



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

Report prepared by HPSC on 22/01/2021

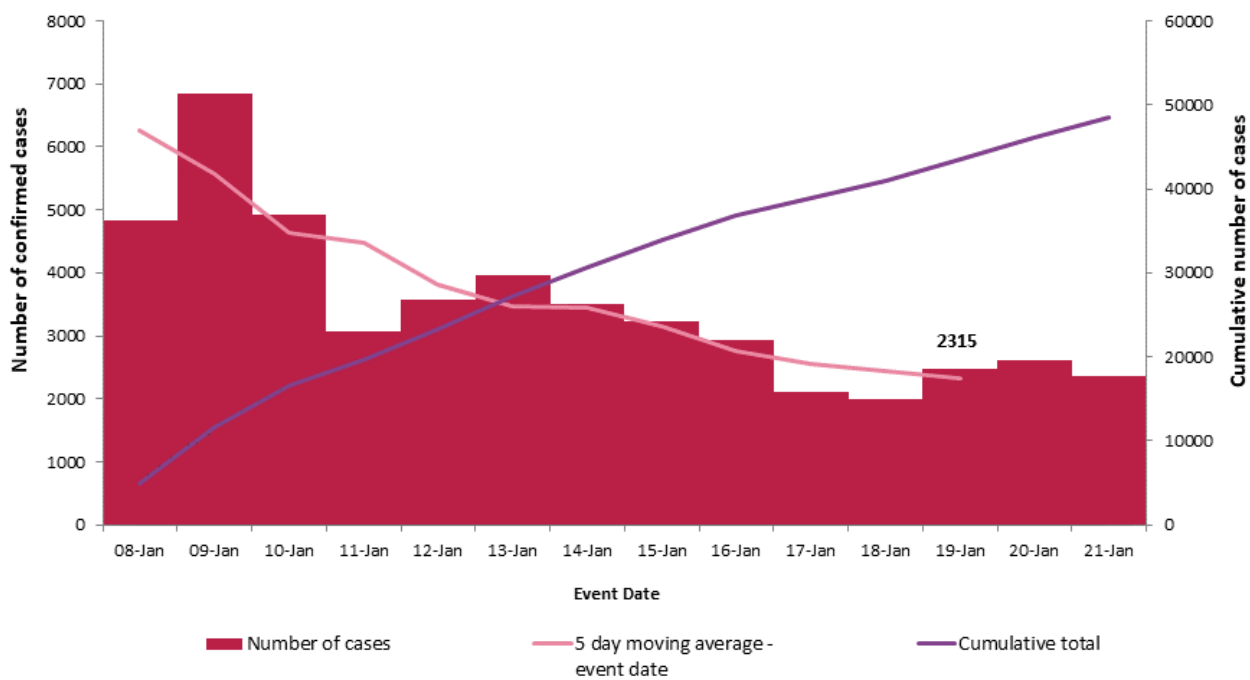
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/01/2021 up to midnight 21/01/2021

	Number	Percent
Total number of confirmed cases	48,433	
National incidence of confirmed cases per 100,000 population	1,017.1	
Number of cases hospitalised*	2,547	5.26
Number of cases admitted to ICU*	141	0.29
Number of deaths among confirmed cases	276	0.57
Case fatality ratio (CFR, %)	0.57	
National incidence of confirmed deaths per 100,000 population	5.8	
Number of cases** associated with clusters	3,735	7.71
Number of imported cases	9	0.02
Number of cases in healthcare workers	5,103	10.54
Males	22,508	46.47
Females	25,857	53.39
M:F ratio	0.87	
Median age (years)	40	
Mean age (years)	42	
Age range (years)	0 - 104	

