



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 24/12/2020 up to midnight 06/01/2021

	Number	Percent
Total number of confirmed cases	44,590	
National incidence of confirmed cases per 100,000 population	936.4	
Number of cases hospitalised*	901	2.02
Number of cases admitted to ICU*	34	0.08
Number of deaths among confirmed cases	51	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	1.07	
Males	21,508	48.24
Females	22,985	51.55
M:F ratio	0.94	
Median age (years)	36	
Mean age (years)	38	
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: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:24 on 07/01/2021 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.

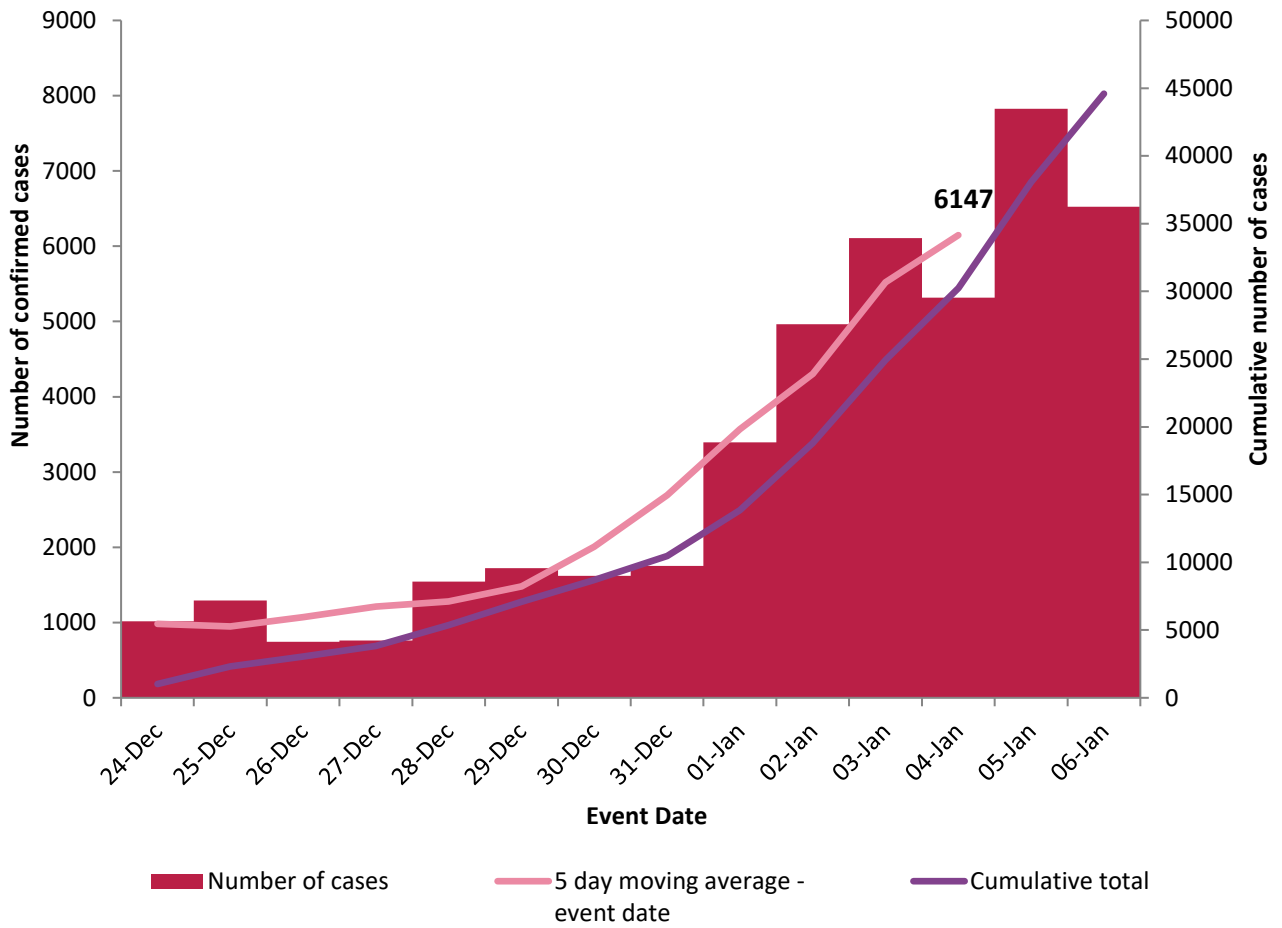


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=44,590)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 24/12/2020 up to midnight on 06/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		44,590	100
Sex	Male:Female ratio	0.94	
	Male	21,508	48.24
	Female	22,985	51.55
	Unknown	97	0.22
Age	Median age (years)	36	
	Mean age (years)	38	
	Age range (years)	0 - 103	
	0-4 yrs	1,021	2.29
	5-12 yrs	1,856	4.16
