



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 31/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 17/01/2021 up to midnight 30/01/2021

	Number	Percent
Total number of confirmed cases	23,856	
National incidence of confirmed cases per 100,000 population	500.98	
Number of cases hospitalised*	1,564	6.56
Number of cases admitted to ICU*	60	0.25
Number of deaths among confirmed cases	161	0.67
Case fatality ratio (CFR, %)	0.67	
National incidence of confirmed deaths per 100,000 population	3.38	
Number of cases** associated with clusters	2,997	12.56
Number of imported cases	22	0.09
Number of cases in healthcare workers	3,019	12.66
Males	11,105	46.55
Females	12,711	53.28
M:F ratio	0.87	
Median age (years)	41	
Mean age (years)	43	
Age range (years)	0 - 105	

* 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
17/01/2021 - 30/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 15:11 on 31/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

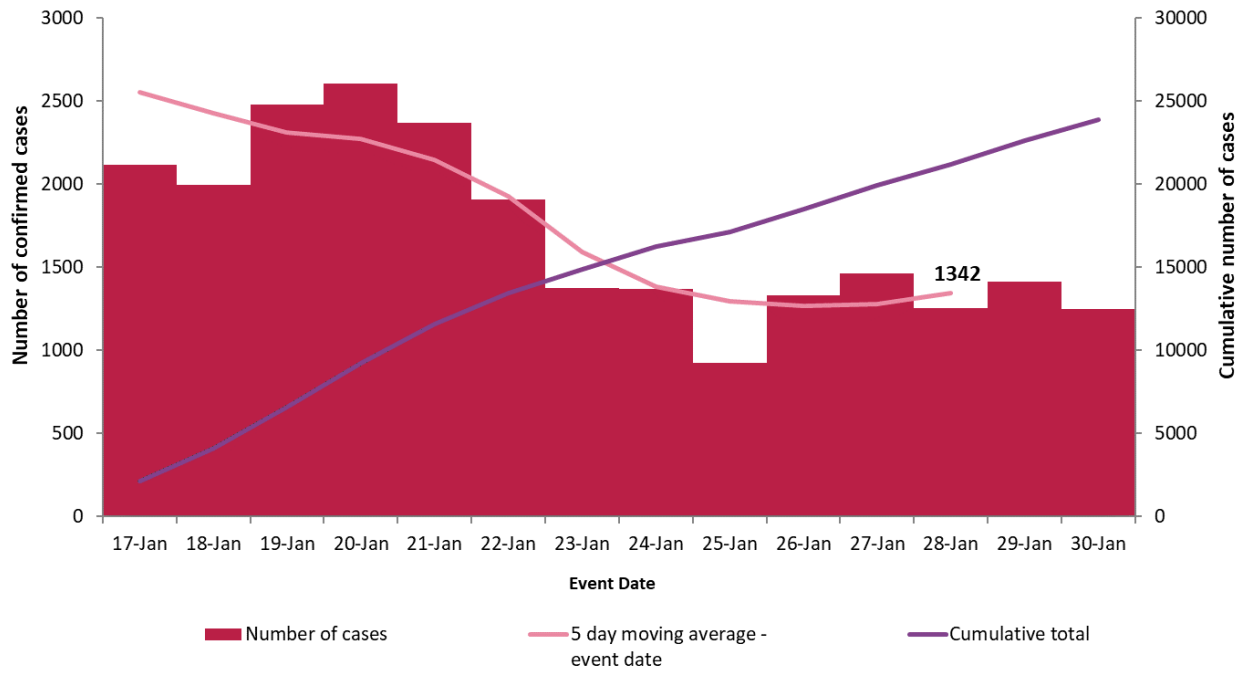


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=23,856)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 17/01/2021 up to midnight on 30/01/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		23,856	100
Sex	Male:Female ratio	0.87	
	Male	11,105	46.55
	Female	12,711	53.28
	Unknown	40	0.17
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	603	2.53
	5-12 yrs	855	3.58
	13-18 yrs	1,237	5.19
	19-24 yrs	2,420	10.14
	25-34 yrs	4,102	17.19
	35-44 yrs	4,101	17.19
	45-54 yrs	3,815	15.99
	55-64 yrs	2,767	11.6
	65-74 yrs	1,429	5.99
	75-84 yrs	1,341	5.62
	85+ yrs	1,169	4.9
	Unknown	17	0.07
Underlying clinical conditions	Yes	1,576	6.61
	No	16,831	70.55
	Unknown	5,449	22.84
Symptom status at time of test*	Yes	15,086	63.24
	No	3,011	12.62
	Unknown	5,759	24.14

