



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/01/2021 up to midnight 19/01/2021

	Number	Percent
Total number of confirmed cases	58,227	
National incidence of confirmed cases per 100,000 population	1,222.78	
Number of cases hospitalised*	2,685	4.61
Number of cases admitted to ICU*	163	0.28
Number of deaths among confirmed cases	274	0.47
Case fatality ratio (CFR, %)	0.47	
National incidence of confirmed deaths per 100,000 population	5.75	
Number of cases** associated with clusters	3,668	6.3
Number of imported cases	11	0.02
Number of cases in healthcare workers	5,403	9.28
Males	27,050	46.46
Females	31,143	53.49
M:F ratio	0.87	
Median age (years)	40	
Mean age (years)	41	
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
06/01/2021 - 19/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 12:00 on 20/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

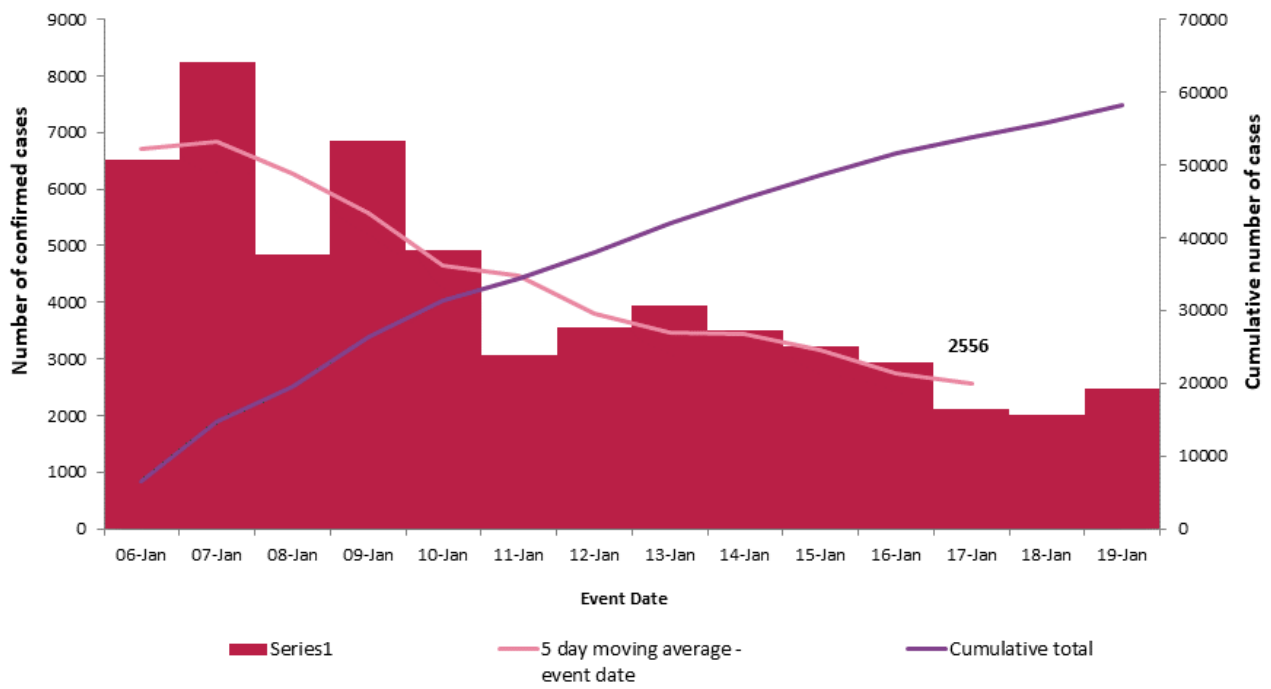


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=58,227)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/01/2021 up to midnight on 19/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		58,227	100
Sex	Male:Female ratio	0.87	
	Male	27,050	46.46
	Female	31,143	53.49
	Unknown	34	0.06
Age	Median age (years)	40	
	Mean age (years)	41	
	Age range (years)	0 - 104	
	0-4 yrs	1,111	1.91
	5-12 yrs	1,880	3.23
	13-18 yrs	3,348	5.75
	19-24 yrs	7,143	12.27
	25-34 yrs	10,547	18.11
	35-44 yrs	9,712	16.68
	45-54 yrs	9,357	16.07
	55-64 yrs	7,382	12.68
	65-74 yrs	3,508	6.02
	75-84 yrs	2,434	4.18
	85+ yrs	1,759	3.02
	Unknown	46	0.08
Underlying clinical conditions	Yes	2,421	4.16
	No	44,801	76.94
	Unknown	11,005	18.9
Symptom status at time of test*	Yes	41,117	70.62
	No	5,429	9.32
	Unknown	11,681	20.06

*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 06/01/2021 to midnight 19/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	4,731	1209.1
CHO2	5270	1163.1
CHO3	5260	1366.2
CHO4	8,127	1176.8
CHO5	7,430	1455.9
CHO6	4365	1139.2
CHO7	7,656	1081.8
CHO8	6,315	1019.7
CHO9	9,073	1460.1
Unknown	0	
Total	58,227	1222.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 06/01/2021 to midnight 19/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1390	2264.4
Waterford	2082	1792.1
Louth	2245	1741.9
Wexford	2538	1695.1
Carlow	914	1605.4
Limerick	3107	1594.2
Mayo	2023	1550.1
Dublin	18060	1340.4
Clare	1527	1285.2
Cork	6951	1280.4
Donegal	1894	1189.8
Cavan	869	1140.8
Galway	2688	1041.6
Meath	1975	1012.6
Kilkenny	983	990.6
Tipperary	1549	970.8
Kildare	2078	933.9
Roscommon	559	866.1
Laois	721	851.3
Offaly	629	806.8
Kerry	1176	796.2
Wicklow	956	671.2
Sligo	430	656.1
Westmeath	522	588.0
Longford	211	516.2
Leitrim	150	468.1
Total	58,227	1222.8