\* 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  
08/01/2021 - 21/01/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:49 on 22/01/2021 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=48,433)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 08/01/2021 up to midnight on 21/01/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>48,433</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.87	
	Male	22,508	46.47
	Female	25,857	53.39
	Unknown	68	0.14
<b>Age</b>	Median age (years)	40	
	Mean age (years)	42	
	Age range (years)	0 - 104	
	0-4 yrs	956	1.97
	5-12 yrs	1,545	3.19
	13-18 yrs	2,733	5.64
	19-24 yrs	5,528	11.41
	25-34 yrs	8,532	17.62
	35-44 yrs	8,072	16.67
	45-54 yrs	7,895	16.3
	55-64 yrs	6,133	12.66
	65-74 yrs	2,976	6.14
	75-84 yrs	2,310	4.77
	85+ yrs	1,707	3.52
Unknown	46	0.09	
<b>Underlying clinical conditions</b>	Yes	2,203	4.55
	No	35,495	73.29
	Unknown	10,735	22.16
<b>Symptom status at time of test*</b>	Yes	32,373	66.84
	No	4,766	9.84
	Unknown	11,294	23.32

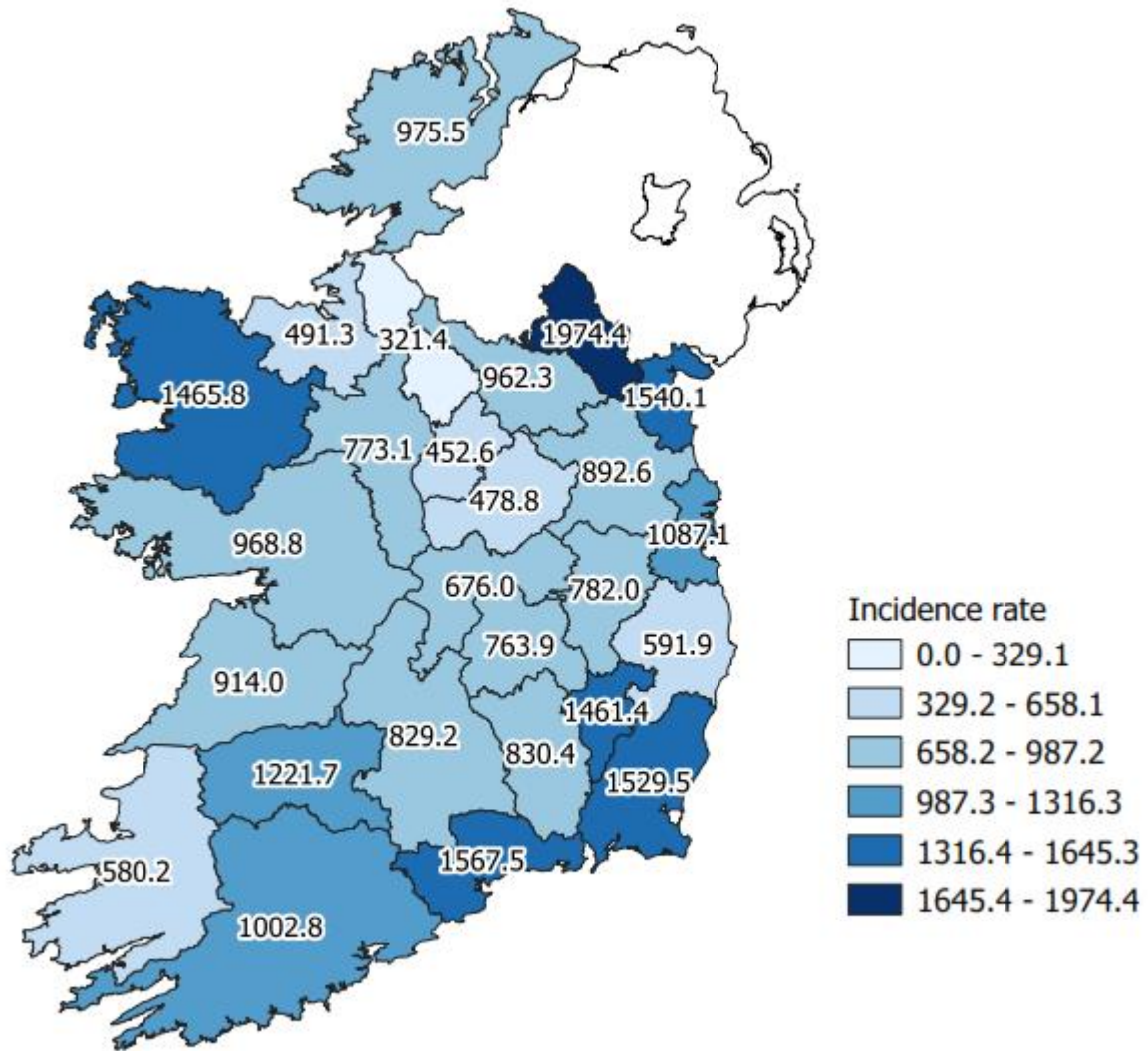
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 08/01/2021 to midnight 21/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	3,923	1002.6
CHO2	4912	1084.1
CHO3	3984	1034.8
CHO4	6,301	912.4
CHO5	6,567	1286.8
CHO6	3568	931.2
CHO7	6,141	867.7
CHO8	5,516	890.7
CHO9	7,519	1210.0
Unknown	2	
<b>Total</b>	<b>48,433</b>	<b>1017.1</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 08/01/2021 to midnight 21/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1212	1974.4
Waterford	1821	1567.4
Louth	1985	1540.1
Wexford	2290	1529.5
Mayo	1913	1465.8
Carlow	832	1461.4
Limerick	2381	1221.7
Dublin	14647	1087.1
Cork	5444	1002.8
Donegal	1553	975.6
Galway	2500	968.8
Cavan	733	962.2
Clare	1086	914.0
Meath	1741	892.6
Kilkenny	824	830.4
Tipperary	1323	829.2
Kildare	1740	782.0
Roscommon	499	773.1
Laois	647	763.9
Offaly	527	676.0
Wicklow	843	591.9
Kerry	857	580.2
Sligo	322	491.3
Westmeath	425	478.8
Longford	185	452.6
Leitrim	103	321.4
<b>Total</b>	<b>48,433</b>	<b>1017.1</b>