	13-18 yrs	2,713	6.08
	19-24 yrs	6,880	15.43
	25-34 yrs	9,034	20.26
	35-44 yrs	6,954	15.6
	45-54 yrs	6,443	14.45
	55-64 yrs	5,431	12.18
	65-74 yrs	2,379	5.34
	75-84 yrs	1,174	2.63
	85+ yrs	699	1.57
	Unknown	6	0.01

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 24/12/2020 to midnight 06/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	4,622	1181.2
CHO2	2963	653.9
CHO3	4196	1089.9
CHO4	6,058	877.2
CHO5	3,931	770.3
CHO6	3846	1003.7
CHO7	6,205	876.8
CHO8	5,766	931.1
CHO9	6,973	1122.1
Unknown	30	
Total	44,590	936.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 24/12/2020 to midnight 06/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1117	1819.6
Louth	2110	1637.1
Limerick	2727	1399.2
Cavan	880	1155.2
Donegal	1823	1145.2
Dublin	14707	1091.5
Sligo	643	981.2
Waterford	1054	907.2
Cork	4913	905.0
Mayo	1175	900.3
Clare	1069	899.7
Meath	1692	867.5
Wexford	1289	860.9
Carlow	484	850.1
Kilkenny	780	786.0
Kerry	1146	775.9
Kildare	1654	743.4
Offaly	578	741.4
Longford	293	716.9
Laois	584	689.5
Galway	1452	562.7
Westmeath	474	534.0
Roscommon	336	520.6
Leitrim	162	505.6
Tipperary	777	487.0
Wicklow	671	471.1
Total	44,590	936.4

