



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 10/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 27/12/2020 up to midnight 09/01/2021

	Number	Percent
Total number of confirmed cases	61,484	
National incidence of confirmed cases per 100,000 population	1,291.17	
Number of cases hospitalised*	1,354	2.2
Number of cases admitted to ICU*	67	0.11
Number of deaths among confirmed cases	66	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	1.39	
Males	29,332	47.71
Females	31,980	52.01
M:F ratio	0.92	
Median age (years)	36	
Mean age (years)	39	
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

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:24 on 10/01/2021 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.

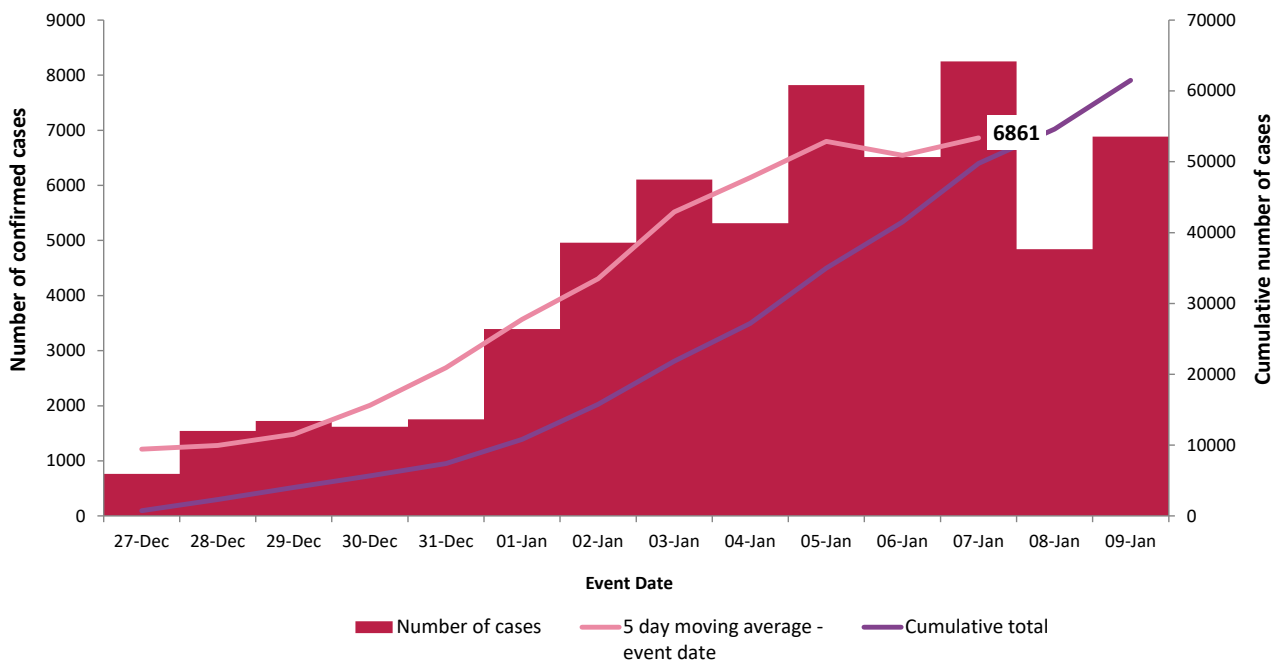


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=61,484)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 27/12/2020 up to midnight on 09/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		61,484	100
Sex	Male:Female ratio	0.92	
	Male	29,332	47.71
	Female	31,980	52.01
	Unknown	172	0.28
Age	Median age (years)	36	
	Mean age (years)	39	
	Age range (years)	0 - 104	
	0-4 yrs	1,280	2.08
	5-12 yrs	2,338	3.8
	13-18 yrs	3,758	6.11
	19-24 yrs	9,192	14.95
	25-34 yrs	12,244	19.91
	35-44 yrs	9,774	15.9
	45-54 yrs	9,165	14.91
	55-64 yrs	7,615	12.39
	65-74 yrs	3,383	5.5
	75-84 yrs	1,716	2.79
	85+ yrs	1,010	1.64
	Unknown	9	0.01

