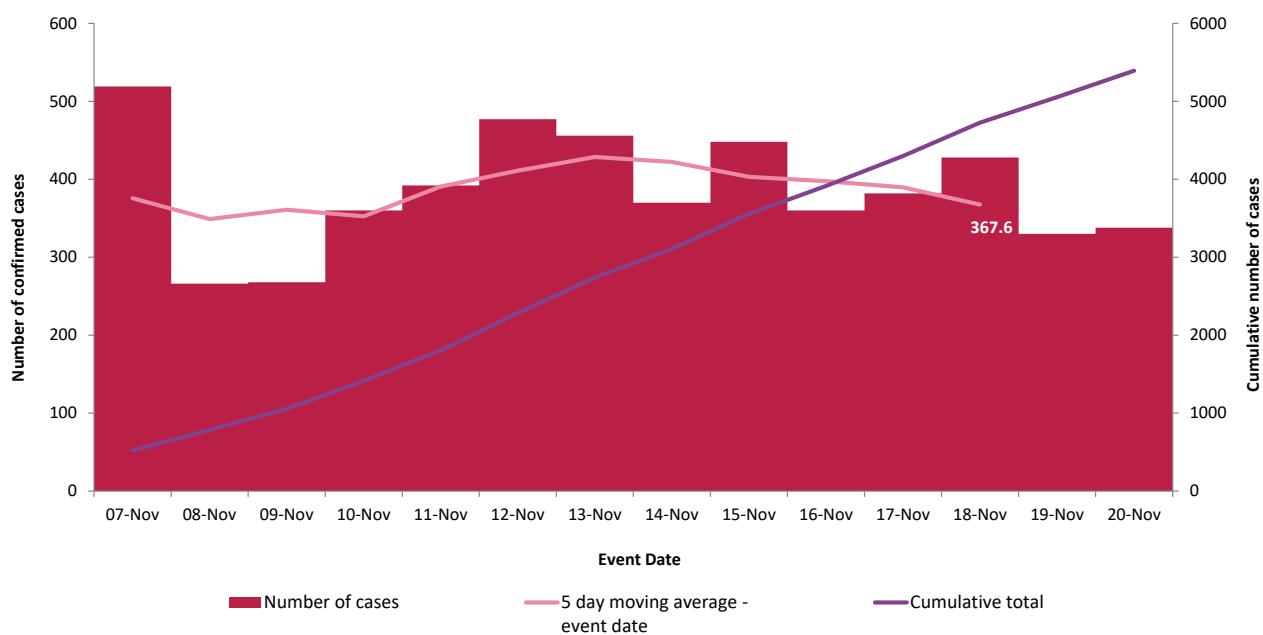


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date from 07/11/2020 to midnight 20/11/2020 (n=5,394)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 07/11/2020 up to midnight on 20/11/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,394	100
Sex	Male:Female ratio	0.93	
	Male	2,598	48.16
	Female	2,786	51.65
	Unknown	10	0.19
Age	Median age (years)	35	
	Mean age (years)	37	
	Age range (years)	0 - 108	
	0-4 yrs	228	4.23
	5-12 yrs	414	7.68
	13-18 yrs	484	8.97
	19-24 yrs	656	12.16
	25-34 yrs	851	15.78
	35-44 yrs	848	15.72
	45-54 yrs	766	14.2
	55-64 yrs	468	8.68
	65-74 yrs	286	5.3
	75-84 yrs	223	4.13
	85+ yrs	169	3.13
	Unknown	1	0.02
Underlying clinical conditions	Yes	1,386	25.7
	No	3,402	63.07
	Unknown	606	11.23
Symptom status at time of test*	Yes	3,191	59.16
	No	1,464	27.14
	Unknown	739	13.7

*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 07/11/2020 to midnight 20/11/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	629	160.8
CHO2	365	80.6
CHO3	584	151.7
CHO4	525	76.0
CHO5	492	96.4
CHO6	398	103.9
CHO7	779	110.1
CHO8	849	137.1
CHO9	773	124.4
Total	5,394	113.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 07/11/2020 to midnight 20/11/2020

