



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 24/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 10/01/2021 up to midnight 23/01/2021

	Number	Percent
Total number of confirmed cases	40,031	
National incidence of confirmed cases per 100,000 population	840.66	
Number of cases hospitalised*	2,345	5.86
Number of cases admitted to ICU*	119	0.3
Number of deaths among confirmed cases	265	0.66
Case fatality ratio (CFR, %)	0.66	
National incidence of confirmed deaths per 100,000 population	5.57	
Number of cases** associated with clusters	3,663	9.15
Number of imported cases	10	0.02
Number of cases in healthcare workers	4,633	11.57
Males	18,495	46.2
Females	21,501	53.71
M:F ratio	0.86	
Median age (years)	41	
Mean age (years)	43	
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
10/01/2021 - 23/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:18 on 24/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

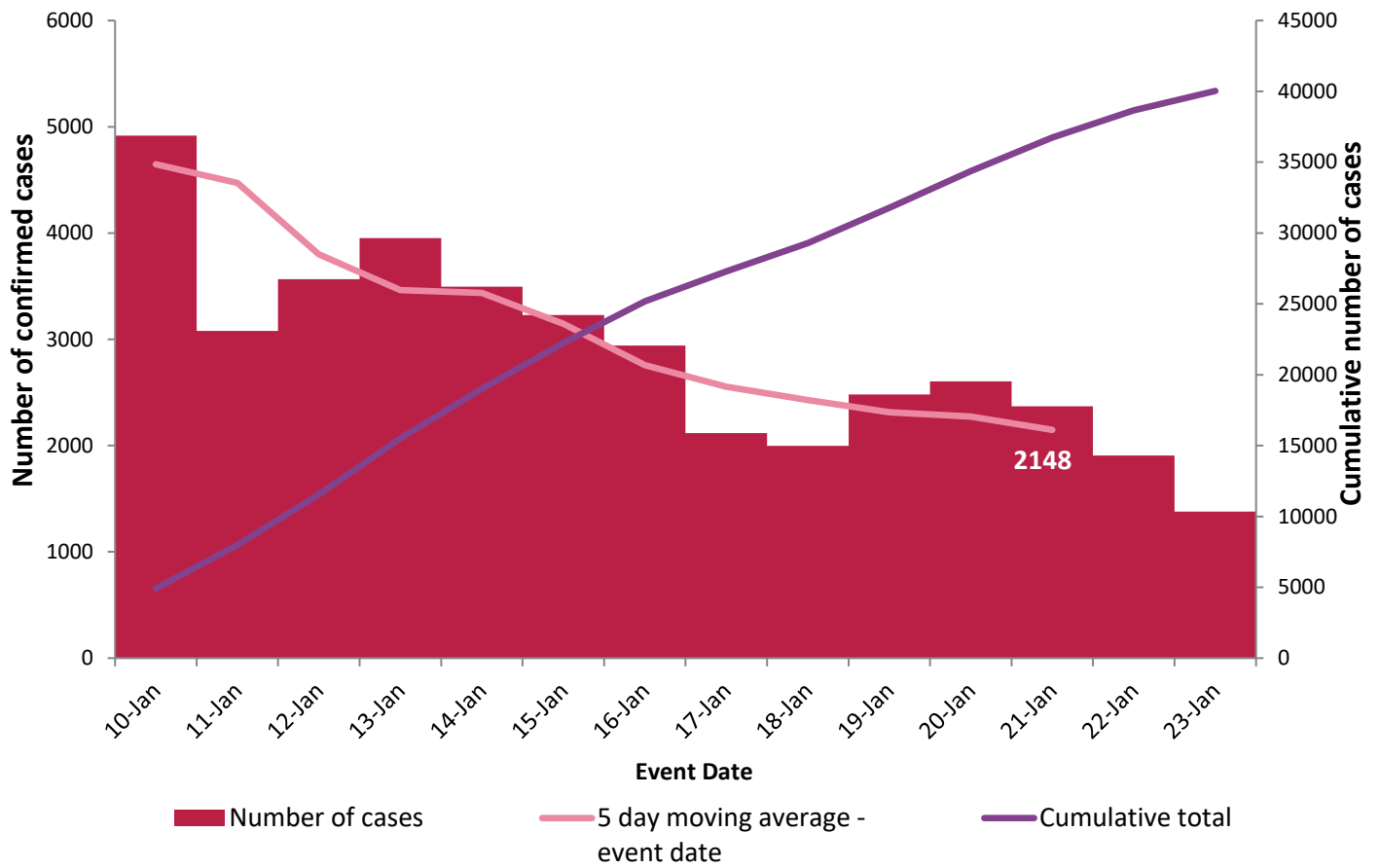


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=40,031)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 10/01/2021 up to midnight on 23/01/2022