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 27/12/2020 to midnight 09/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	5882	1503.3
CHO2	3891	858.7
CHO3	5809	1508.8
CHO4	8851	1281.7
CHO5	6594	1292.1
CHO6	4943	1290.0
CHO7	8240	1164.3
CHO8	7490	1209.5
CHO9	9727	1565.3
Unknown	57	
Total	61,484	1291.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 27/12/2020 to midnight 09/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1550	2525.0
Louth	2837	2201.2
Limerick	3661	1878.4
Waterford	1911	1644.9
Cavan	1130	1483.4
Dublin	19906	1477.4
Wexford	2150	1436.0
Donegal	2243	1409.0
Clare	1613	1357.5
Cork	7278	1340.7
Carlow	740	1299.8
Mayo	1525	1168.5
Kilkenny	1152	1160.9
Meath	2221	1138.7
Sligo	742	1132.2
Kerry	1574	1065.6
Kildare	2161	971.2
Longford	369	902.8
Offaly	697	894.0
Laois	714	843.0
Tipperary	1237	775.3
Galway	1898	735.5
Roscommon	468	725.1
Leitrim	226	705.3
Westmeath	613	690.5
Wicklow	868	609.4
Total	61,484	1291.2

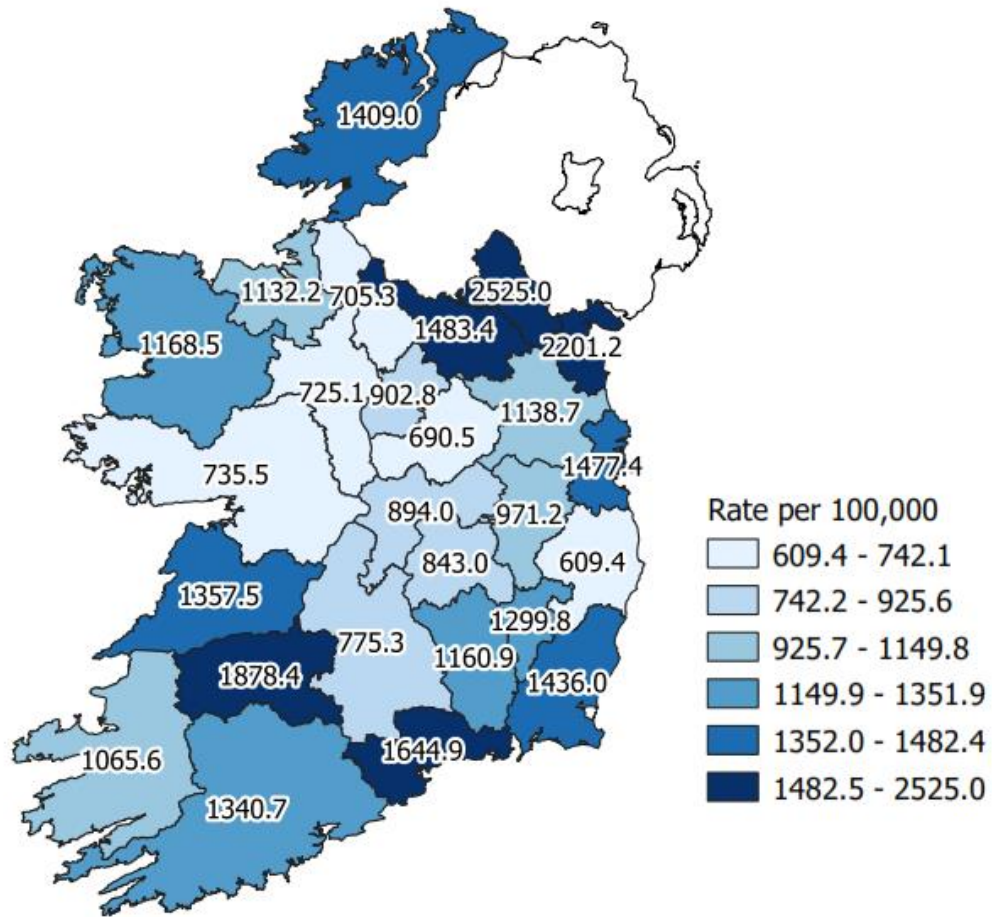


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/12/2020 and 09/01/2021

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 27/12/2020 and 09/01/2020

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	1366	1003.9
CCA2	Dublin South East	2736	2211.7
CCA3	Dublin South City	1760	1173.8
CCA4	Dublin South West	2173	1350.5
CCA5	Dublin West	2120	1364.7
CCA6	Dublin North West	3677	1770.6
CCA7	Dublin North Central	2886	1867.0
CCA8	Dublin North	3164	1220.9
	Unknown	24	
	Dublin	19906	1477.4

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.

