



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/12/2020 up to midnight 08/01/2021

	Number	Percent
Total number of confirmed cases	55,344	
National incidence of confirmed cases per 100,000 population	1,162.23	
Number of cases hospitalised*	1,177	2.13
Number of cases admitted to ICU*	69	0.12
Number of deaths among confirmed cases	64	0.12
Case fatality ratio (CFR, %)	0.12	
National incidence of confirmed deaths per 100,000 population	1.34	
Males	26,470	47.83
Females	28,743	51.94
M:F ratio	0.92	
Median age (years)	36	
Mean age (years)	39	
Age range (years)	0 - 103	

* 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

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:00 on 09/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Note 2: Due to the surge in COVID-19 cases in recent days, the availability of surveillance data is limited. Consequently, HPSC is currently producing an abridged version of the 14 day report

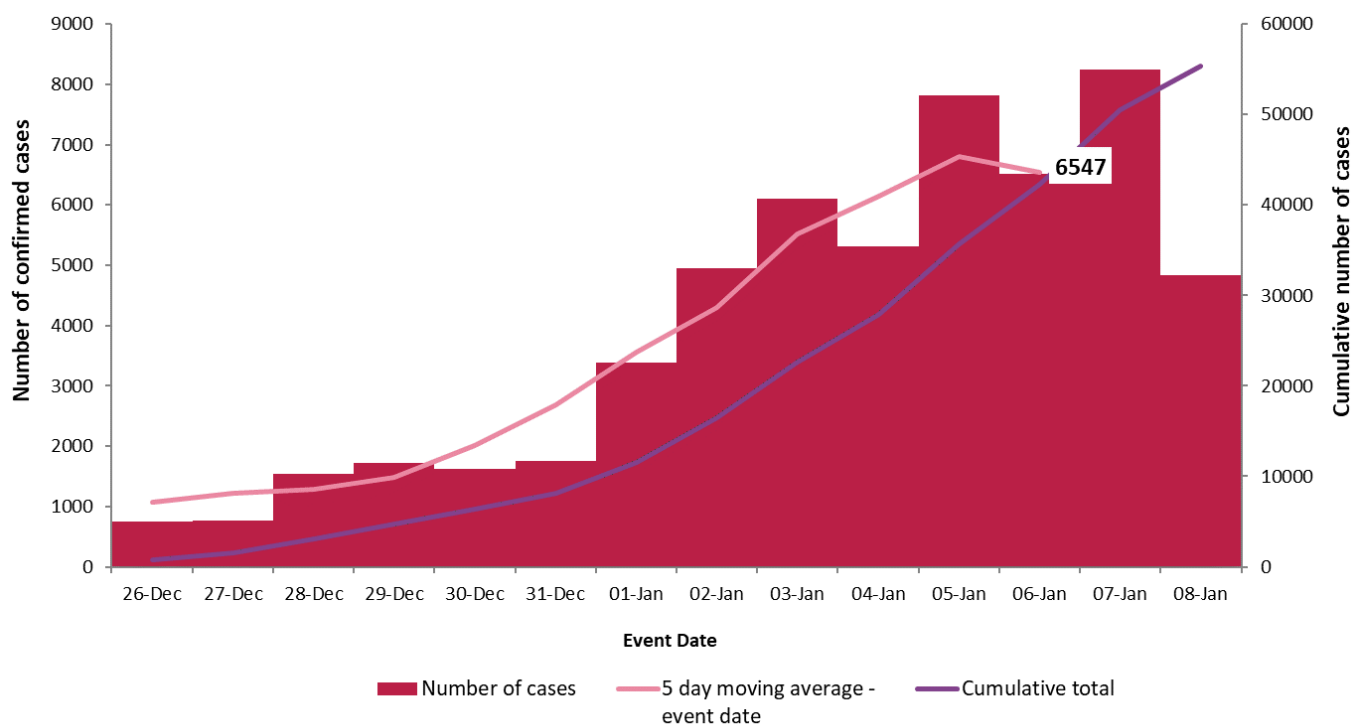


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=55,344)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/12/2020 up to midnight on 08/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		55,344	100
Sex	Male:Female ratio	0.92	
	Male	26,470	47.83
	Female	28,743	51.94
	Unknown	131	0.24
Age	Median age (years)	36	
	Mean age (years)	39	
	Age range (years)	0 - 103	
	0-4 yrs	1,169	2.11
	5-12 yrs	2,152	3.89
	13-18 yrs	3,345	6.04
	19-24 yrs	8,391	15.16
	25-34 yrs	11,111	20.08
	35-44 yrs	8,754	15.82
	45-54 yrs	8,144	14.72
	55-64 yrs	6,842	12.36
	65-74 yrs	3,029	5.47
	75-84 yrs	1,520	2.75
	85+ yrs	879	1.59
	Unknown	8	0.01

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 26/12/2020 to midnight 08/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	4,622	1181.2
CHO2	2963	653.9
CHO3	4196	1089.9
CHO4	6,058	877.2
CHO5	3,931	770.3
CHO6	3846	1003.7
CHO7	6,205	876.8
CHO8	5,766	931.1
CHO9	6,973	1122.1
Unknown	30	
Total	55,344	1162.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 26/12/2020 to midnight 08/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1410	2296.9
Louth	2589	2008.8
Limerick	3237	1660.9
Waterford	1611	1386.7
Cavan	1050	1378.4
Dublin	18064	1340.7
Donegal	2083	1308.5
Cork	6547	1206.0
Clare	1424	1198.5
Wexford	1784	1191.5
Mayo	1450	1111.1
Carlow	631	1108.3
Sligo	711	1084.9
Meath	2016	1033.6
Kilkenny	1006	1013.8
Kerry	1402	949.2
Kildare	1947	875.0
Offaly	639	819.6
Longford	326	797.6
Laois	612	722.6
Roscommon	457	708.0
Galway	1777	688.6
Leitrim	209	652.2
Westmeath	568	639.9
Tipperary	1019	638.7
Wicklow	775	544.1
Total	55,344	1162.2