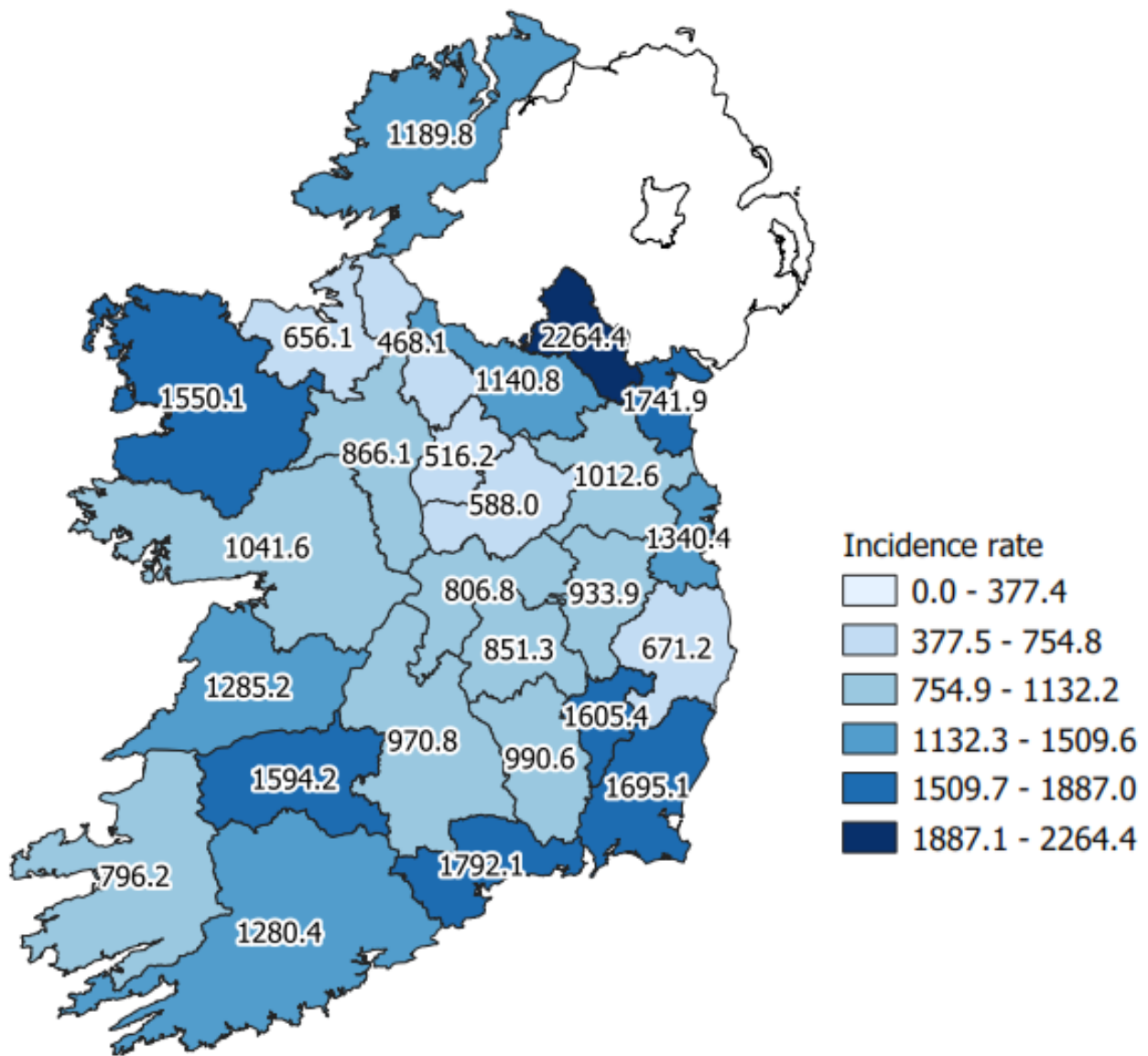


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/01/2021 and 19/01/2021

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 06/01/2021 and 19/01/2021

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	1139	837.0
CCA2	Dublin South East	2300	1859.3
CCA3	Dublin South City	1446	964.4
CCA4	Dublin South West	1953	1213.8
CCA5	Dublin West	2149	1383.4
CCA6	Dublin North West	3601	1734.0
CCA7	Dublin North Central	2544	1645.7
CCA8	Dublin North	2928	1129.8
	Unknown		
	Dublin	18060	1340.4

Note: Local health offices (LHOs) came into operation on 1st 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.