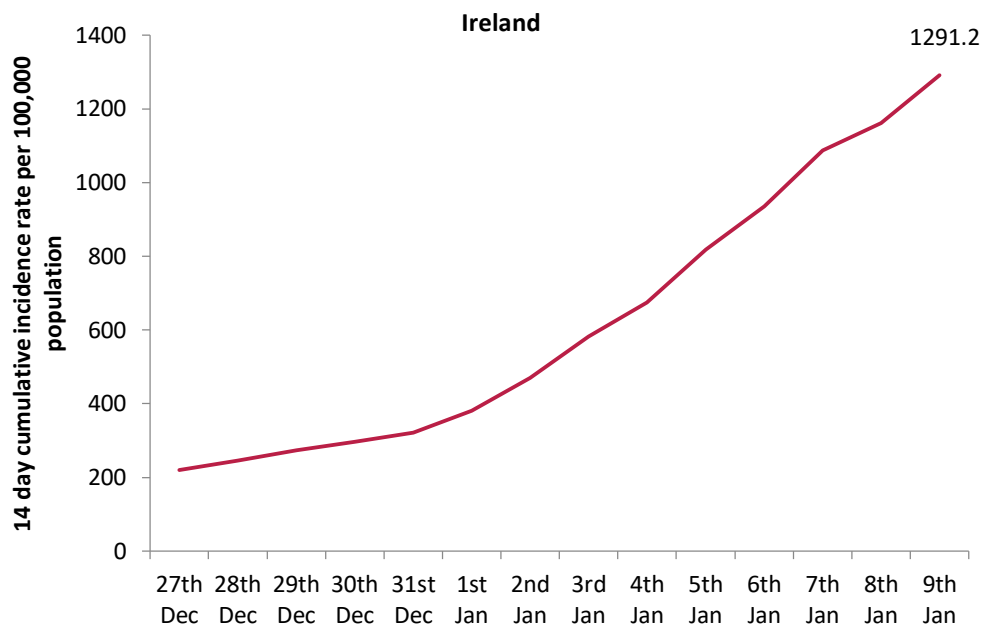


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (27/12/2020 to 09/01/2021)

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 and proportion of confirmed cases of COVID-19 notified in Ireland from 27/12/2020 to midnight 09/01/2021 by age-group, hospitalisation, ICU admission* and vital status

	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)	1280	2338	3758	9192	12244	9774	9165	7615	3383	1716	1010	9
Cases hospitalised (n)	19	5	24	52	118	110	146	158	247	268	207	
Cases hospitalised (%)	1.48	0.21	0.64	0.57	0.96	1.13	1.59	2.07	7.30	15.62	20.49	
Cases admitted to ICU (n)	1	0	1	0	3	2	9	18	21	11	1	0
Cases admitted to ICU (%)	0.08	0	0.027	0	0.02	0.02	0.01	0.24	0.62	0.64	0.10	0
Deaths (n)	0	0	0	0	0	0	0	4	13	20	29	0
Case fatality ratio (%)	0	0	0	0	0	0	0	0.05	0.38	1.17	2.87	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 10:24 on 10/01/2021. 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 ≥ 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.