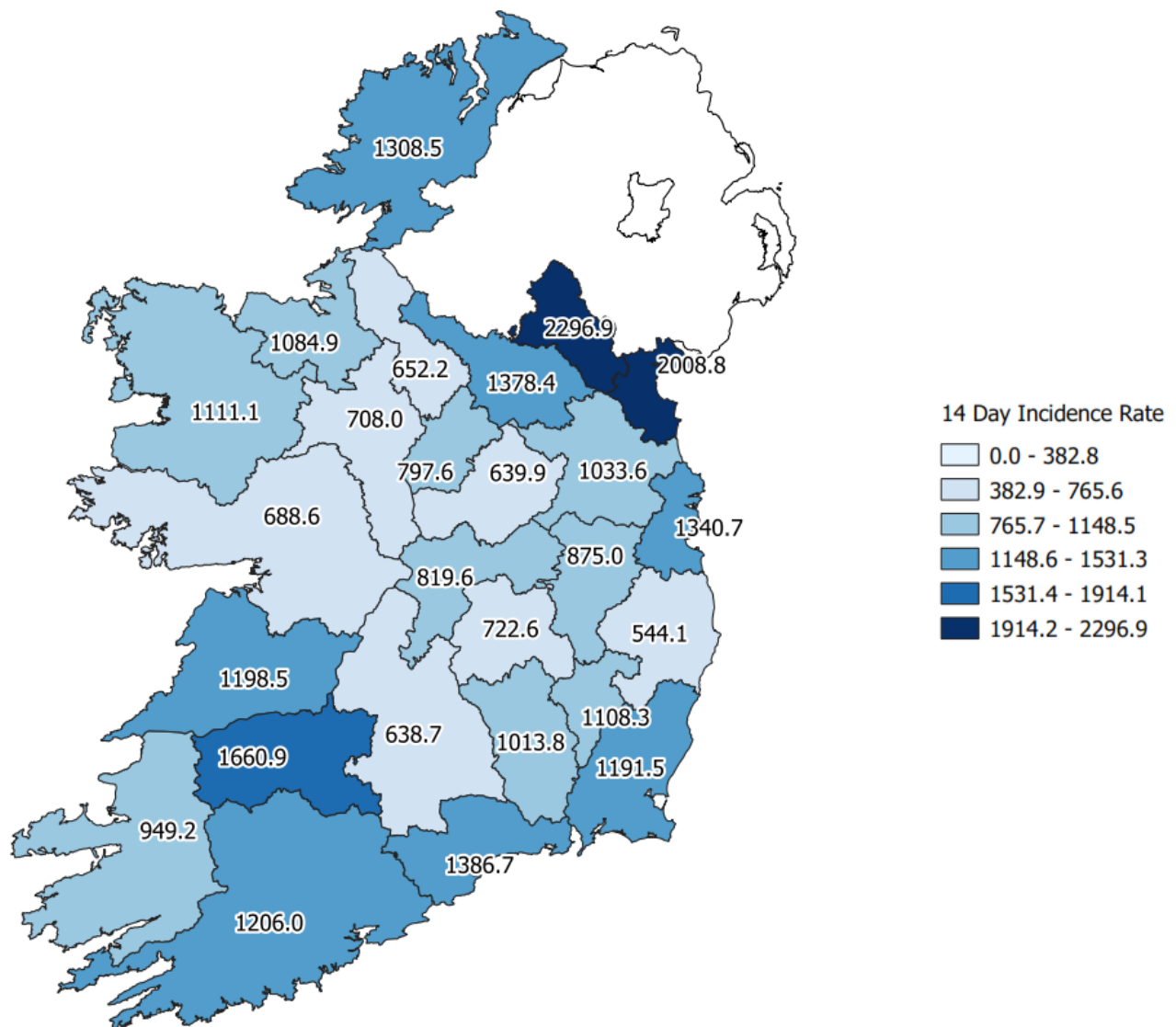


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/12/2020 and 08/01/2021

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 26/12/2020 and 08/01/2021

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	1244	914.2
CCA2	Dublin South East	2489	2012.1
CCA3	Dublin South City	1632	1088.5
CCA4	Dublin South West	1983	1232.5
