



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

Report prepared by HPSC on 02/01/2021

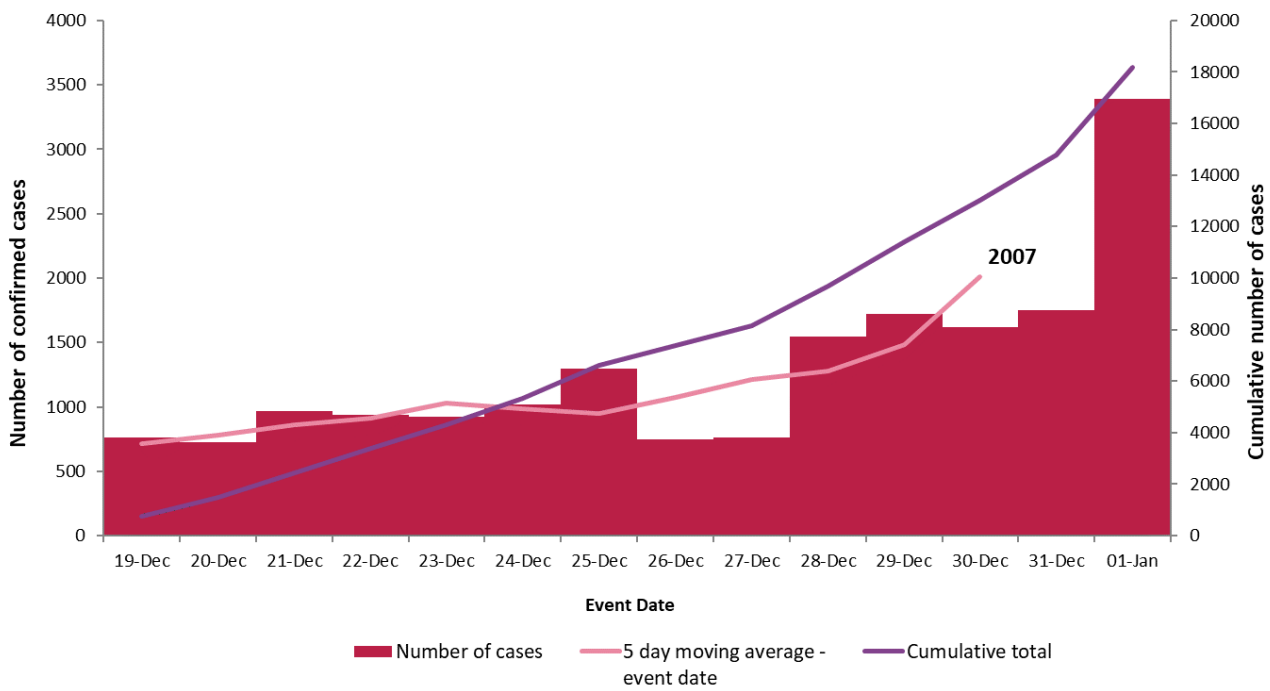
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/12/2020 up to midnight 01/01/2021

	Number	Percent
Total number of confirmed cases	18,169	
National incidence of confirmed cases per 100,000 population	381.55	
Number of cases hospitalised*	522	2.87
Number of cases admitted to ICU*	14	0.08
Number of deaths among confirmed cases	35	0.19
Case fatality ratio (CFR, %)	0.19	
National incidence of confirmed deaths per 100,000 population	0.74	
Number of cases** associated with clusters	1,174	6.46
Number of imported cases	11	0.06
Number of cases in healthcare workers	547	3.01
Males	8,916	49.07
Females	9,194	50.6
M:F ratio	0.97	
Median age (years)	34	
Mean age (years)	37	
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  
19/12/2020 - 01/01/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:22 on 02/01/2021 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=18,169)**