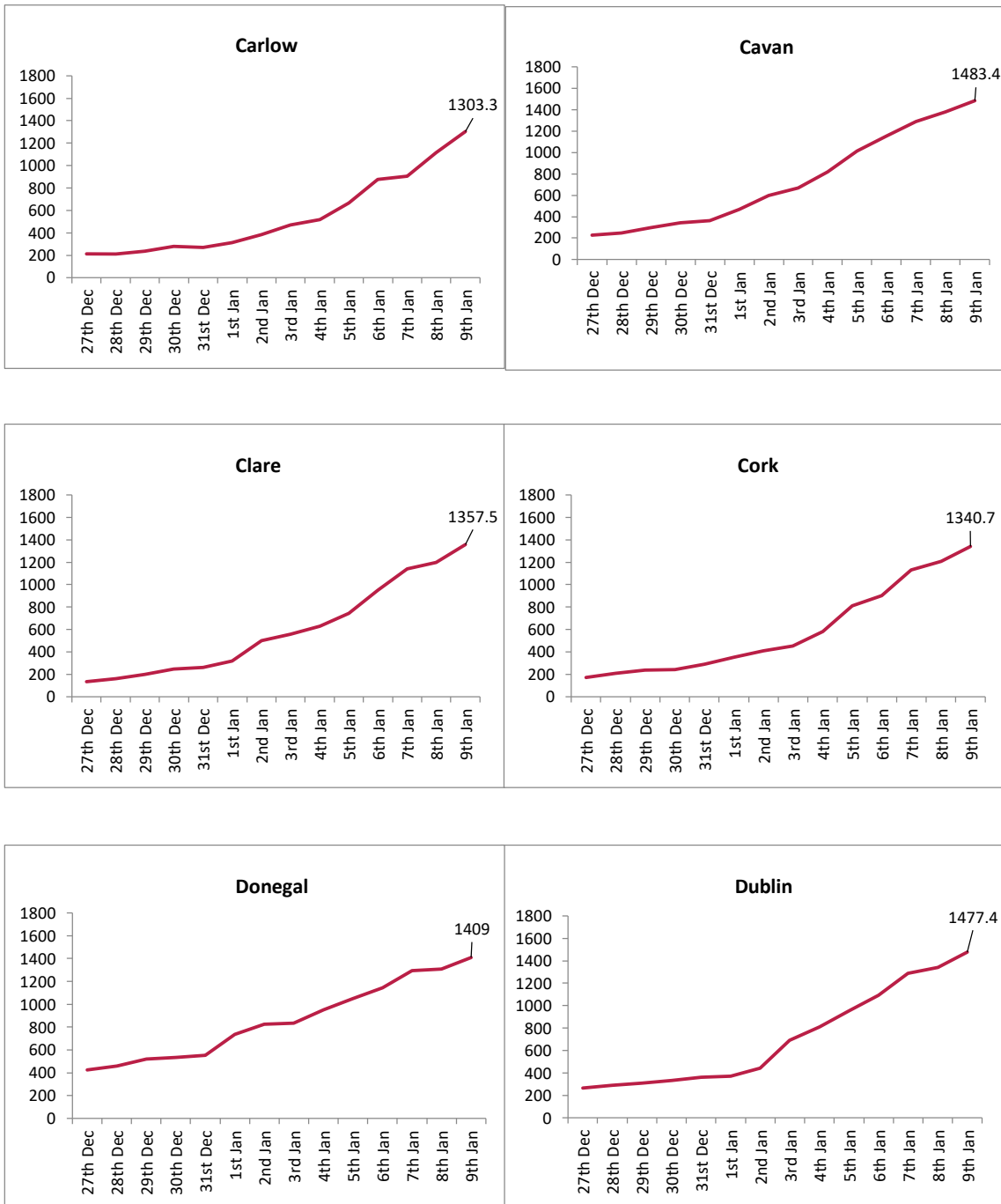
5. Outbreak location

