



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

Report prepared by HPSC on 21/01/2021

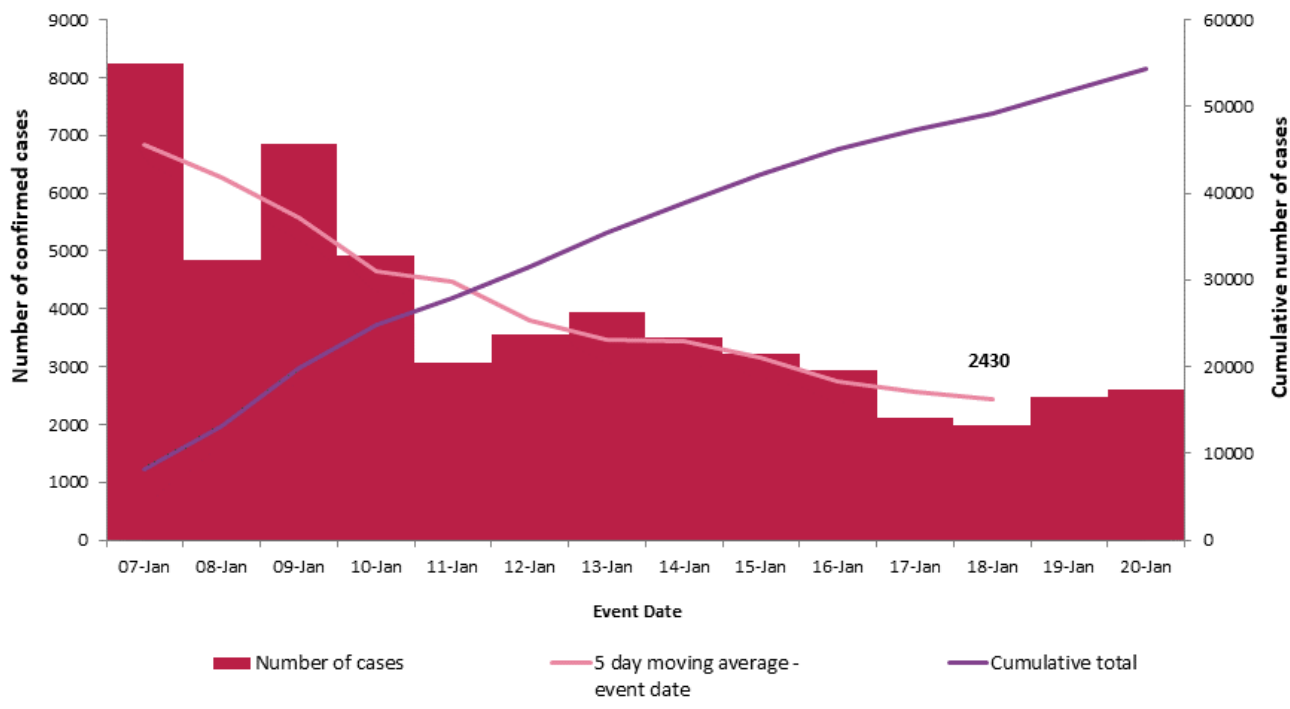
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/01/2021 up to midnight 20/01/2021

	Number	Percent
Total number of confirmed cases	54,318	
National incidence of confirmed cases per 100,000 population	1,140.69	
Number of cases hospitalised*	2,641	4.86
Number of cases admitted to ICU*	153	0.28
Number of deaths among confirmed cases	266	0.49
Case fatality ratio (CFR, %)	0.49	
National incidence of confirmed deaths per 100,000 population	5.59	
Number of cases** associated with clusters	3,711	6.83
Number of imported cases	9	0.02
Number of cases in healthcare workers	5,417	9.97
Males	25,217	46.42
Females	29,051	53.48
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  
07/01/2021 - 20/01/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:55 on 21/01/2021 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=54,318)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 07/01/2021 up to midnight on 20/01/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>54,318</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.87	
	Male	25,217	46.42
	Female	29,051	53.48
	Unknown	50	0.09
<b>Age</b>	Median age (years)	40	
	Mean age (years)	42	
	Age range (years)	0 - 104	
	0-4 yrs	1,037	1.91
	5-12 yrs	1,735	3.19
	13-18 yrs	3,087	5.68
	19-24 yrs	6,455	11.88
	25-34 yrs	9,715	17.89
	35-44 yrs	9,070	16.7
	45-54 yrs	8,840	16.27
	55-64 yrs	6,877	12.66
	65-74 yrs	3,313	6.1
	75-84 yrs	2,411	4.44
	85+ yrs	1,732	3.19
	Unknown	46	0.08
<b>Underlying clinical conditions</b>	Yes	2,333	4.3
	No	41,066	75.6
	Unknown	10,919	20.1
<b>Symptom status at time of test*</b>	Yes	37,620	69.26
	No	5,160	9.5
	Unknown	11,538	21.24

