



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

Report prepared by HPSC on 03/01/2021

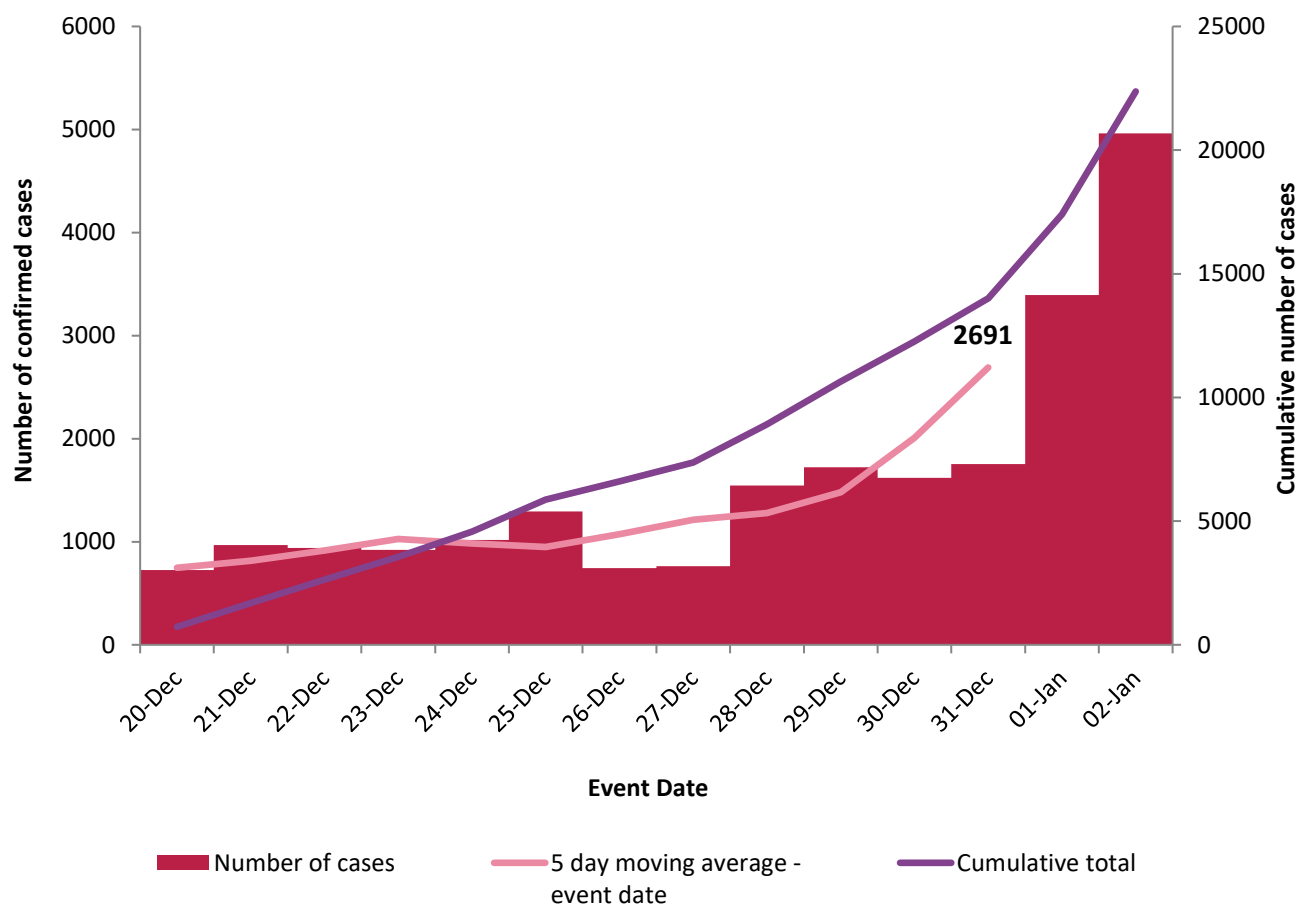
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 20/12/2020 up to midnight 02/01/2021

	Number	Percent
Total number of confirmed cases	22,370	
National incidence of confirmed cases per 100,000 population	469.77	
Number of cases hospitalised*	572	2.56
Number of cases admitted to ICU*	10	0.04
Number of deaths among confirmed cases	36	0.16
Case fatality ratio (CFR, %)	0.16	
National incidence of confirmed deaths per 100,000 population	0.76	
Number of cases** associated with clusters	1,083	4.84
Number of imported cases	15	0.07
Number of cases in healthcare workers	515	2.3
Males	10,920	48.82
Females	11,377	50.86
M:F ratio	0.96	
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

\*\*Cases may be associated with outbreaks notified outside the timeframe of this report  
20/12/2020 - 02/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:38 on 03/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.



**Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=22,370)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 20/12/2020 up to midnight on 02/01/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>22,370</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.96	
	Male	10,920	48.82
	Female	11,377	50.86
	Unknown	73	0.33
<b>Age</b>	Median age (years)	35	
	Mean age (years)	38	
	Age range (years)	0 - 102	
	0-4 yrs	631	2.82
	5-12 yrs	1,101	4.92
	13-18 yrs	1,343	6
	19-24 yrs	3,628	16.22
	25-34 yrs	4,412	19.72
	35-44 yrs	3,412	15.25
	45-54 yrs	3,147	14.07
	55-64 yrs	2,518	11.26
	65-74 yrs	1,203	5.38
	75-84 yrs	598	2.67
	85+ yrs	374	1.67
	Unknown	3	0.01
<b>Underlying clinical conditions</b>	Yes	1,185	5.3
	No	3,600	16.09
	Unknown	17,585	78.61
<b>Symptom status at time of test*</b>	Yes	3,542	15.83
	No	1,139	5.09
	Unknown	17,689	79.07

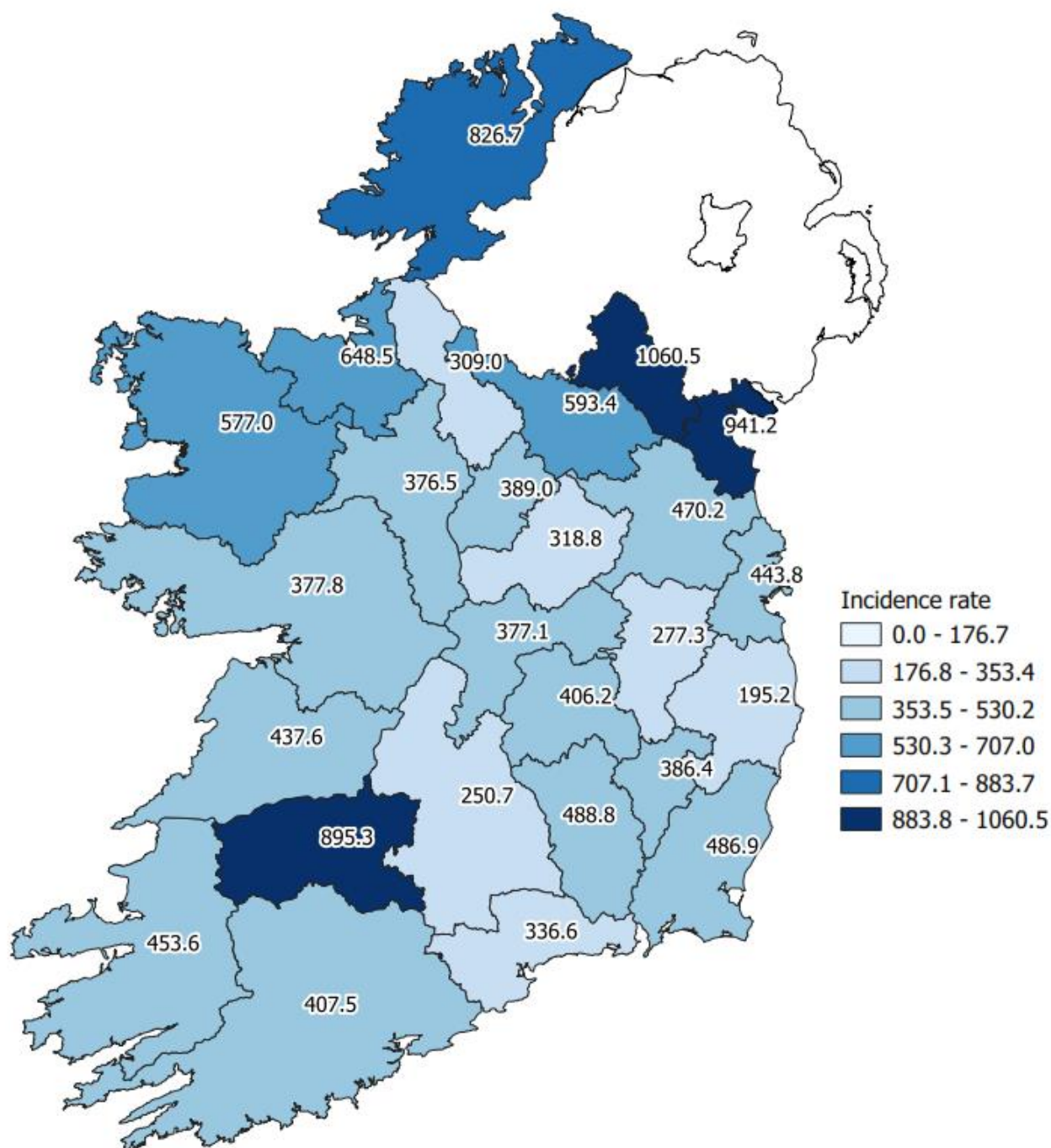
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 20/12/2020 to midnight 02/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,941	751.6
CHO2	1971	435.0
CHO3	2511	652.2
CHO4	2,882	417.3
CHO5	1,956	383.3
CHO6	1679	438.2
CHO7	2,254	318.5
CHO8	3,230	521.6
CHO9	2,934	472.2
Unknown	12	
<b>Total</b>	<b>22,370</b>	<b>469.8</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 20/12/2020 to midnight 02/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	651	1060.5
Louth	1213	941.2
Limerick	1745	895.3
Donegal	1316	826.7
Sligo	425	648.5
Cavan	452	593.4
Mayo	753	577.0
Kilkenny	485	488.8
Wexford	729	486.9
Meath	917	470.2
Kerry	670	453.6
Dublin	5979	443.8
Clare	520	437.6
Cork	2212	407.5
Laois	344	406.2
Longford	159	389.0
Carlow	220	386.4
Galway	975	377.8
Offaly	294	377.1
Roscommon	243	376.5
Waterford	391	336.6
Westmeath	283	318.8
Leitrim	99	309.0
Kildare	617	277.3
Tipperary	400	250.7
Wicklow	278	195.2
<b>Total</b>	<b>22,370</b>	<b>469.8</b>