Characteristic		Number of cases	Percent
Total number of confirmed cases		40,031	100
Sex	Male:Female ratio	0.86	
	Male	18,495	46.2
	Female	21,501	53.71
	Unknown	35	0.09
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 104	
	0-4 yrs	829	2.07
	5-12 yrs	1,303	3.25
	13-18 yrs	2,137	5.34
	19-24 yrs	4,260	10.64
	25-34 yrs	6,935	17.32
	35-44 yrs	6,753	16.87
	45-54 yrs	6,576	16.43
	55-64 yrs	5,023	12.55
	65-74 yrs	2,472	6.18
	75-84 yrs	2,083	5.2
	85+ yrs	1,613	4.03
	Unknown	47	0.11
Underlying clinical conditions	Yes	1,986	4.96
	No	28,291	70.67
	Unknown	9,754	24.37
Symptom status at time of test*	Yes	25,606	63.97
	No	4,206	10.51
	Unknown	10,219	25.53

*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 10/01/2021 to midnight 23/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	3,318	848.0
CHO2	4445	981.0
CHO3	3146	817.1
CHO4	4,991	722.7
CHO5	4,378	857.9
CHO6	3067	800.4
CHO7	5,433	767.7
CHO8	4,815	777.5
CHO9	6,433	1035.2
Unknown	5	
Total	40,031	840.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 10/01/2021 to midnight 23/01/2021

County	Number of confirmed cases	Incidence per 100,000 population
Monaghan	1020	1661.6
Mayo	1726	1322.5
Louth	1623	1259.3
Carlow	628	1103.1
Wexford	1582	1056.6
Waterford	1144	984.7
Limerick	1900	974.9
Dublin	12635	937.8
Galway	2302	892.0
Donegal	1315	826.0
Cavan	610	800.8
Cork	4345	800.4
Meath	1509	773.7
Offaly	550	705.5
Kildare	1554	698.4
Laois	570	673.0
Clare	788	663.2
Roscommon	417	646.1
Tipperary	1023	641.2
Wicklow	749	525.9
Kilkenny	465	468.6
Westmeath	403	454.0
Kerry	646	437.4
Sligo	283	431.8
Longford	154	376.8
Leitrim	90	280.9
Total	40,031	840.7

