



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 26/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 12/01/2021 up to midnight 25/01/2021

	Number	Percent
Total number of confirmed cases	34,336	
National incidence of confirmed cases per 100,000 population	721.06	
Number of cases hospitalised*	2,114	6.16
Number of cases admitted to ICU*	99	0.29
Number of deaths among confirmed cases	222	0.65
Case fatality ratio (CFR, %)	0.65	
National incidence of confirmed deaths per 100,000 population	4.66	
Number of cases** associated with clusters	3,780	11.01
Number of imported cases	9	0.03
Number of cases in healthcare workers	4,217	12.28
Males	15,846	46.15
Females	18,459	53.76
M:F ratio	0.86	
Median age (years)	41	
Mean age (years)	43	
Age range (years)	0 - 108	

* 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
12/01/2021 - 25/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:48 on 26/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

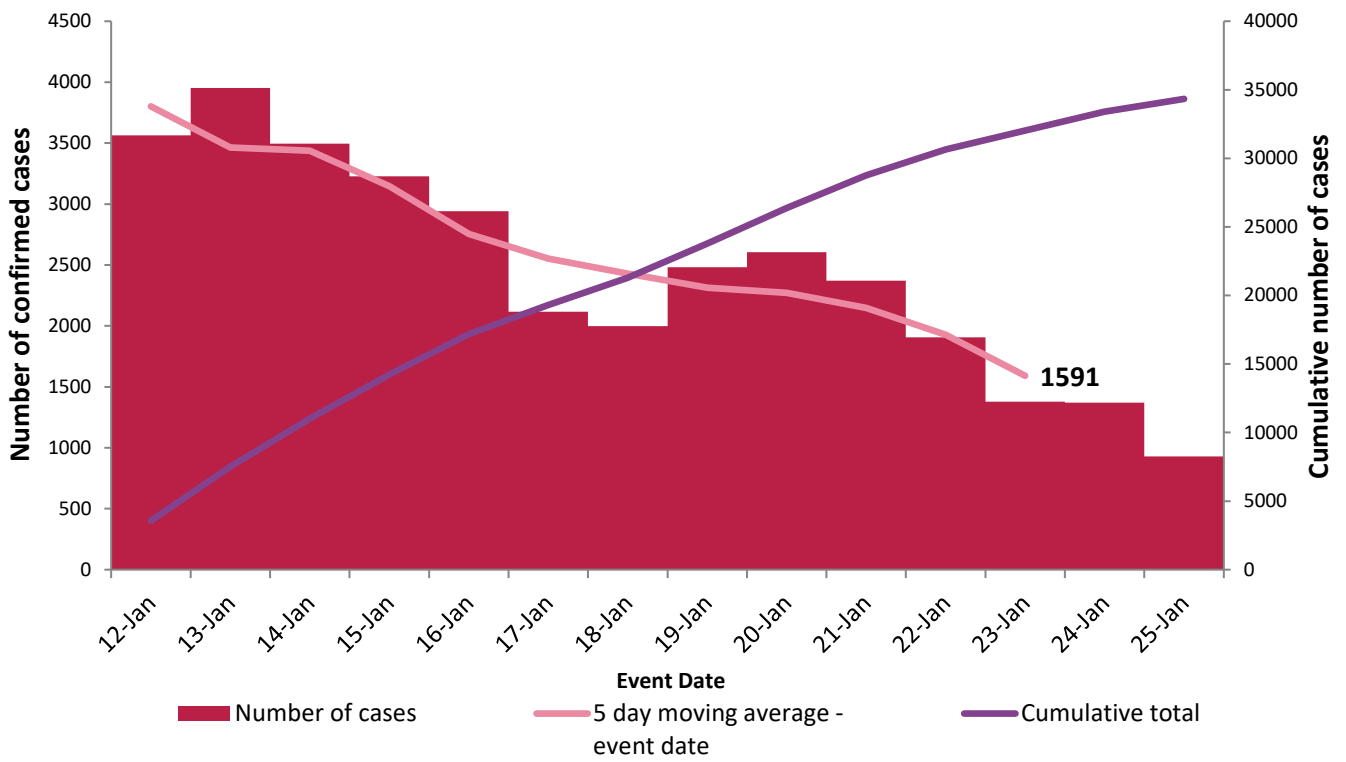


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=34,336)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 12/01/2021 up to midnight on 25/01/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		34,336	100
Sex	Male:Female ratio	0.86	
	Male	15,846	46.15
	Female	18,459	53.76
	Unknown	31	0.09
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 108	
	0-4 yrs	742	2.16
	5-12 yrs	1,145	3.33
	13-18 yrs	1,766	5.14
	19-24 yrs	3,480	10.14
	25-34 yrs	5,924	17.25
	35-44 yrs	5,836	17
	45-54 yrs	5,736	16.71
	55-64 yrs	4,258	12.4
	65-74 yrs	2,043	5.95
	75-84 yrs	1,856	5.41
	85+ yrs	1,505	4.38
	Unknown	45	0.13
Underlying clinical conditions	Yes	1,883	5.48
	No	24,300	70.77
	Unknown	8,153	23.74
Symptom status at time of test*	Yes	21,946	63.92
	No	3,827	11.15
	Unknown	8,563	24.94