*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 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 17/01/2021 to midnight 30/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,089	533.9
CHO2	1,985	438.1
CHO3	1,607	417.4
CHO4	2,667	386.2
CHO5	2,719	532.8
CHO6	1,953	509.7
CHO7	3,578	505.6
CHO8	3,111	502.4
CHO9	4,146	667.2
Unknown	1	
Total	23,856	501.0

Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 17/01/2021 to midnight 30/01/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (26/01/2021-30/01/2021)
Monaghan	657	1070.3	45
Louth	951	737.9	57
Carlow	413	725.4	22
Waterford	801	689.5	48
Wexford	950	634.5	50
Dublin	8,177	606.9	421
Mayo	744	570.1	42
Meath	983	504.0	54
Offaly	390	500.3	23
Limerick	966	495.6	49
Cavan	374	491.0	14
Donegal	764	479.9	41
Kildare	1,007	452.6	49
Galway	1,101	426.6	56
Cork	2,315	426.4	128
Longford	158	386.6	11
Tipperary	613	384.2	29
Laois	321	379.0	17
Sligo	235	358.6	10
Wicklow	494	346.8	27
Westmeath	283	318.8	19
Clare	367	308.9	20
Kerry	352	238.3	17
Kilkenny	233	234.8	13
Roscommon	140	216.9	5
Leitrim	67	209.1	3
Total	23,856	501.0	1,342