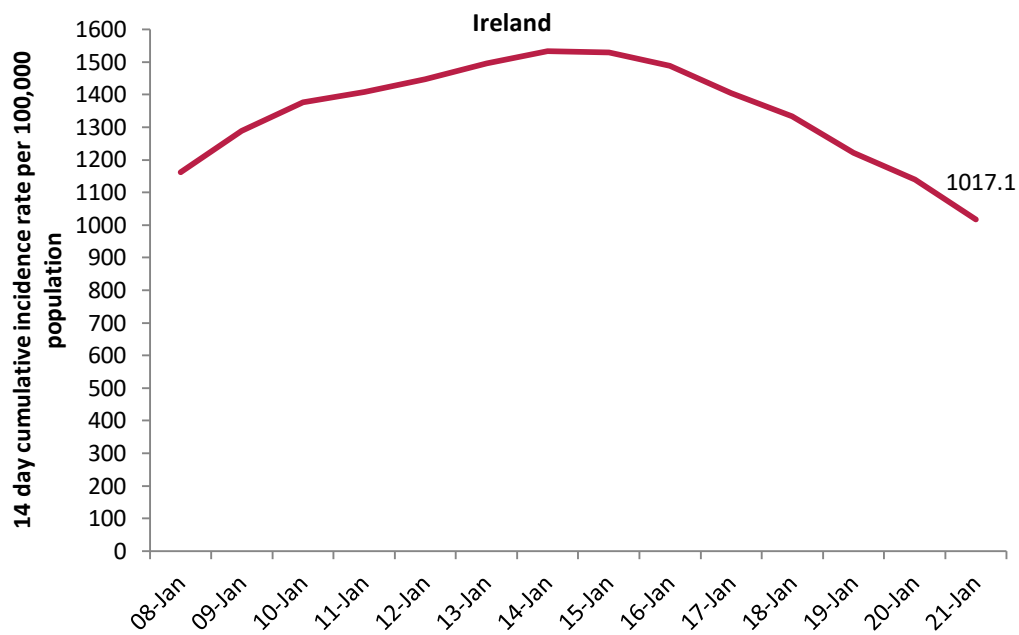
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/01/2021 and 21/01/2021**

