



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/12/2020 up to midnight 07/01/2021

	Number	Percent
Total number of confirmed cases	51,795	
National incidence of confirmed cases per 100,000 population	1,087.7	
Number of cases hospitalised*	1,067	2.06
Number of cases admitted to ICU*	61	0.12
Number of deaths among confirmed cases	58	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	1.22	
Males	24,830	47.94
Females	26,843	51.83
M:F ratio	0.93	
Median age (years)	36	
Mean age (years)	39	
Age range (years)	0 - 103	

* 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

Note 1: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:24 on 08/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Note 2: Due to the surge in COVID-19 cases in recent days, the availability of surveillance data is limited. Consequently, HPSC is currently producing an abridged version of the 14 day report.

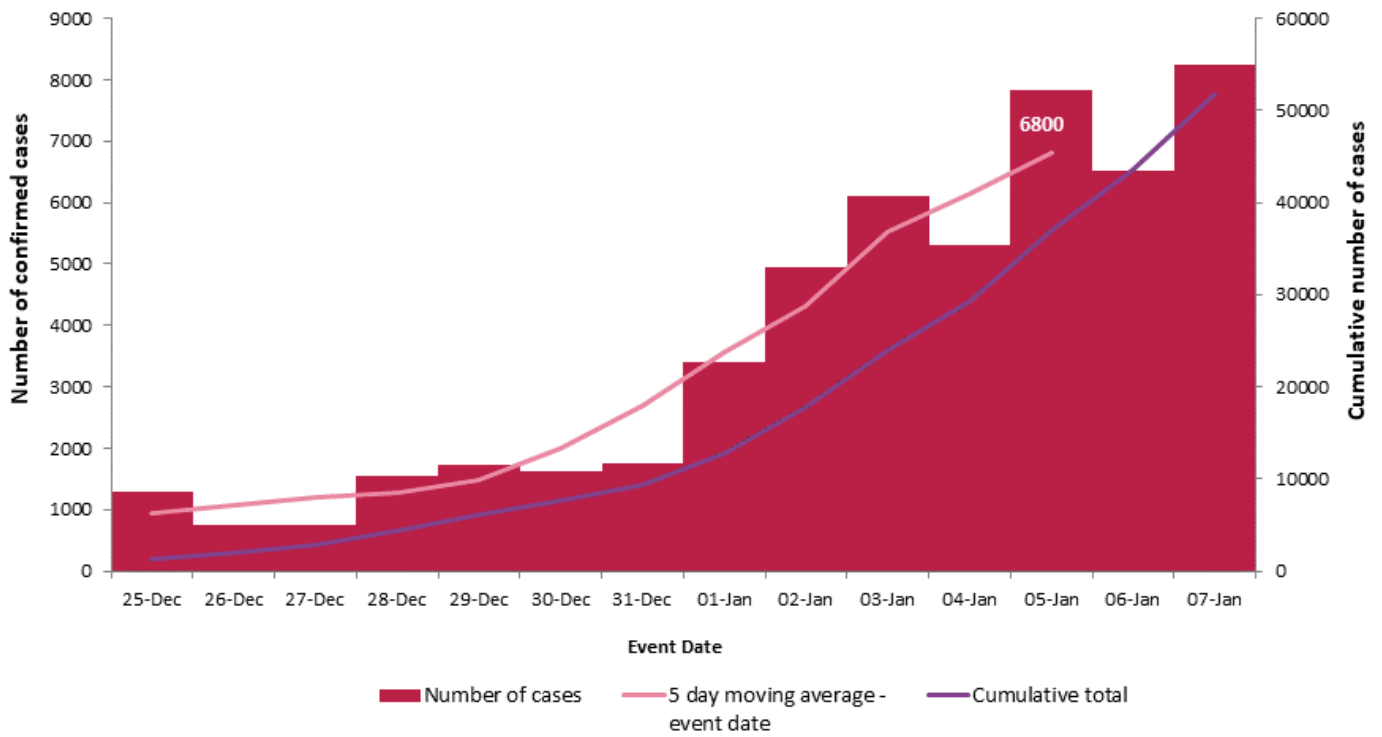


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=51,795)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/12/2020 up to midnight on 07/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		51,795	100
Sex	Male:Female ratio	0.93	
	Male	24,830	47.94
	Female	26,843	51.83
	Unknown	122	0.24
Age	Median age (years)	36	
	Mean age (years)	39	
	Age range (years)	0 - 103	
	0-4 yrs	1,122	2.17
	5-12 yrs	2,072	4
	13-18 yrs	3,124	6.03
	19-24 yrs	7,908	15.27
	25-34 yrs	10,454	20.18
	35-44 yrs	8,154	15.74
	45-54 yrs	7,601	14.68
	55-64 yrs	6,359	12.28
	65-74 yrs	2,801	5.41
	75-84 yrs	1,382	2.67
	85+ yrs	810	1.56
	Unknown	8	0.02