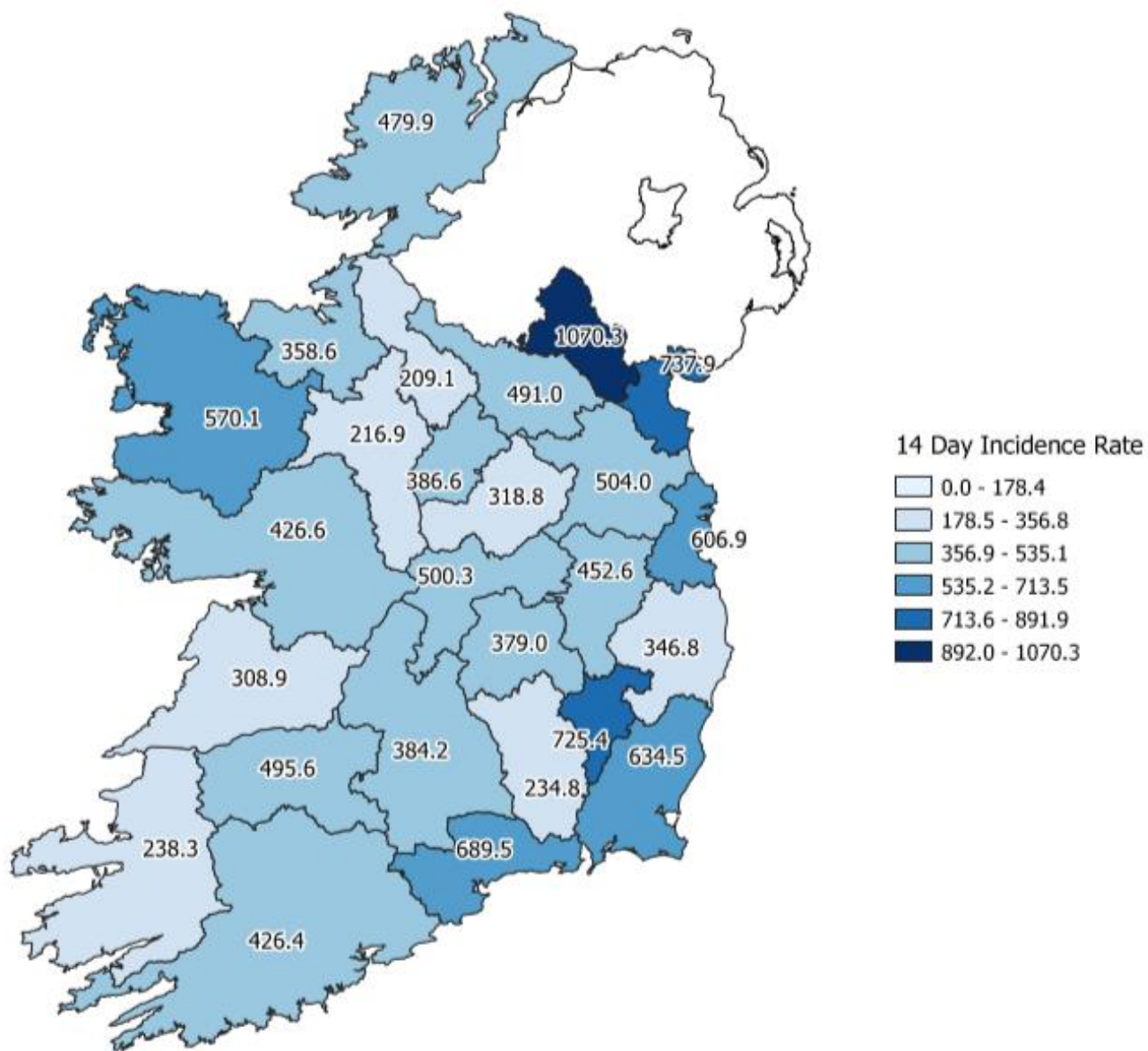


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 17/01/2021 and 30/01/2021

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 17/01/2021 and 30/01/2021

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	519	381.4
CCA2	Dublin South East	956	772.8
CCA3	Dublin South City	639	426.2
CCA4	Dublin South West	790	491.0
CCA5	Dublin West	1,127	725.5
CCA6	Dublin North West	1,695	816.2
CCA7	Dublin North Central	1,243	804.1
CCA8	Dublin North	1,208	466.1
	Dublin	8177	606.9

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.

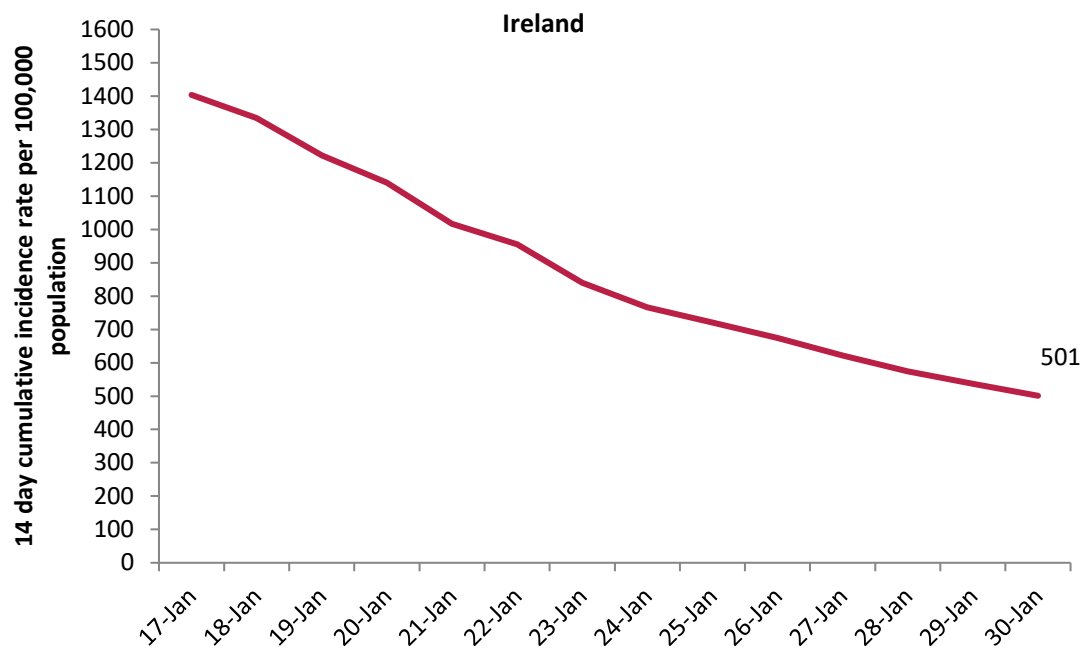


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (17/01/2021 to 30/01/2021)