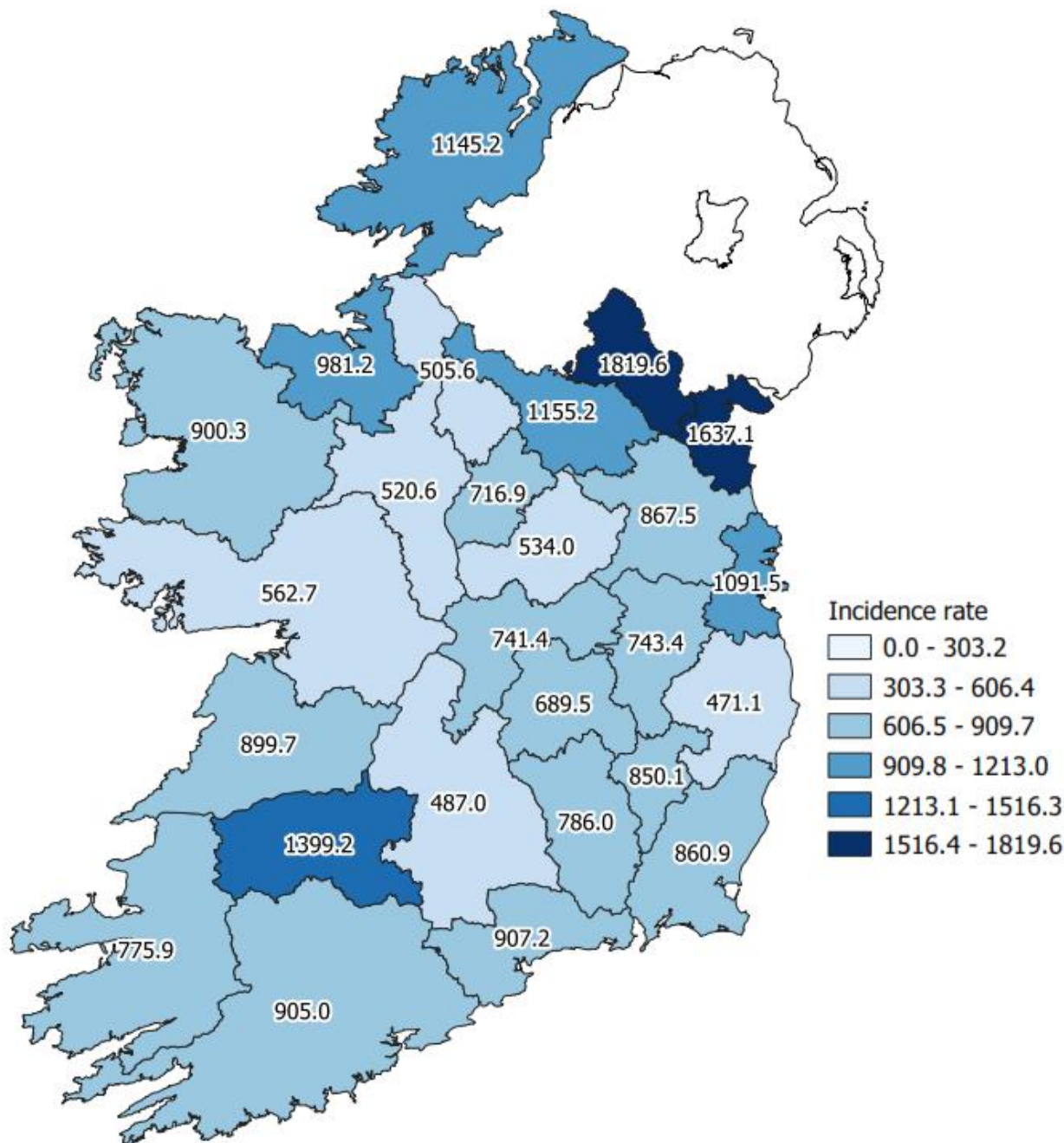


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 24/12/2020 and 06/01/2021

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 24/12/2020 and 06/01/2021

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.

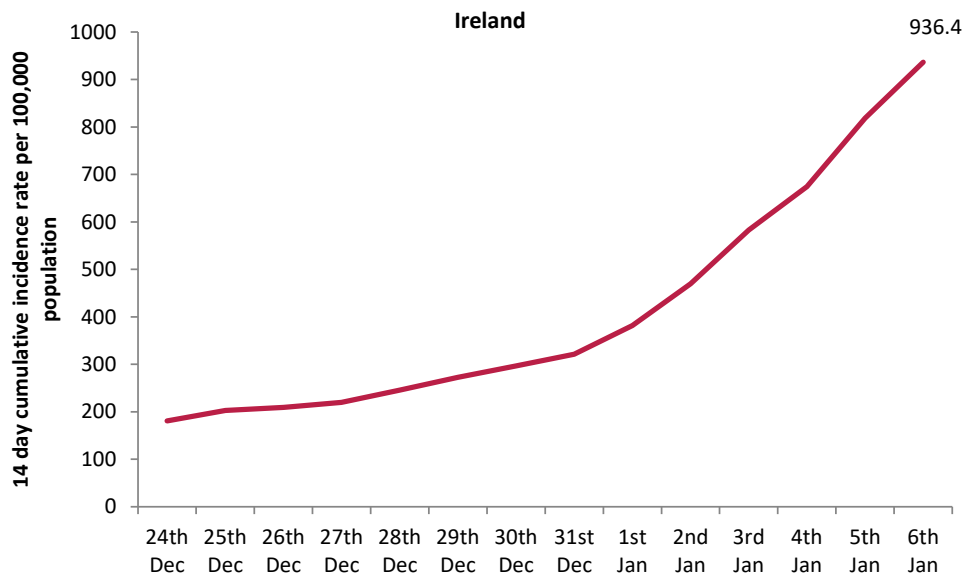


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (24/12/2020 to 06/01/2021)