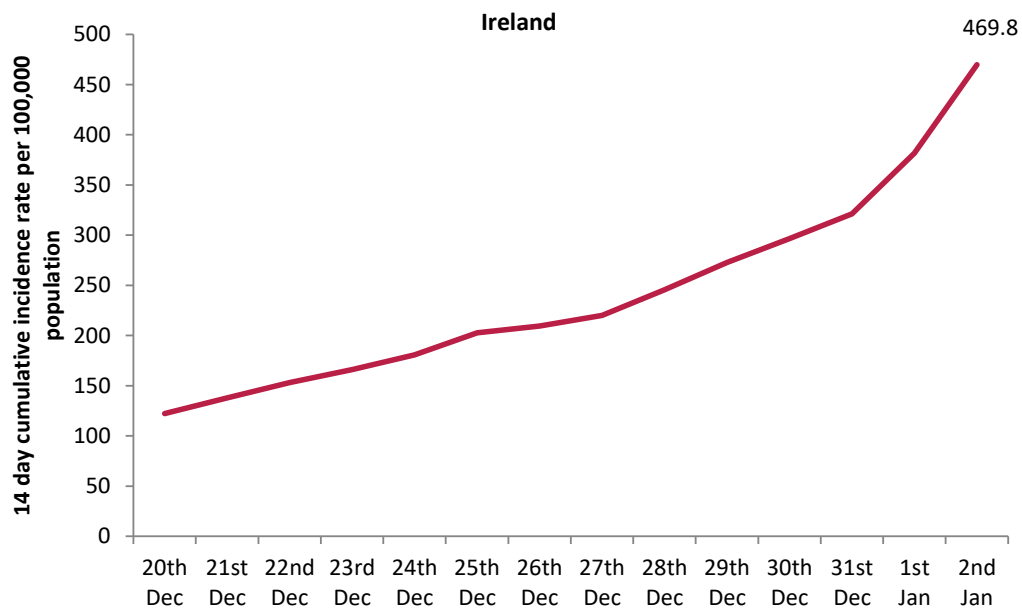
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 20/12/2020 and 02/01/2021**