*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 17/01/2021 to midnight 30/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	129	0.54%
Close contact with a known confirmed case	7959	33.36%
Healthcare setting acquired: patient	1629	6.83%
Healthcare setting acquired: staff	1574	6.60%
Community transmission	4103	17.20%
Under investigation	8462	35.47%
Total	23856	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 17/01/2021 to midnight 30/01/2021 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	603	18	1.15	0	0
5-12 yrs	855	10	0.64	0	0
13-18 yrs	1237	26	1.66	<5	
19-24 yrs	2420	63	4.03	0	0
25-34 yrs	4102	115	7.35	<5	
35-44 yrs	4101	117	7.48	6	10.00
45-54 yrs	3815	157	10.04	6	10.00
55-64 yrs	2767	201	12.85	21	35.00
65-74 yrs	1429	232	14.83	12	20.00
75-84 yrs	1341	369	23.59	8	13.33
85+ yrs	1169	256	16.37	<5	
Unknown	17			0	0
Total	23,856	1564	100	60	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 17/01/2021 up to midnight 30/01/2021

	Number	Percent
Total number of deaths	165	
Confirmed	161	97.58
Probable	3	1.82
Possible	1	0.61
Total number of cases hospitalised	78	47.27
Total number of male cases	81	45.41
M:F ratio	0.96	
Median age (years)	84	
Mean age (years)	82	
Age range (years)	30 - 99	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 17/01/2021 up to midnight 30/01/2021

Age group (years)	Female	Male	Total	Percent
25-64 yrs	4	6	10	6.06
65-74 yrs	9	9	18	10.91
75-84 yrs	28	37	65	39.39
85+ yrs	43	29	72	43.64
Total	84	81	165	100
Percent	50.91	49.09		

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 15:11 on 1/31/21. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

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.