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: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 24/12/2020 to midnight 06/01/2021 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	1021	11	1.22	0	0
5-12 yrs	1856	7	0.78	0	0
13-18 yrs	2713	21	2.33	1	2.94
19-24 yrs	6880	40	4.44	0	0
25-34 yrs	9034	87	9.66	3	8.82
35-44 yrs	6954	76	8.44	0	0
45-54 yrs	6443	98	10.88	3	8.82
55-64 yrs	5431	95	10.54	9	26.47
65-74 yrs	2379	155	17.20	13	38.24
75-84 yrs	1174	179	19.87	4	11.76
85+ yrs	699	131	14.54	1	2.94
Unknown	6	1	0.11	0	0
Total	44,590	901	100	34	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 07/01/2021. 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.

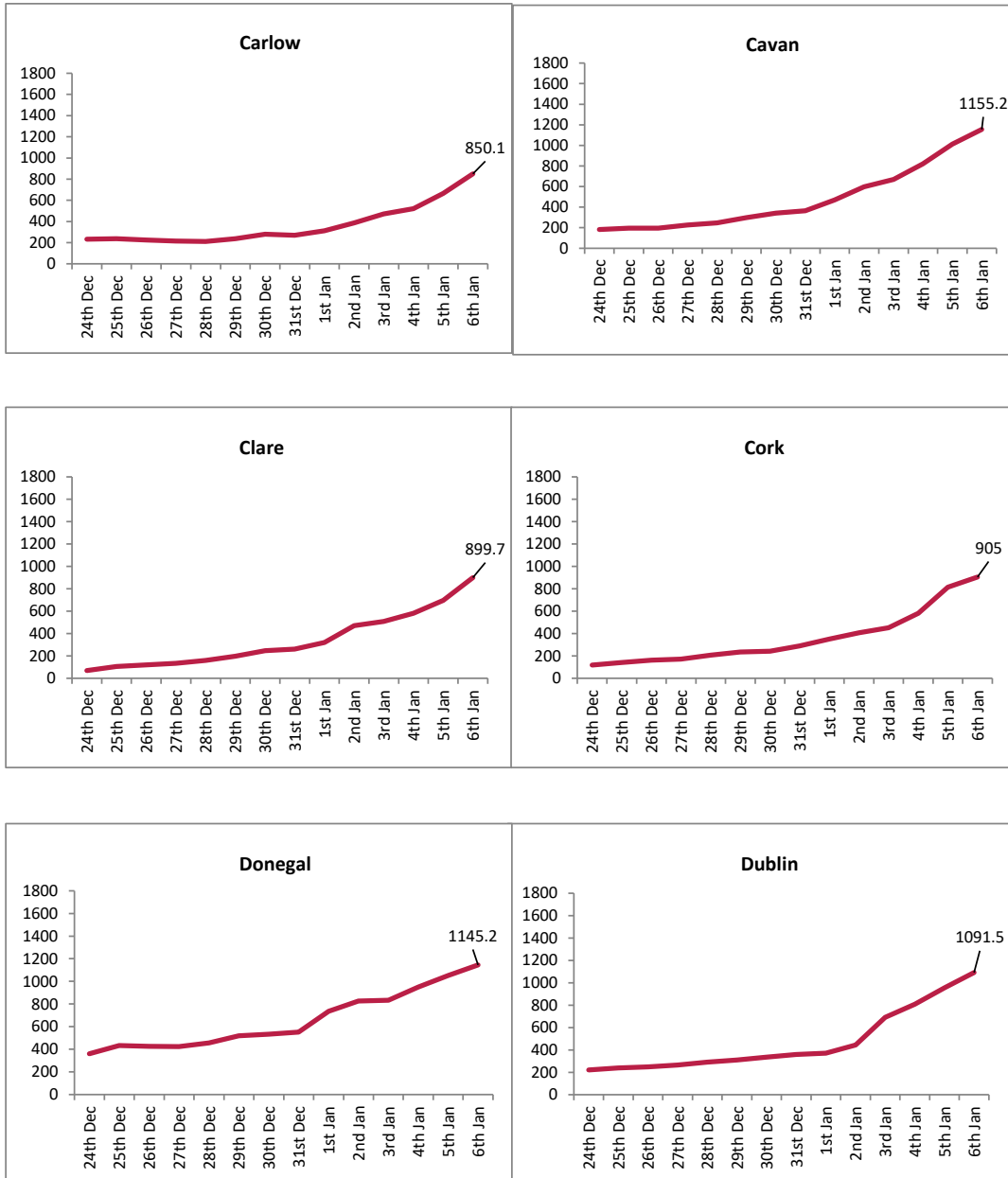
5. Outbreak location

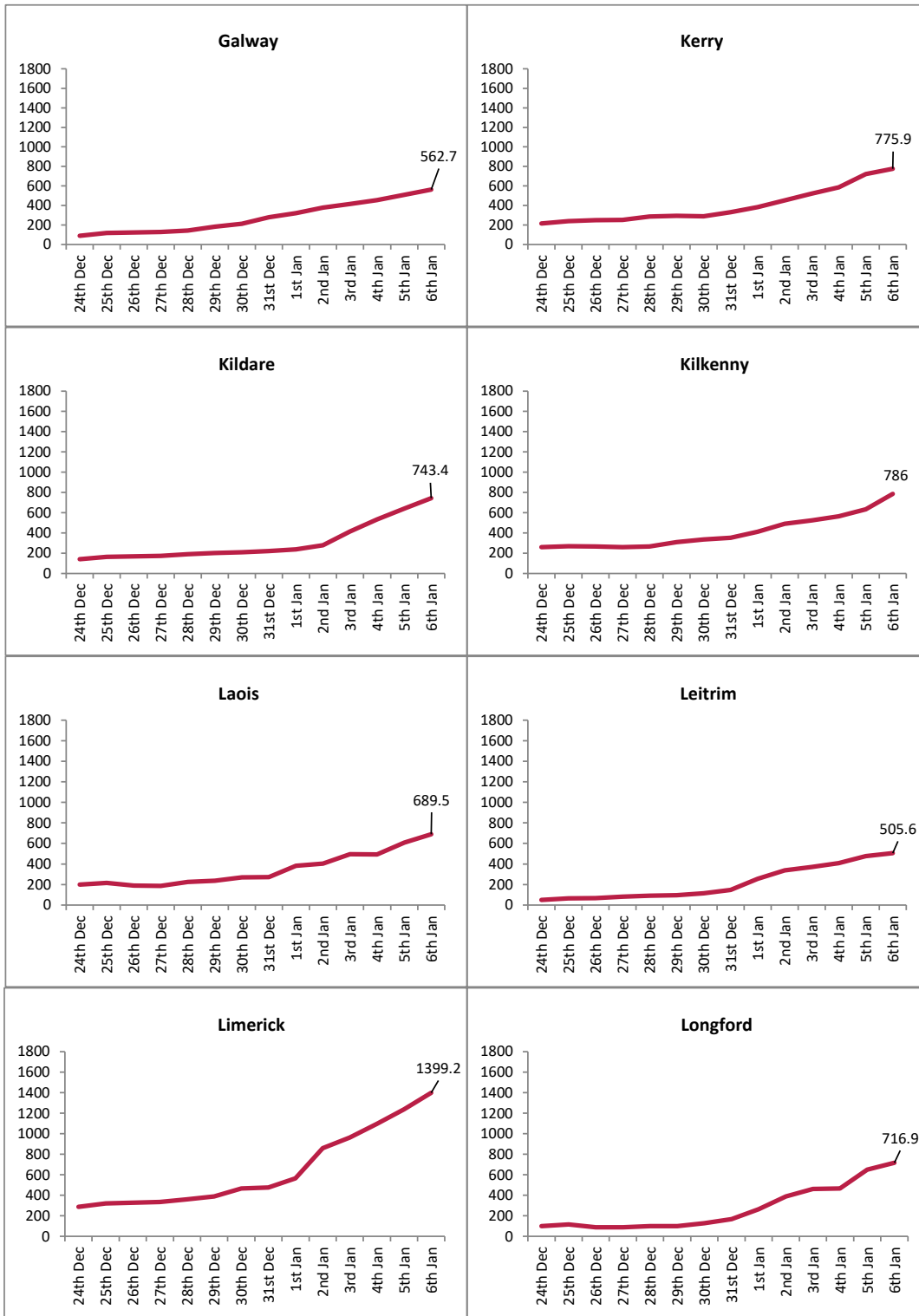
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

