



# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/01/2021

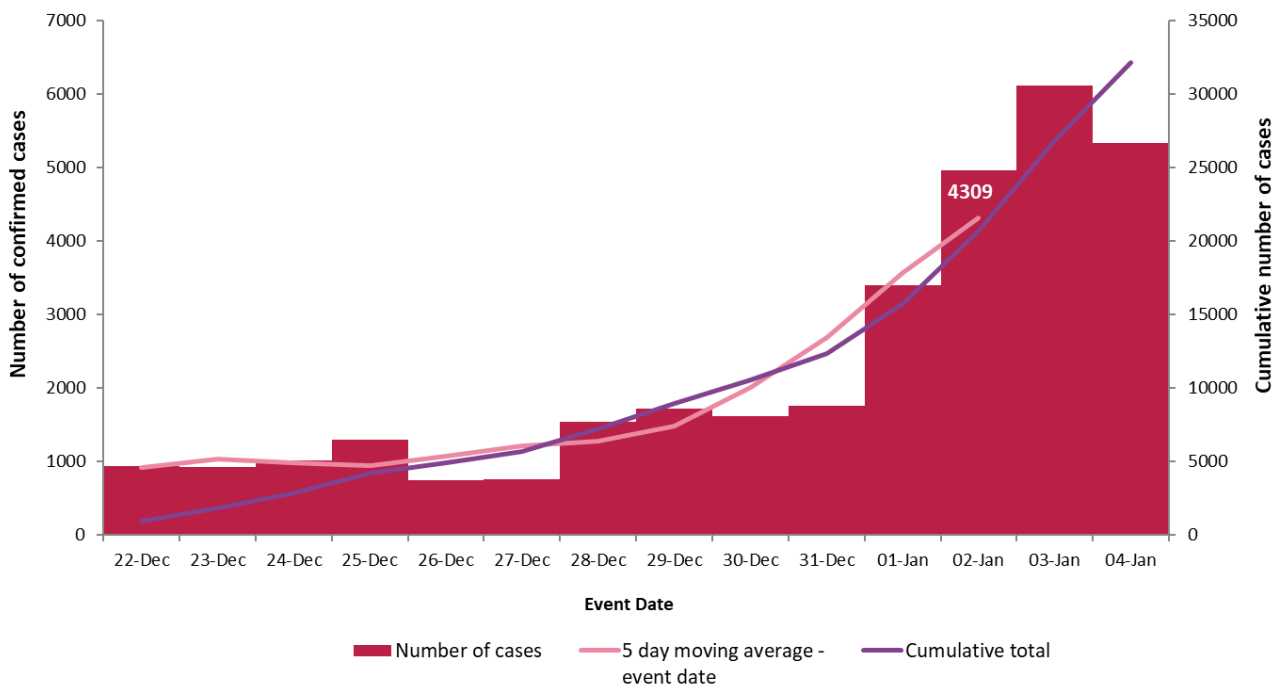
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/12/2020 up to midnight 04/01/2021

	Number	Percent
Total number of confirmed cases	32,112	
National incidence of confirmed cases per 100,000 population	674.36	
Number of cases hospitalised*	724	2.25
Number of cases admitted to ICU*	27	0.08
Number of deaths among confirmed cases	37	0.12
Case fatality ratio (CFR, %)	0.12	
National incidence of confirmed deaths per 100,000 population	0.78	
Males	15,560	48.46
Females	16,483	51.33
M:F ratio	0.94	
Median age (years)	35	
Mean age (years)	38	
Age range (years)	0 - 102	

\* 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 09:18 on 05/01/2021 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=32,112)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/12/2020 up to midnight on 04/01/2021**