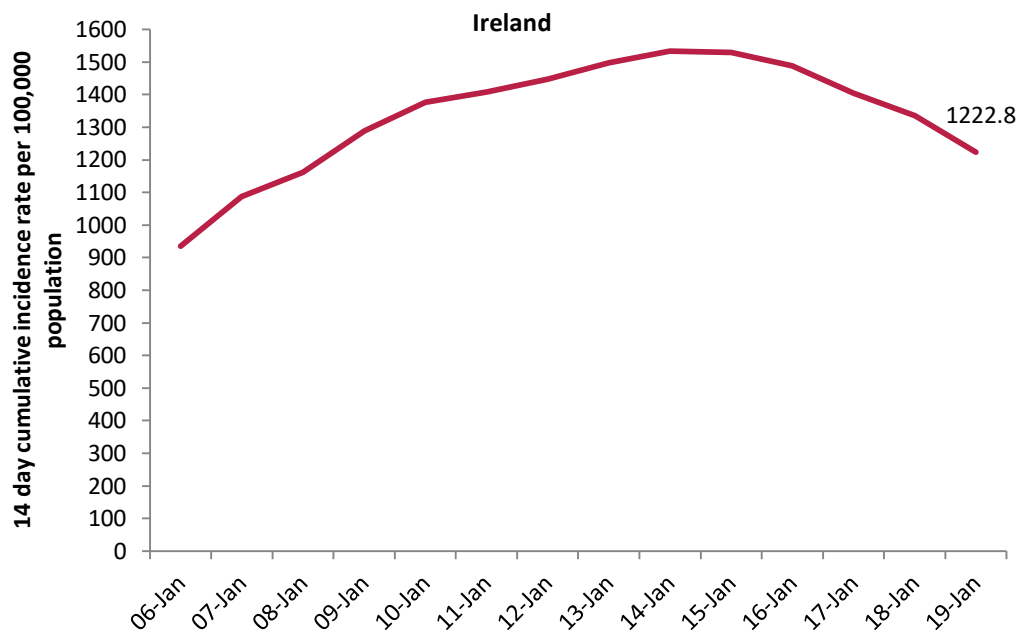


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (06/01/2021 to 19/01/2021)

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 06/01/2021 to midnight 19/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	168	0.29%
Close contact with a known confirmed case	17653	30.32%
Healthcare setting acquired: patient	1918	3.29%
Healthcare setting acquired: staff	1957	3.36%
Community transmission	8378	14.39%
Under investigation	28153	48.35%
Total cases with known most likely transmission source	30074	
Total	58227	100.00%

*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 06/01/2021 to midnight 19/01/2021 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	1111	23	0.86	2	1.23
5-12 yrs	1880	12	0.45	0	0
13-18 yrs	3348	33	1.23	0	0
19-24 yrs	7143	89	3.31	0	0
25-34 yrs	10547	162	6.03	6	3.68
35-44 yrs	9712	202	7.52	8	4.91
45-54 yrs	9357	266	9.91	32	19.63
55-64 yrs	7382	363	13.52	45	27.61
65-74 yrs	3508	469	17.47	40	24.54
75-84 yrs	2434	625	23.28	23	14.11
85+ yrs	1759	441	16.42	7	4.29
Unknown	46			0	0
Total	58,227	2685	100	163	100

* 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 06/01/2021 up to midnight 19/01/2021

	Number	Percent
Total number of deaths	281	
Total number of cases hospitalised	142	50.53
Cases admitted to ICU	14	4.98
Cases not admitted to ICU	128	45.55
Total number of imported cases	0	
Number with underlying clinical conditions	113	40.21
Total number of male cases	166	59.07
M:F ratio	1.44	
Median age (years)	82	
Mean age (years)	80	
Age range (years)	25 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 06/01/2021 up to midnight 19/01/2021

Age group (years)	Female	Male	Total	Percent
25-54 yrs	*	*	8	2.86
55-64 yrs	5	9	14	4.98
65-74 yrs	16	27	43	15.3
75-84 yrs	36	72	108	38.43
85+ yrs	56	52	108	38.43
Total	115	166	281	100
Percent	40.93	59.07		

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 12:00 on 20/01/2021. 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 ≥ 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.