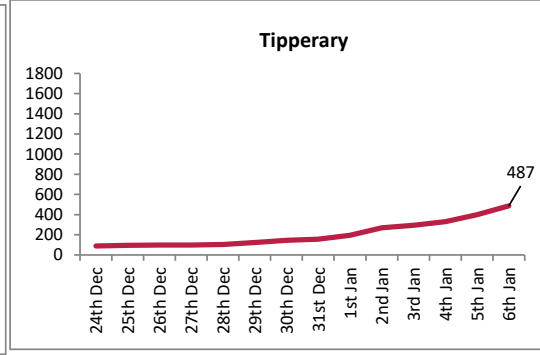
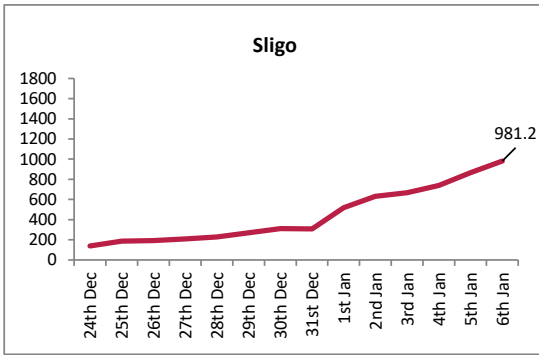
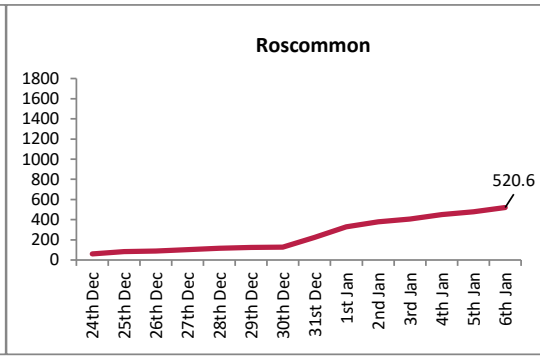
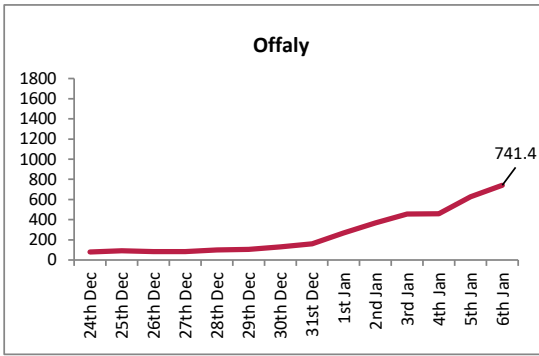
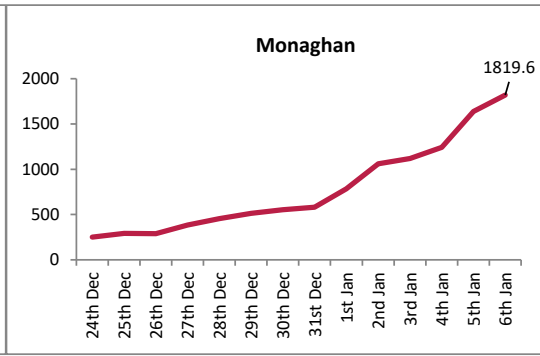
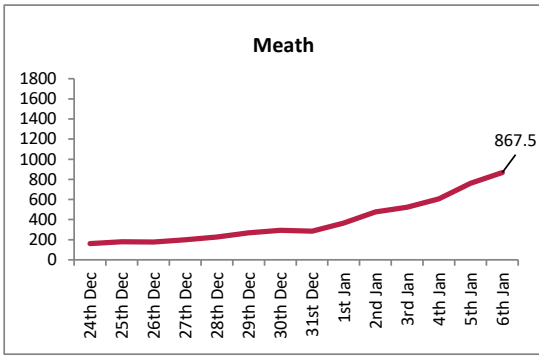
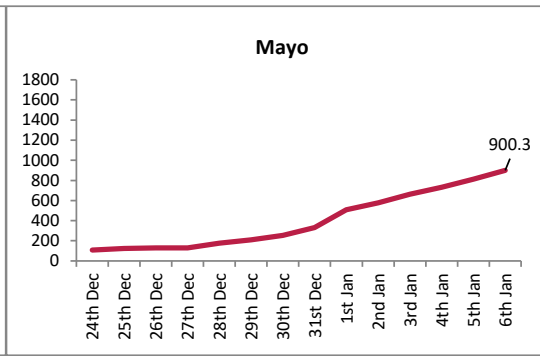
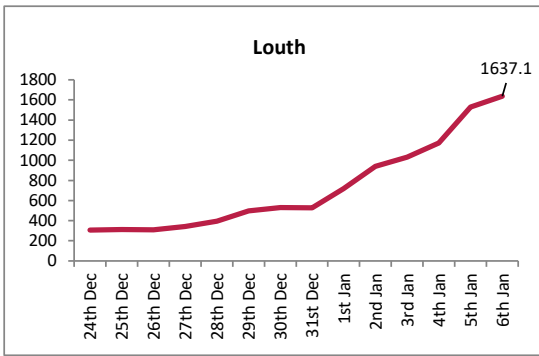
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (24/12/2020 to 06/01/2021)