*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 12/01/2021 to midnight 25/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,954	755.0
CHO2	2929	646.4
CHO3	2554	663.4
CHO4	4,309	624.0
CHO5	3,823	749.1
CHO6	2725	711.2
CHO7	4,891	691.1
CHO8	4,394	709.5
CHO9	5,756	926.3
Unknown	1	
Total	34,336	721.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 12/01/2021 to midnight 25/01/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (21/01/2021-25/01/2021)
Monaghan	906	1475.9	50
Louth	1468	1139.0	79
Carlow	549	964.3	26
Waterford	1108	953.7	67
Mayo	1098	841.3	48
Dublin	11307	839.2	521
Wexford	1249	834.2	70
Limerick	1524	781.9	62
Cavan	562	737.8	21
Donegal	1134	712.3	39
Meath	1367	700.9	68
Offaly	539	691.4	32
Cork	3745	689.9	162
Kildare	1405	631.4	58
Galway	1590	616.1	65
Laois	501	591.5	17
Tipperary	893	559.7	44
Clare	637	536.1	25
Wicklow	661	464.1	32
Kilkenny	424	427.3	18
Sligo	268	408.9	17
Westmeath	353	397.7	20
Longford	157	384.1	12
Kerry	564	381.8	25
Roscommon	241	373.4	7
Leitrim	86	268.4	6
Total	34,336	721.1	1591