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

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>18,169</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.97	
	Male	8,916	49.07
	Female	9,194	50.6
	Unknown	59	0.32
<b>Age</b>	Median age (years)	34	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	552	3.04
	5-12 yrs	923	5.08
	13-18 yrs	1,101	6.06
	19-24 yrs	2,992	16.47
	25-34 yrs	3,538	19.47
	35-44 yrs	2,793	15.37
	45-54 yrs	2,508	13.8
	55-64 yrs	1,989	10.95
	65-74 yrs	951	5.23
	75-84 yrs	491	2.7
	85+ yrs	328	1.81
	Unknown	3	0.02
<b>Underlying clinical conditions</b>	Yes	1,344	7.4
	No	4,012	22.08
	Unknown	12,813	70.52
<b>Symptom status at time of test*</b>	Yes	3,988	21.95
	No	1,255	6.91
	Unknown	12,926	71.14

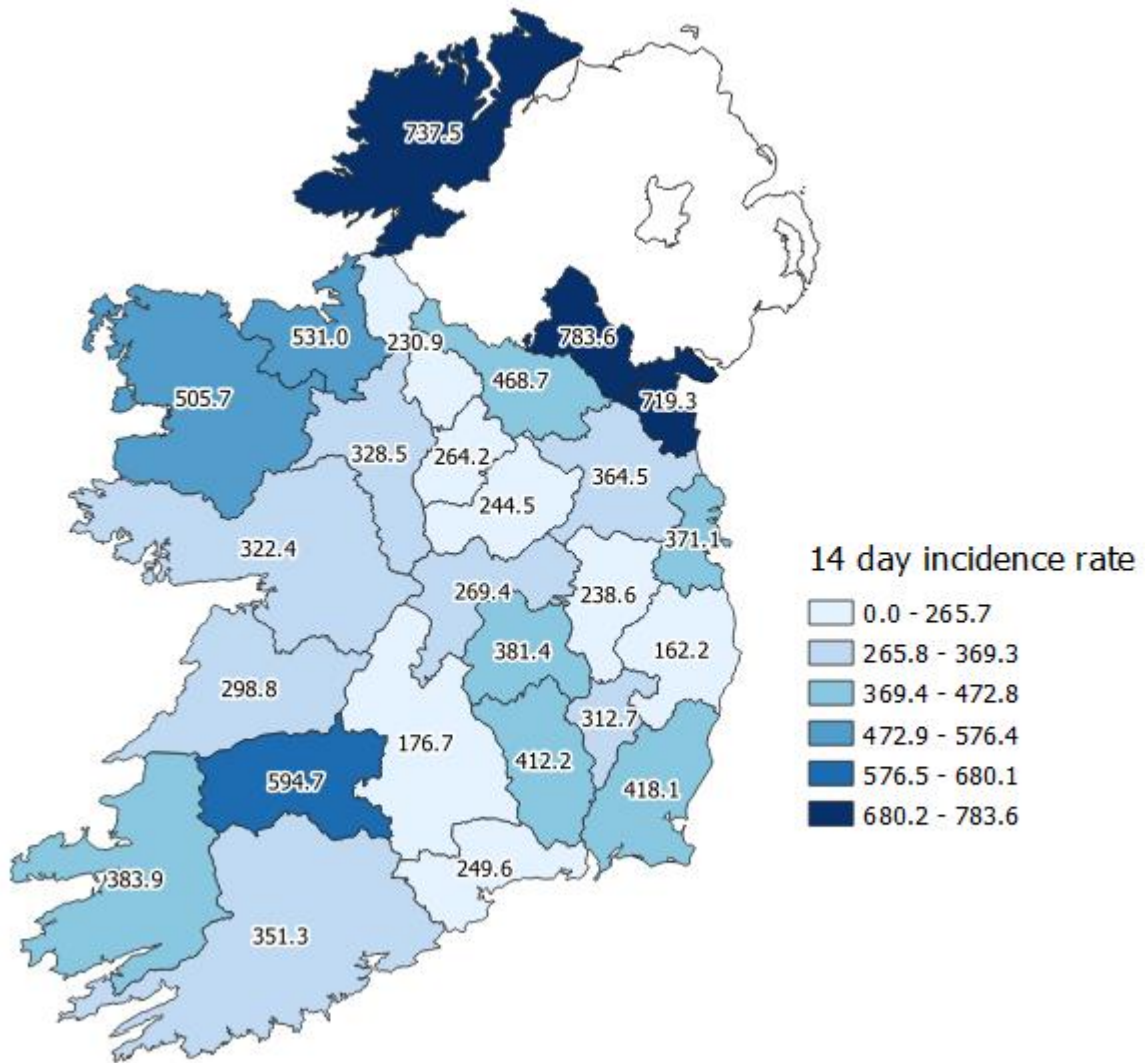
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 19/12/2020 to midnight 01/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,432	621.5
CHO2	1704	376.1
CHO3	1691	439.2
CHO4	2,474	358.3
CHO5	1,591	311.8
CHO6	1406	366.9
CHO7	1,854	262.0
CHO8	2,512	405.6
CHO9	2,498	402.0
Unknown	7	
<b>Total</b>	<b>18,169</b>	<b>381.6</b>

**Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 19/12/2020 to midnight 01/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	481	783.6
Donegal	1174	737.5
Louth	927	719.3
Limerick	1159	594.7
Sligo	348	531.0
Mayo	660	505.7
Cavan	357	468.7
Wexford	626	418.1
Kilkenny	409	412.2
Kerry	567	383.9
Laois	323	381.4
Dublin	5000	371.1
Meath	711	364.5
Cork	1907	351.3
Roscommon	212	328.5
Galway	832	322.4
Carlow	178	312.7
Clare	355	298.8
Offaly	210	269.4
Longford	108	264.2
Waterford	290	249.6
Westmeath	217	244.5
Kildare	531	238.6
Leitrim	74	230.9
Tipperary	282	176.7
Wicklow	231	162.2
<b>Total</b>	<b>18,169</b>	<b>381.6</b>



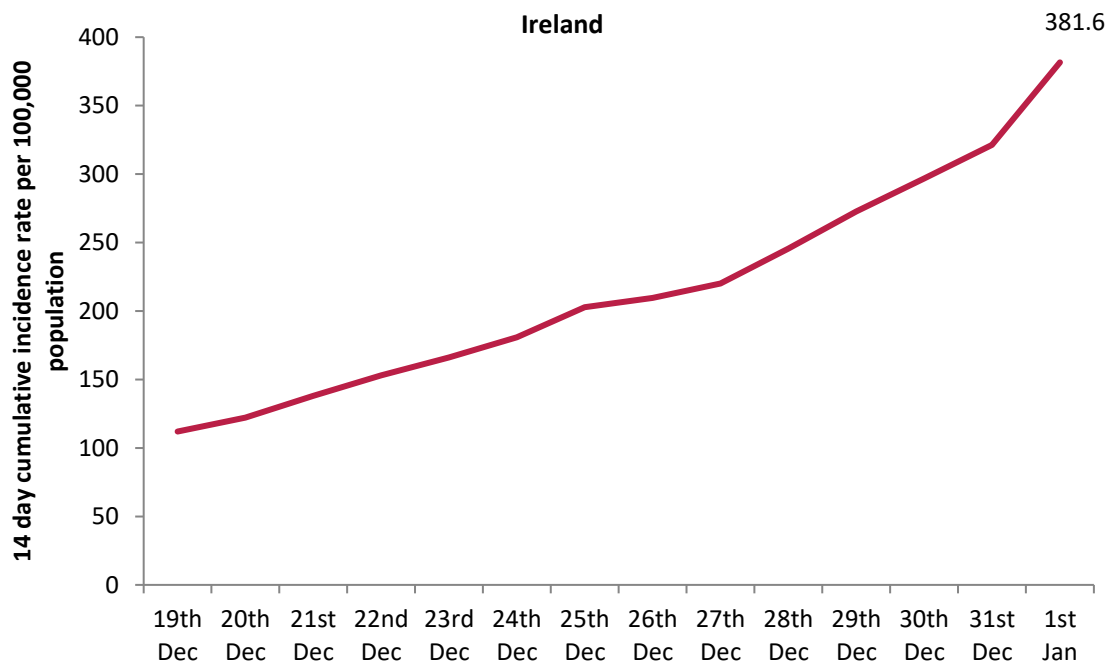
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/12/2020 and 01/01/2021**