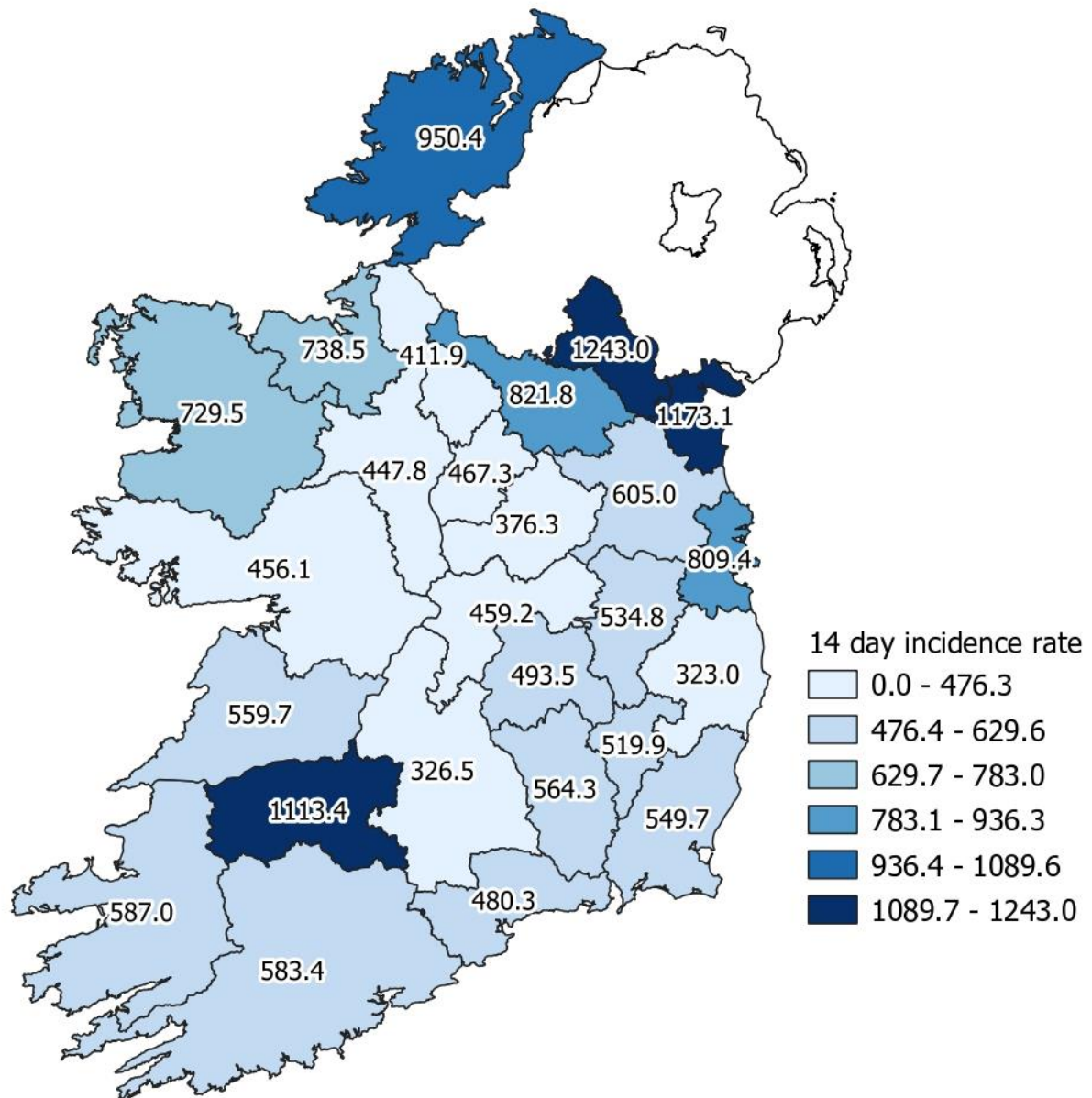
Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>32,112</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.94	
	Male	15,560	48.46
	Female	16,483	51.33
	Unknown	69	0.21
<b>Age</b>	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 102	
	0-4 yrs	806	2.51
	5-12 yrs	1,470	4.58
	13-18 yrs	1,965	6.12
	19-24 yrs	5,083	15.83
	25-34 yrs	6,458	20.11
	35-44 yrs	4,898	15.25
	45-54 yrs	4,550	14.17
	55-64 yrs	3,823	11.91
	65-74 yrs	1,727	5.38
	75-84 yrs	846	2.63
	85+ yrs	482	1.5
	Unknown	4	0.01