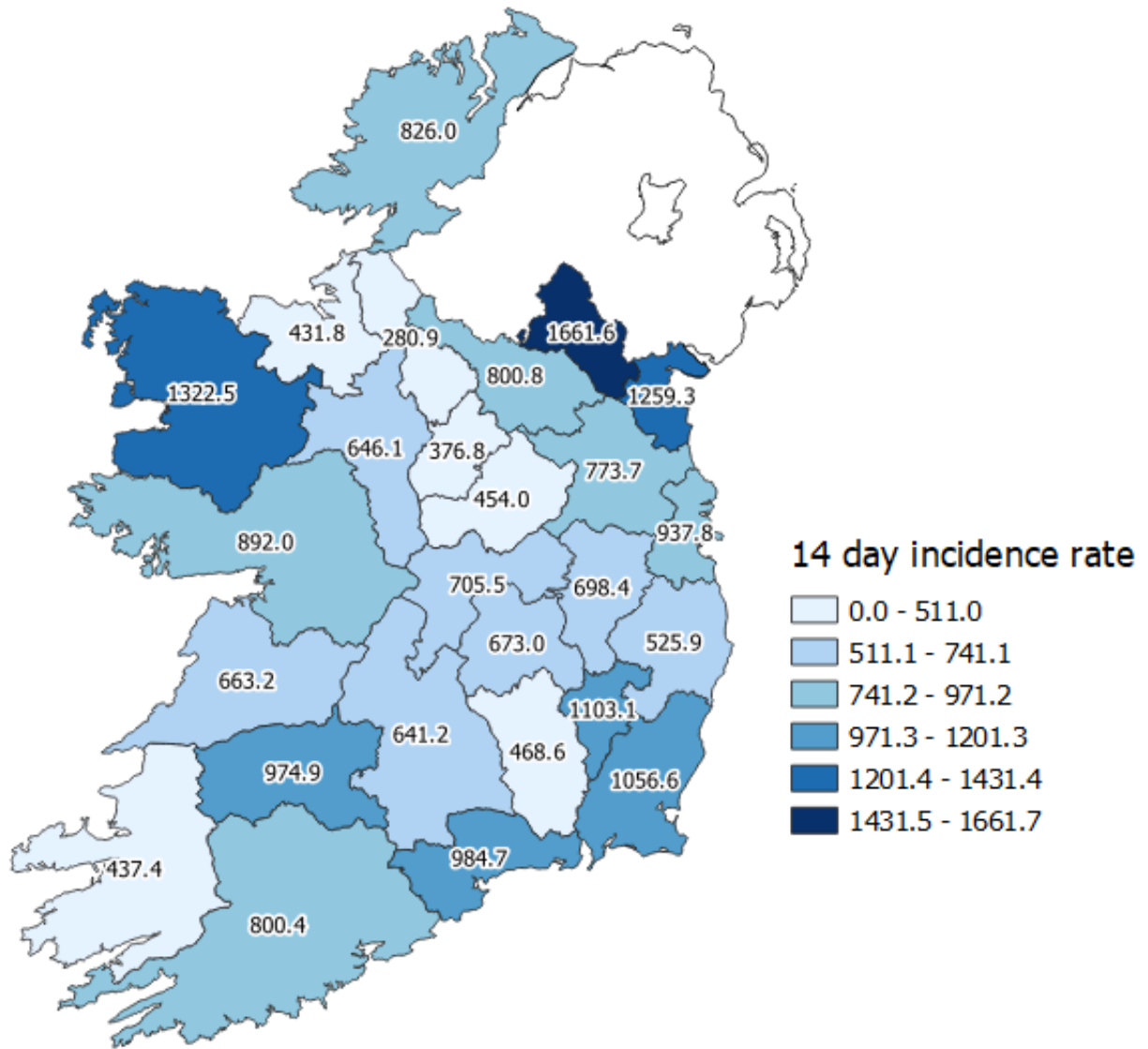


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 10/01/2021 and 23/01/2021

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 10/01/2021 and 23/01/2021

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	753	553.4
CCA2	Dublin South East	1,589	1284.5
CCA3	Dublin South City	1,025	683.6
CCA4	Dublin South West	1,299	807.3
CCA5	Dublin West	1,531	985.6
CCA6	Dublin North West	2,566	1235.6
CCA7	Dublin North Central	1,868	1208.4
CCA8	Dublin North	1,999	771.4
	Unknown	5	
	Dublin	12,635	937.8

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.

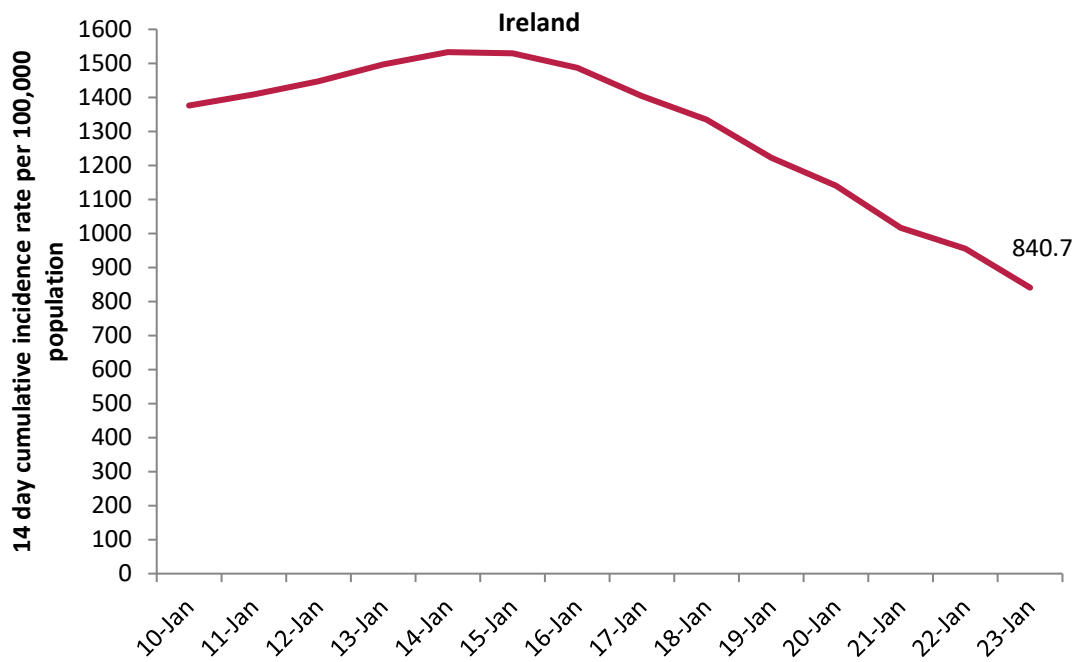


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland (10/01/2021 to 23/01/2021)