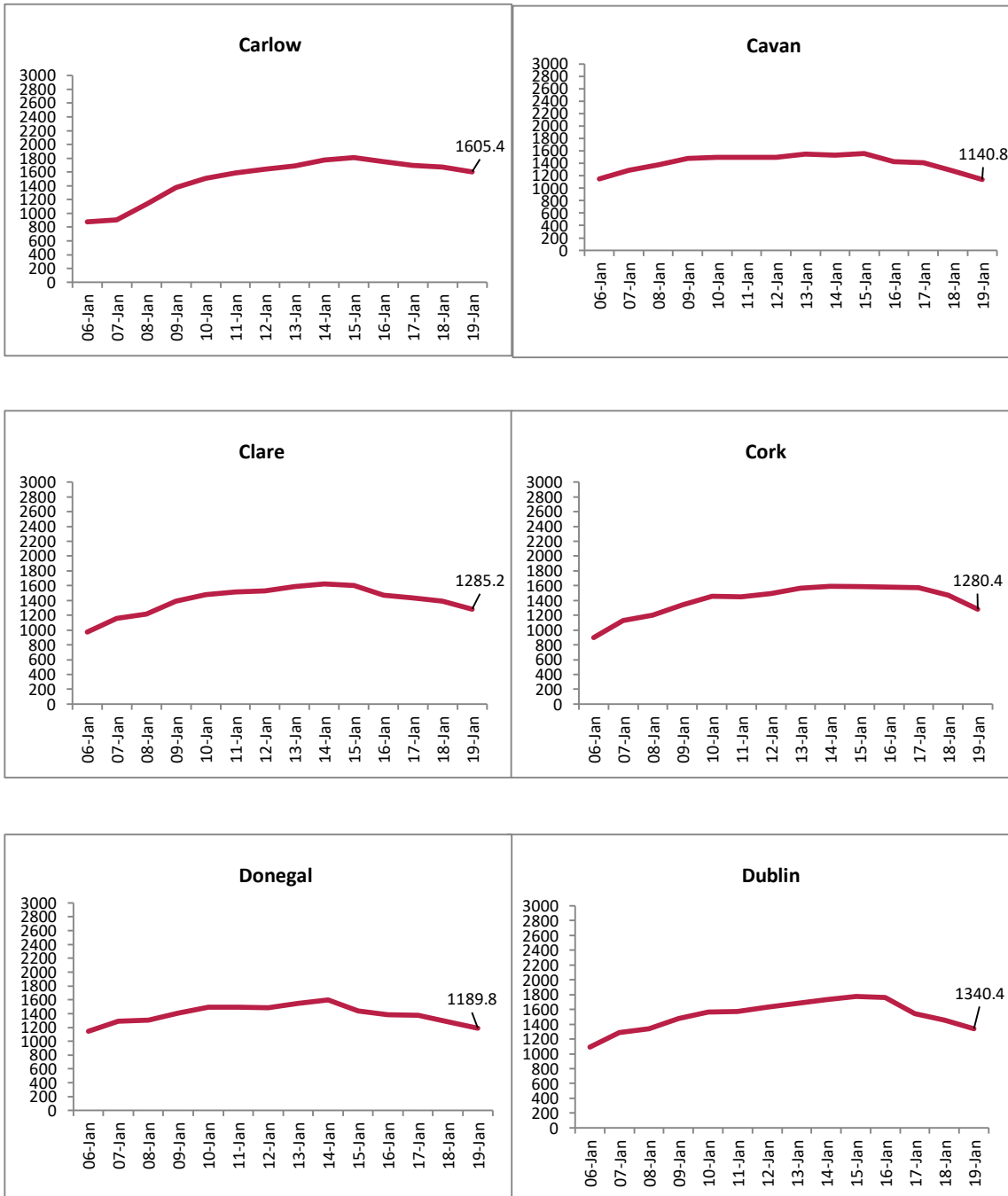
5. Outbreak location