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 25/12/2020 to midnight 07/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	5,233	1337.4
CHO2	3322	733.2
CHO3	4937	1282.3
CHO4	7,514	1088.1
CHO5	4,227	828.3
CHO6	4409	1150.7
CHO7	7,321	1034.5
CHO8	6,475	1045.6
CHO9	8,317	1338.4
Unknown	40	
Total	51,795	1087.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 25/12/2020 to midnight 07/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1301	2119.4
Louth	2371	1839.6
Limerick	3137	1609.6
Donegal	2055	1290.9
Dublin	17361	1288.5
Cavan	981	1287.8
Cork	6150	1132.9
Clare	1332	1121.1
Sligo	700	1068.1
Mayo	1283	983.1
Meath	1889	968.5
Waterford	1113	958.0
Wexford	1417	946.4
Kerry	1366	924.8
Carlow	514	902.8
Kildare	1936	870.1
Offaly	643	824.8
Longford	326	797.6
Kilkenny	786	792.1
Laois	629	742.6
Westmeath	579	652.2
Galway	1651	639.8
Leitrim	205	639.7
Roscommon	388	601.1
Tipperary	922	577.9
Wicklow	760	533.6
Total	51,795	1087.7

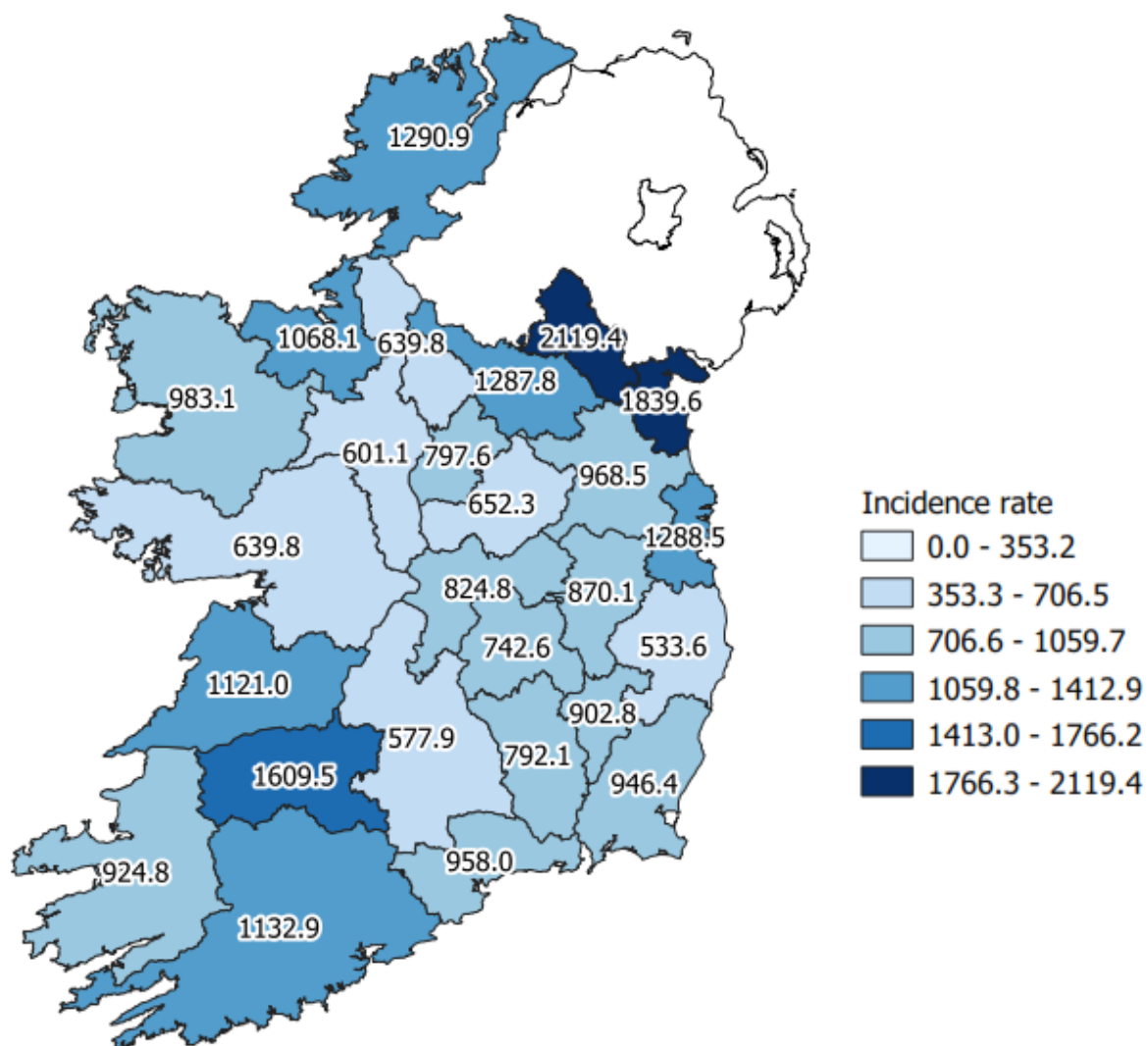


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 25/12/2020 and 07/01/2021

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 25/12/2020 and 07/01/2020

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	1050	771.6