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: Number of confirmed COVID-19 cases by most likely transmission source notified from 10/01/2021 to midnight 23/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	167	0.42%
Close contact with a known confirmed case	13,503	33.73%
Healthcare setting acquired: patient	2,124	5.31%
Healthcare setting acquired: staff	2,095	5.23%
Community transmission	6,603	16.49%
Under investigation	15,539	38.82%
Total cases with known most likely transmission source	24,492	61.18%
Total	40,031	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 10/01/2021 to midnight 23/01/2021 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	829	19	0.81	0	0
5-12 yrs	1303	16	0.68	0	0
13-18 yrs	2137	33	1.41	0	0
19-24 yrs	4260	85	3.62	0	0
25-34 yrs	6935	148	6.31	5	4.20
35-44 yrs	6753	176	7.51	9	7.56
45-54 yrs	6576	240	10.23	25	21.01
55-64 yrs	5023	313	13.35	24	20.17
65-74 yrs	2472	369	15.74	31	26.05
75-84 yrs	2083	573	24.43	20	16.81
85+ yrs	1613	373	15.91	5	4.20
Unknown	47			0	0
Total	40,031	2345	100	119	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 10/01/2021 up to midnight 23/01/2021

	Number	Percent
Total number of deaths	271	
Confirmed	265	97.79
Probable	3	1.11
Possible	3	1.11
Total number of cases hospitalised	132	48.71
Total number of male cases	141	52.03
M:F ratio	1.08	
Median age (years)	83	
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 10/01/2021 up to midnight 23/01/2021

Age group (years)	Female	Male	Total
35-44 yrs	<5	<5	<5
45-54 yrs	<5	<5	5
55-64 yrs	5	10	15
65-74 yrs	14	28	42
75-84 yrs	37	62	99
85+ yrs	73	35	108
Total	130	141	271
Percent	47.97	52.03	

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 10:18 on 24/01/2021. 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.