County	Number of confirmed cases	Incidence per 100,000 population
Donegal	406	255.0
Limerick	425	218.1
Louth	260	201.7
Roscommon	102	158.0
Waterford	182	156.7
Offaly	110	141.1
Meath	256	131.3
Westmeath	110	123.9
Dublin	1,659	123.1
Monaghan	67	109.1
Longford	42	102.8
Kilkenny	100	100.8
Cavan	75	98.5
Tipperary	154	96.5
Clare	107	90.1
Carlow	51	89.6
Leitrim	28	87.4
Kildare	193	86.7
Sligo	54	82.4
Laois	68	80.3
Mayo	103	78.9
Cork	419	77.2
Kerry	106	71.8
Wicklow	98	68.8
Galway	160	62.0
Wexford	59	39.4
Total	5,394	113.3

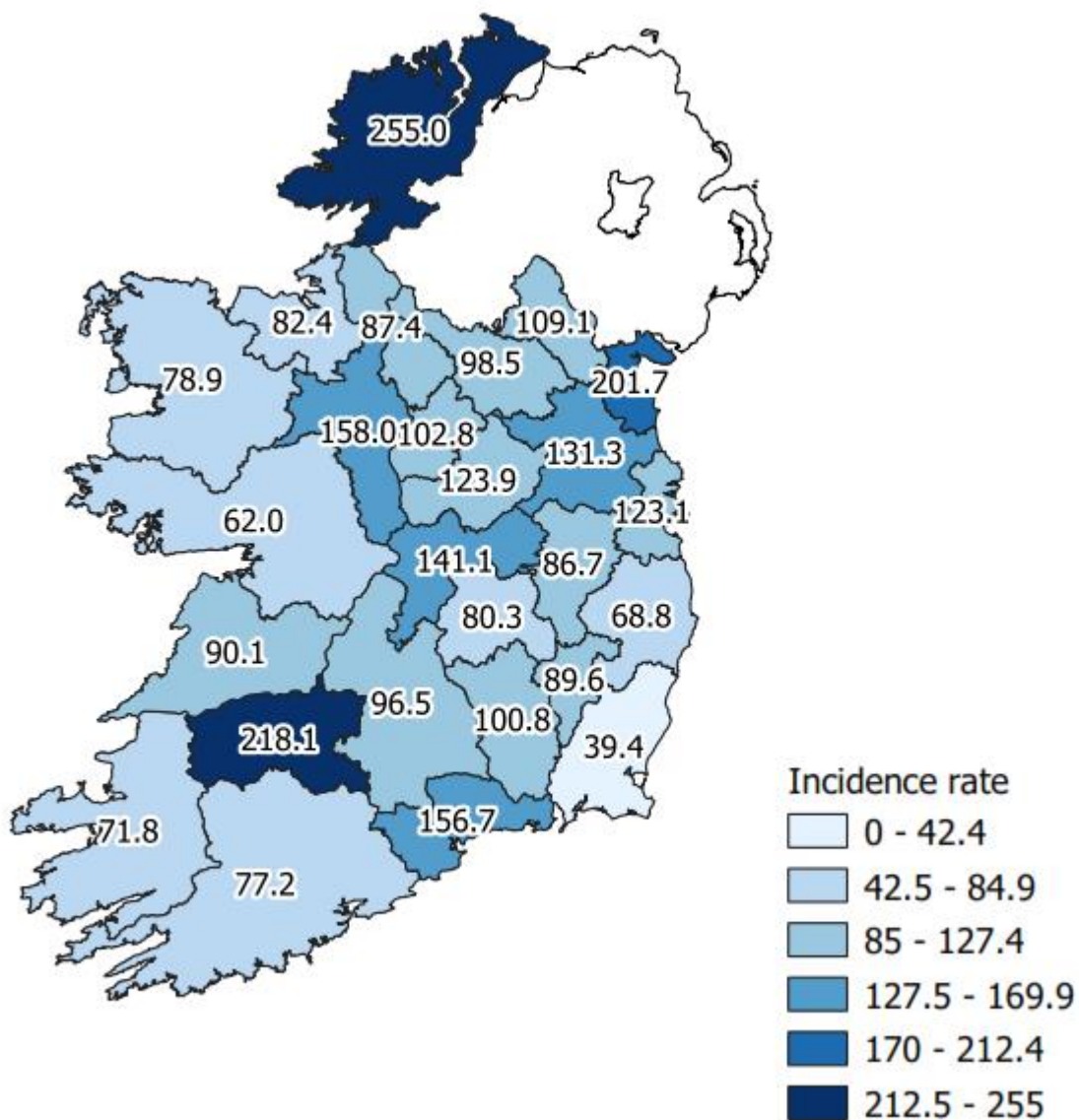