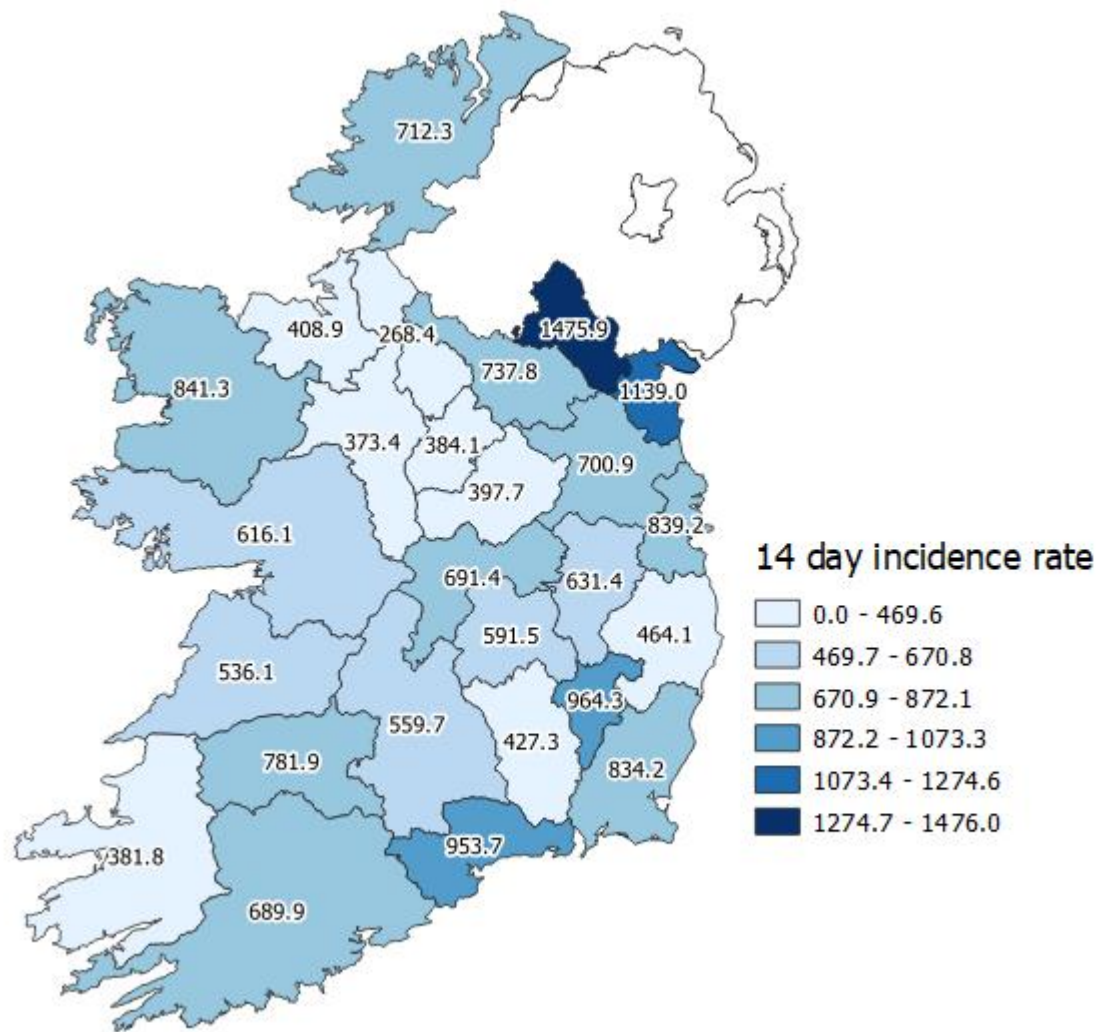


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 12/01/2021 and 25/01/2021

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 12/01/2021 and 25/01/2021

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	669	491.6
CCA2	Dublin South East	1,418	1146.3
CCA3	Dublin South City	937	624.9
CCA4	Dublin South West	1,143	710.4
CCA5	Dublin West	1,383	890.3
CCA6	Dublin North West	2,292	1103.7
CCA7	Dublin North Central	1,673	1082.3
CCA8	Dublin North	1,791	691.1
	Unknown	1	
	Dublin	11,307	839.2

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.

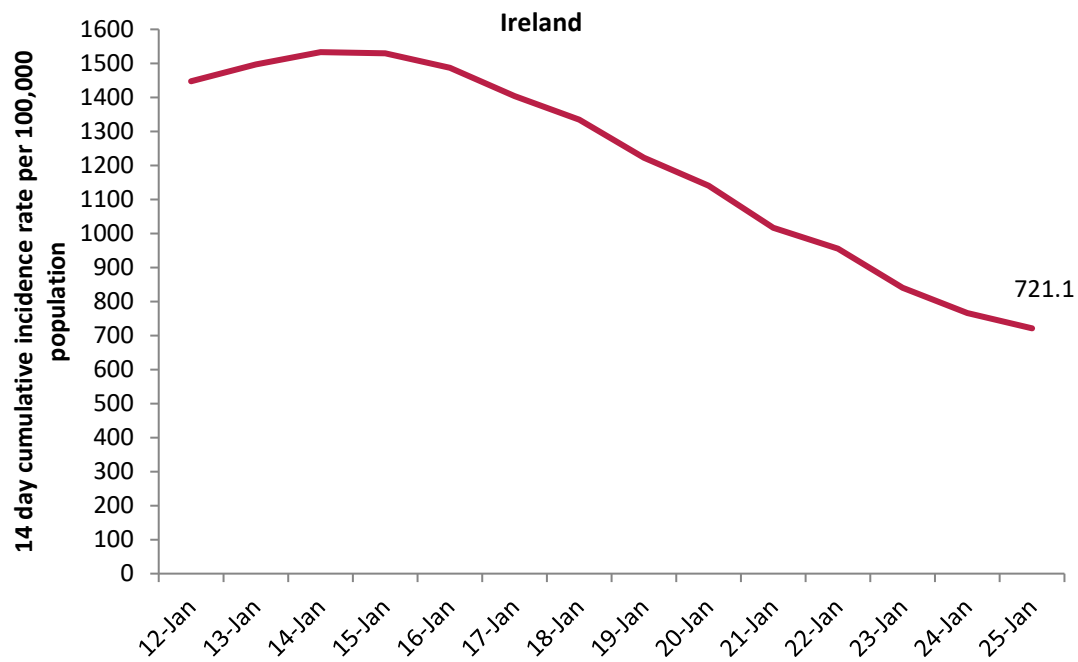


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (12/01/2021 to 25/01/2021)

*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 12/01/2021 to midnight 25/01/2021

Most likely transmission source	Number of cases	Percent
Travel related*	150	0.44%
Close contact with a known confirmed case	11,580	33.73%
Healthcare setting acquired: patient	2,052	5.98%
Healthcare setting acquired: staff	2,014	5.87%
Community transmission	5,777	16.82%
Under investigation	12,763	37.17%
Total	34,336	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 12/01/2021 to midnight 25/01/2021 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	742	17	0.80	0	0
5-12 yrs	1145	14	0.66	0	0
13-18 yrs	1766	33	1.56	0	0
19-24 yrs	3480	83	3.93	0	0
25-34 yrs	5924	135	6.39	5	5.05
35-44 yrs	5836	165	7.81	9	9.09
45-54 yrs	5736	219	10.36	18	18.18
55-64 yrs	4258	289	13.67	23	23.23
65-74 yrs	2043	309	14.62	22	22.22
75-84 yrs	1856	506	23.94	19	19.19
85+ yrs	1505	344	16.27	3	3.03
Unknown	45			0	0
Total	34,336	2,114	100	99	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 12/01/2021 up to midnight 25/01/2021