*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 20/12/2020 and 02/01/2021**

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	441	324.1
CCA2	Dublin South East	968	782.5
CCA3	Dublin South City	505	336.8
CCA4	Dublin South West	549	341.2
CCA5	Dublin West	575	370.1
CCA6	Dublin North West	1040	500.8
CCA7	Dublin North Central	1015	656.6
CCA8	Dublin North	879	339.2
	Unknown	7	
	<b>Dublin</b>	<b>5979</b>	<b>443.8</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 (20/12/2020 to 02/01/2021)**

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: Number of confirmed COVID-19 cases by most likely transmission source notified from 20/12/2020 to midnight 02/01/2021**

Most likely transmission source	Number of cases	Percent
Travel related	87	0.39%
Close contact with a known confirmed case	2479	11.08%
Healthcare setting acquired: patient	124	0.55%
Healthcare setting acquired: staff	221	0.99%
Community transmission	1372	6.13%
Under investigation	18087	80.85%
<b>Total</b>	<b>22,370</b>	<b>100.00%</b>

\*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

**Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 20/12/2020 to midnight 02/01/2021 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	631	4	0.70	0	0
5-12 yrs	1101	6	1.05	0	0
13-18 yrs	1343	13	2.27	0	0
19-24 yrs	3628	41	7.17	0	0
25-34 yrs	4412	61	10.66	2	20.00
35-44 yrs	3412	50	8.74	0	0
45-54 yrs	3147	70	12.24	1	10.00
55-64 yrs	2518	64	11.19	2	20.00
65-74 yrs	1203	92	16.08	5	50.00
75-84 yrs	598	98	17.13	0	0
85+ yrs	374	73	12.76	0	0
Unknown	3			0	0
<b>Total</b>	<b>22,370</b>	<b>572</b>	<b>100</b>	<b>10</b>	<b>100</b>

\* 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 09:38 on 03/01/2021. 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.