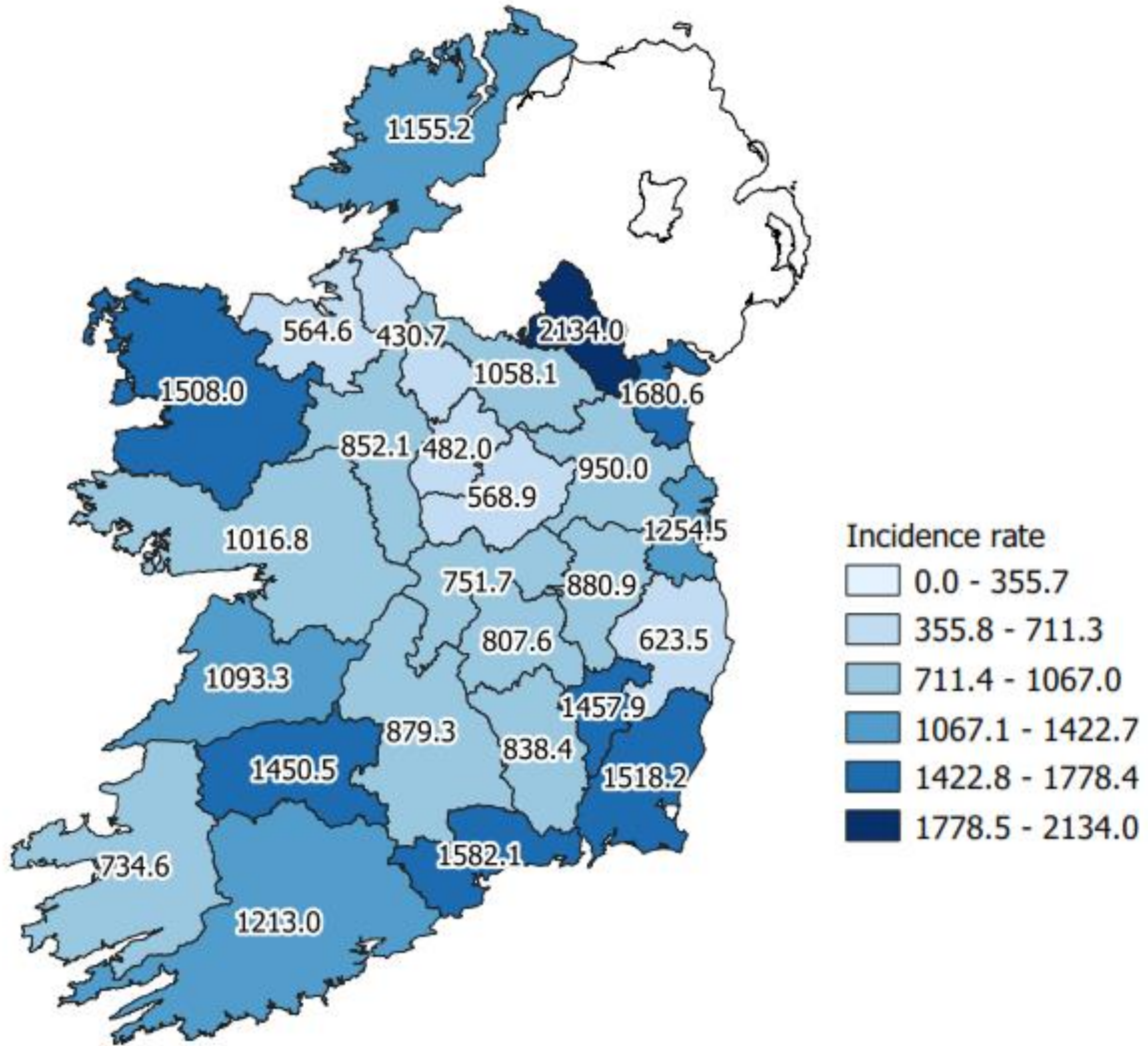
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 07/01/2021 to midnight 20/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	4,461	1140.1
CHO2	5142	1134.8
CHO3	4703	1221.6
CHO4	7,670	1110.7
CHO5	6,593	1291.9
CHO6	4055	1058.3
CHO7	7,119	1005.9
CHO8	5,999	968.7
CHO9	8,574	1379.8
Unknown	2	
<b>Total</b>	<b>54,318</b>	<b>1140.7</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 07/01/2021 to midnight 20/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1310	2134.0
Louth	2166	1680.6
Waterford	1838	1582.1
Wexford	2273	1518.1
Mayo	1968	1508.0
Carlow	830	1457.9
Limerick	2827	1450.5
Dublin	16902	1254.5
Cork	6585	1213.0
Donegal	1839	1155.2
Clare	1299	1093.3
Cavan	806	1058.1
Galway	2624	1016.8
Meath	1853	950.0
Kildare	1960	880.9
Tipperary	1403	879.3
Roscommon	550	852.1
Kilkenny	832	838.4
Laois	684	807.6
Offaly	586	751.7
Kerry	1085	734.6
Wicklow	888	623.5
Westmeath	505	568.9
Sligo	370	564.6
Longford	197	482.0
Leitrim	138	430.7
<b>Total</b>	<b>54,318</b>	<b>1140.7</b>