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 22/12/2020 to midnight 04/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	3,518	899.1
CHO2	2418	533.6
CHO3	3140	815.6
CHO4	4,033	584.0
CHO5	2,411	472.4
CHO6	2919	761.8
CHO7	4,367	617.1
CHO8	4,021	649.3
CHO9	5,267	847.6
Unknown	18	
<b>Total</b>	<b>32,112</b>	<b>674.4</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/12/2020 to midnight 04/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	763	1243.0
Louth	1512	1173.1
Limerick	2170	1113.4
Donegal	1513	950.4
Cavan	626	821.8
Dublin	10906	809.4
Sligo	484	738.5
Mayo	952	729.5
Meath	1180	605.0
Kerry	867	587.0
Cork	3167	583.4
Kilkenny	560	564.3
Clare	665	559.7
Wexford	823	549.7
Kildare	1190	534.8
Carlow	296	519.9
Laois	418	493.5
Waterford	558	480.3
Longford	191	467.3
Offaly	358	459.2
Galway	1177	456.1
Roscommon	289	447.8
Leitrim	132	411.9
Westmeath	334	376.3
Tipperary	521	326.5
Wicklow	460	323.0
<b>Total</b>	<b>32,112</b>	<b>674.4</b>



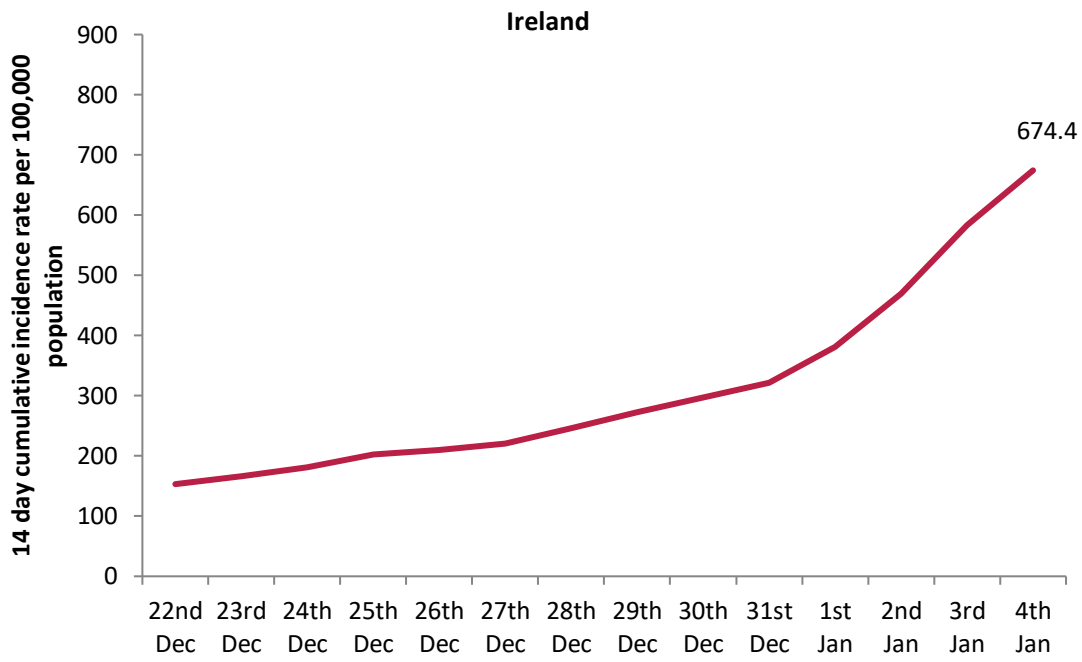
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/12/2020 and 04/01/2021**