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/11/2020 and 20/11/2020

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 07/11/2020 and 20/11/2020

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	208	168.1
CCA3	Dublin South City	145	96.7
CCA4	Dublin South West	188	116.8
CCA5	Dublin West	248	159.6
CCA6	Dublin North West	327	157.5
CCA7	Dublin North Central	259	167.5
CCA8	Dublin North	187	72.2
	Dublin	1659	123.1

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.

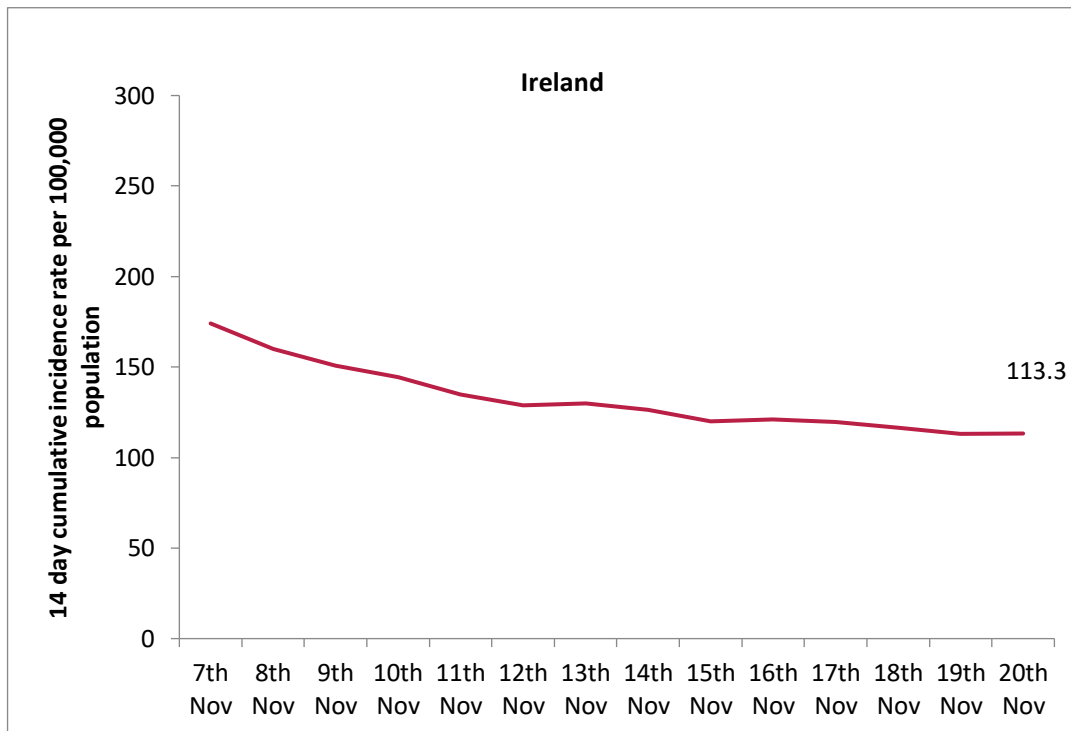


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (07/11/2020 to 20/11/2020)