*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 08/01/2021 and 21/01/2021**

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	877	644.5
CCA2	Dublin South East	1,878	1518.1
CCA3	Dublin South City	1,161	774.3
CCA4	Dublin South West	1,482	921.1
CCA5	Dublin West	1,728	1112.4
CCA6	Dublin North West	2,979	1434.5
CCA7	Dublin North Central	2,168	1402.5
CCA8	Dublin North	2,372	915.3
	Unknown	2	
	<b>Dublin</b>	<b>14,647</b>	<b>1087.1</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 (08/01/2021 to 21/01/2021)**

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 08/01/2021 to midnight 21/01/2021**

Most likely transmission source	Number of cases	Percent
Travel related	180	0.37%
Close contact with a known confirmed case	15818	32.66%
Healthcare setting acquired: patient	2029	4.19%
Healthcare setting acquired: staff	2106	4.35%
Community transmission	7589	15.67%
Under investigation	20711	42.76%
<b>Total cases with known most likely transmission source</b>	<b>27722</b>	<b>57.24%</b>
<b>Total</b>	<b>48433</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 08/01/2021 to midnight 21/01/2021 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	956	21	0.82	1	0.71
5-12 yrs	1545	12	0.47	0	0
13-18 yrs	2733	29	1.14	0	0
19-24 yrs	5528	87	3.42	0	0
25-34 yrs	8532	153	6.01	6	4.26
35-44 yrs	8072	188	7.38	7	4.96
45-54 yrs	7895	262	10.29	29	20.57
55-64 yrs	6133	344	13.51	36	25.53
65-74 yrs	2976	425	16.69	37	26.24
75-84 yrs	2310	620	24.34	21	14.89
85+ yrs	1707	406	15.94	4	2.84
Unknown	46			0	0
<b>Total</b>	<b>48,433</b>	<b>2547</b>	<b>100</b>	<b>141</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



## Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 08/01/2021 up to midnight 21/01/2021

	Number	Percent
Total number of deaths	282	
Confirmed	276	97.87
Probable	3	1.06
Possible	3	1.06
Total number of cases hospitalised	152	53.9
Total number of male cases	156	55.32
M:F ratio	1.24	
Median age (years)	82	
Mean age (years)	80	
Age range (years)	39 - 103	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 08/01/2021 up to midnight 21/01/2021

Age group (years)	Female	Male	Total	Percent
35-54 yrs	*	*	9	3.29
55-64 yrs	5	8	13	4.61
65-74 yrs	17	31	48	17.02
75-84 yrs	38	70	108	38.3
85+ yrs	63	41	104	36.88
<b>Total</b>	<b>126</b>	<b>156</b>	<b>282</b>	<b>100</b>
<b>Percent</b>	<b>44.68</b>	<b>55.32</b>		

\* Numbers <5

## **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 09:49 on 22/01/2021. 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. 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.