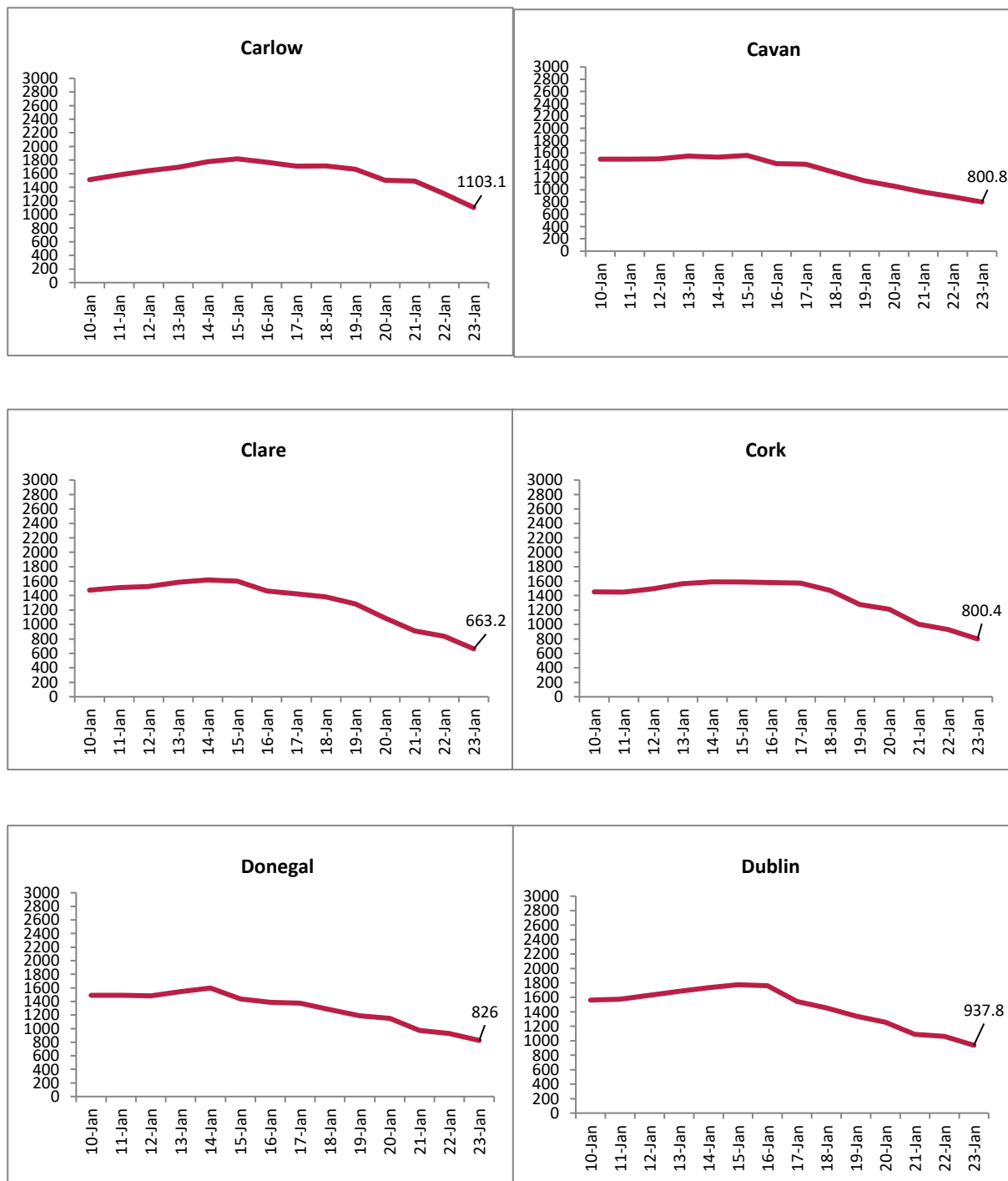
5. Outbreak location