CCA2	Dublin South East	2142	1731.6
CCA3	Dublin South City	1374	916.4
CCA4	Dublin South West	1675	1041.0
CCA5	Dublin West	1486	956.6
CCA6	Dublin North West	2551	1228.4
CCA7	Dublin North Central	2167	1401.8
CCA8	Dublin North	2255	870.1
	Unknown	7	
	Dublin	14,707	1091.5

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.

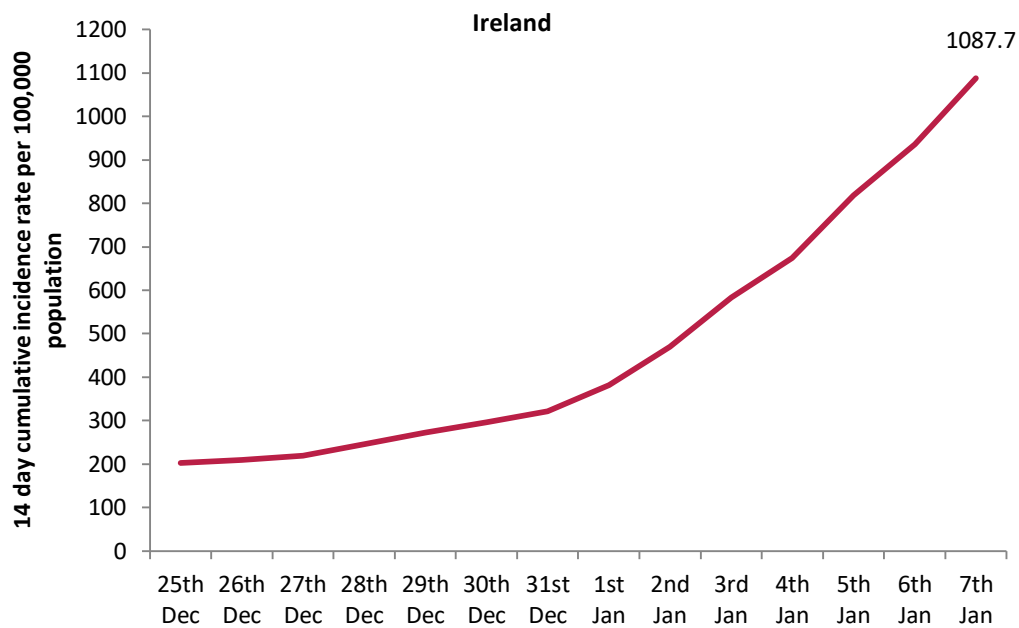


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (25/12/2020 to 07/01/2021)

14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 5 of this report

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 25/12/2020 to midnight 07/01/2021 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	1122	15	1.4	1	1.6
5-12 yrs	2072	5	0.5	0	0.0
13-18 yrs	3124	23	2.2	1	1.6
19-24 yrs	7908	41	3.8	0	0.0
25-34 yrs	10454	99	9.3	4	6.6
35-44 yrs	8154	89	8.3	0	0.0
45-54 yrs	7601	108	10.1	7	11.5
55-64 yrs	6359	126	11.8	14	23.0
65-74 yrs	2801	192	18.0	22	36.1
75-84 yrs	1382	210	19.7	11	18.0
85+ yrs	810	158	14.8	1	1.6
Unknown	8	1	0.1	0	0
Total	51,795	1067	100	61	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 09:24 on 08/01/2021. 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.