	Number	Percent
Total number of deaths	228	
Confirmed	222	97.37
Probable	3	1.32
Possible	3	1.32
Total number of cases hospitalised	109	47.81
Total number of male cases	104	45.61
M:F ratio	0.84	
Median age (years)	83.5	
Mean age (years)	81	
Age range (years)	41 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 12/01/2021 up to midnight 25/01/2021

Age group (years)	Female	Male	Total	Percent
35-44 yrs	<5	<5	<5	1.32
45-54 yrs	<5	<5	<5	1.75
55-64 yrs	5	8	13	5.70
65-74 yrs	13	17	30	13.16
75-84 yrs	38	45	83	36.40
85+ yrs	65	30	95	41.67
Total	124	104	228	100
Percent	54.39	45.61		

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 08:48 on 26/01/2021. 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.

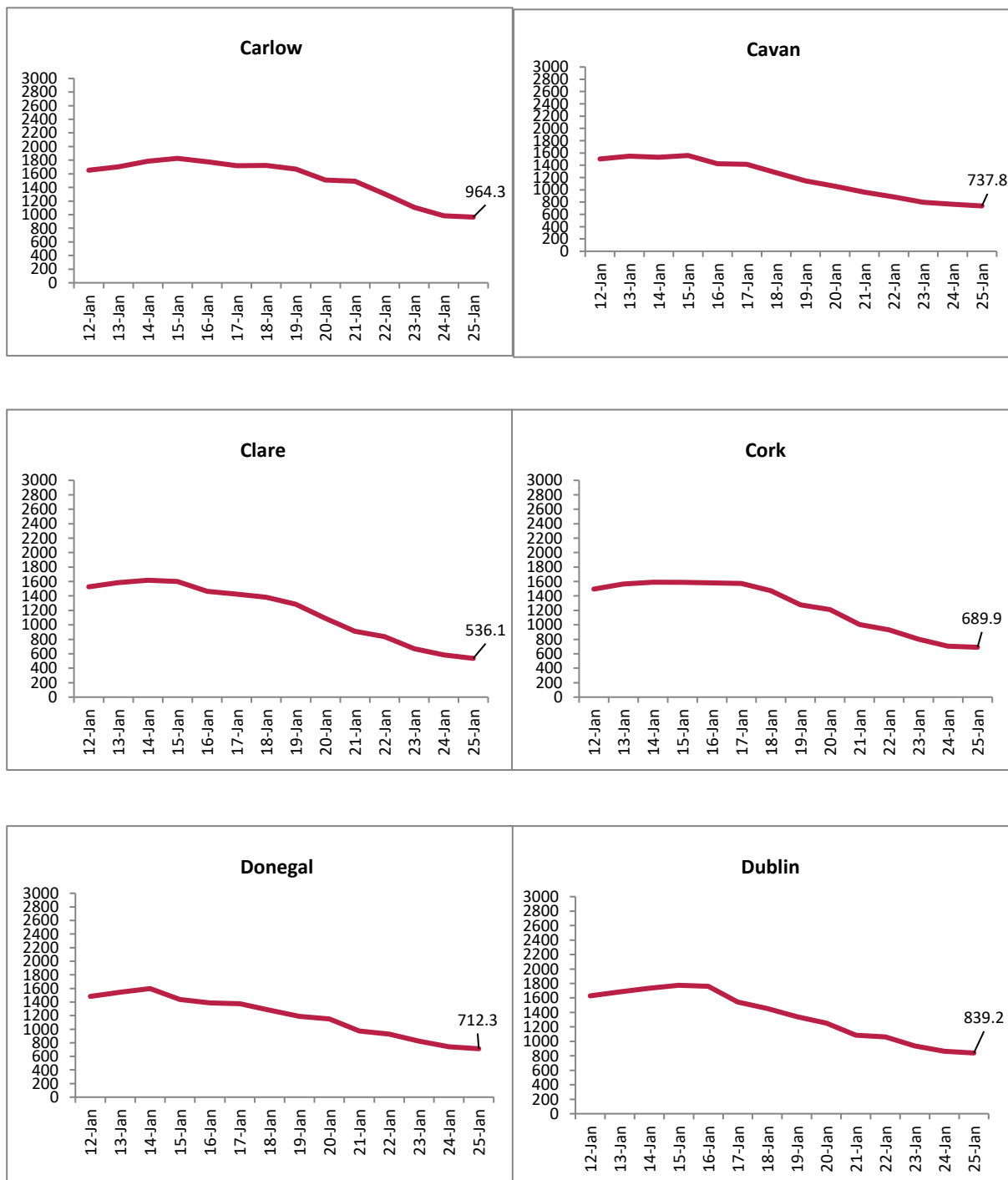
5. Outbreak location

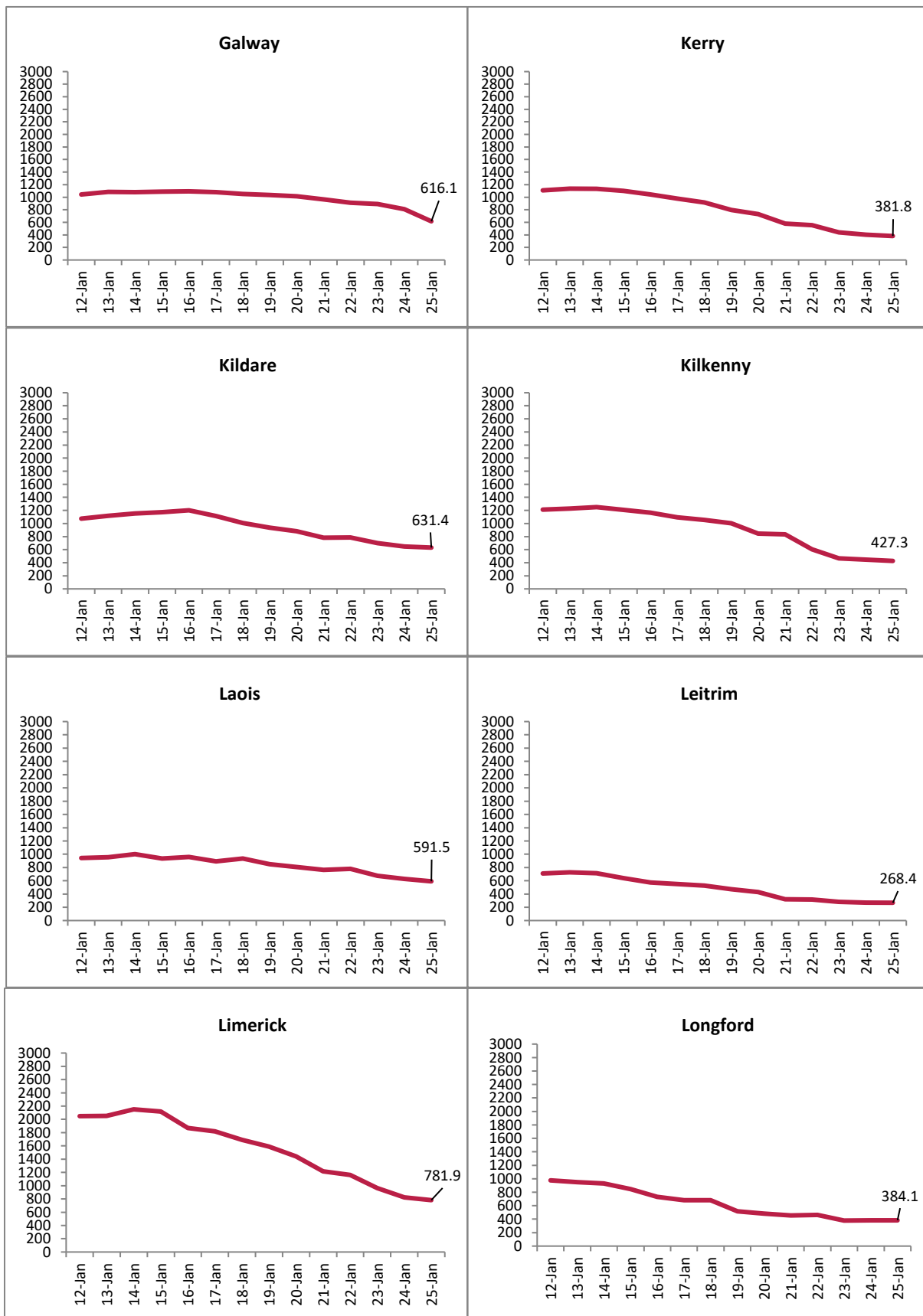
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