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

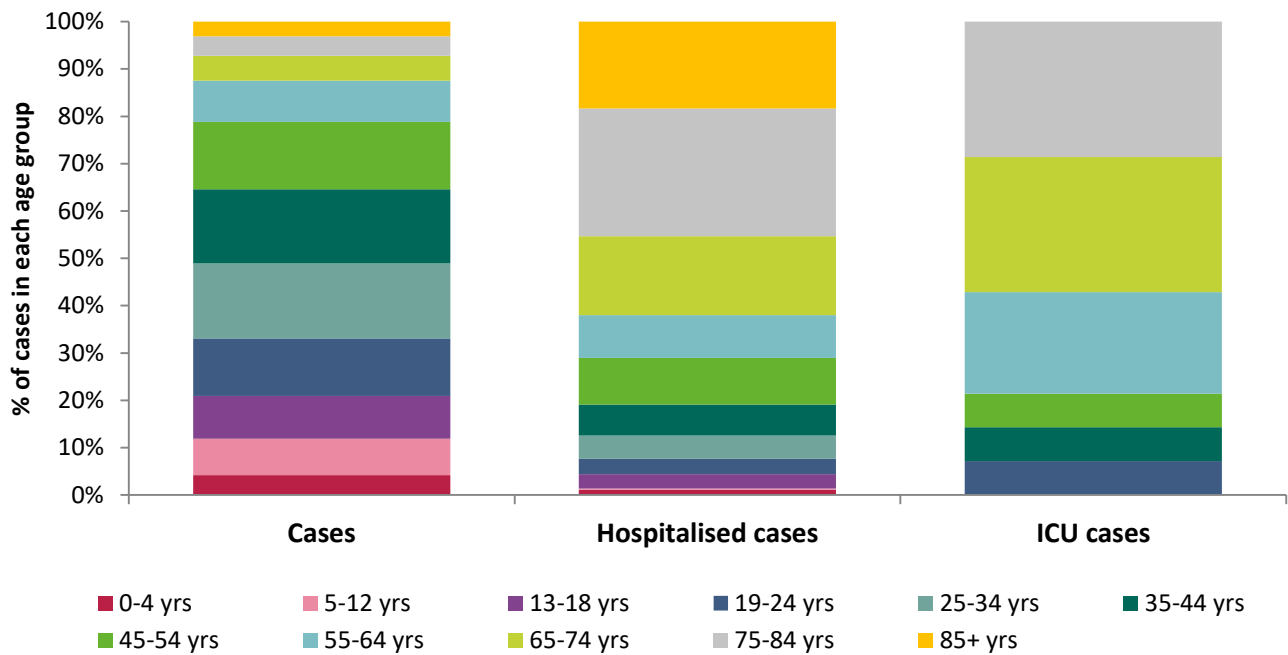


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 07/11/2020 to midnight 20/11/2020 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 11:27 on 21/11/2020. 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.