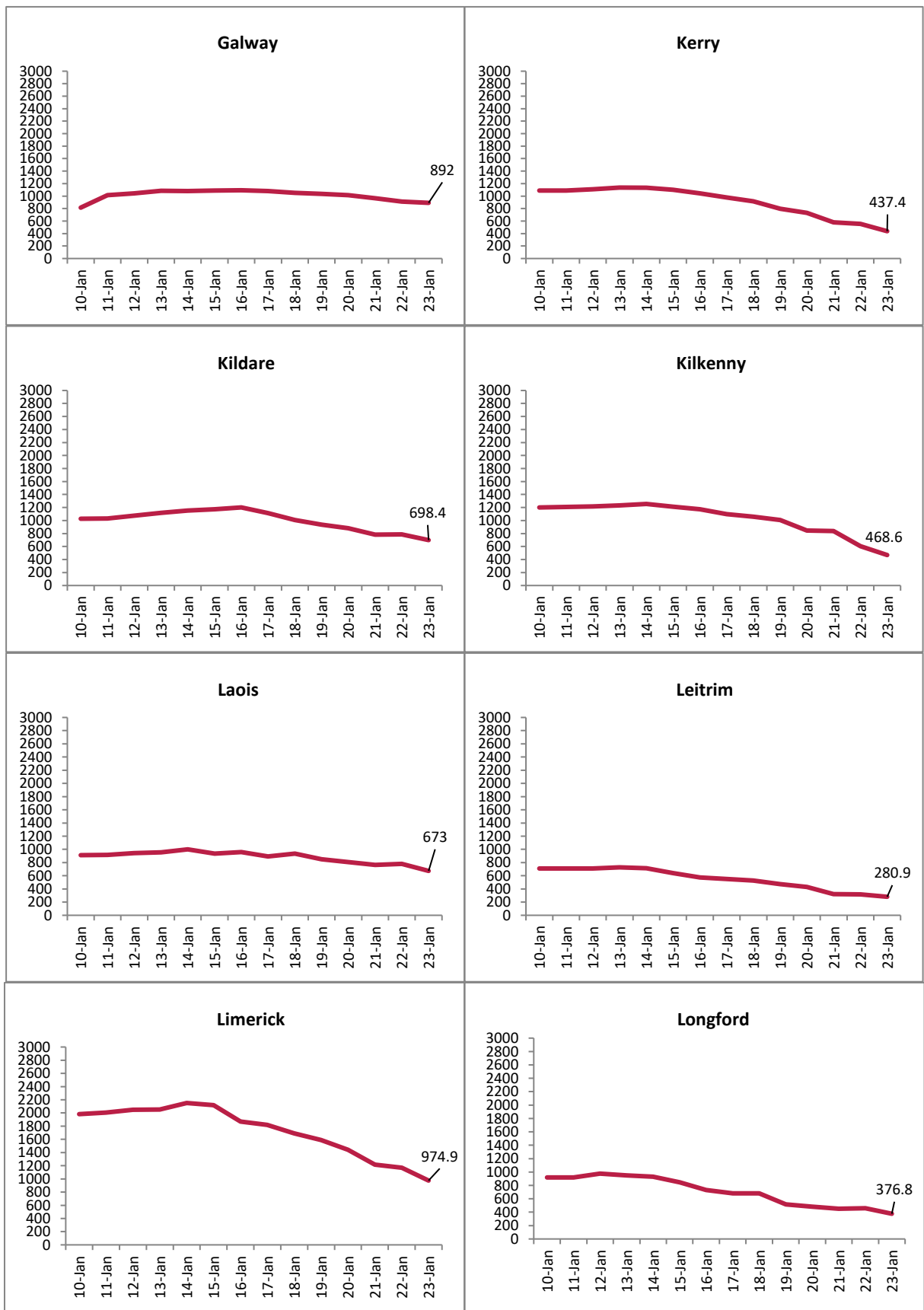
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