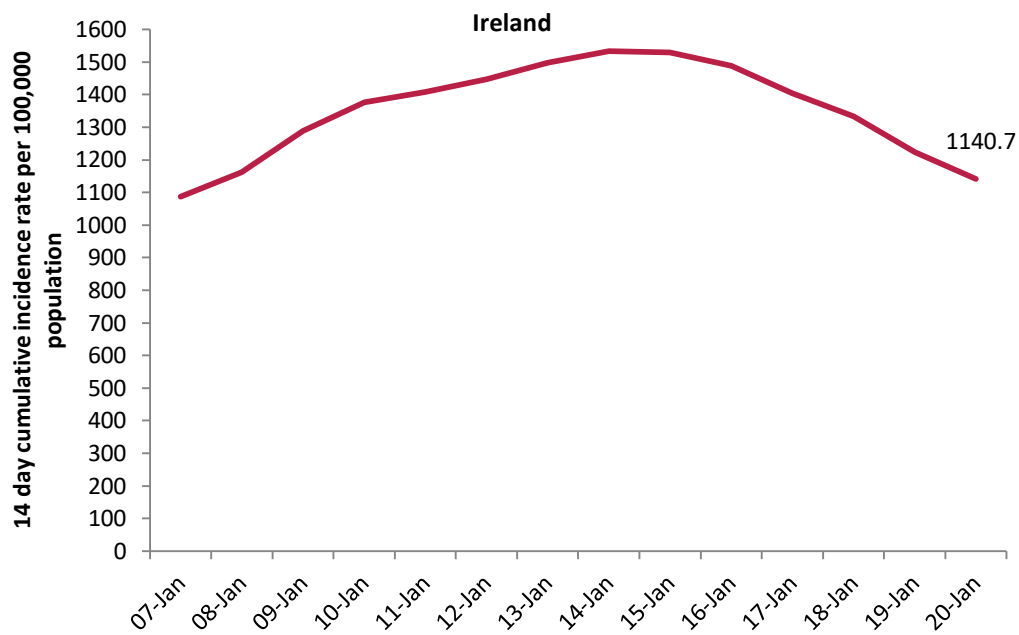
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/01/2021 and 20/01/2021**