*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 22/12/2020 and 04/01/2021**

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	784	576.2
CCA2	Dublin South East	1689	1365.4
CCA3	Dublin South City	955	636.9
CCA4	Dublin South West	1168	725.9
CCA5	Dublin West	1041	670.1
CCA6	Dublin North West	1926	927.4
CCA7	Dublin North Central	1652	1068.7
CCA8	Dublin North	1689	651.7
	Unknown	2	
	<b>Dublin</b>	<b>10,906</b>	<b>809.4</b>

**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> 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 (22/12/2020 to 04/01/2021)**

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 22/12/2020 to midnight 04/01/2021 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	806	8	1.10	0	0
5-12 yrs	1470	7	0.97	0	0
13-18 yrs	1965	18	2.49	1	3.70
19-24 yrs	5083	42	5.80	0	0
25-34 yrs	6458	79	10.91	3	11.11
35-44 yrs	4898	66	9.12	0	0
45-54 yrs	4550	82	11.33	1	3.70
55-64 yrs	3823	75	10.36	6	22.22
65-74 yrs	1727	110	15.19	10	37.04
75-84 yrs	846	139	19.20	6	22.22
85+ yrs	482	98	13.54	0	0
Unknown	4			0	0

\* 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 09:18 on 05/01/2021. 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  $\geq 85$  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.