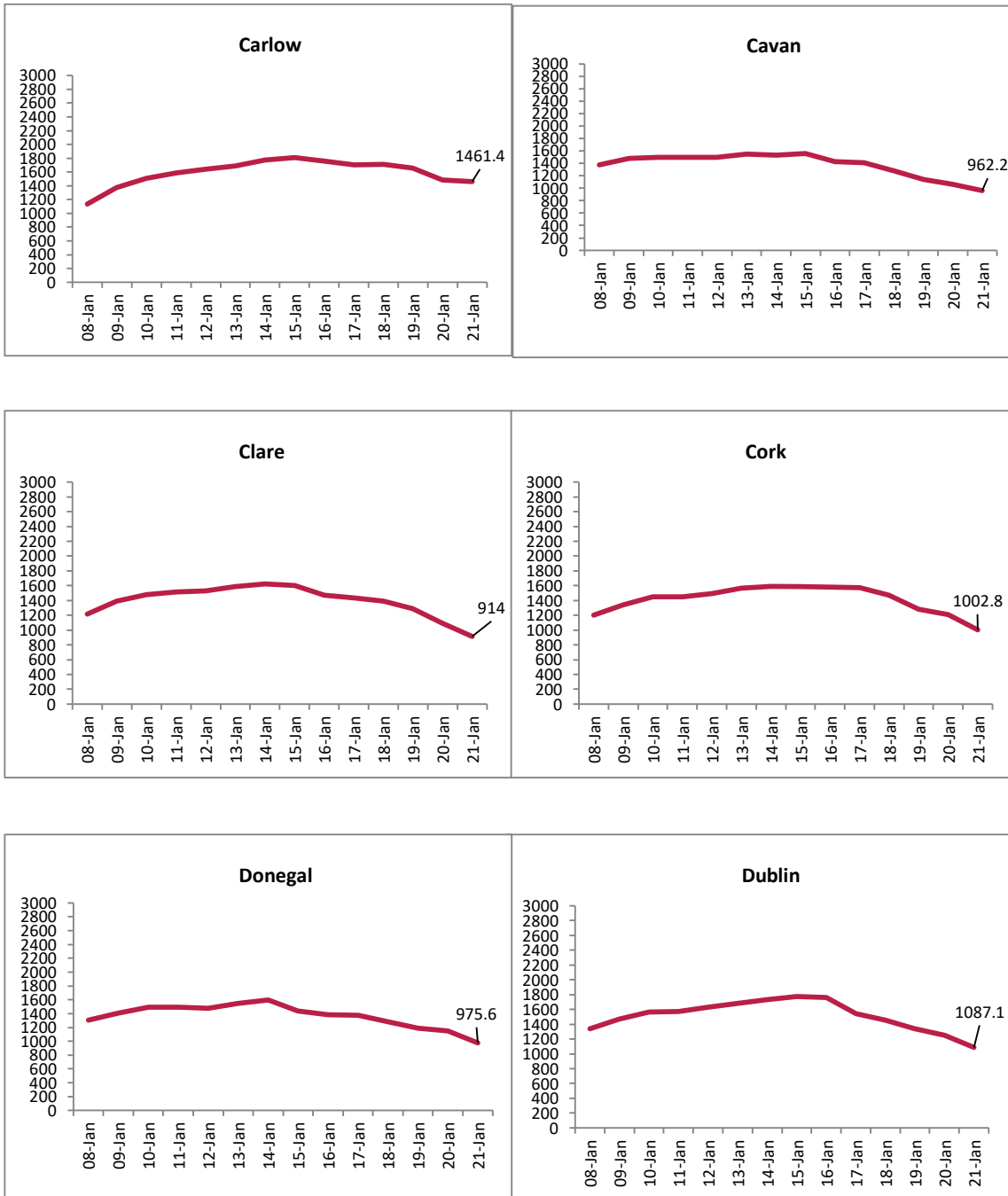
### 5. Outbreak location