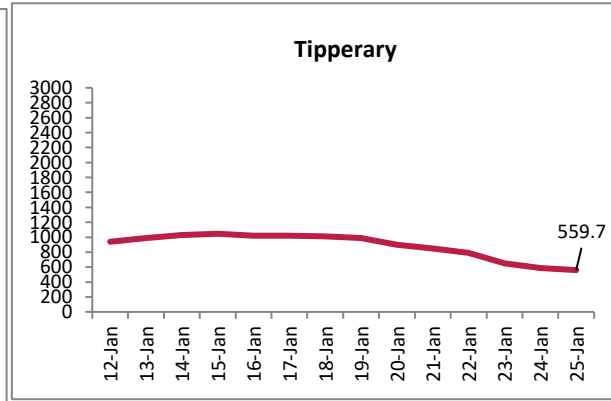
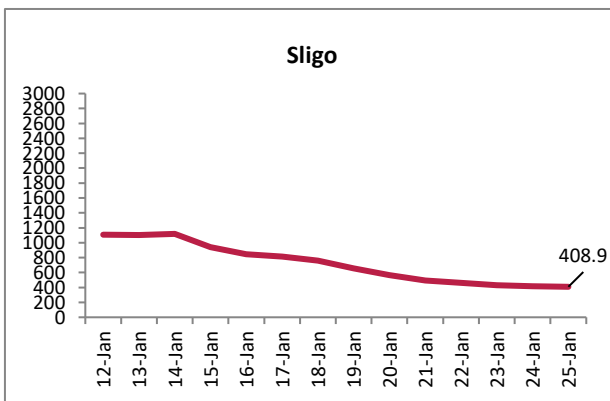
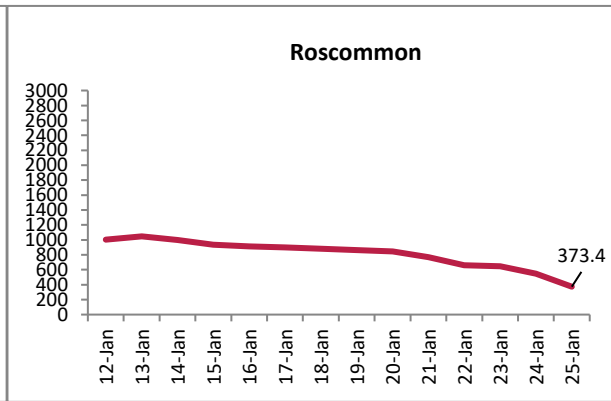
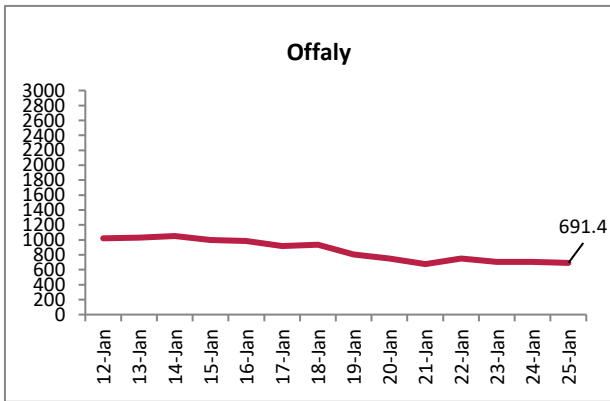
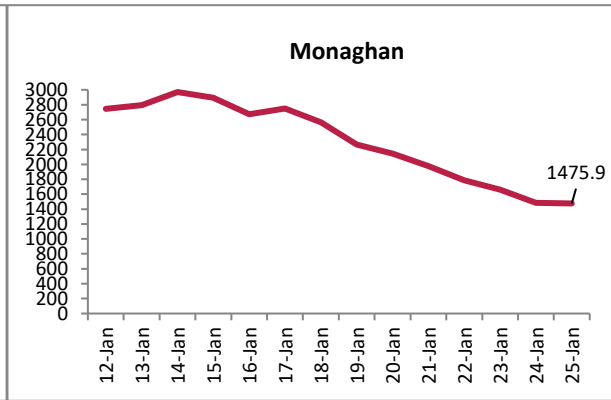
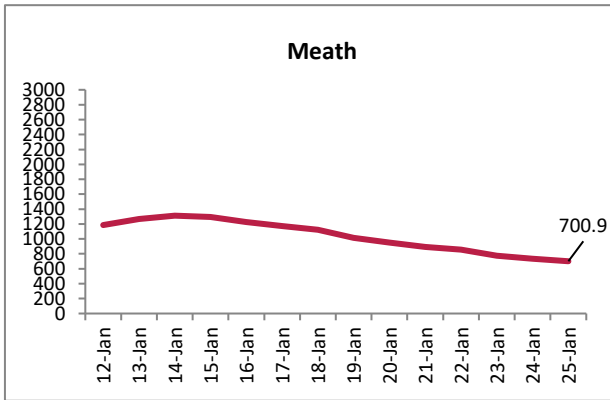
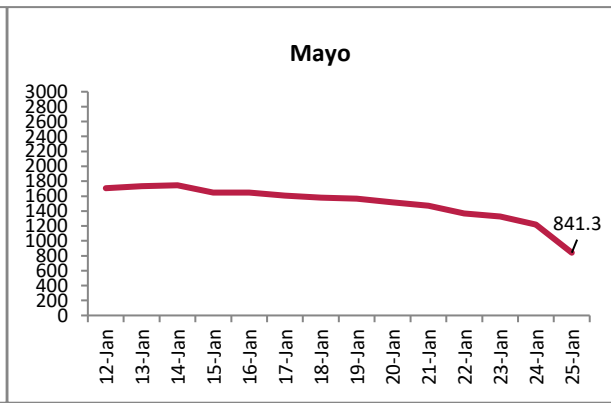
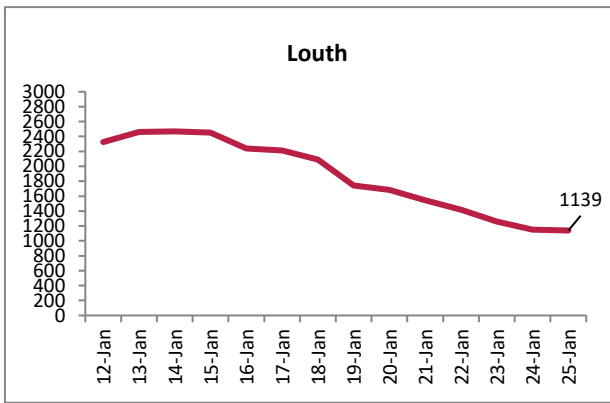
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (12/01/2021 to 25/01/2021)