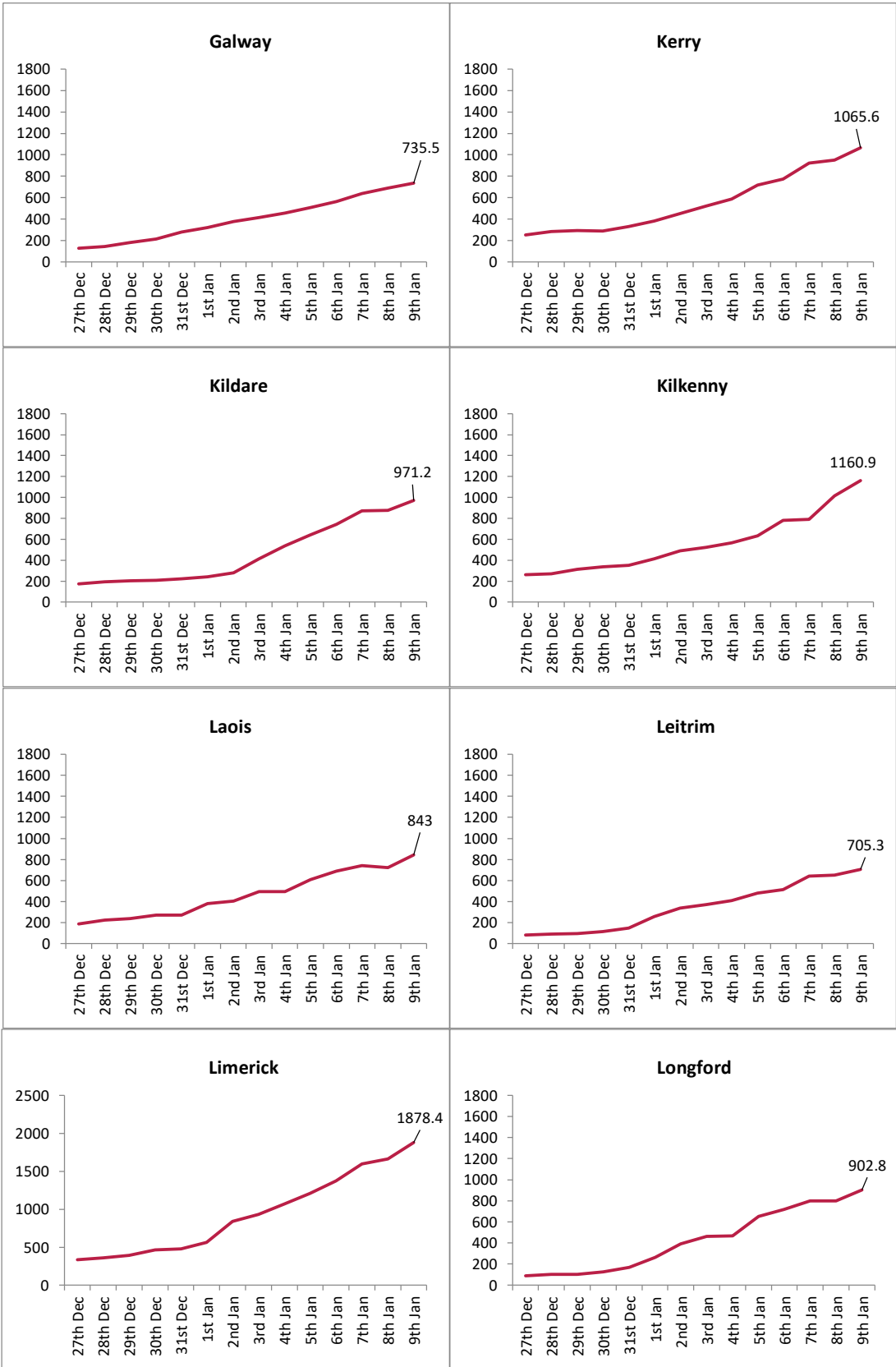
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