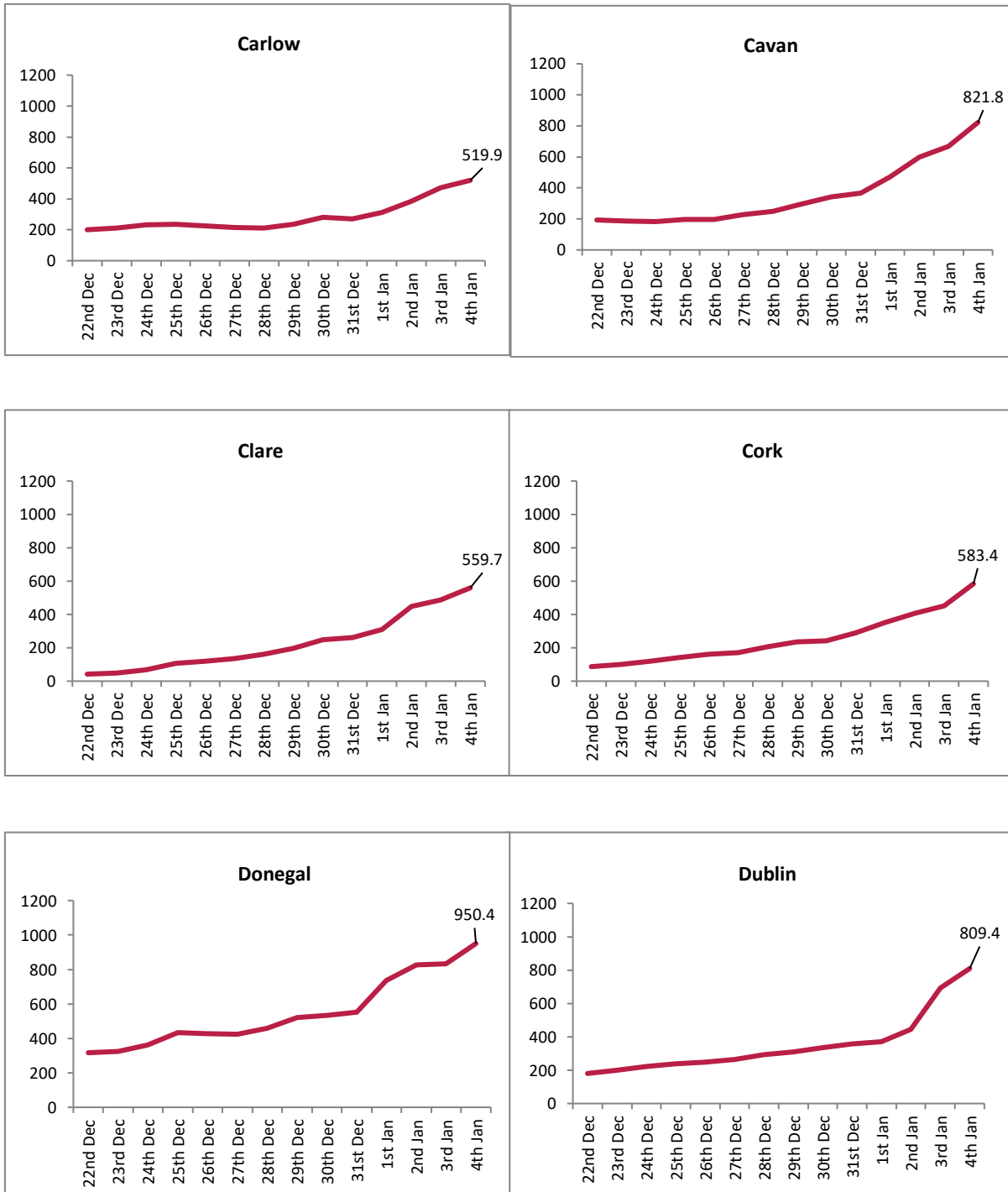
### 5. Outbreak location