*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 19/12/2020 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	364	267.5
CCA2	Dublin South East	822	664.5
CCA3	Dublin South City	397	264.8
CCA4	Dublin South West	420	261.0
CCA5	Dublin West	495	318.6
CCA6	Dublin North West	890	428.6
CCA7	Dublin North Central	887	573.8
CCA8	Dublin North	721	278.2
	Unknown	4	
	<b>Dublin</b>	<b>5,000</b>	<b>371.1</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 (19/12/2020 to 01/01/2021)**

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

Most likely transmission source	Number of cases	Percent
Travel related*	92	0.51%
Close contact with a known confirmed case	2,832	15.59%
Healthcare setting acquired: patient	135	0.74%
Healthcare setting acquired: staff	224	1.23%
Community transmission	1,541	8.48%
Under investigation	13,345	73.45%
<b>Total cases with known most likely transmission source</b>	<b>4,824</b>	
<b>Total</b>	<b>18,169</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 19/12/2020 to midnight 01/01/2021 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	552	3	0.57	0	0
5-12 yrs	923	8	1.53	0	0
13-18 yrs	1101	10	1.92	0	0
19-24 yrs	2,992	37	7.09	0	0
25-34 yrs	3,538	55	10.54	3	21.43
35-44 yrs	2,793	45	8.62	1	7.14
45-54 yrs	2,508	59	11.30	1	7.14
55-64 yrs	1,989	60	11.49	2	14.29
65-74 yrs	951	81	15.52	5	35.71
75-84 yrs	491	92	17.62	2	14.29
85+ yrs	328	72	13.79	0	0
Unknown	3			0	0
<b>Total</b>	<b>18,169</b>	<b>522</b>	<b>100</b>	<b>14</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 day.



## **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 09:22 on 02/01/2021. 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.