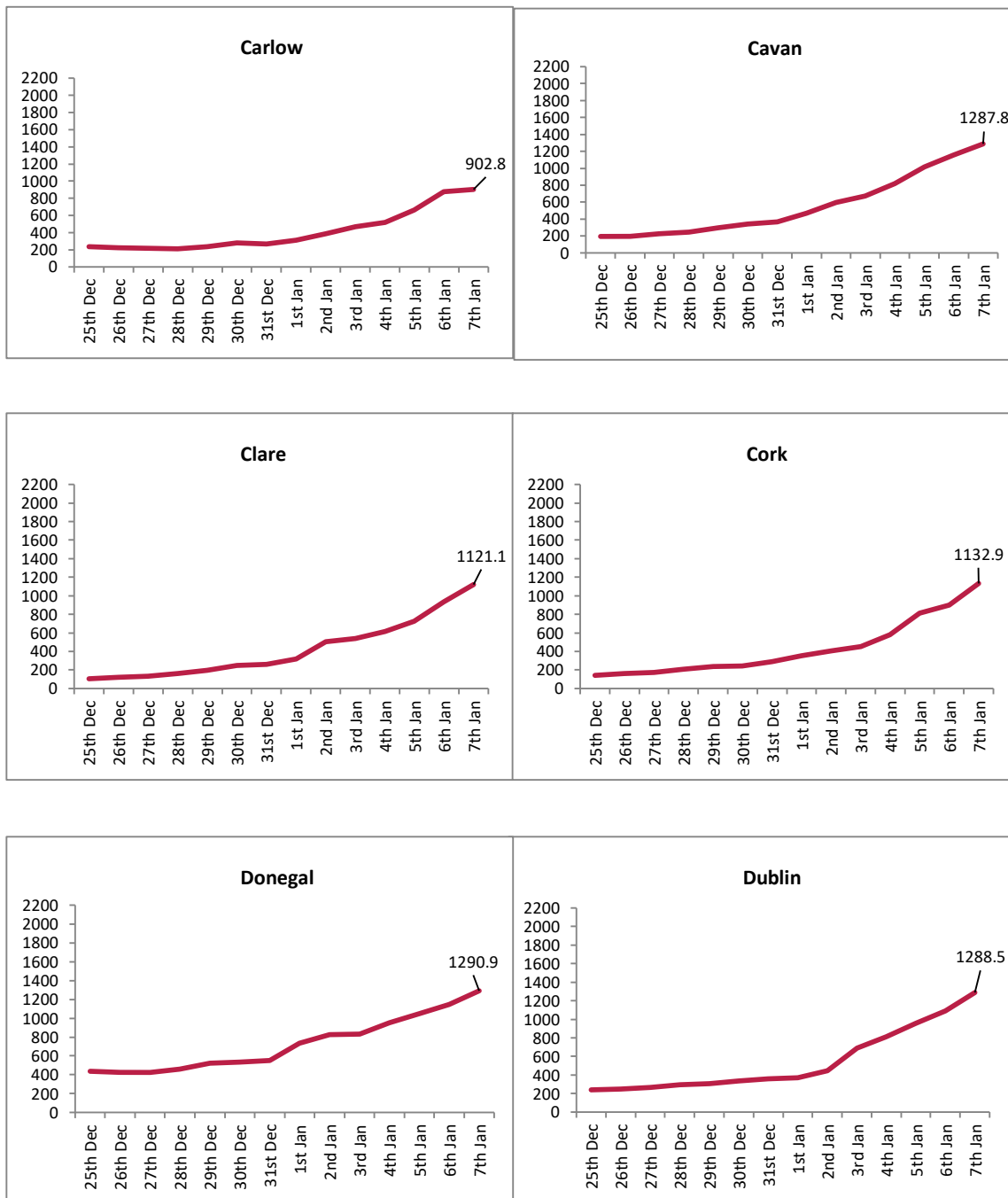
5. Outbreak location