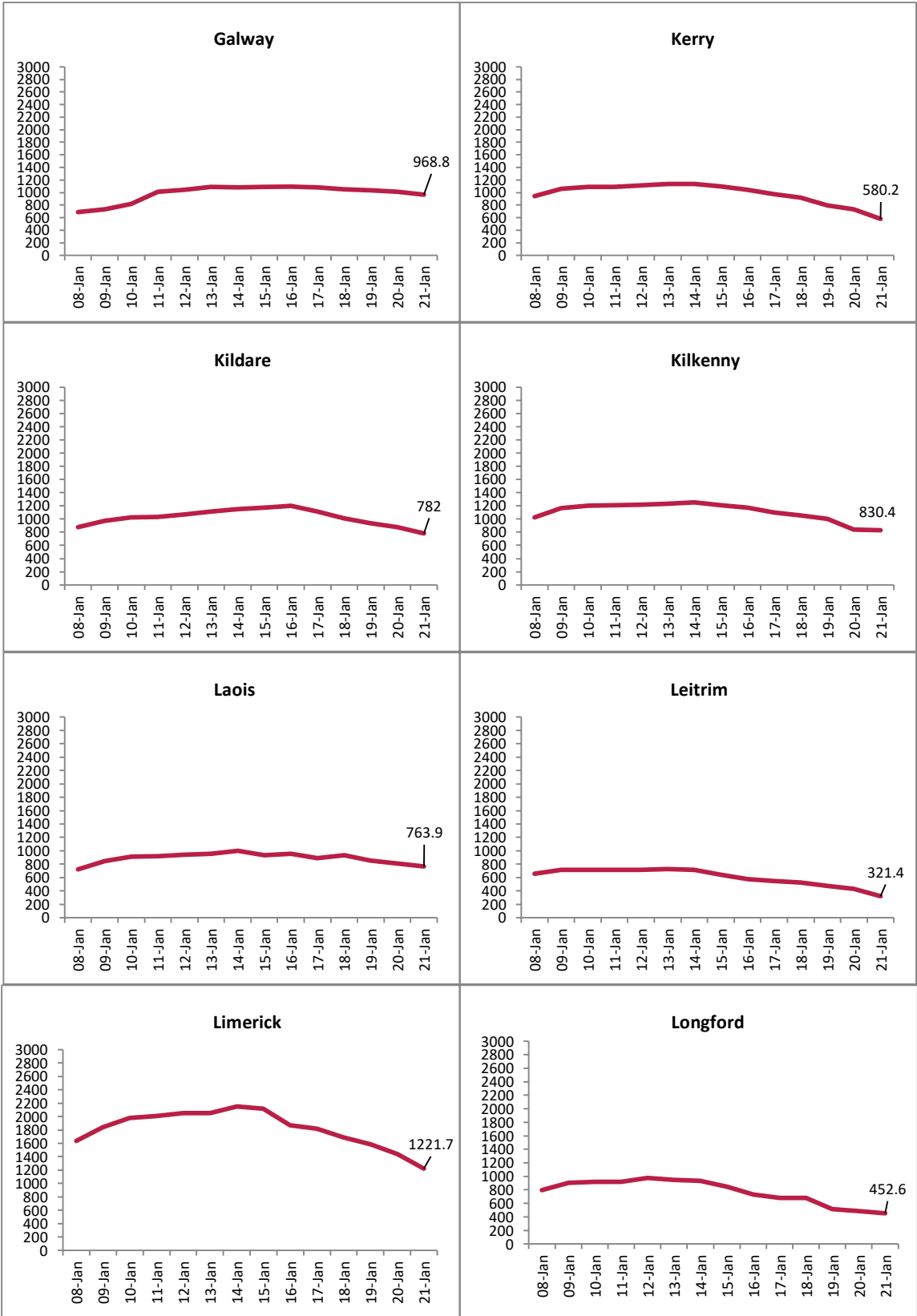
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