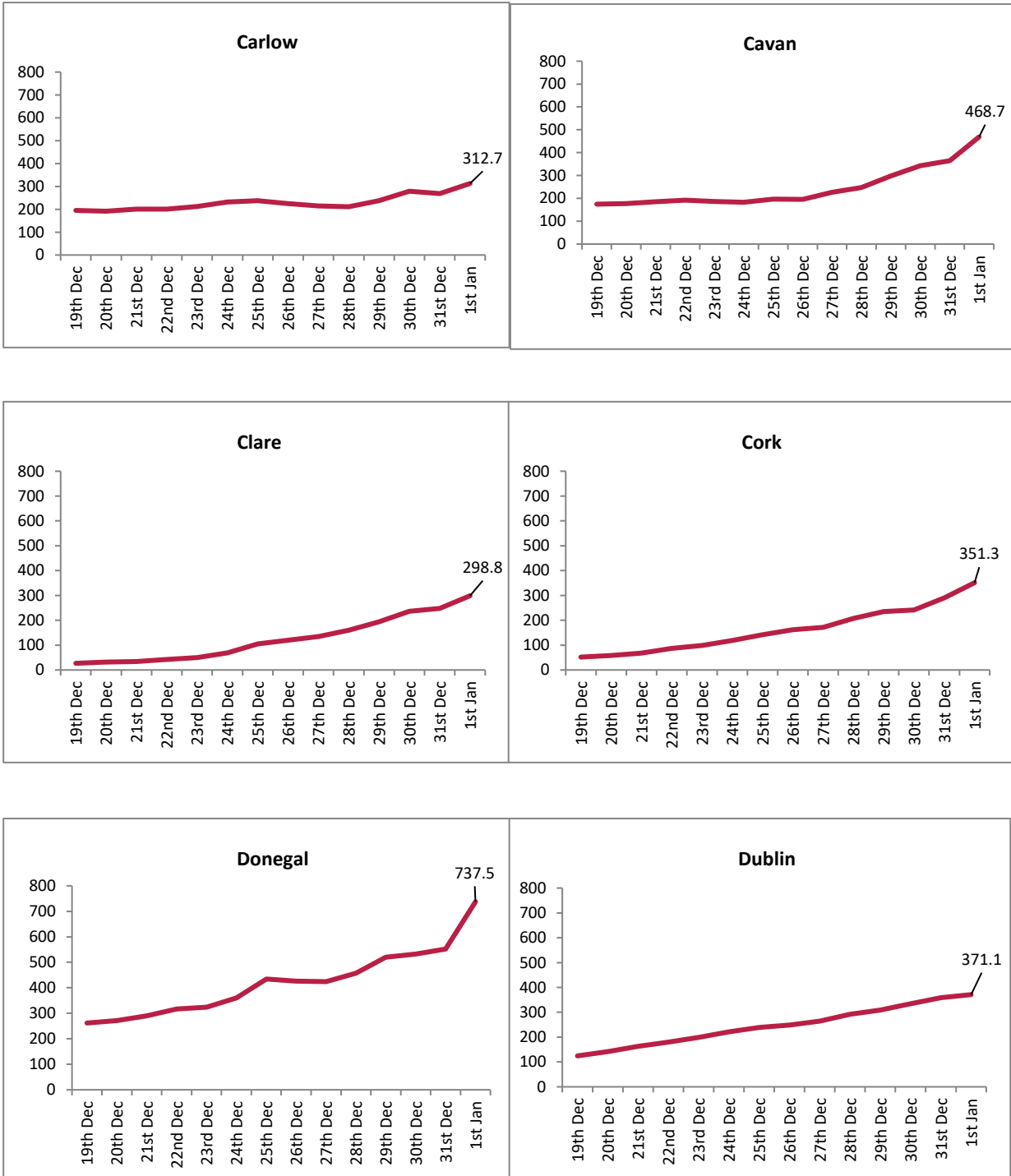
### 5. Outbreak location