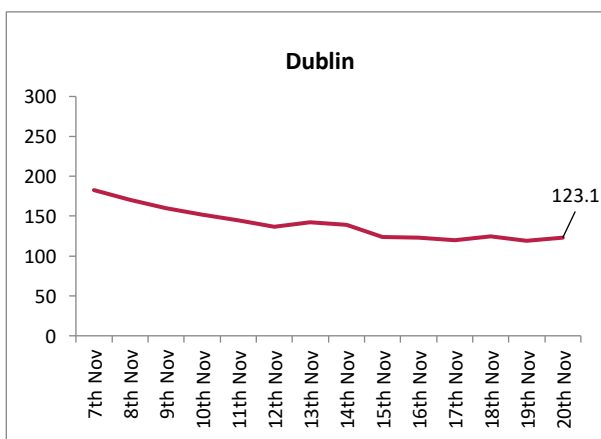
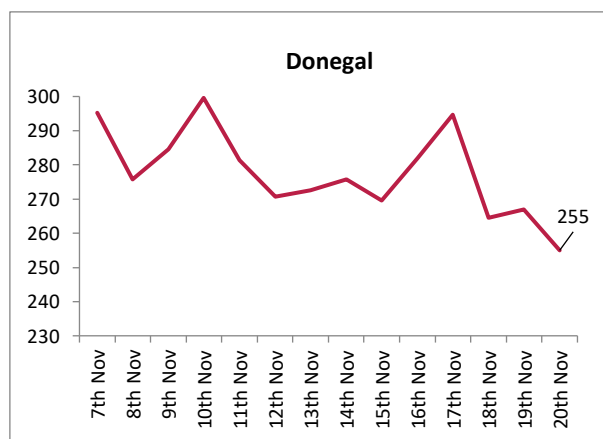
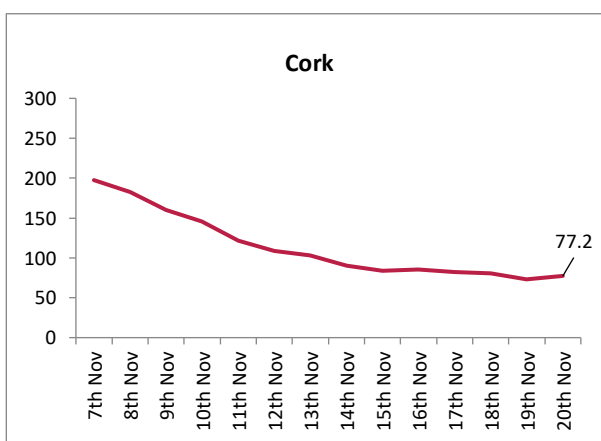
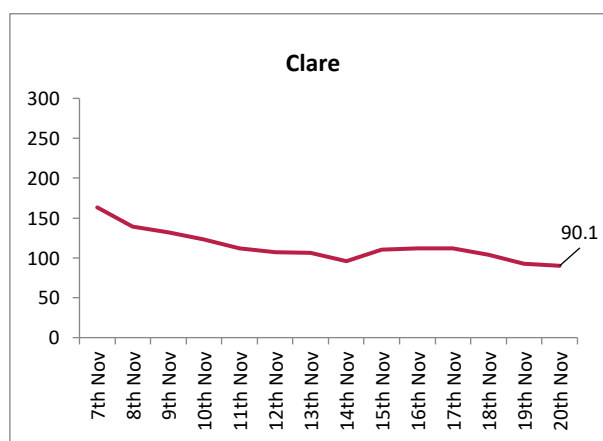
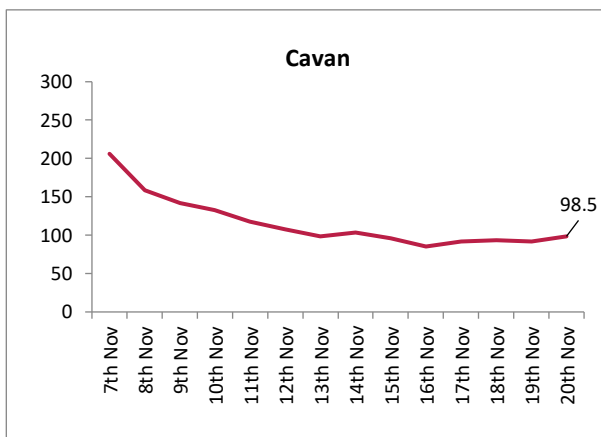
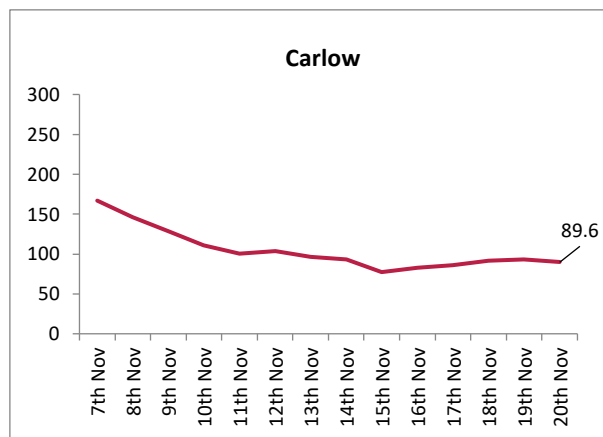
5. Outbreak location