CCA5	Dublin West	1871	1204.4
CCA6	Dublin North West	3320	1598.7
CCA7	Dublin North Central	2627	1699.4
CCA8	Dublin North	2885	1113.2
	Unknown	13	
	Dublin	18064	1340.7

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.

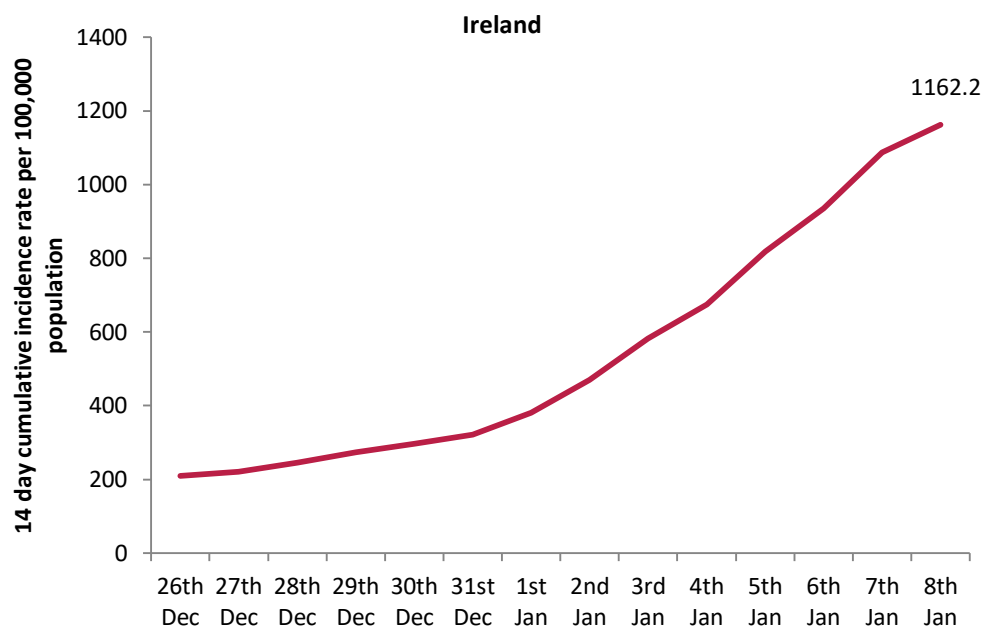


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (26/12/2020 to 08/01/2021)