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

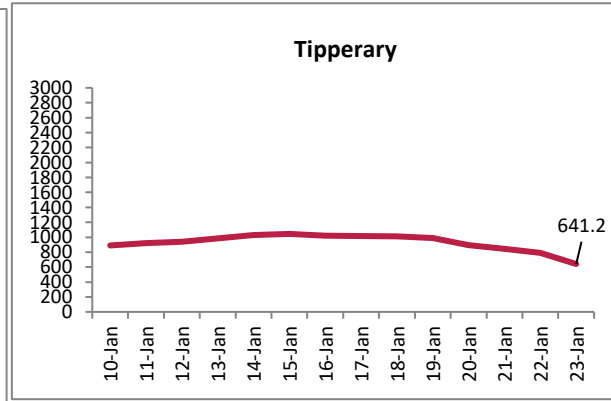
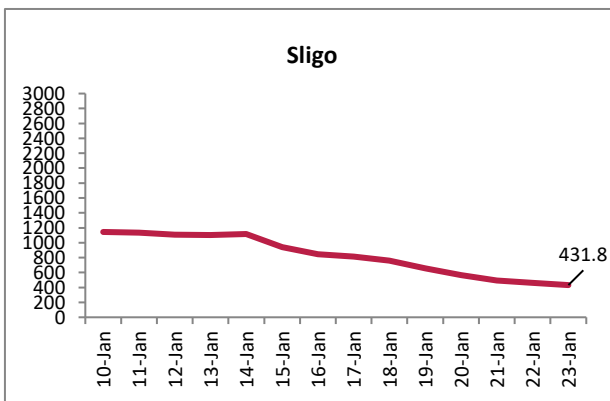
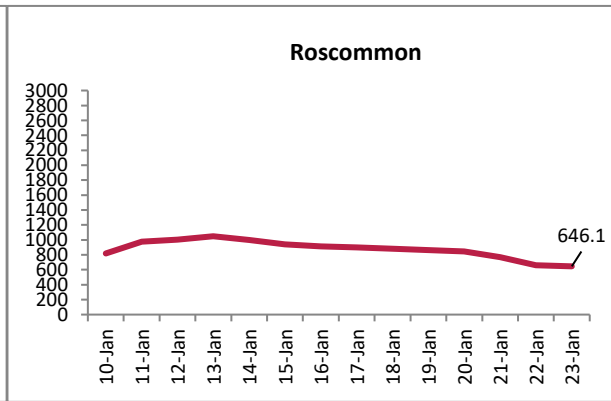
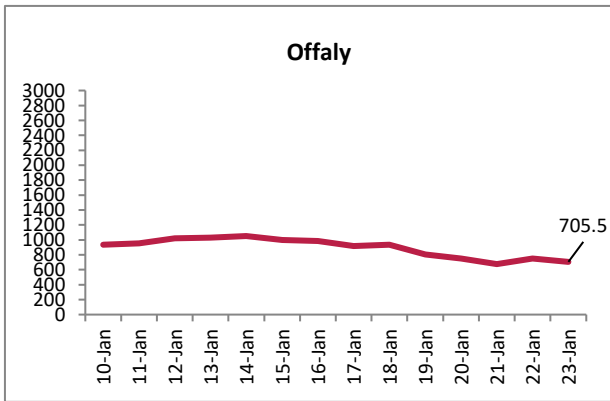
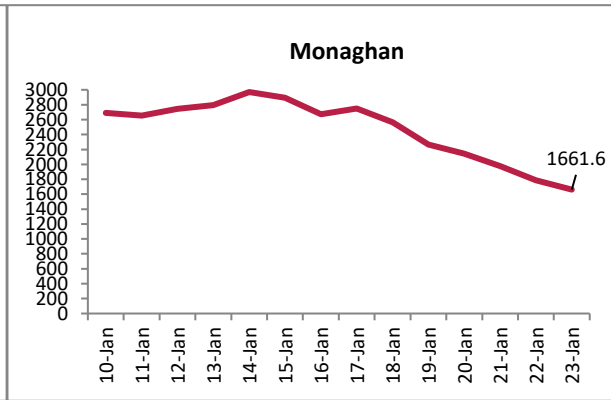
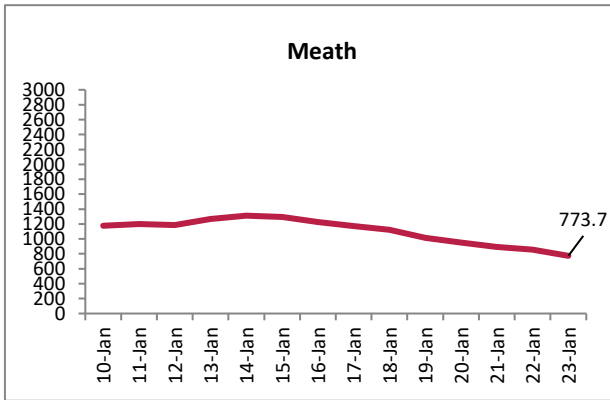
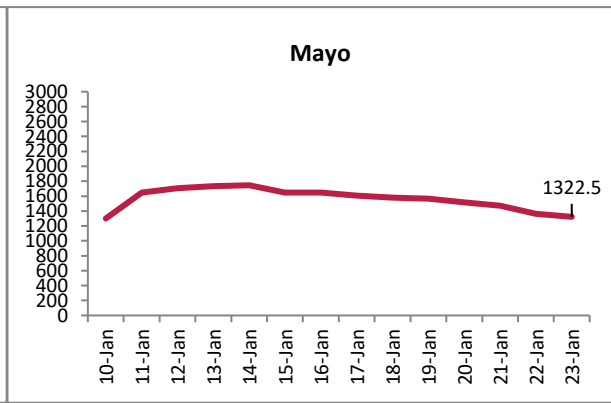
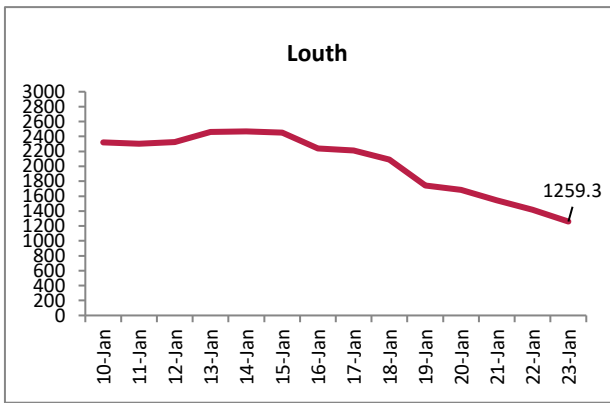
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (10/01/2021 to 23/01/2021)