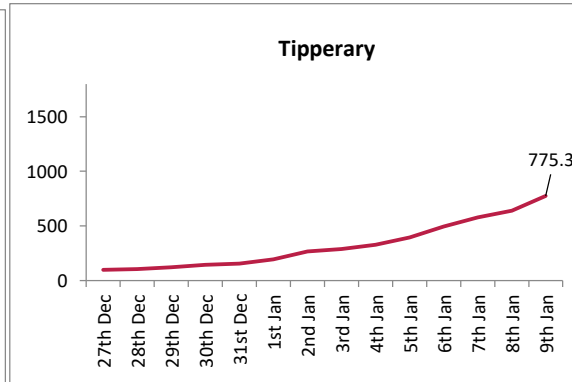
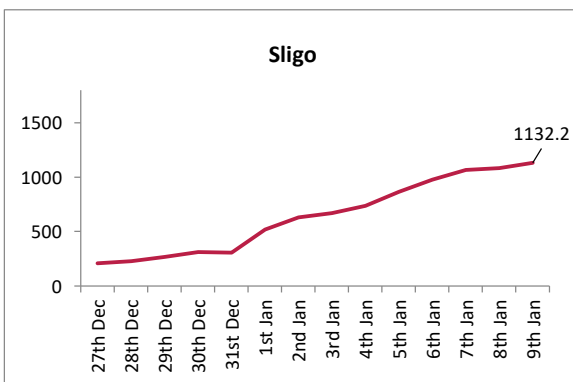
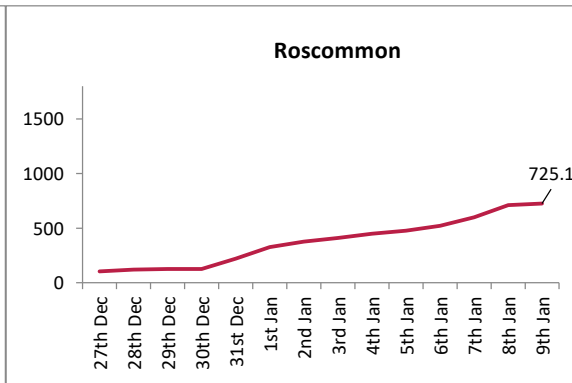
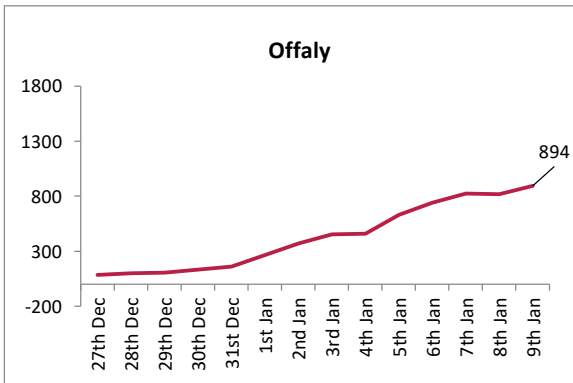
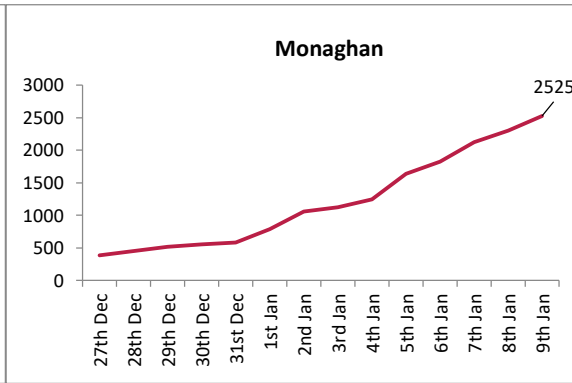
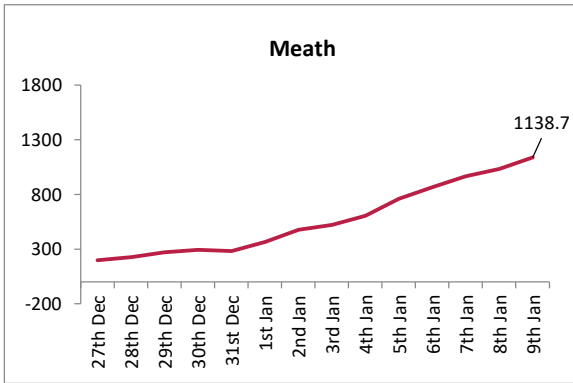
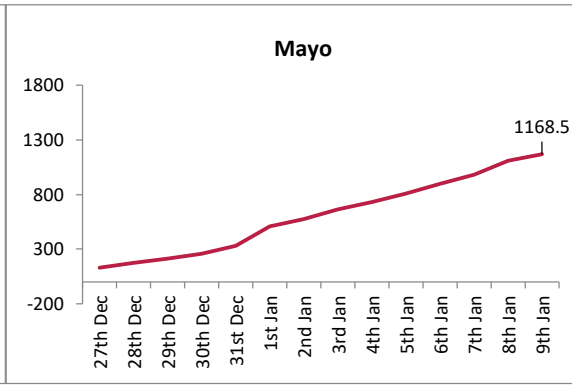
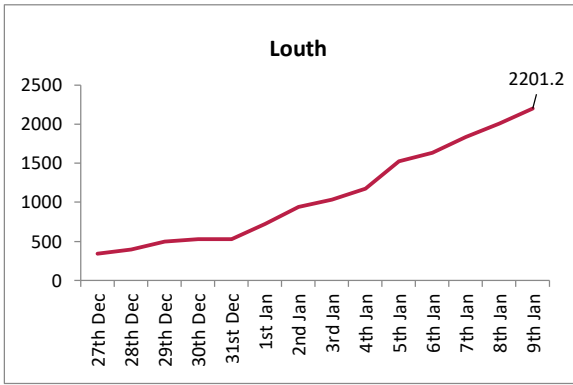
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (27/12/2020 to 09/01/2021)