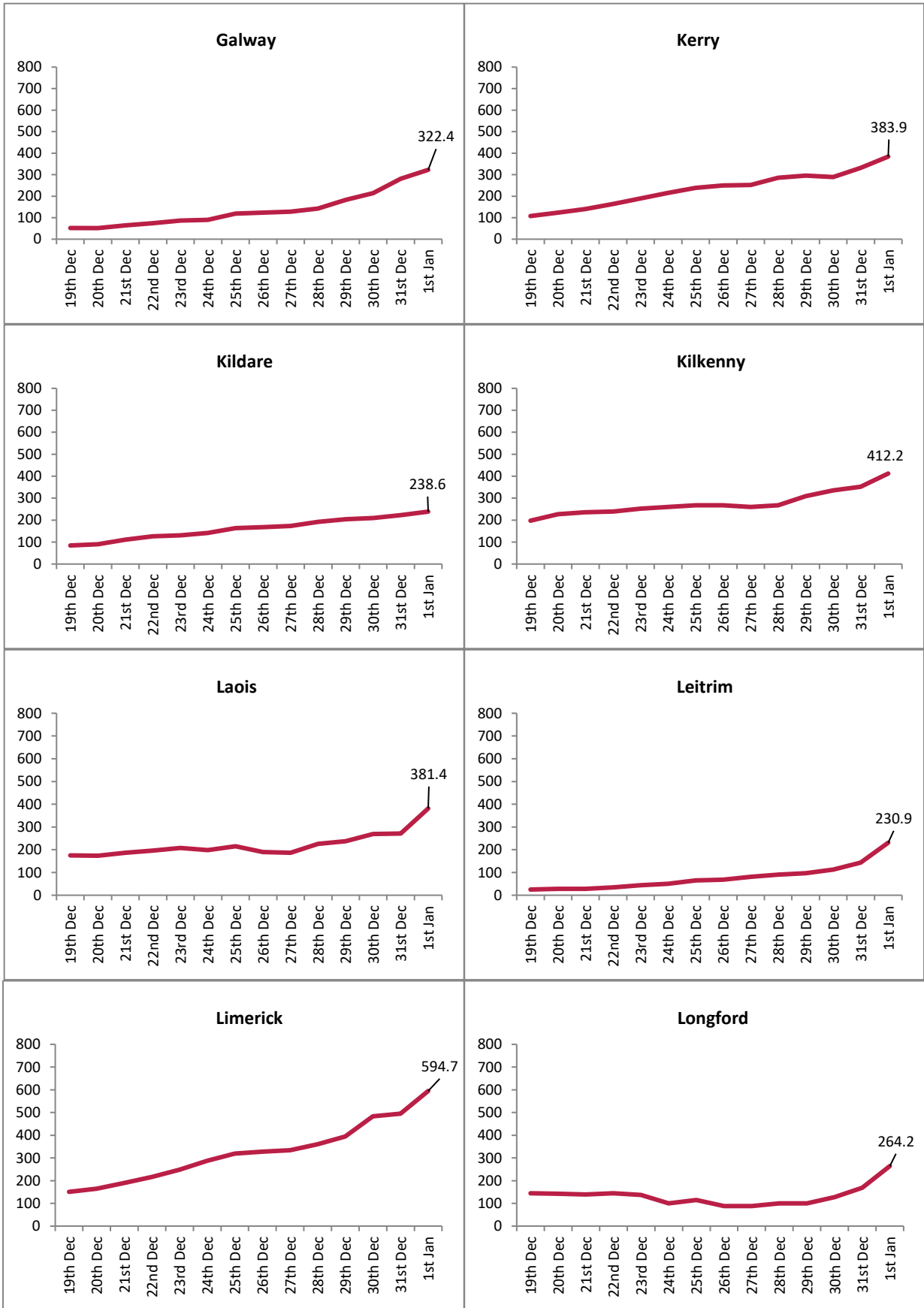
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