*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 07/01/2021 and 20/01/2021**

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	1038	762.8
CCA2	Dublin South East	2158	1744.5
CCA3	Dublin South City	1335	890.4
CCA4	Dublin South West	1760	1093.9
CCA5	Dublin West	2035	1310.0
CCA6	Dublin North West	3398	1636.2
CCA7	Dublin North Central	2431	1572.6
CCA8	Dublin North	2745	1059.2
	Unknown	2	
	<b>Dublin</b>	<b>16902</b>	<b>1254.5</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 (07/01/2021 to 20/01/2021)**

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 07/01/2021 to midnight 20/01/2021**

Most likely transmission source	Number of cases	Percent
Travel related	185	0.34%
Close contact with a known confirmed case	16924	31.16%
Healthcare setting acquired: patient	2023	3.72%
Healthcare setting acquired: staff	2035	3.75%
Community transmission	8039	14.80%
Under investigation	25112	46.23%
<b>Total cases with known most likely transmission source</b>	<b>29206</b>	<b>53.77%</b>
<b>Total</b>	<b>54318</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 07/01/2021 to midnight 20/01/2021 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	1037	22	0.83	2	1.31
5-12 yrs	1735	12	0.45	0	0
13-18 yrs	3087	30	1.14	0	0
19-24 yrs	6455	90	3.41	0	0
25-34 yrs	9715	165	6.25	6	3.92
35-44 yrs	9070	204	7.72	8	5.23
45-54 yrs	8840	261	9.88	31	20.26
55-64 yrs	6877	364	13.78	40	26.14
65-74 yrs	3313	447	16.93	39	25.49
75-84 yrs	2411	621	23.51	23	15.03
85+ yrs	1732	425	16.09	4	2.61
Unknown	46			0	0
<b>Total</b>	<b>54,318</b>	<b>2641</b>	<b>100</b>	<b>153</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 07/01/2021 up to midnight 20/01/2021

	Number	Percent
Total number of deaths	272	
Total number of cases hospitalised	143	52.57
Cases admitted to ICU	11	4.04
Cases not admitted to ICU	132	48.53
Total number of imported cases	0	
Number with underlying clinical conditions	114	41.91
Total number of male cases	157	57.72
M:F ratio	1.37	
Median age (years)	82	
Mean age (years)	81	
Age range (years)	41 - 103	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 07/01/2021 up to midnight 20/01/2021

Age group (years)	Female	Male	Total	Percent
35-54 yrs	*	*	6	2.21
55-64 yrs	4	10	14	5.15
65-74 yrs	15	28	43	15.81
75-84 yrs	35	72	107	39.34
85+ yrs	60	42	102	37.5
<b>Total</b>	<b>115</b>	<b>157</b>	<b>272</b>	<b>100</b>
<b>Percent</b>	<b>42.28</b>	<b>57.72</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 09:55 on 21/01/2021. 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.