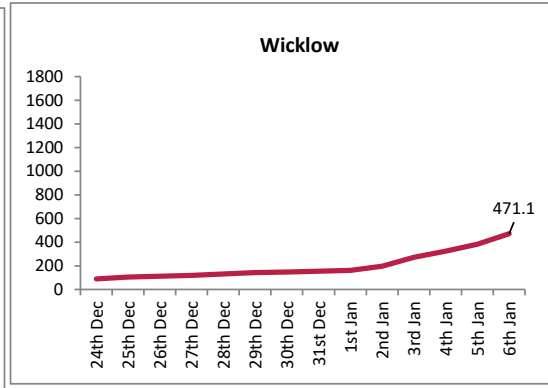
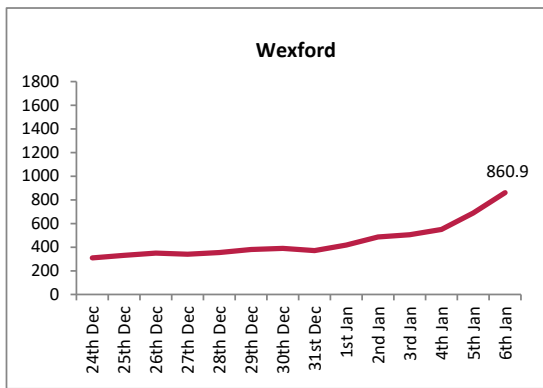
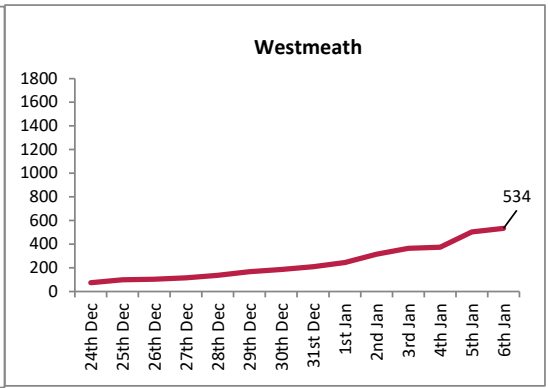
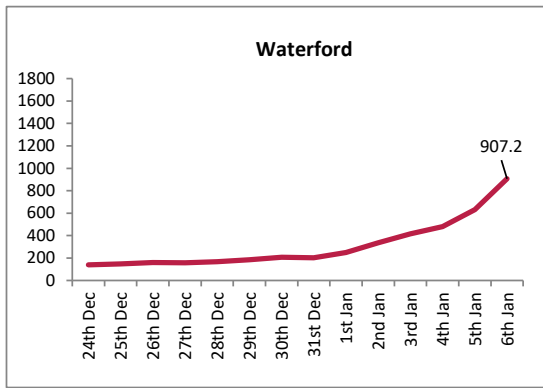


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (24/12/2020 to 06/01/2021)