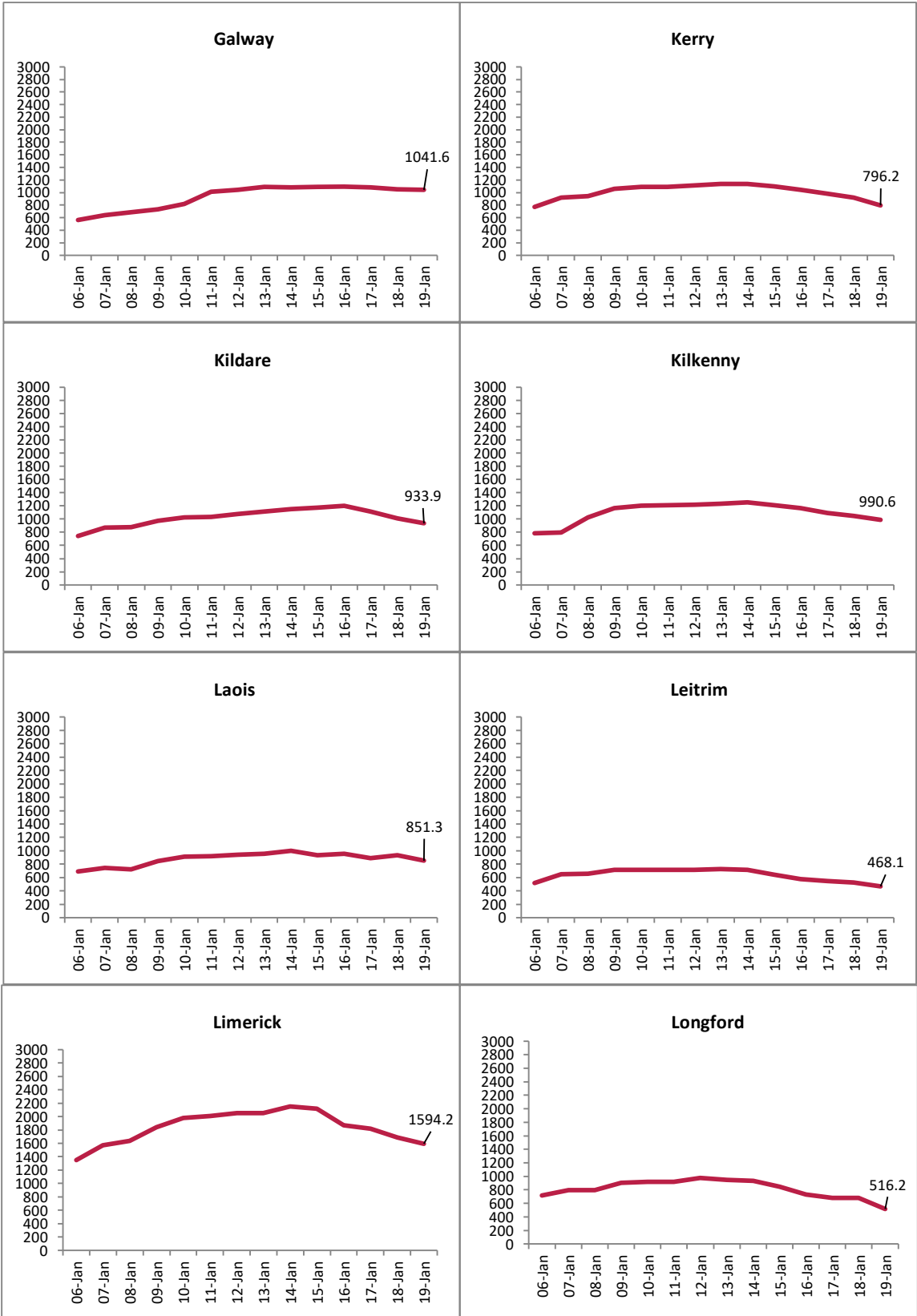
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