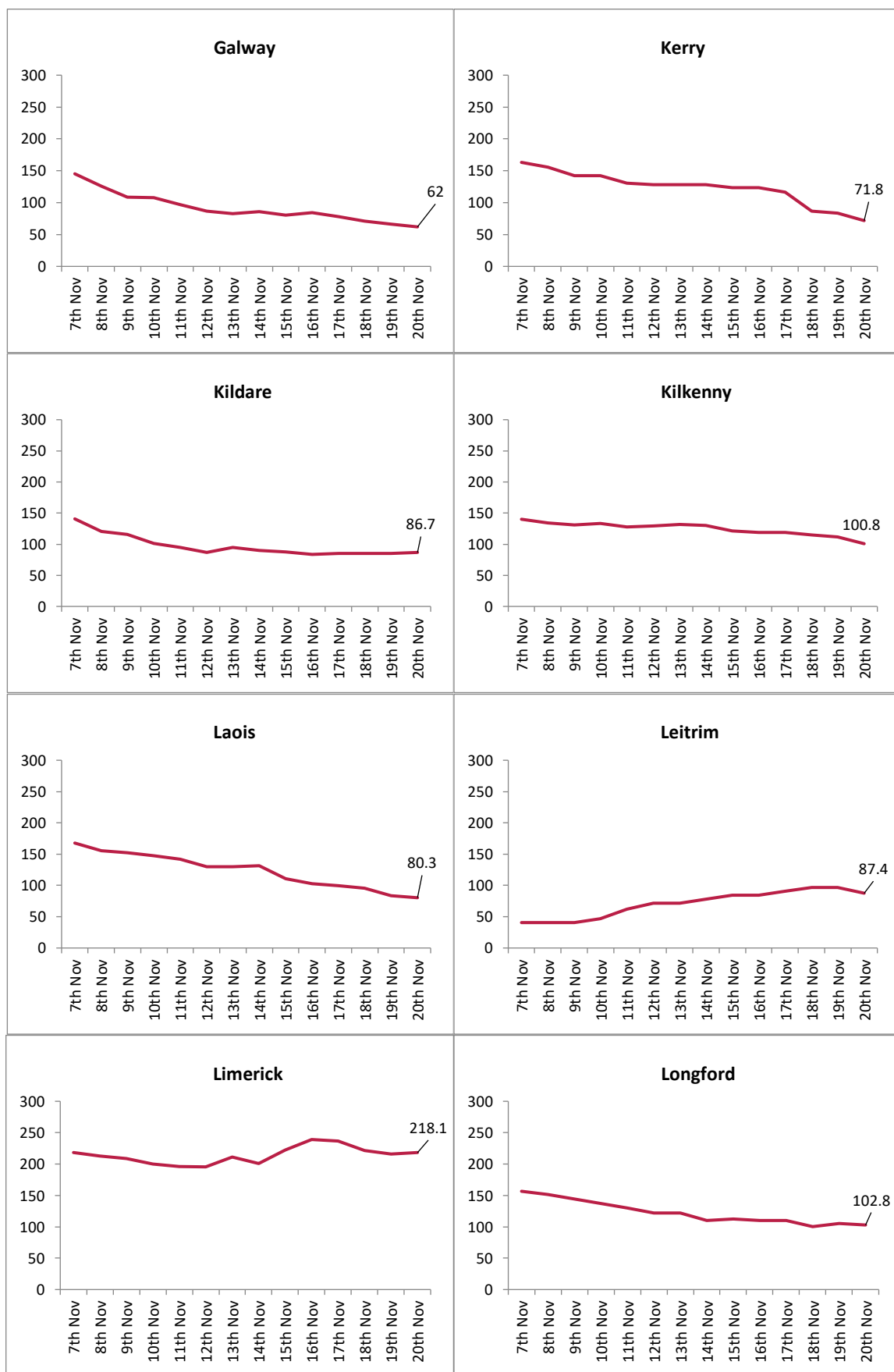
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