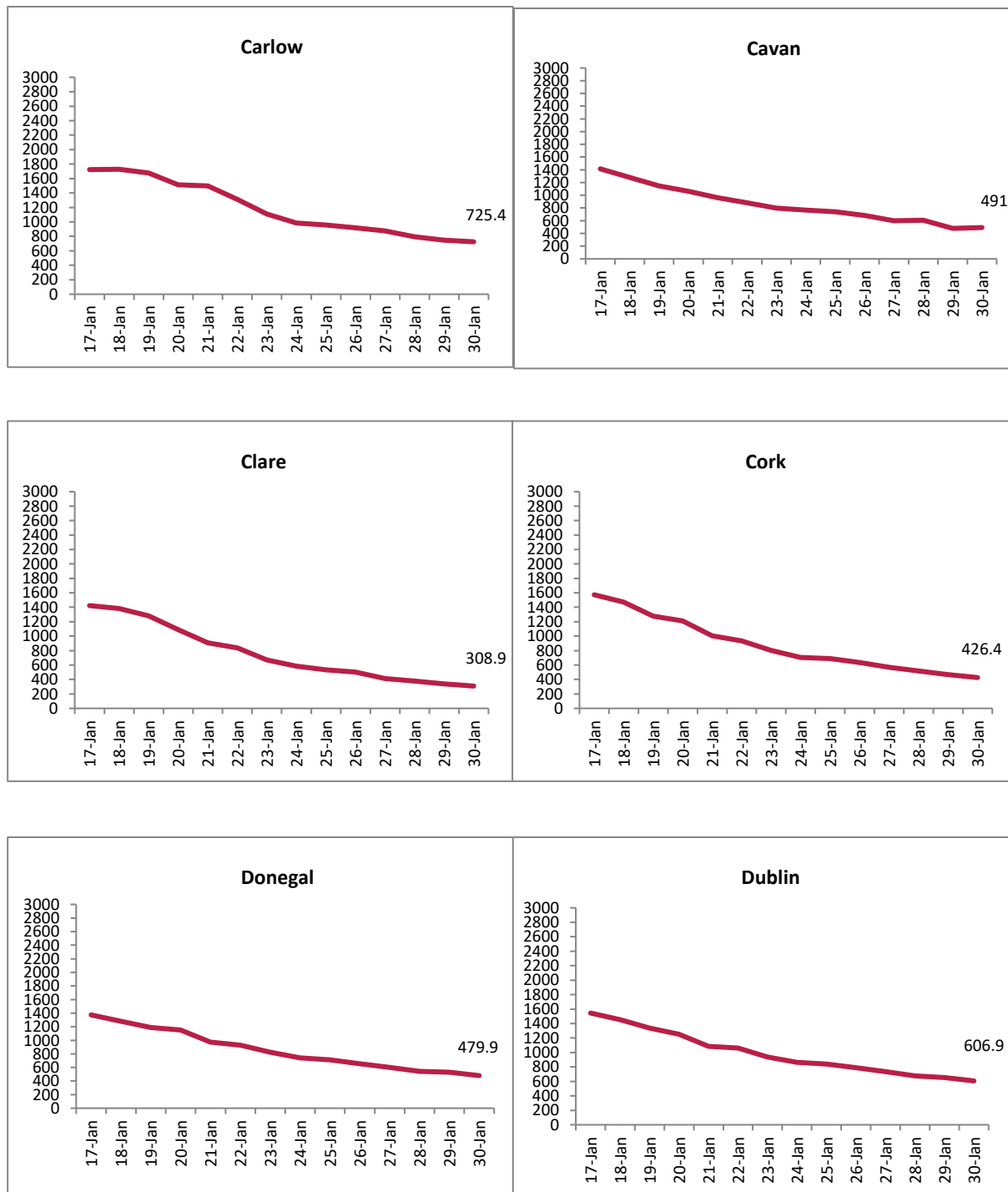
5. Outbreak location

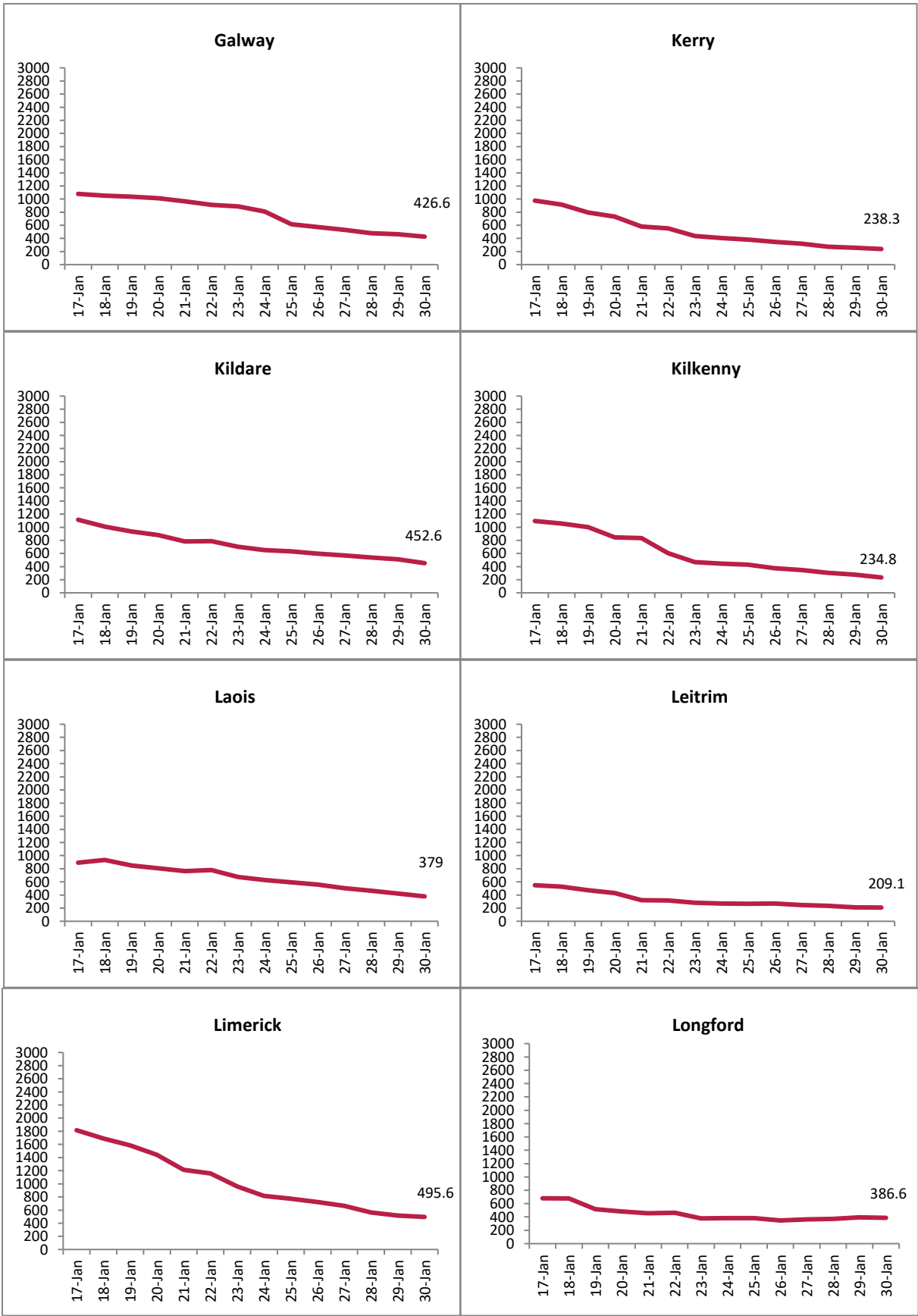
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