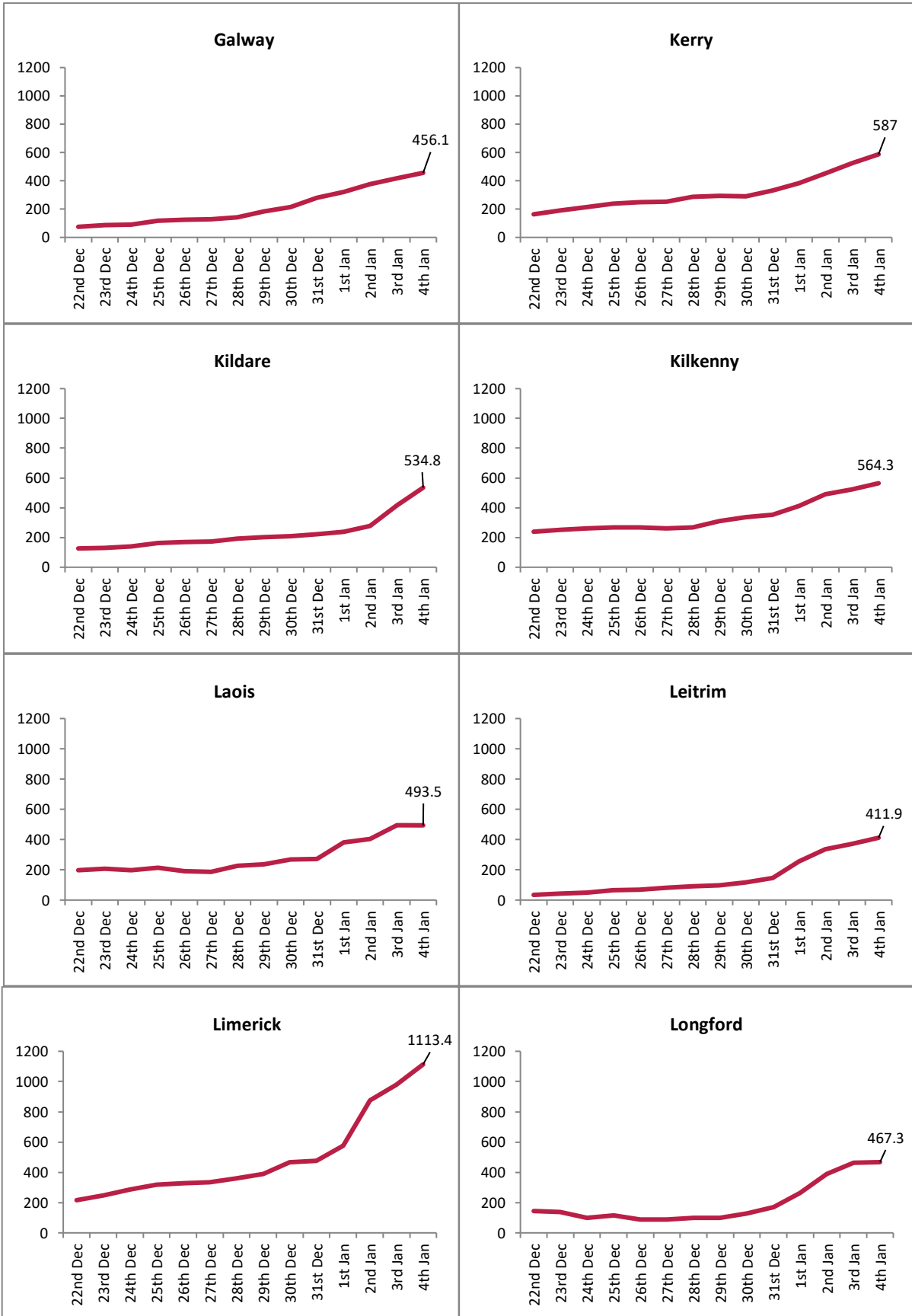
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