Report prepared by Health Protection Surveillance Centre on 24/01/2021



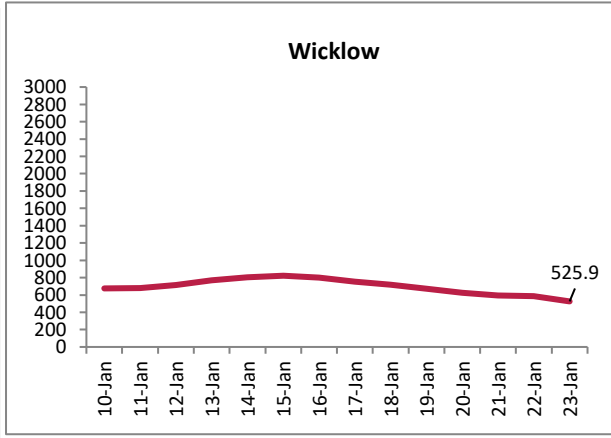
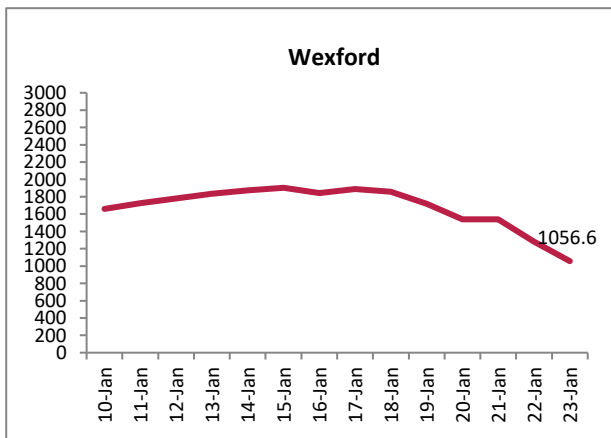
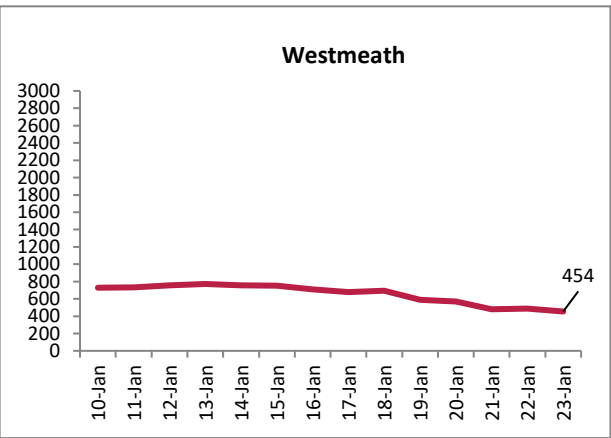
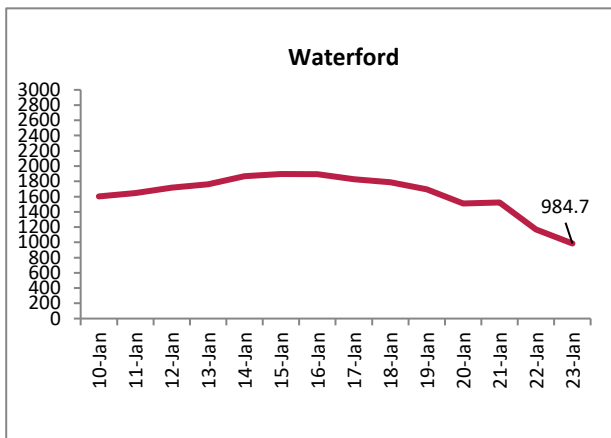
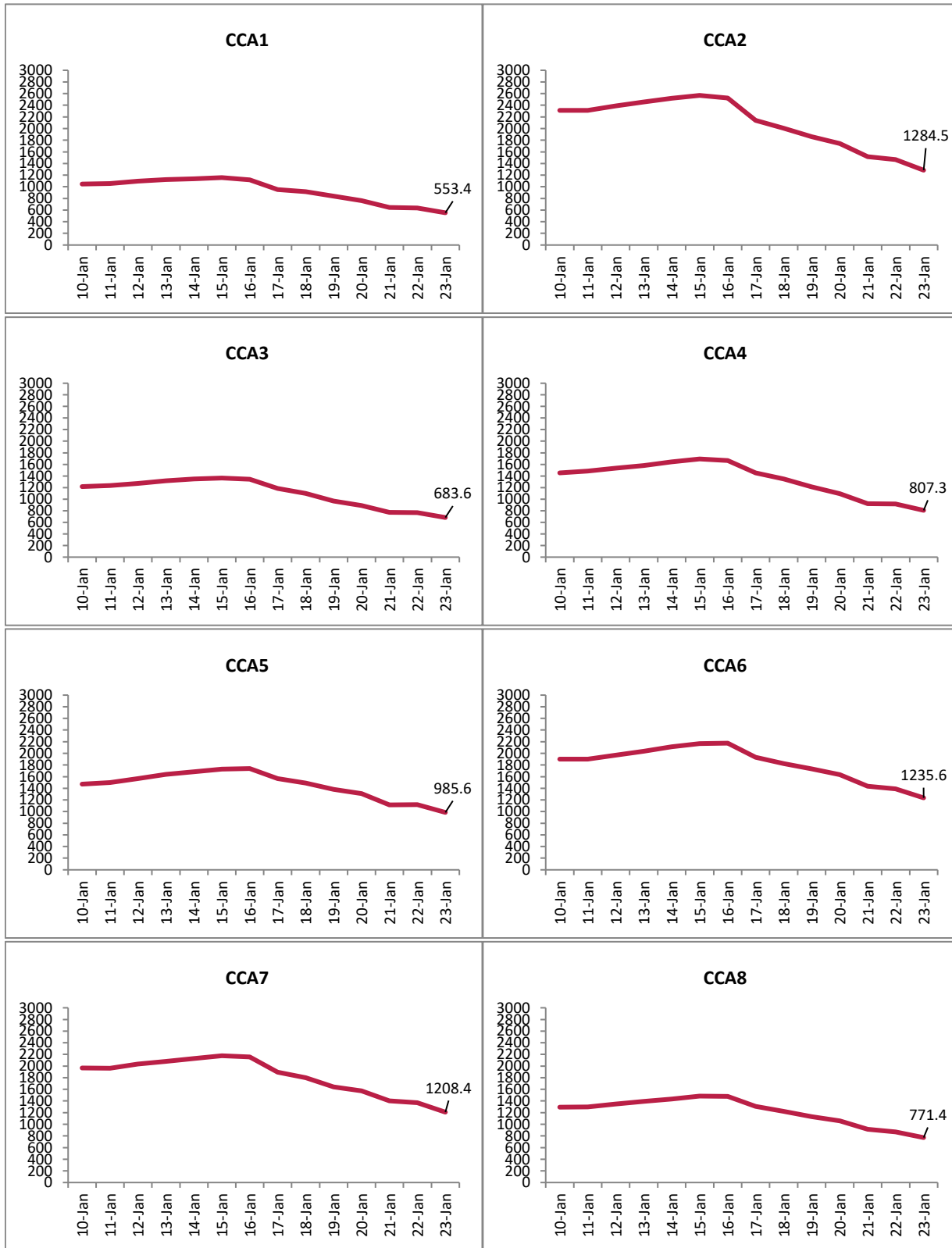


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (10/01/2021 to 23/01/2021)



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