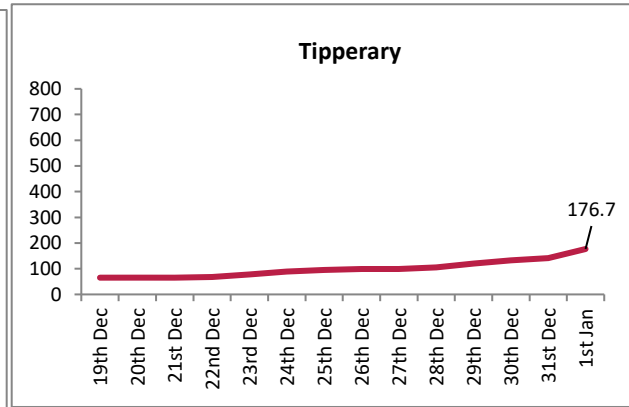
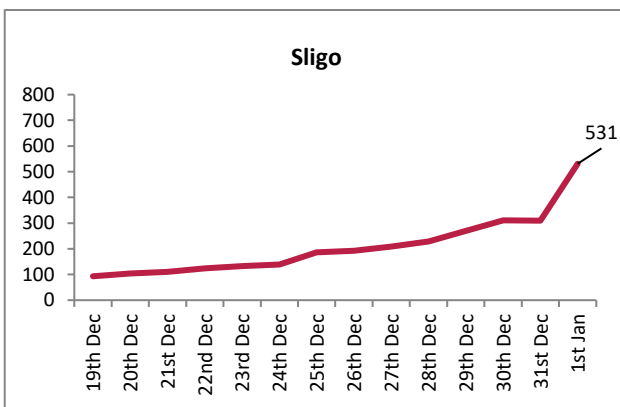
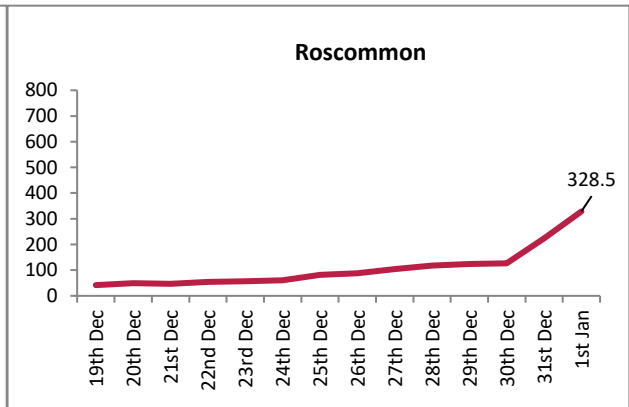
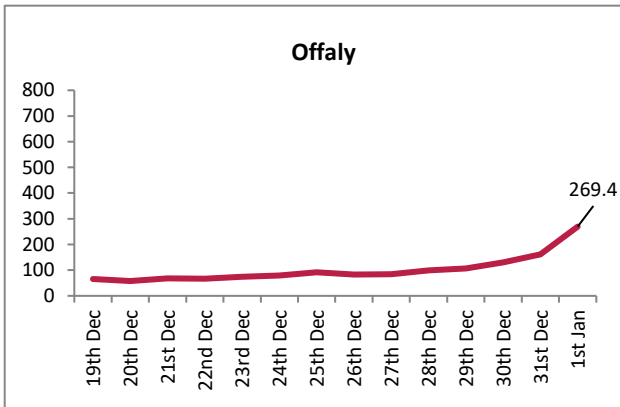
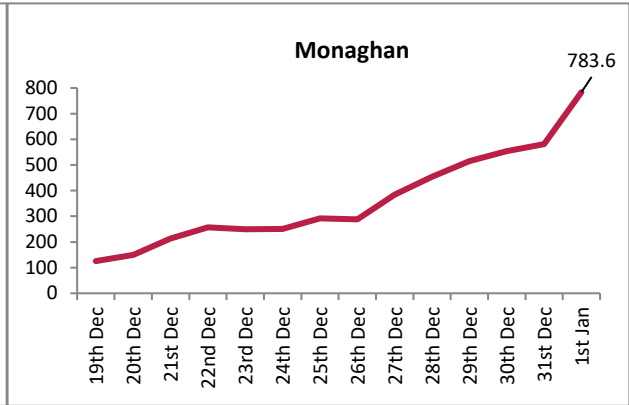
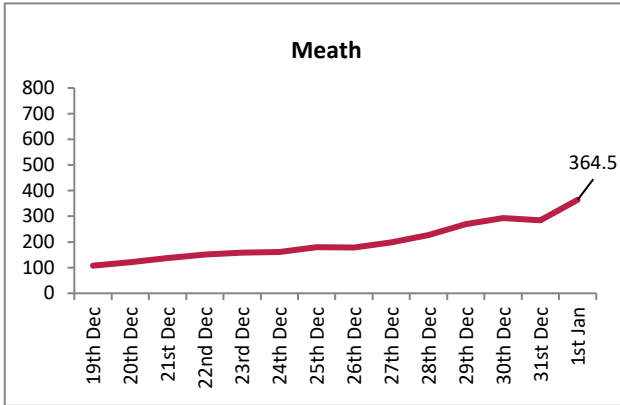
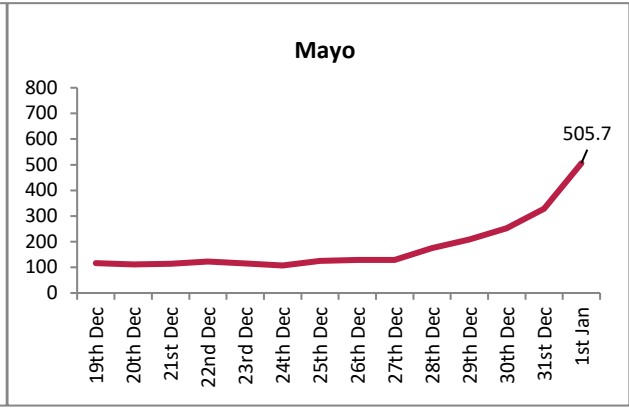
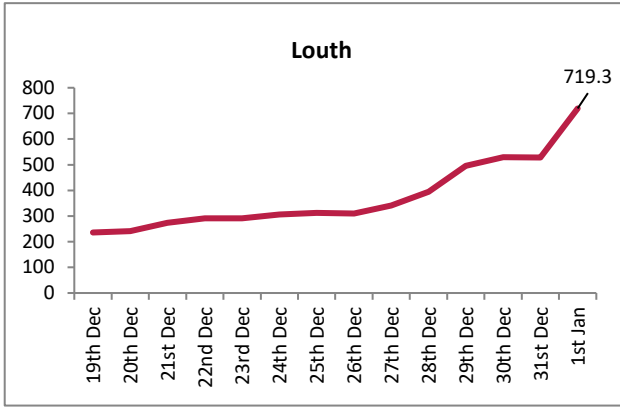
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