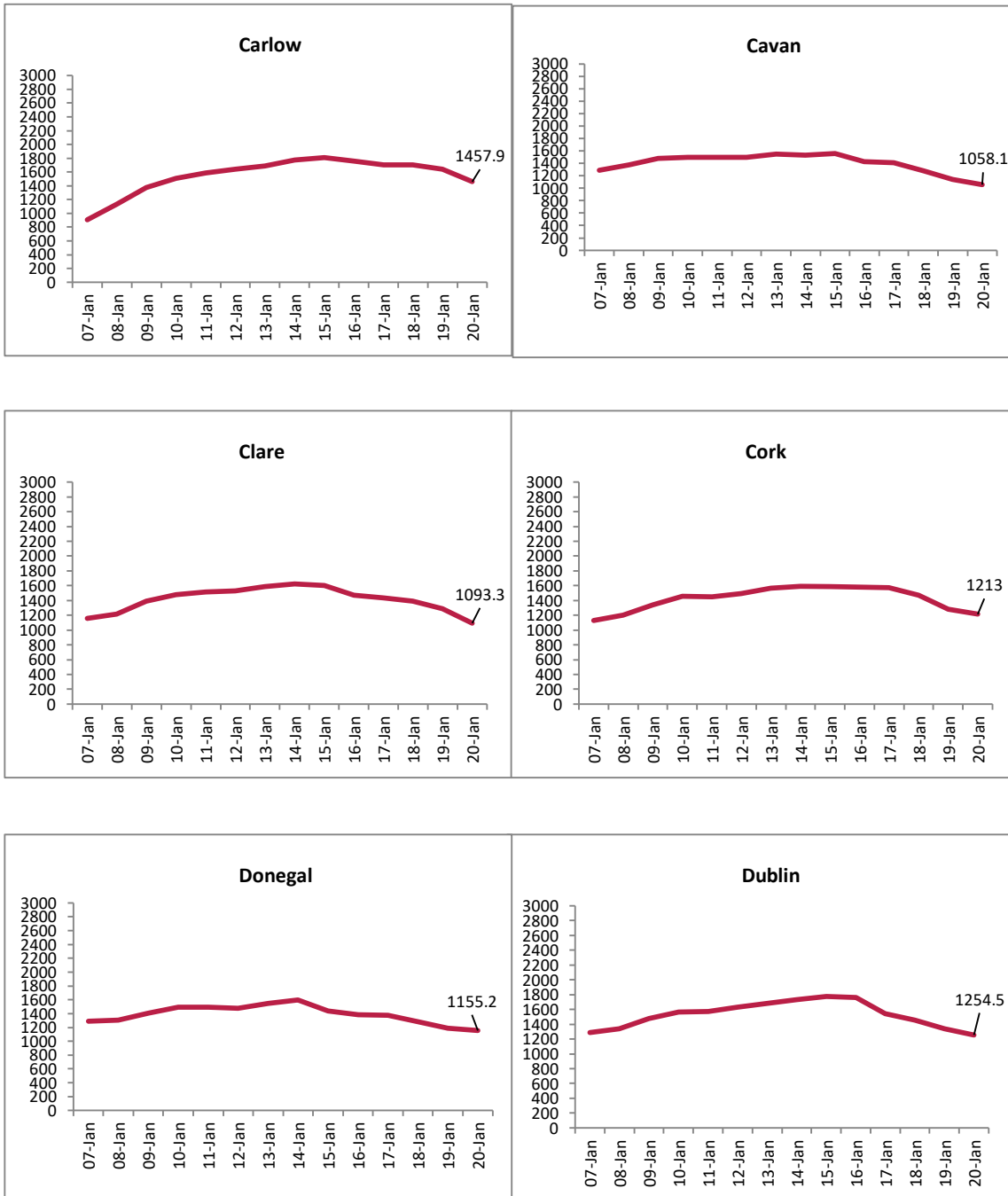
### 5. Outbreak location