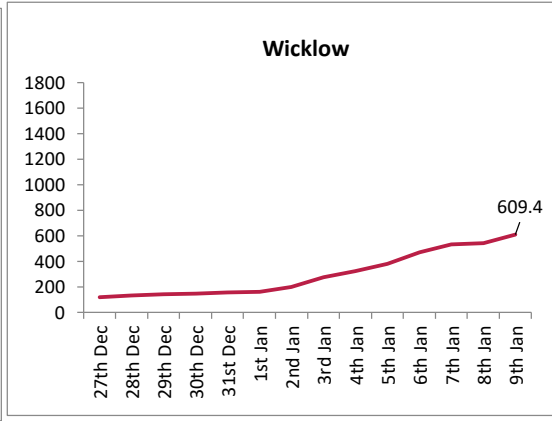
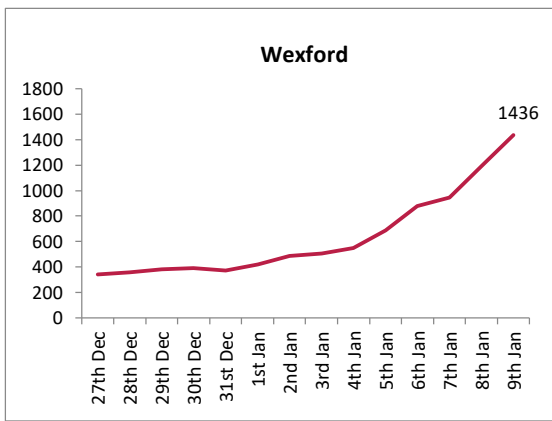
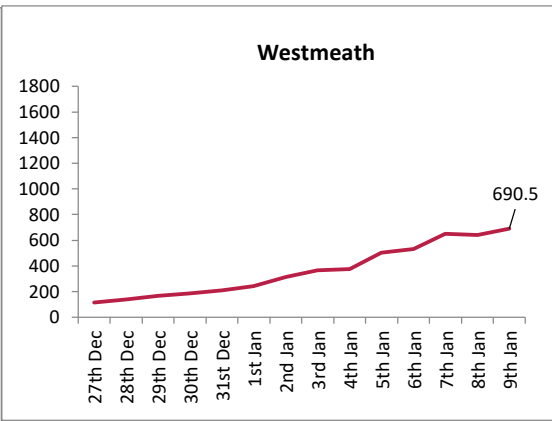
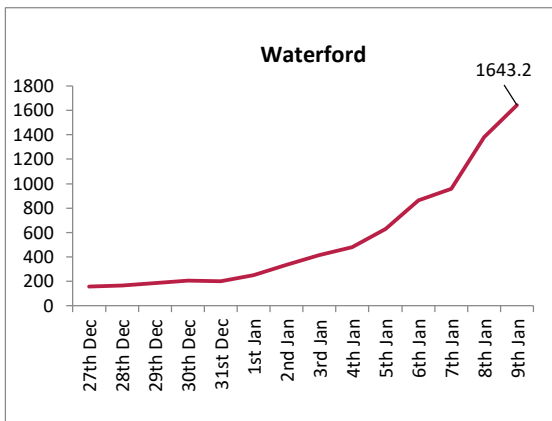