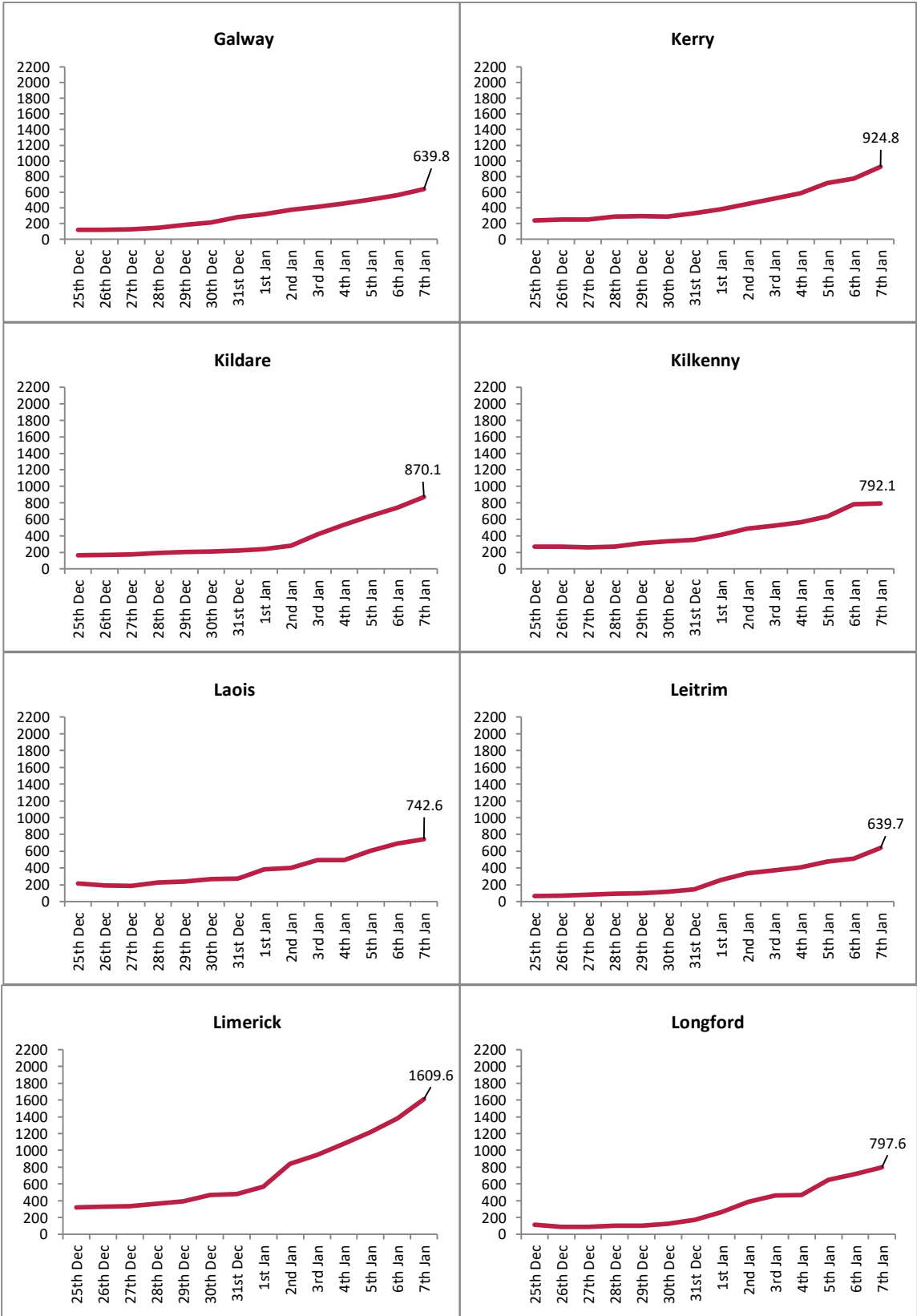
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