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: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 24/12/2020 to midnight 06/01/2021 by age group, hospitalisation and ICU admission*

	0-4 yrs	5-12 yrs	13-18 yrs	19- 24 yrs	25-34 yrs	35-44 yrs	45-54 yrs	55-64 yrs	65- 74 yrs	75-84 yrs	85+ yrs	Unknown
Number of cases (n)	1169	2152	3345	8391	11111	8754	8144	6842	3029	1520	879	8
Cases hospitalised (n)	18	5	24	43	101	94	126	135	222	235	174	
Cases hospitalised (%)	1.5	0.2	0.7	0.5	0.9	1.1	1.5	2.0	7.3	15.5	19.8	
Cases admitted to ICU (n)	1	0	1	0	4	2	9	18	22	11	1	0
Cases admitted to ICU (%)	0.1	0	0.0	0	0.0	0.0	0.1	0.3	0.7	0.7	0.1	0
Deaths (n)	0	0	0	0	0	0	0	4	13	18	29	0
Case fatality ratio (%)	0	0	0	0	0	0	0	0.1	0.4	1.2	3.3	0

* 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 10:00 on 1/9/21. 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 ≥ 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.

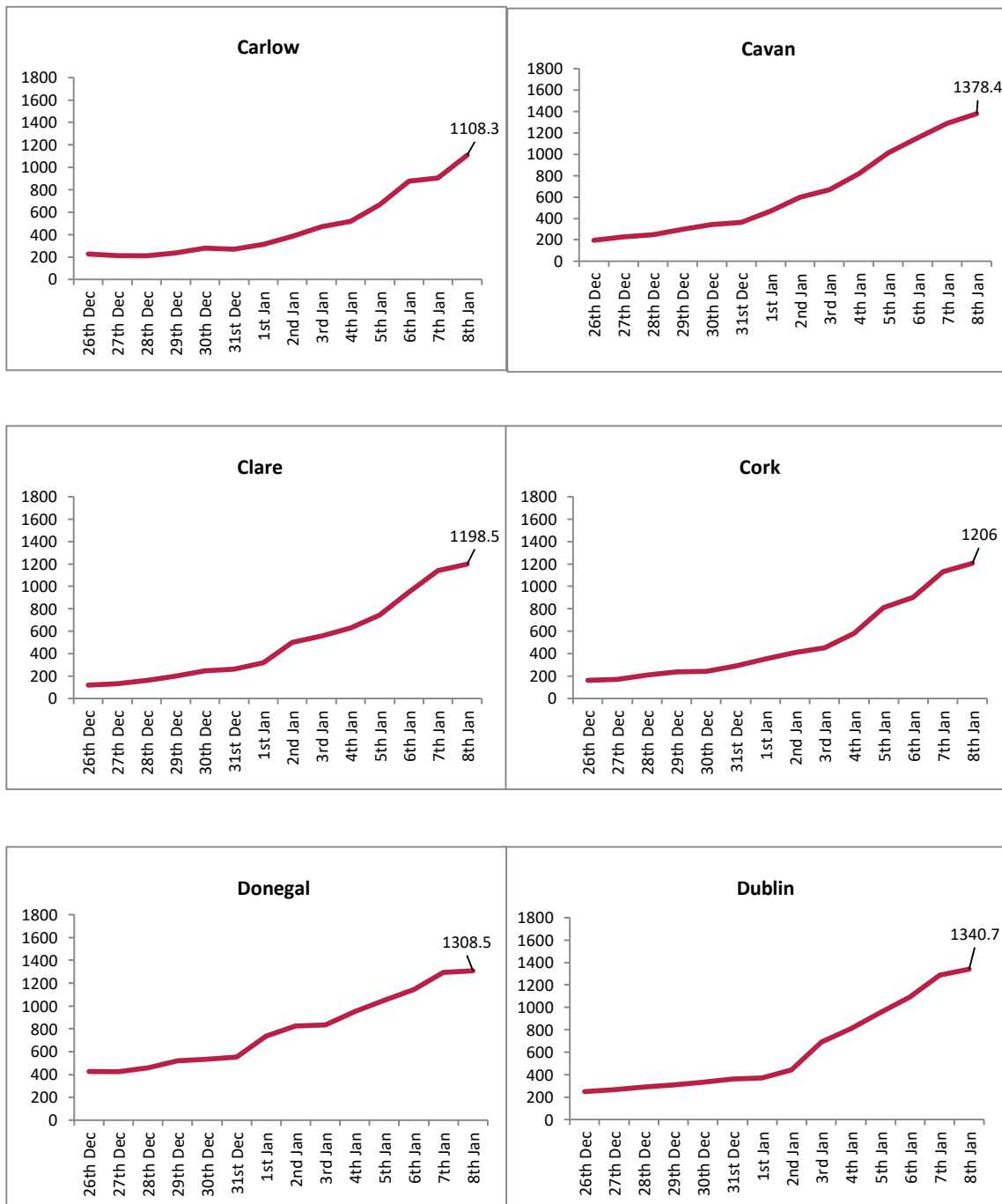
5. Outbreak location

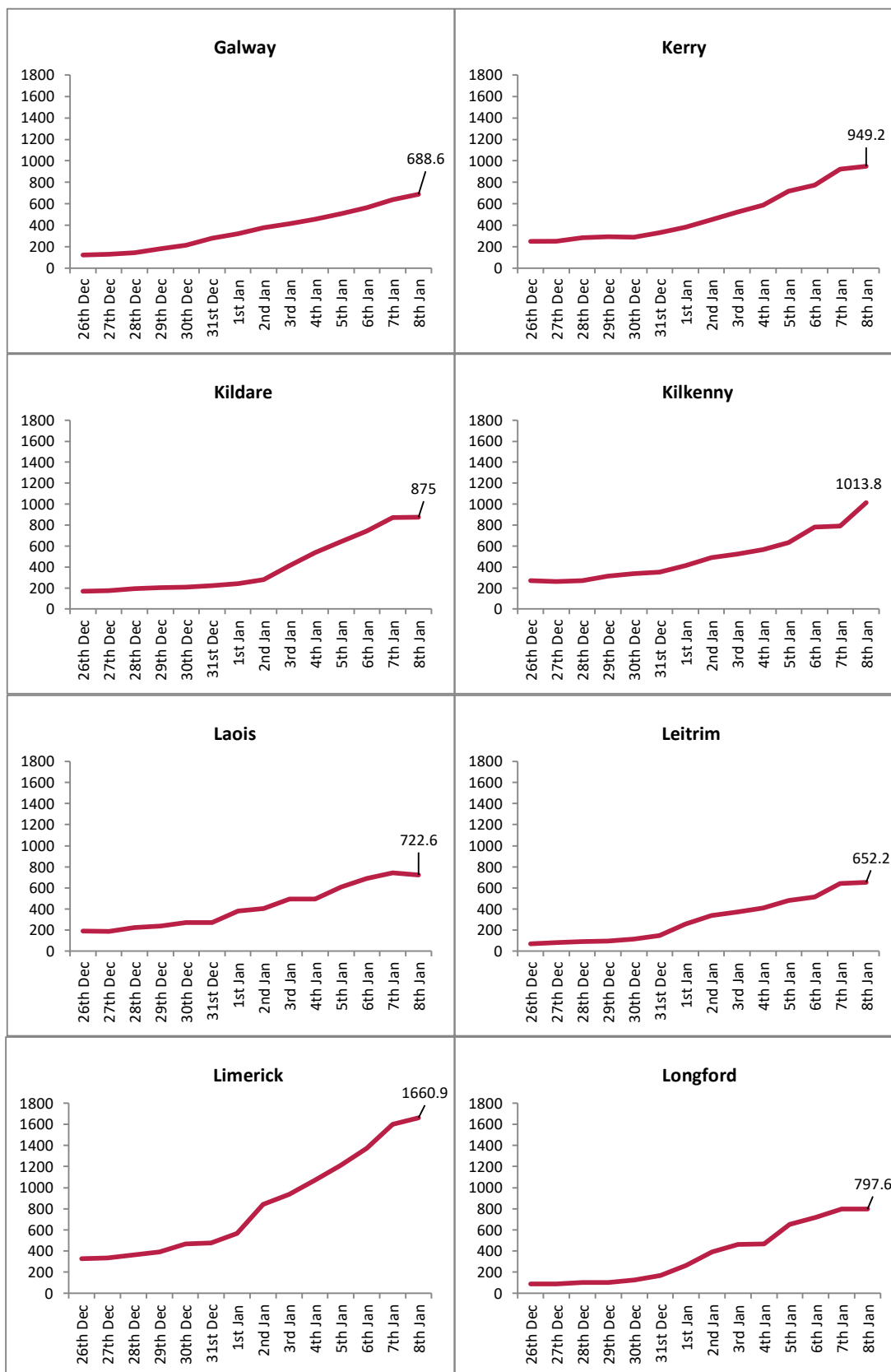
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