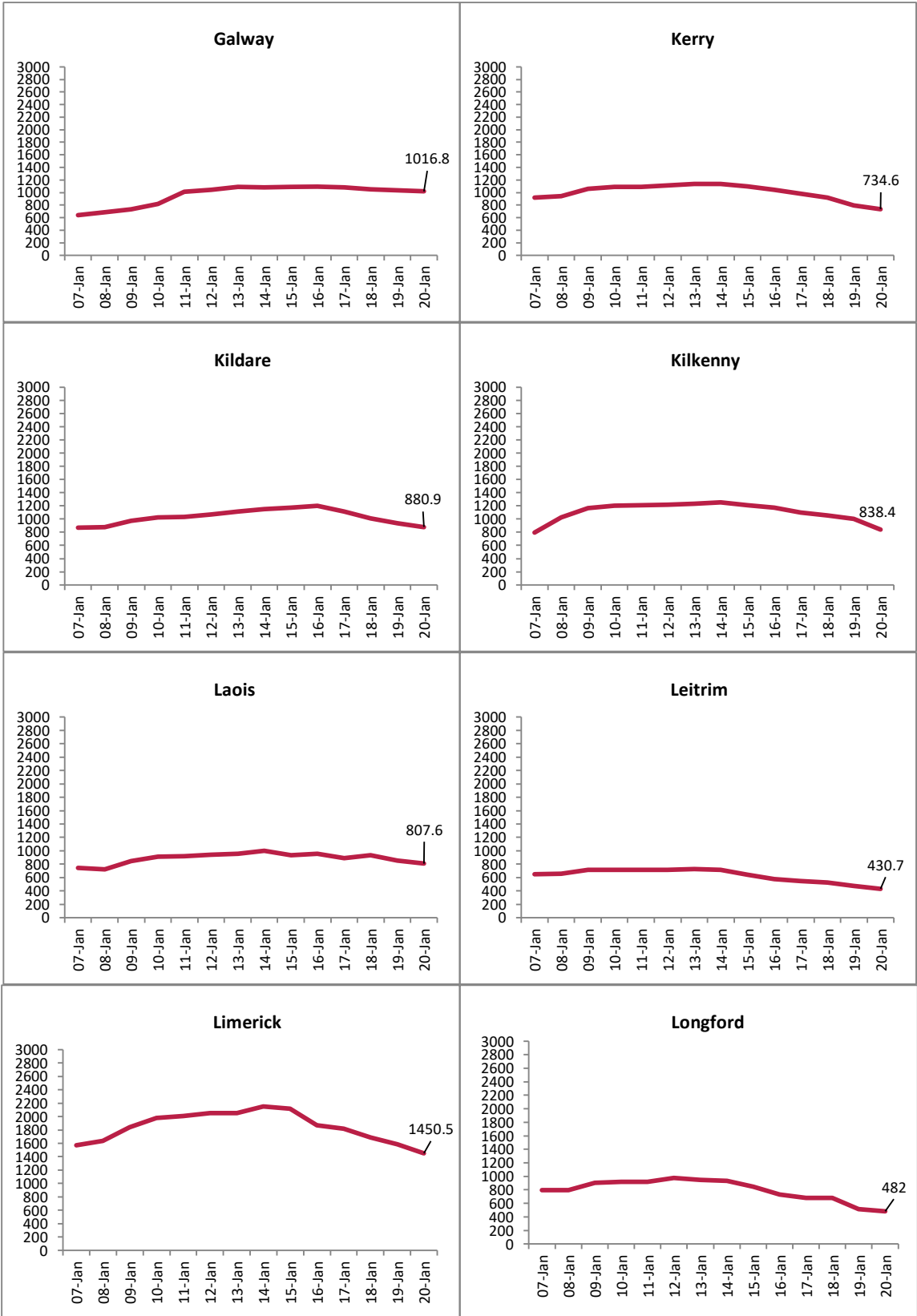
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