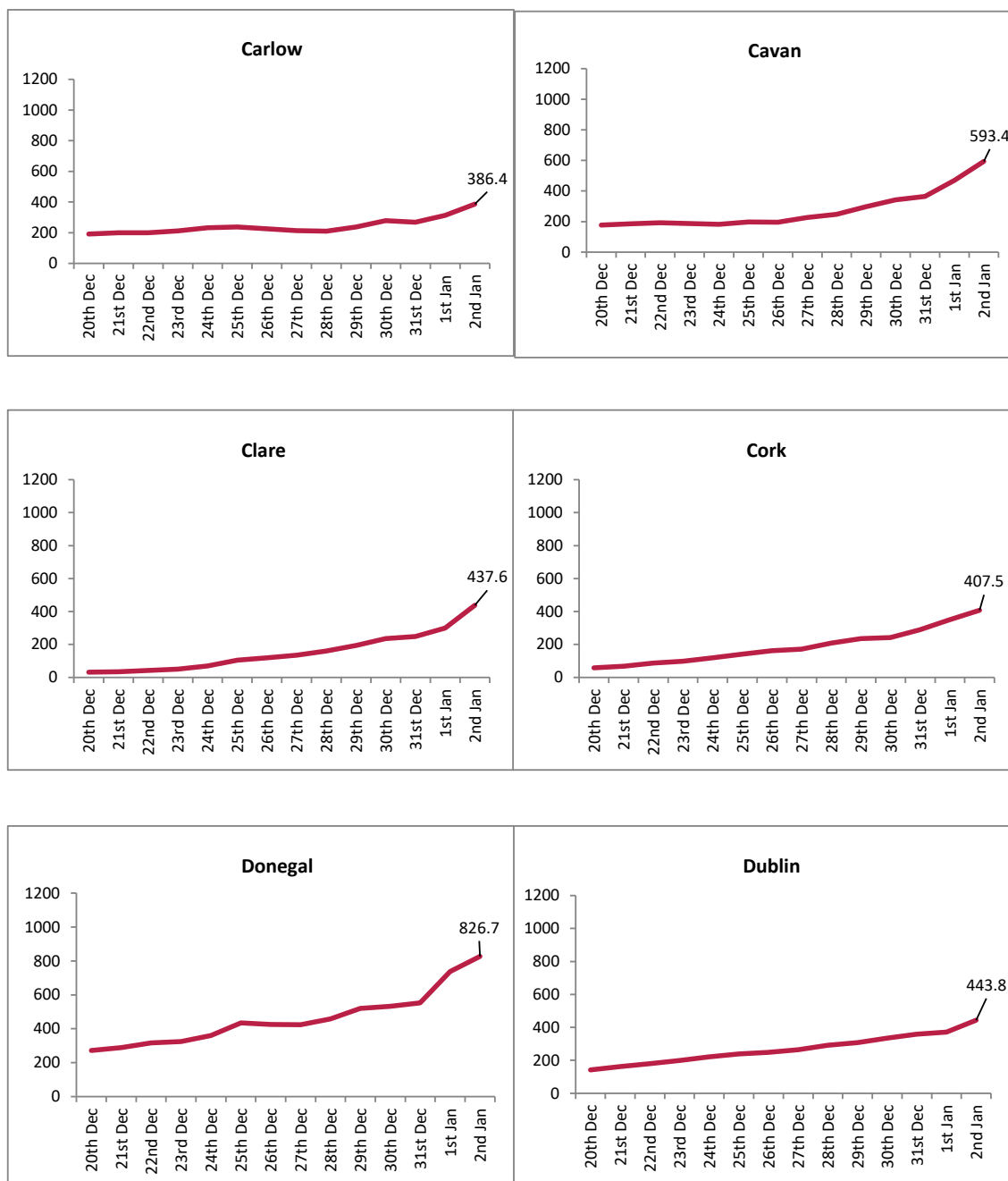
### 5. Outbreak location

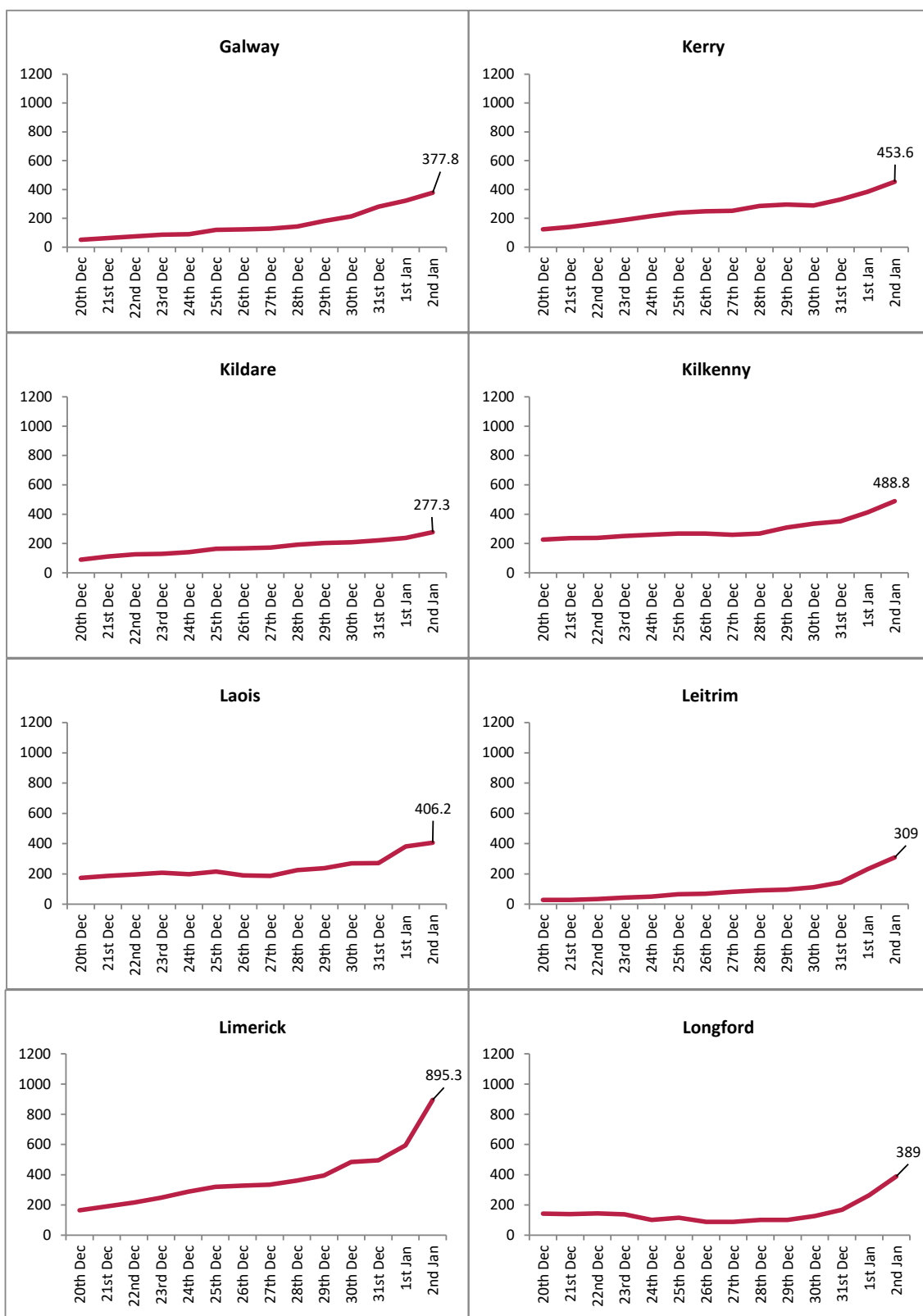
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