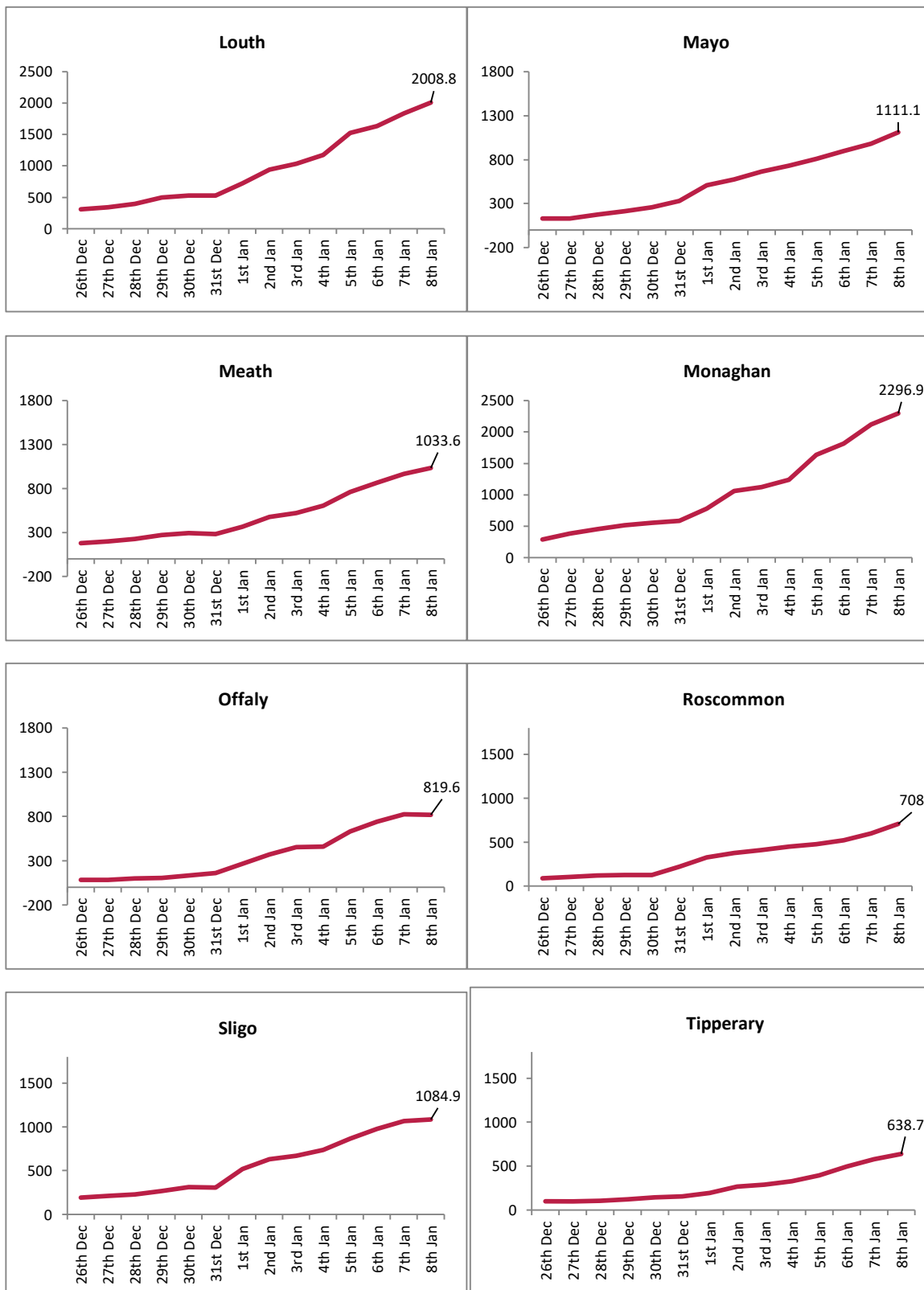
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (26/12/2020 to 08/01/2021)