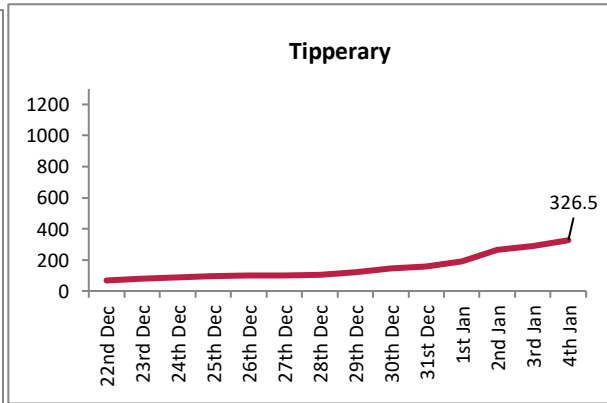
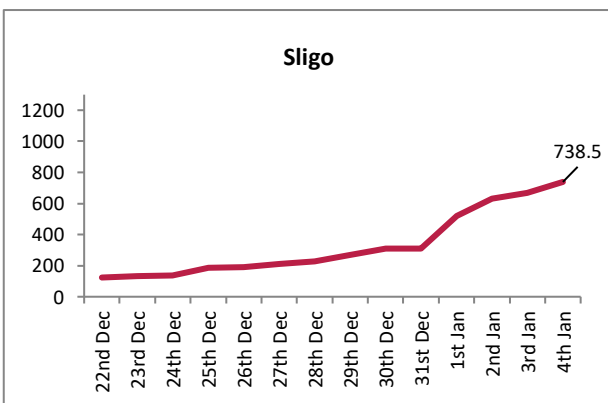
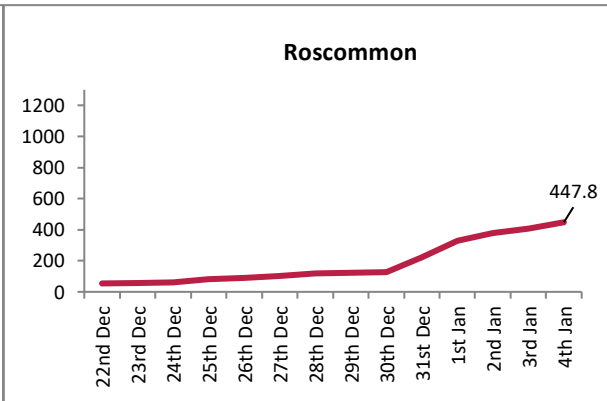
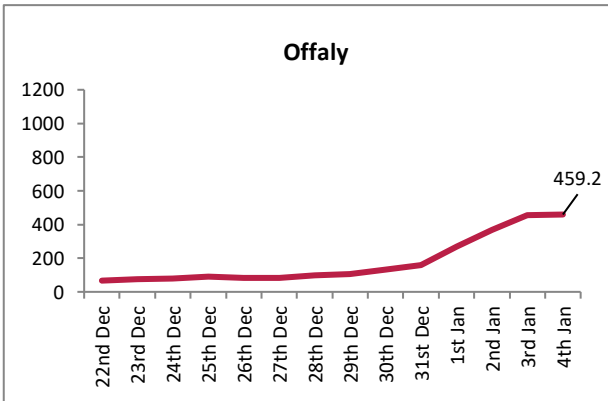
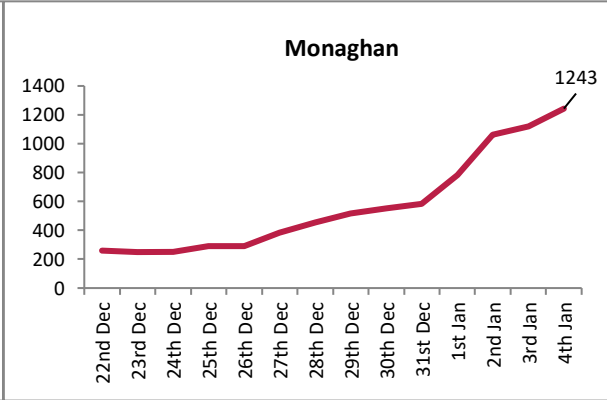
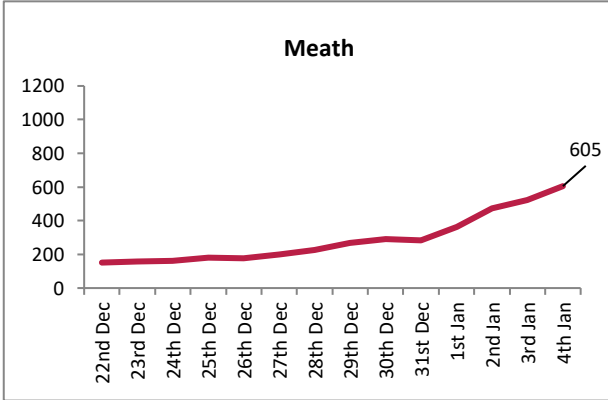
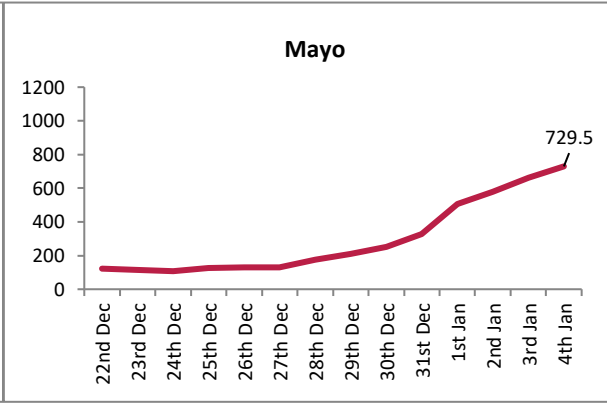
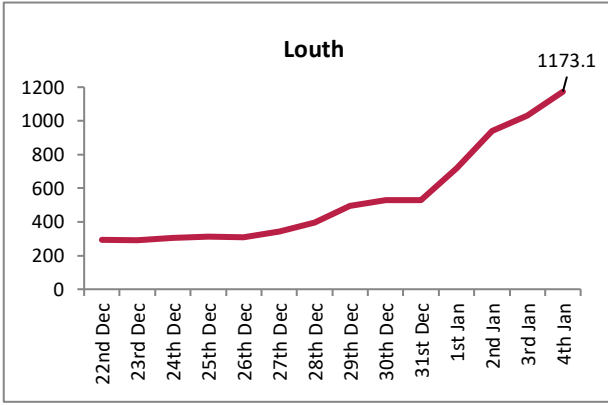
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