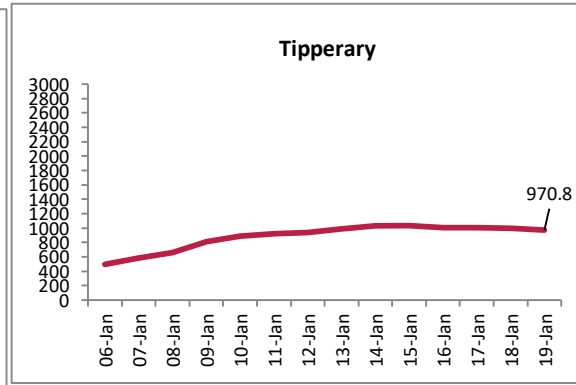
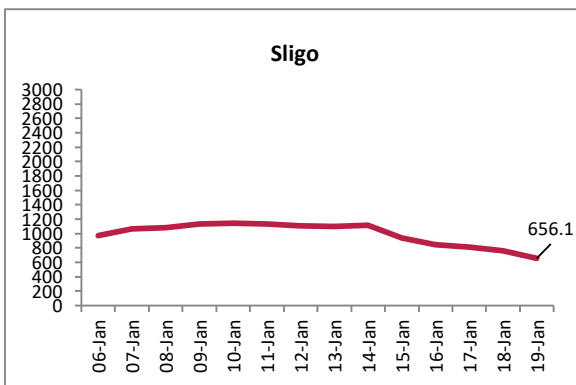
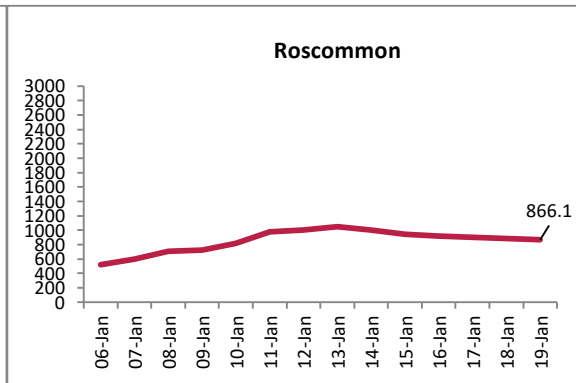
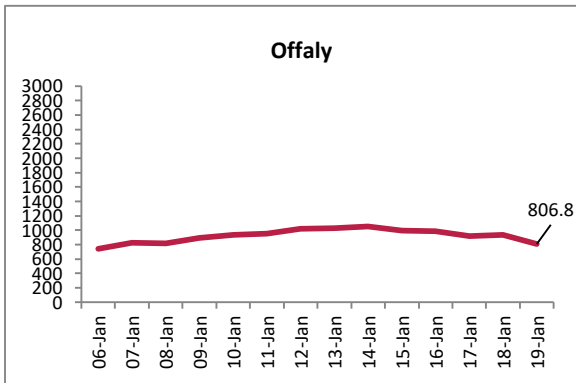
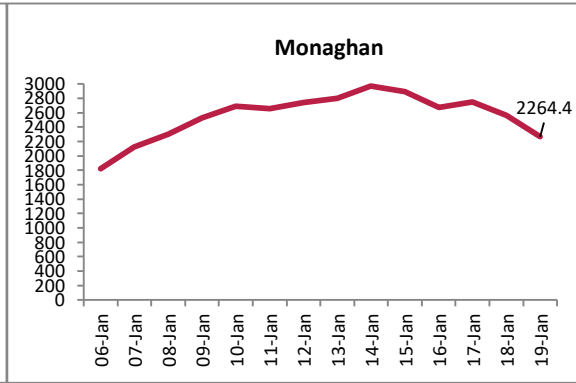