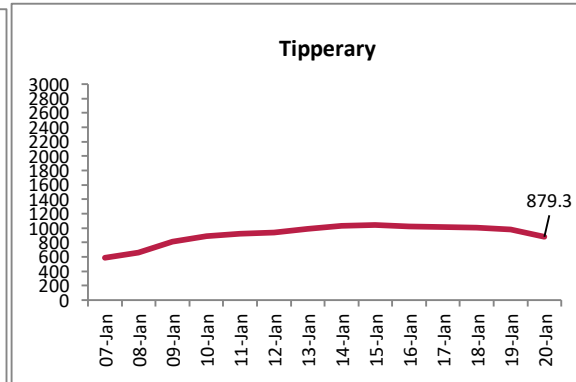
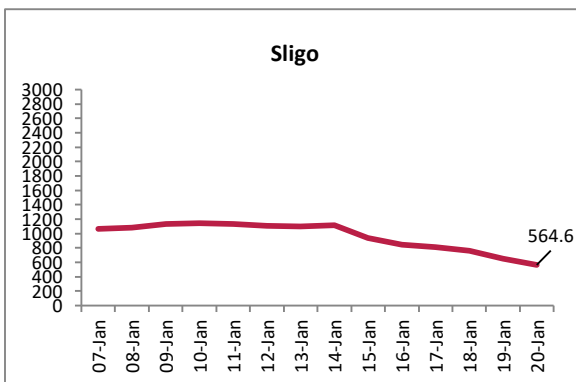
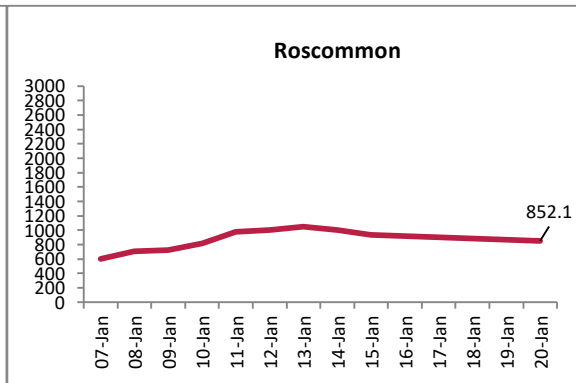
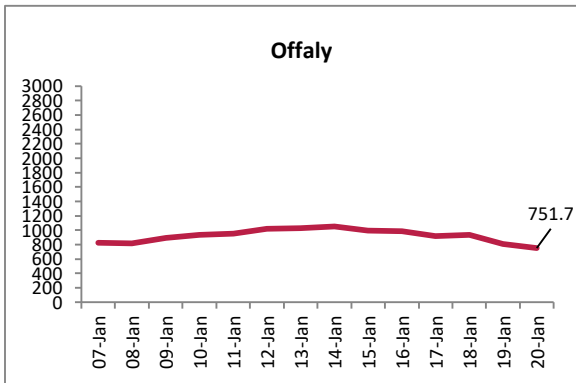
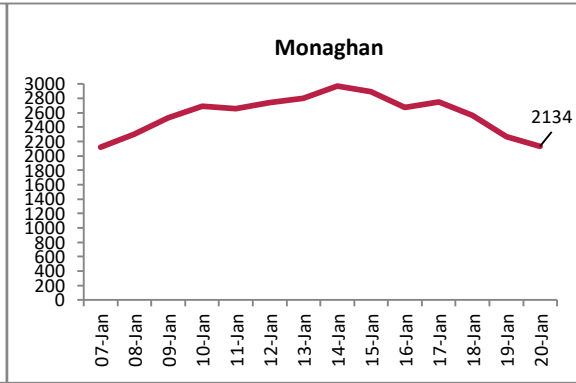
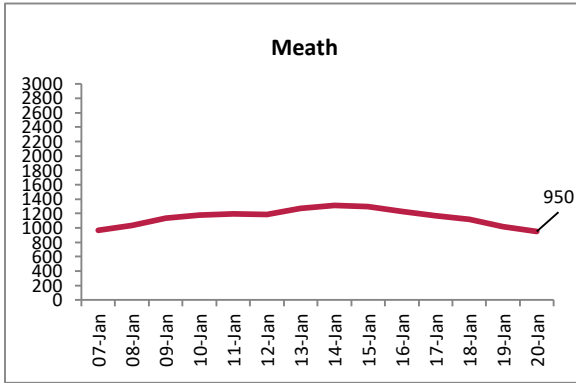
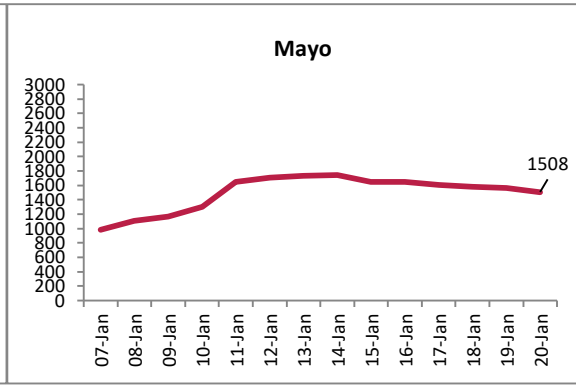
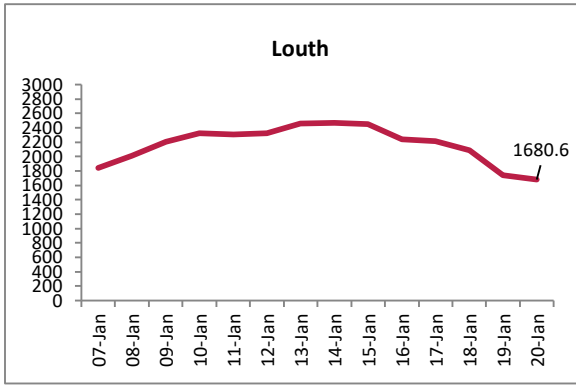
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (07/01/2021 to 20/01/2021)