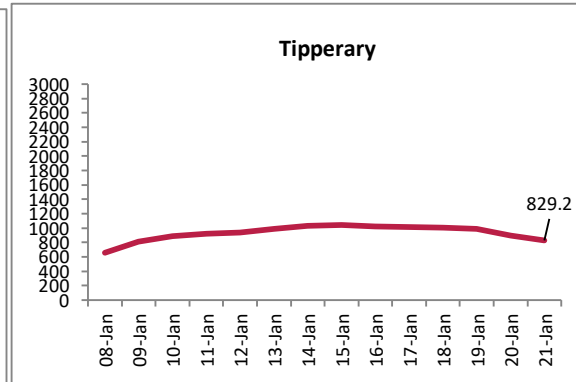
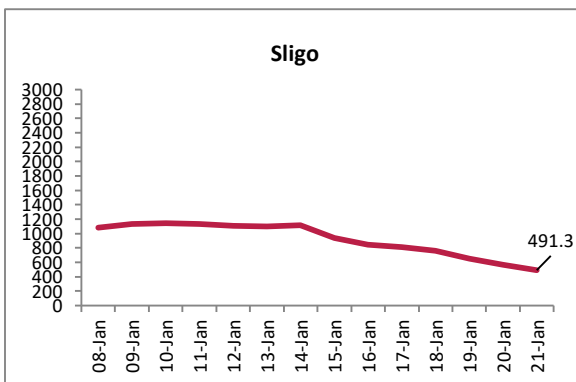
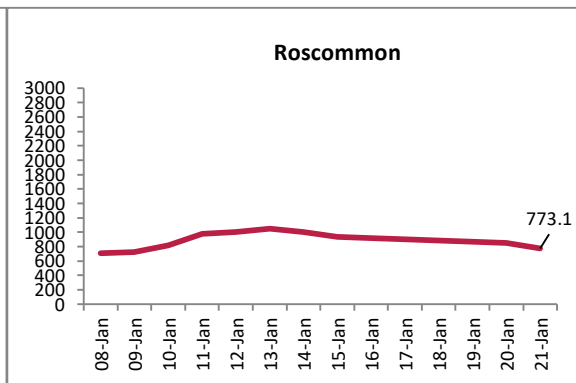
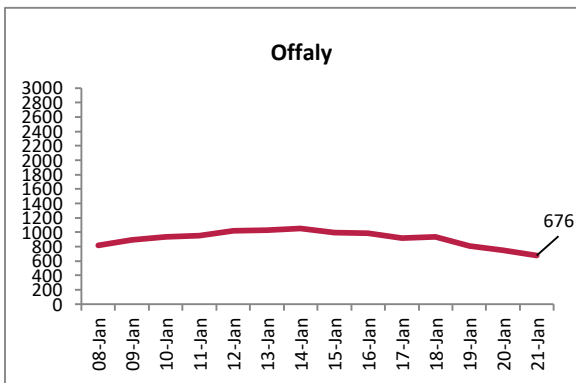
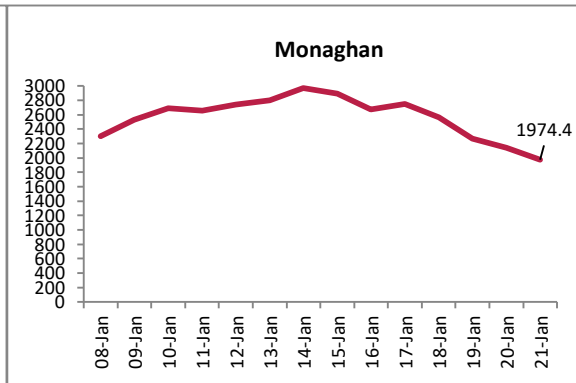
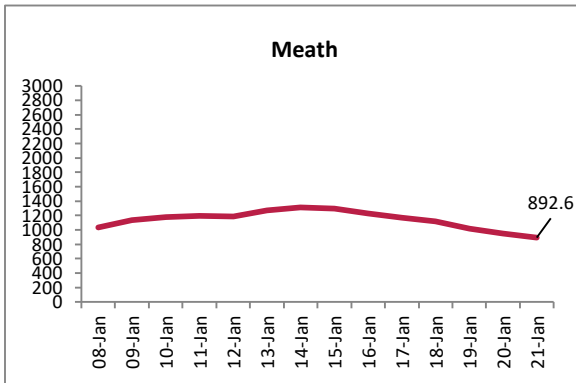
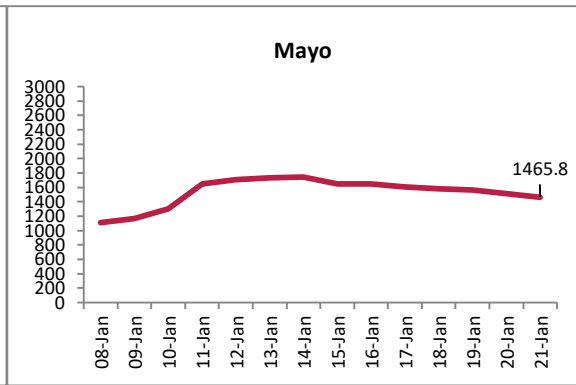
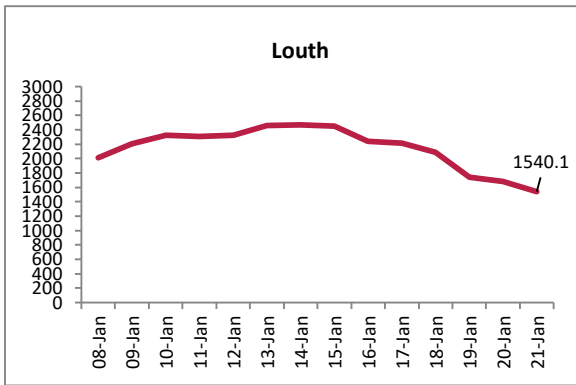
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (08/01/2021 to 21/01/2021)