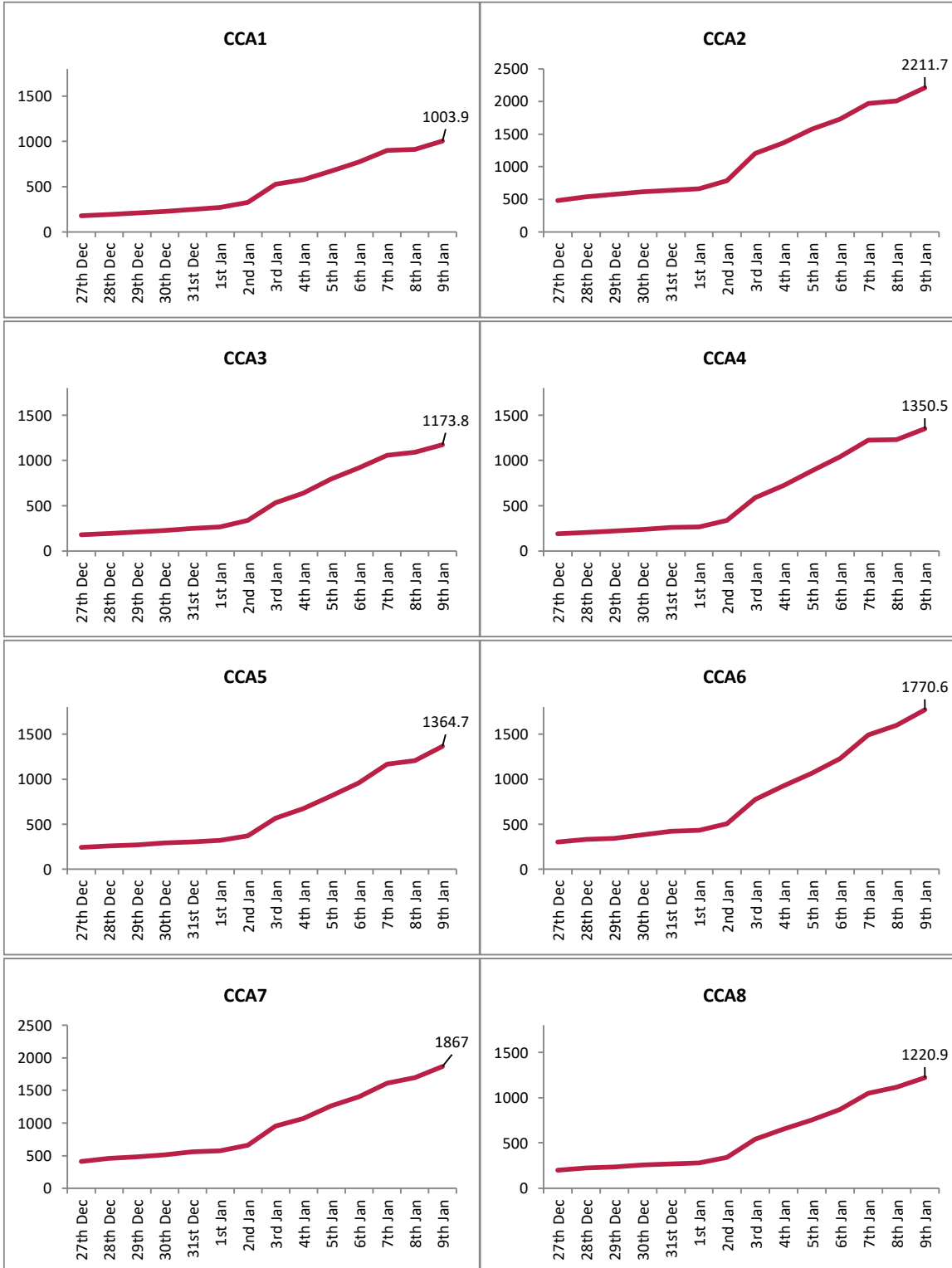


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (27/12/2020 to 09/01/2021)



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