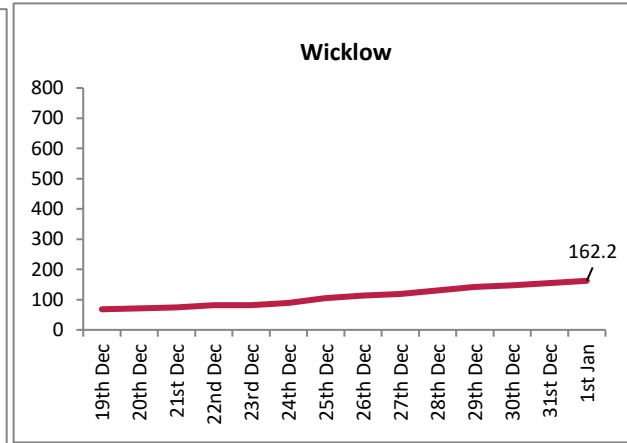
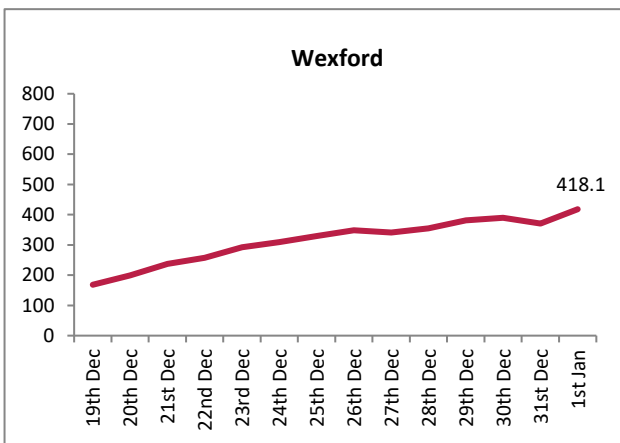
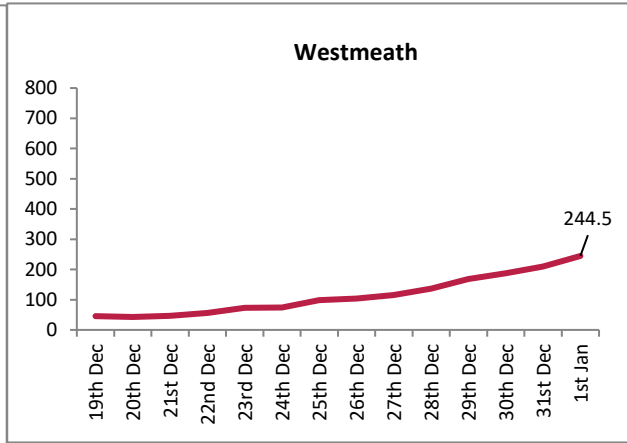
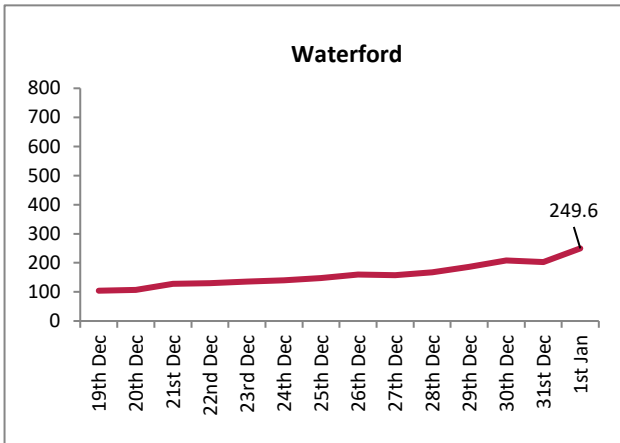
# Appendix 1

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









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