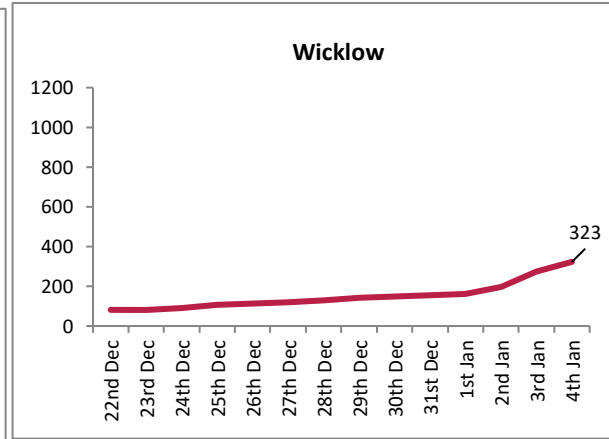
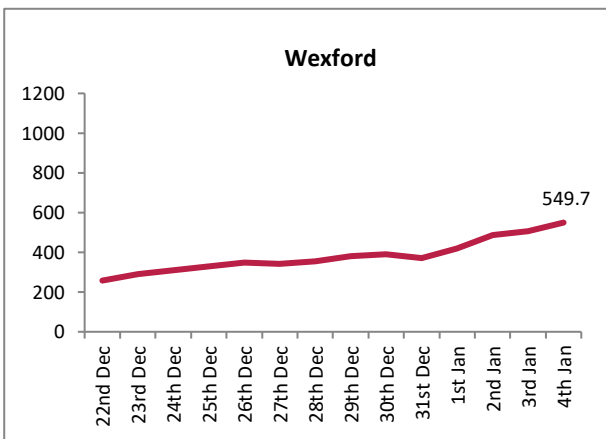
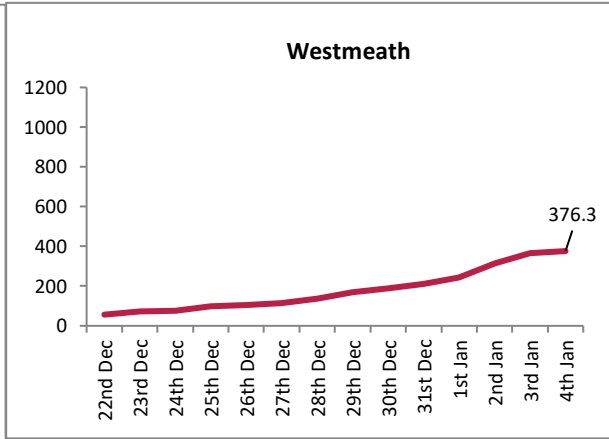
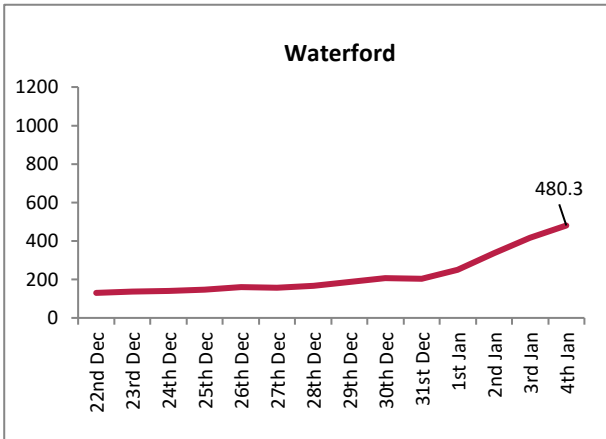
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (22/12/2020 to 04/01/2021)









**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (22/12/2020 to 04/01/2021)**