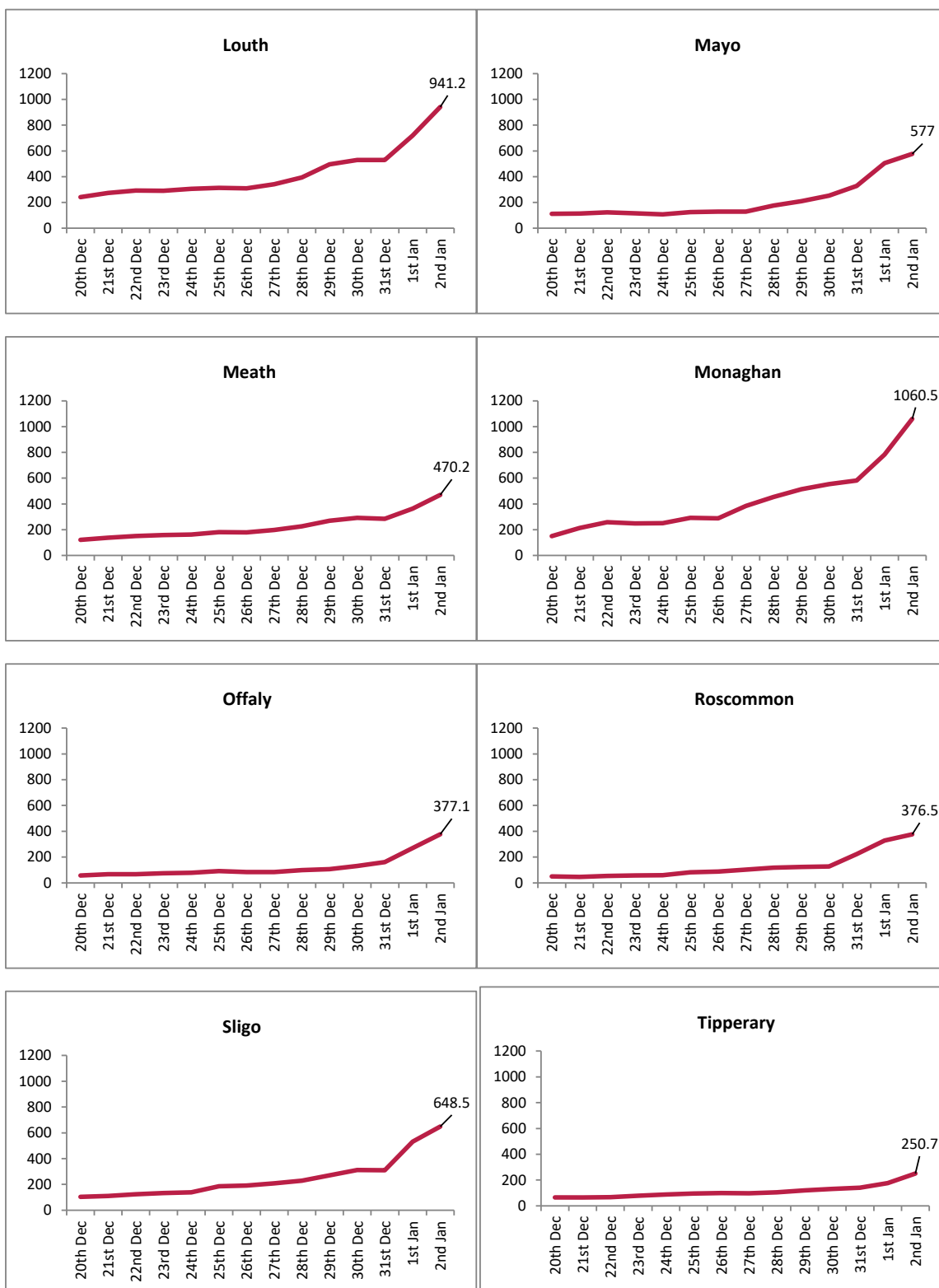
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