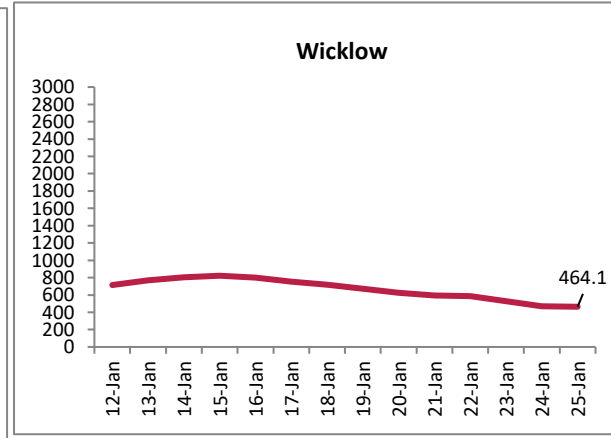
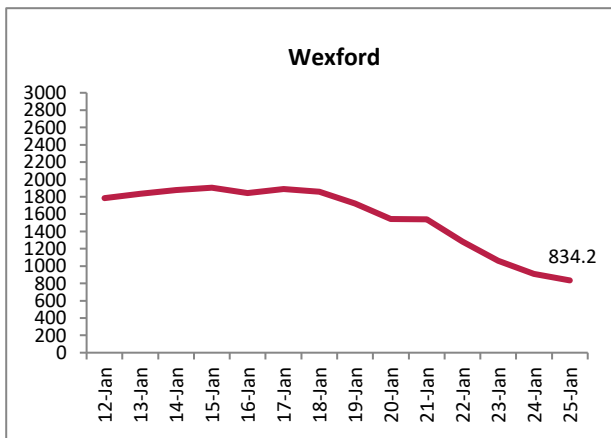
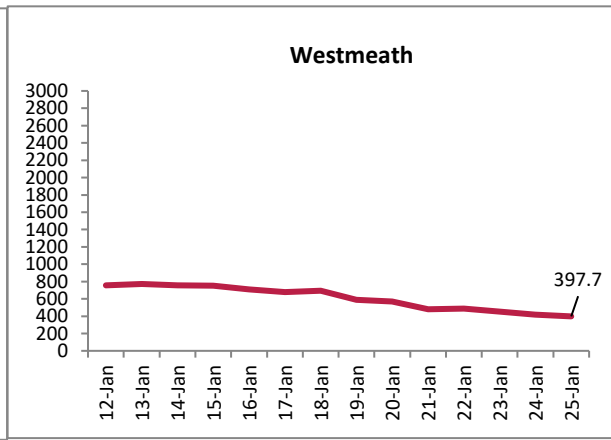
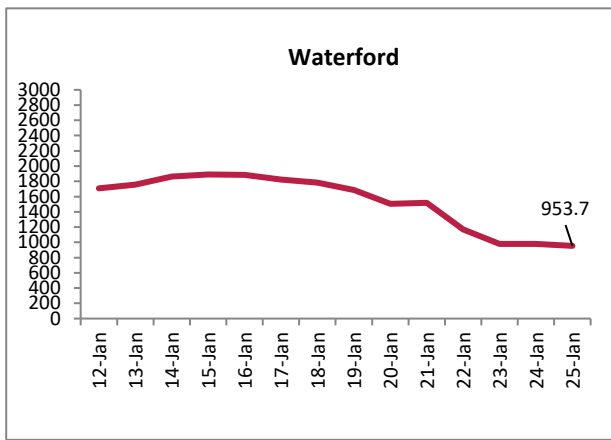
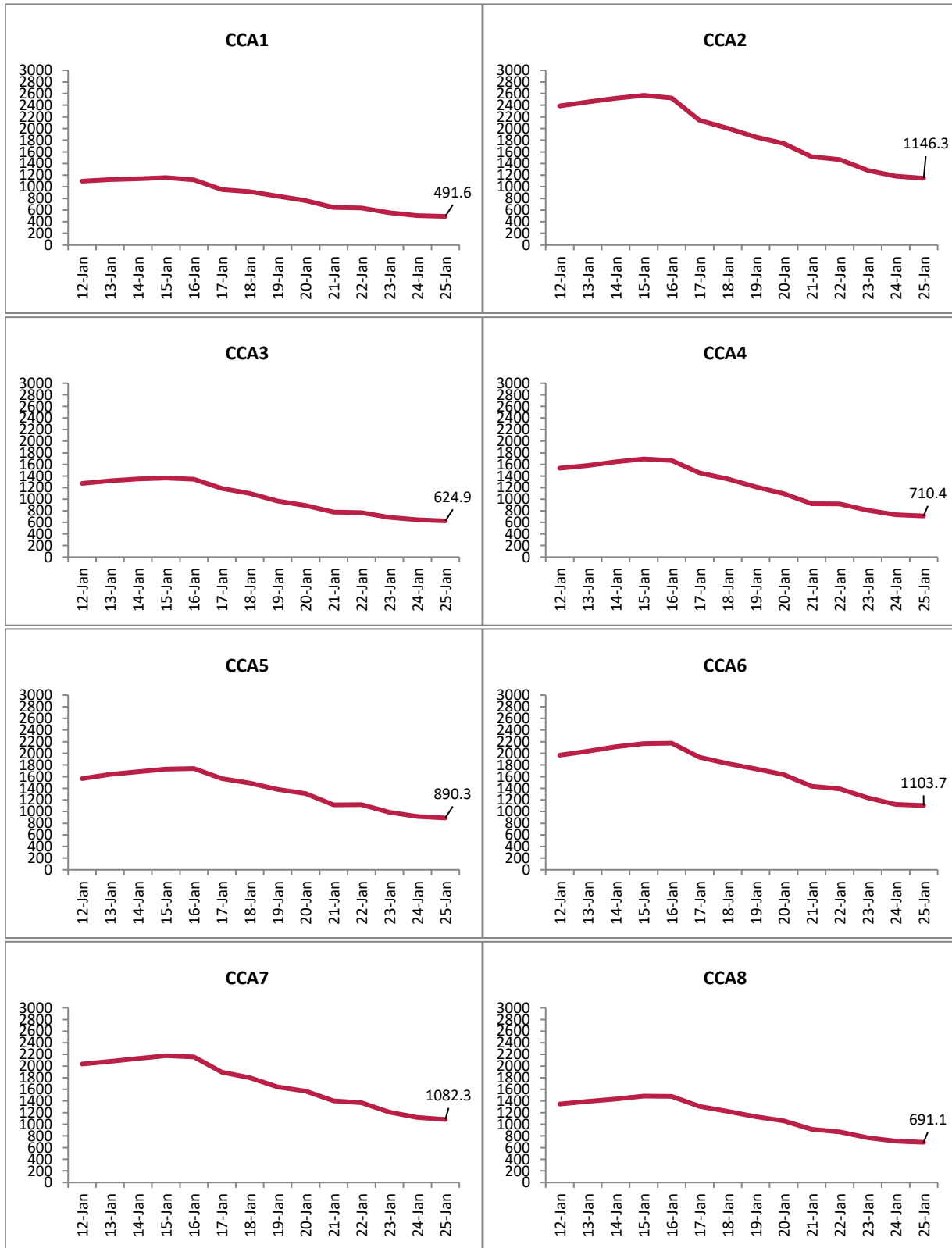


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (12/01/2021 to 25/01/2021)



Report prepared by Health Protection Surveillance Centre on 26/01/2021