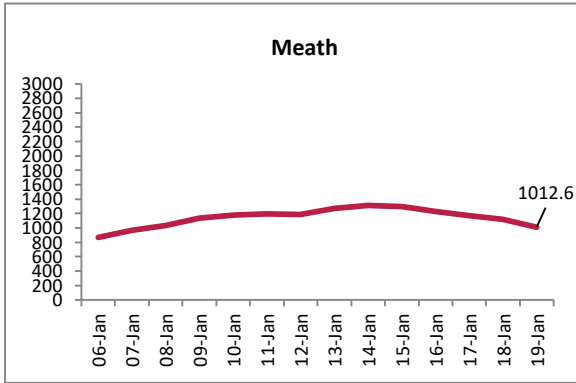
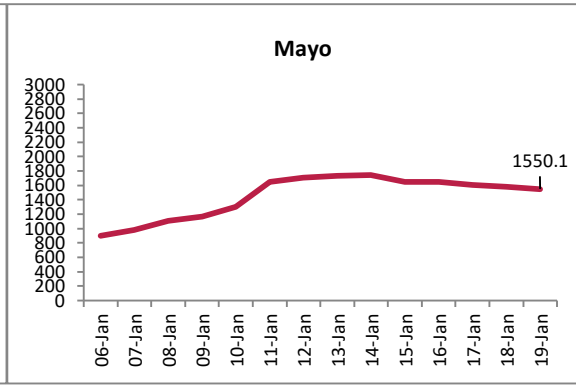
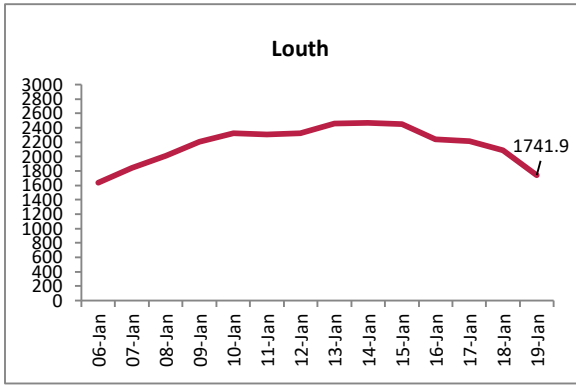
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (06/01/2021 to 19/01/2021)