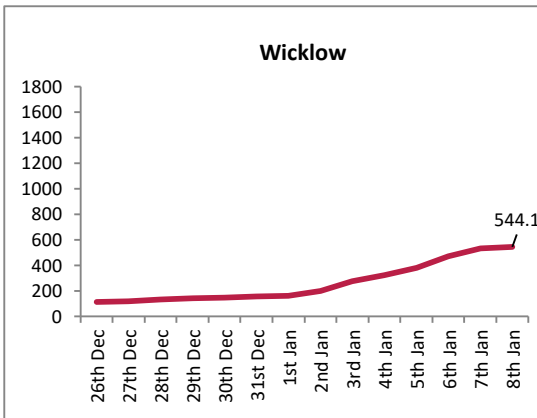
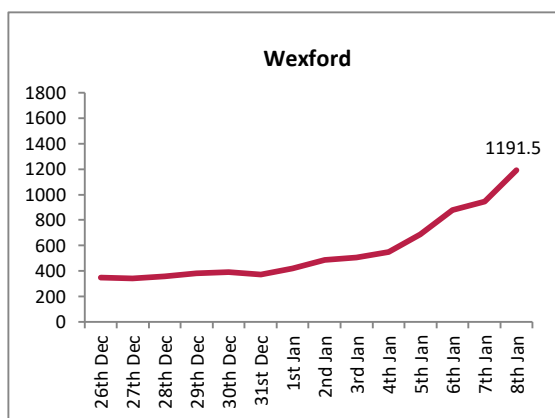
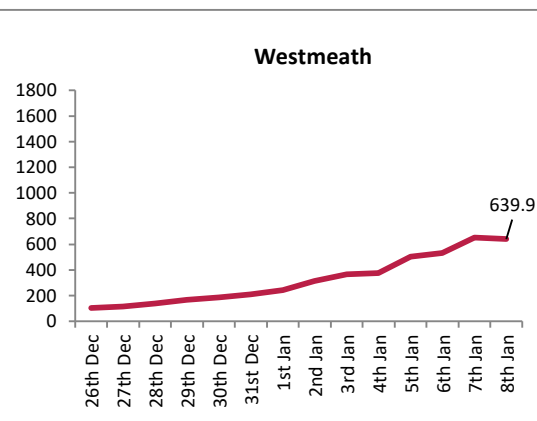
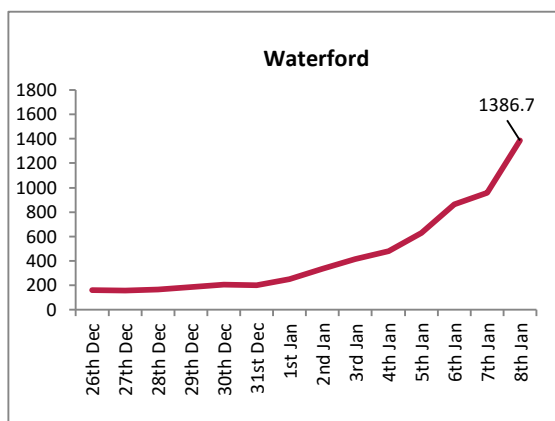


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (26/12/2020 to 08/01/2021)