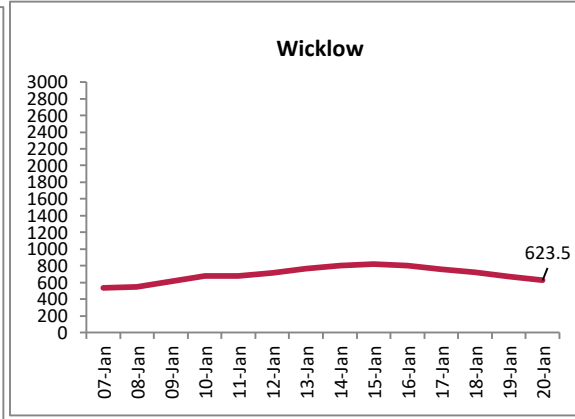
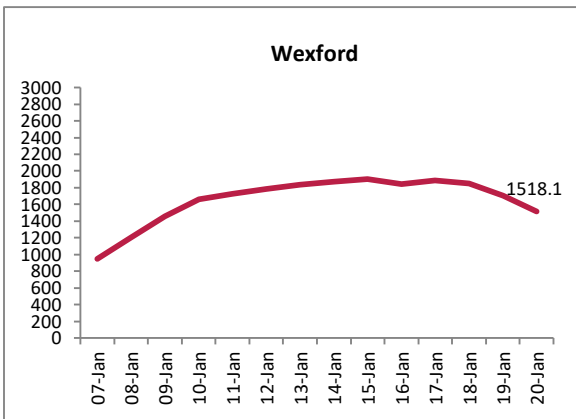
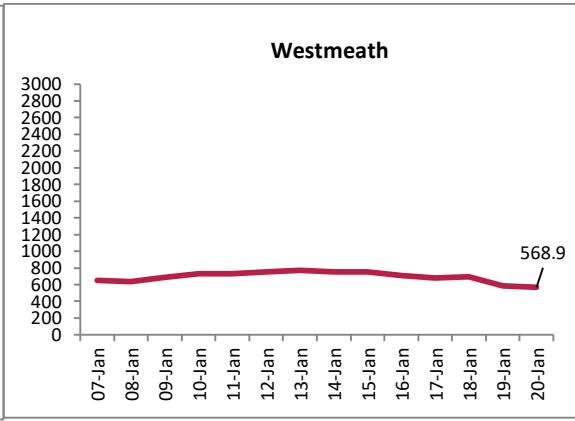
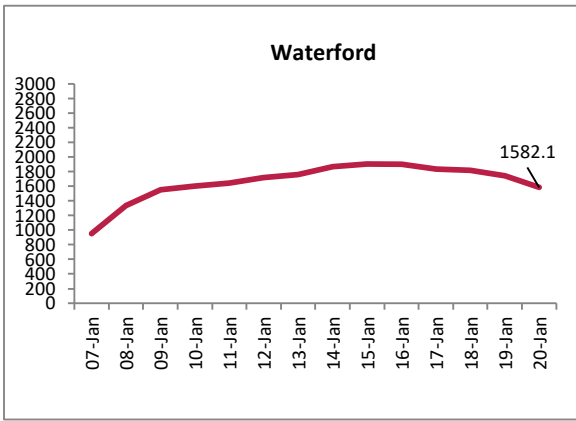


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (07/01/2021 to 20/01/2021)