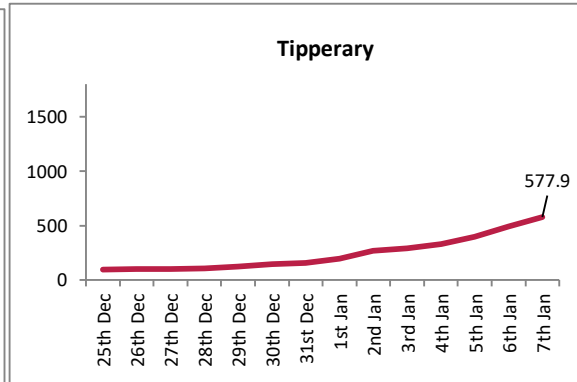
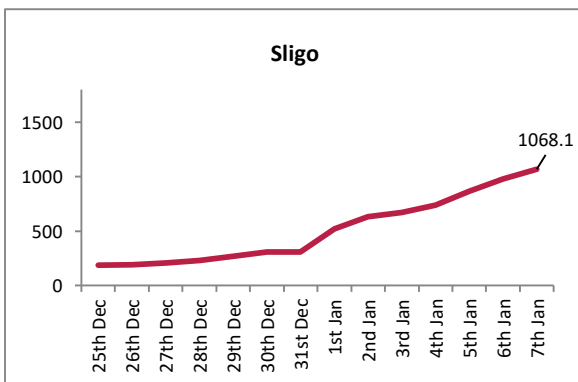
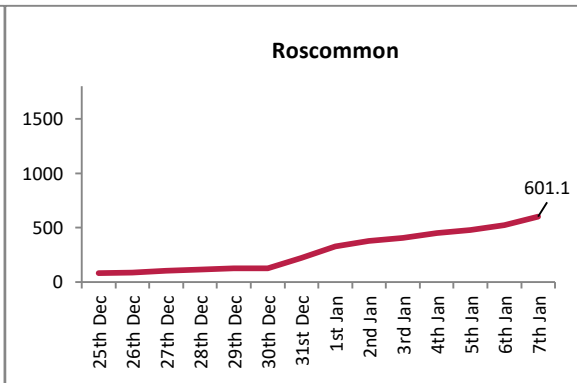
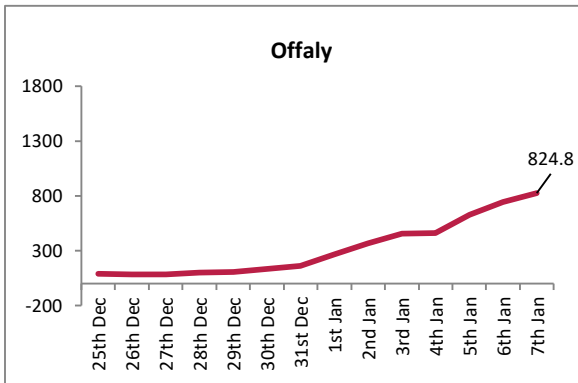
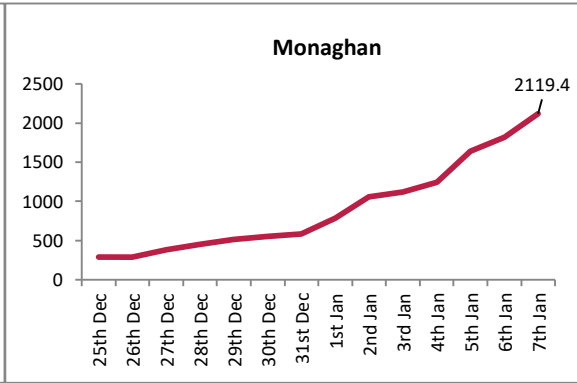
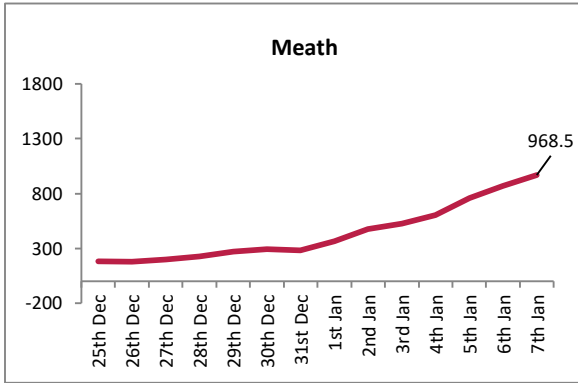
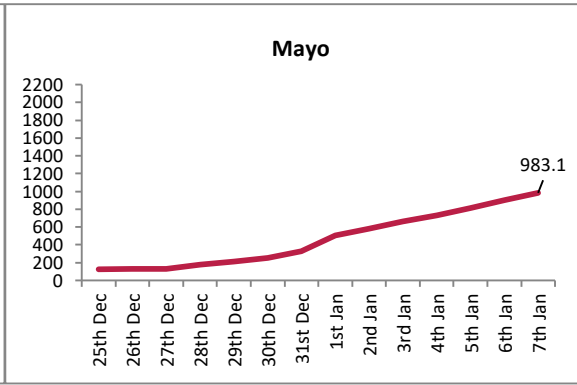
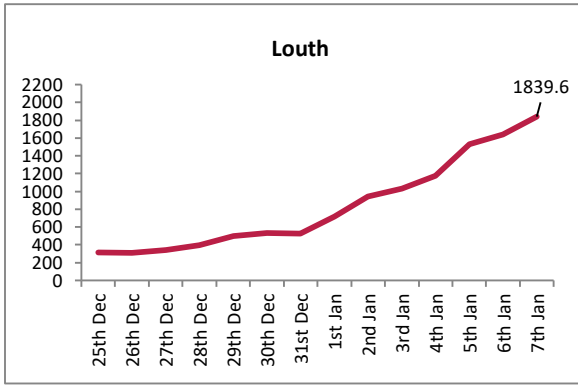
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (25/12/2020 to 07/01/2021)