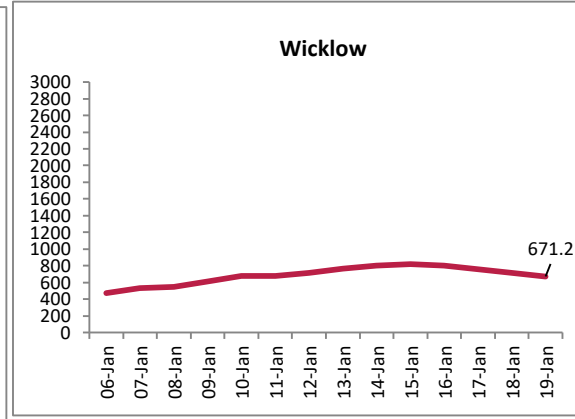
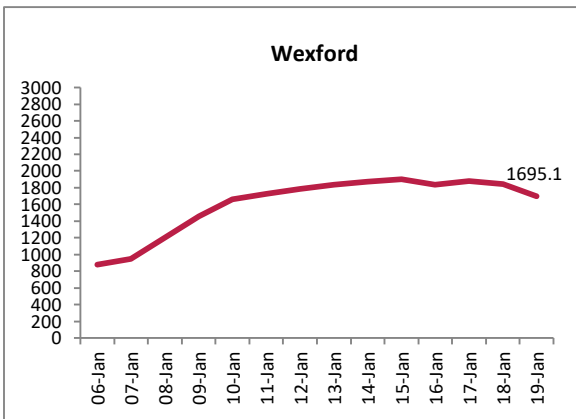
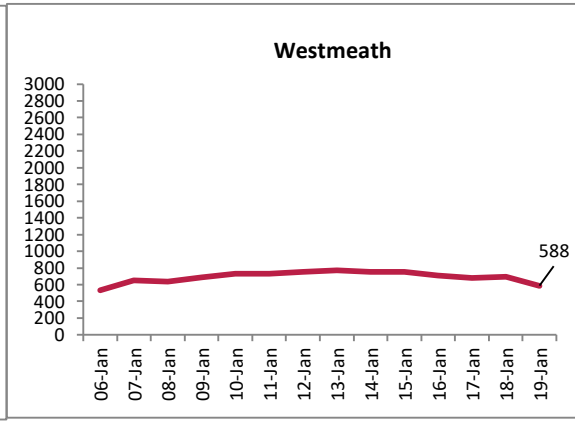
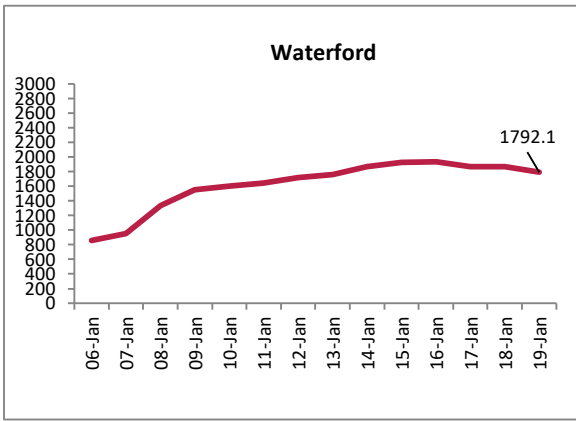


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (06/01/2021 to 19/01/2021)