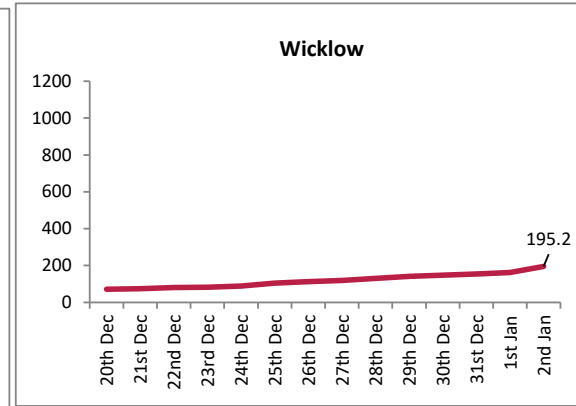
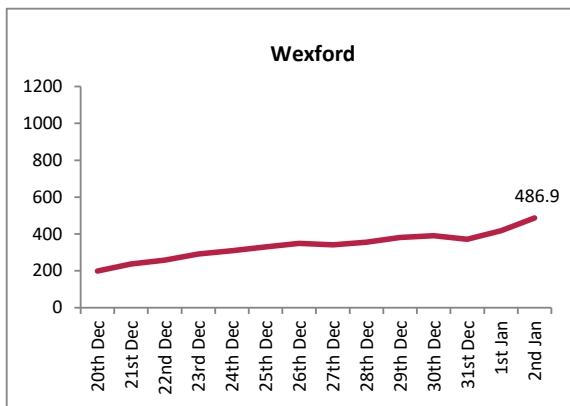
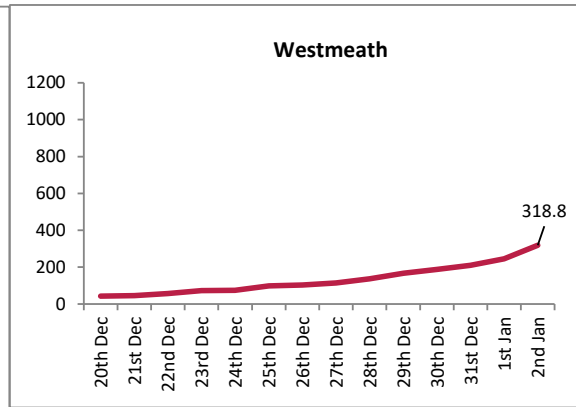
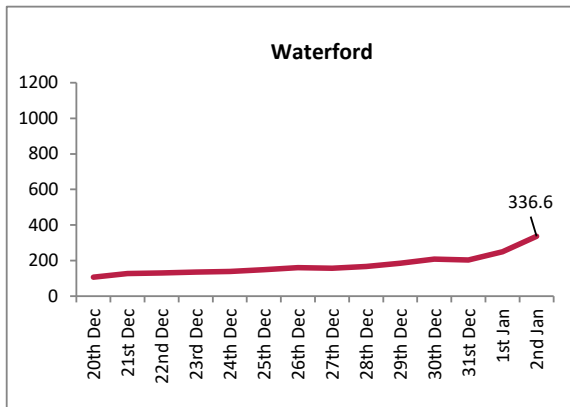
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (20/12/2020 to 02/01/2021)









**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (20/12/2020 to 02/01/2021)**