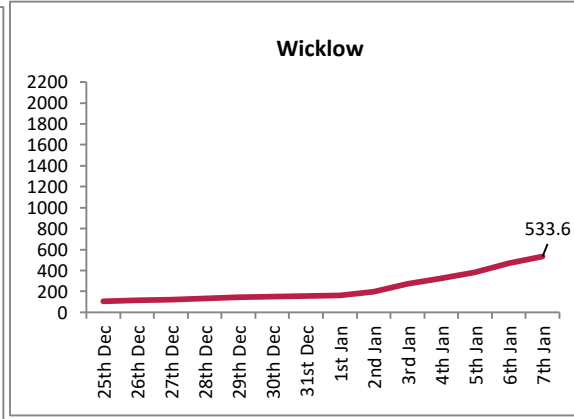
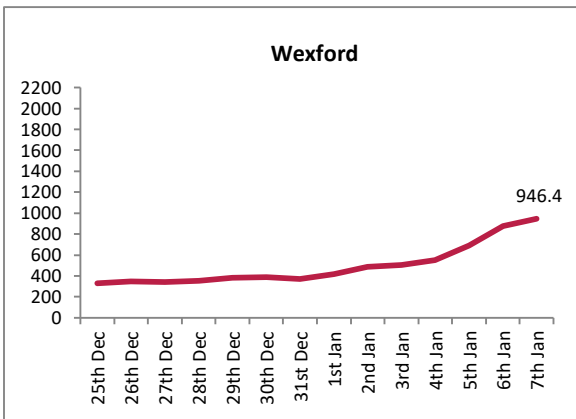
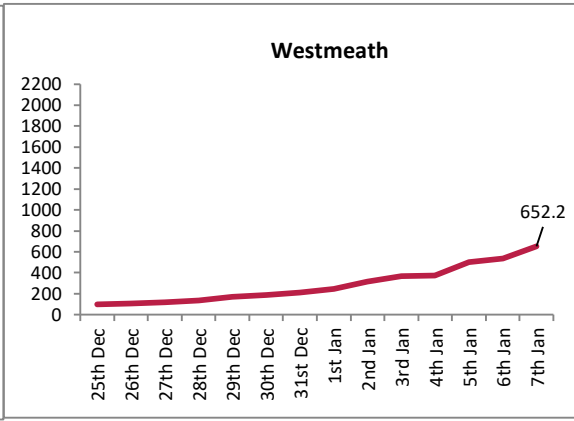
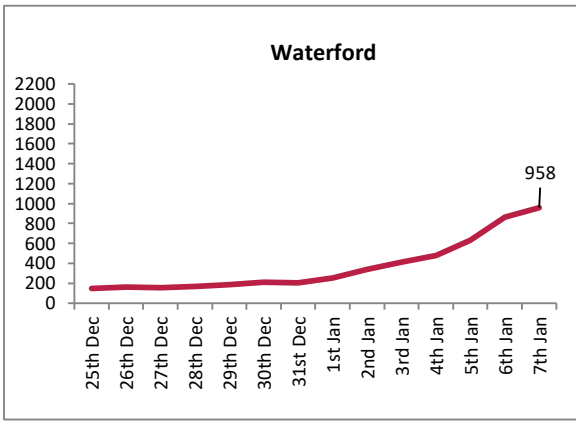


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (25/12/2020 to 07/01/2021)