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 (07/11/2020 to 20/11/2020)







Report prepared by Health Protection Surveillance Centre on 21/11/2020

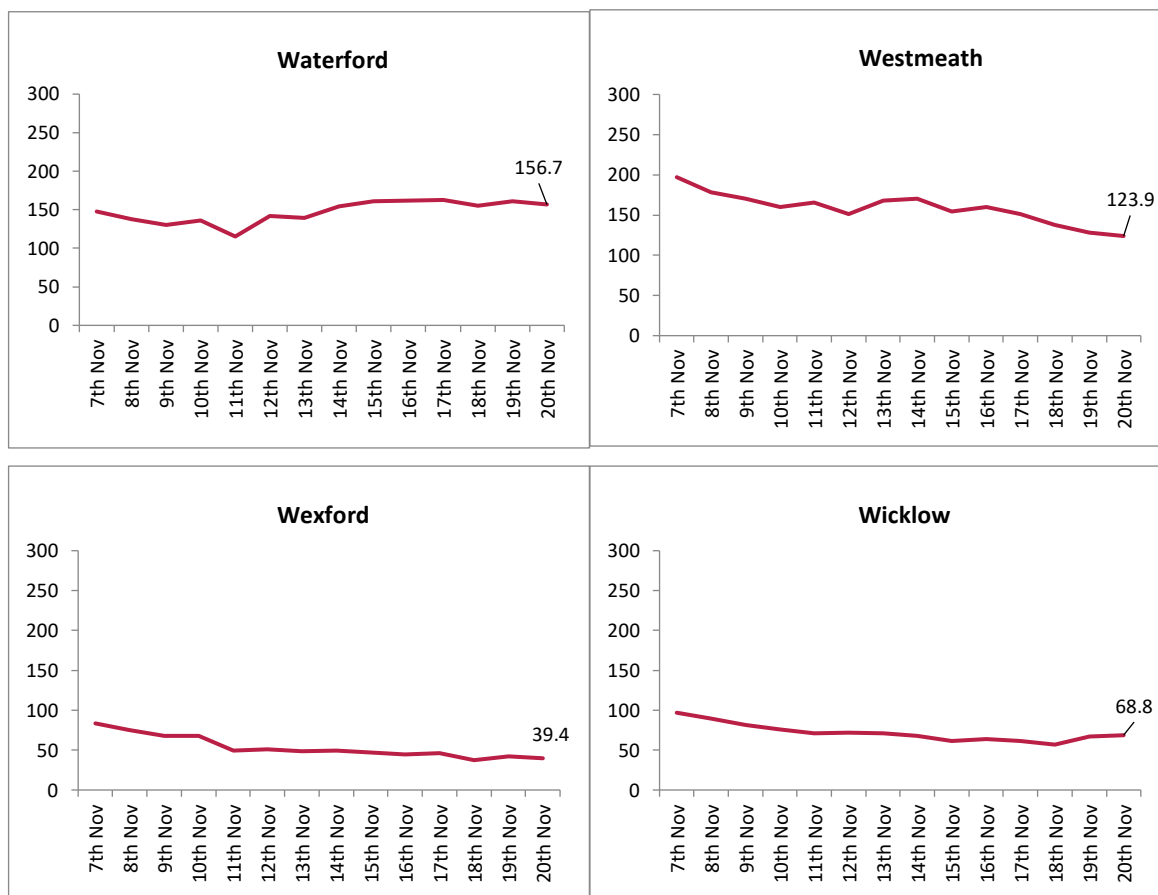


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (07/11/2020 to 20/11/2020)



Report prepared by Health Protection Surveillance Centre on 21/11/2020