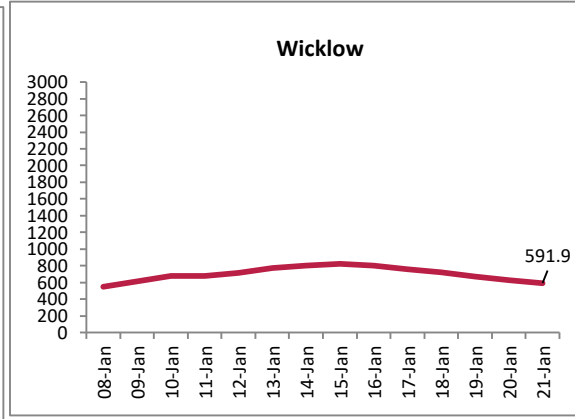
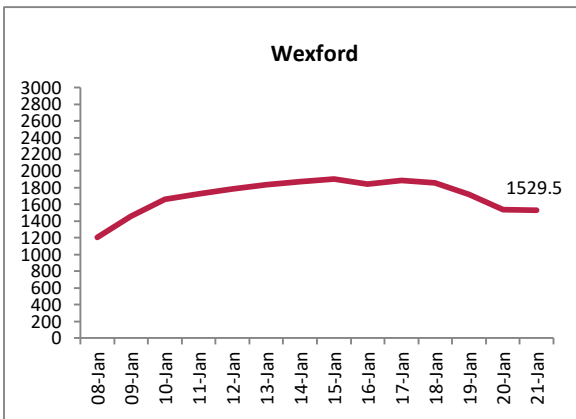
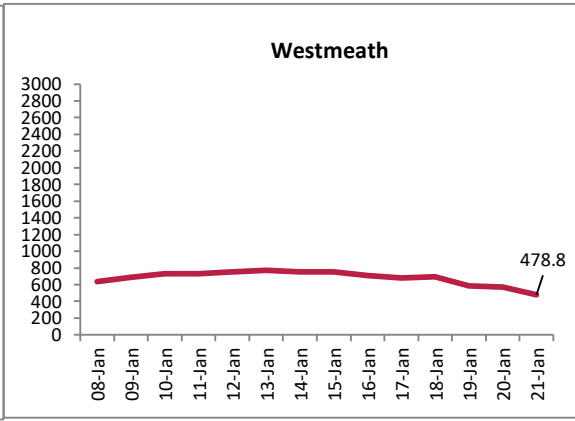
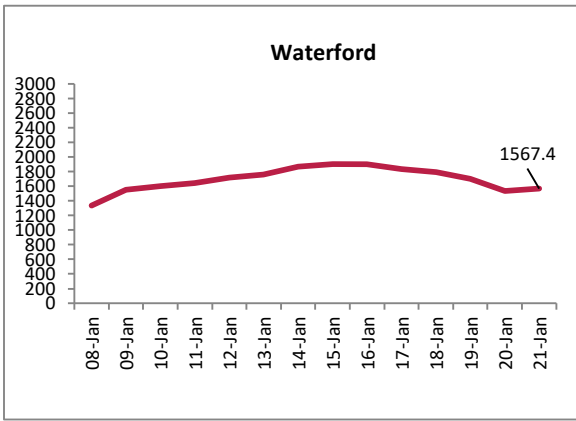


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (08/01/2021 to 21/01/2021)