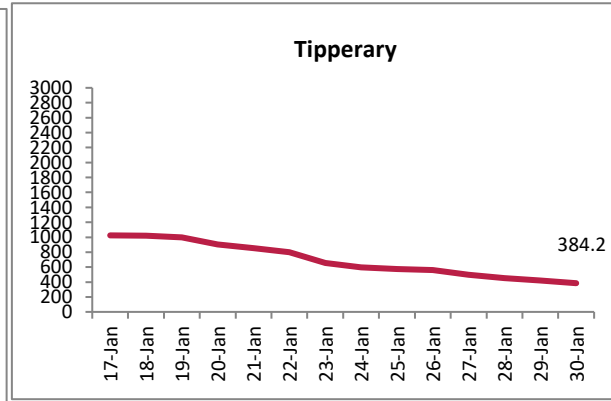
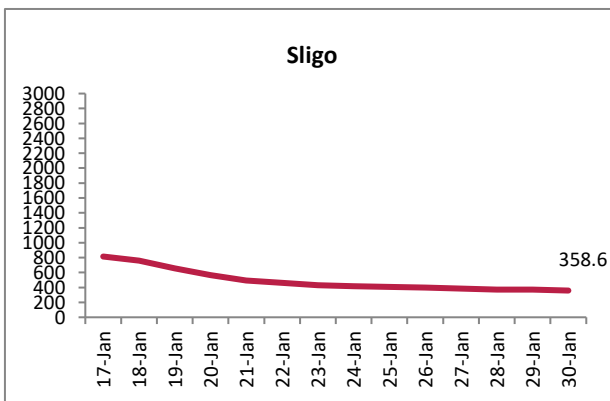
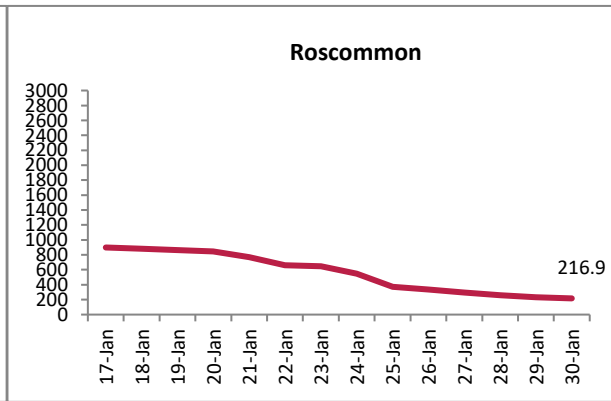
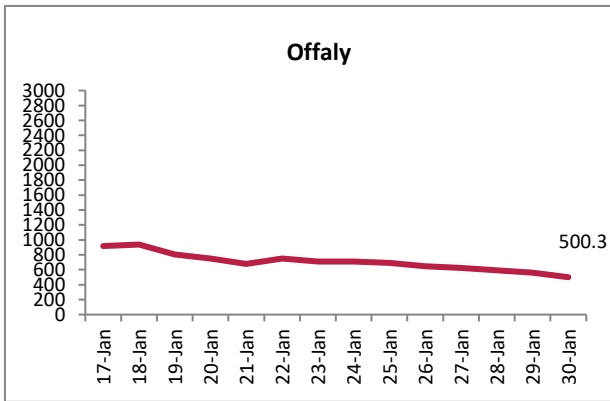
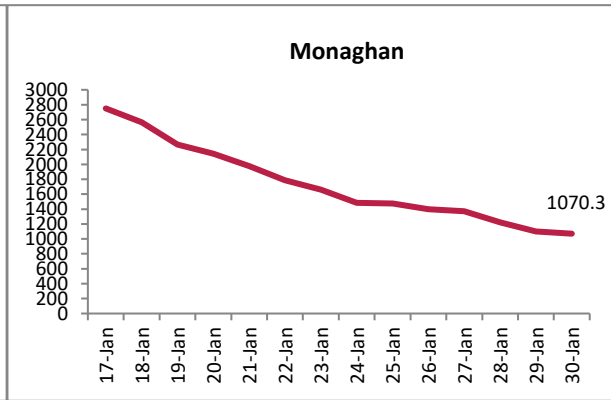
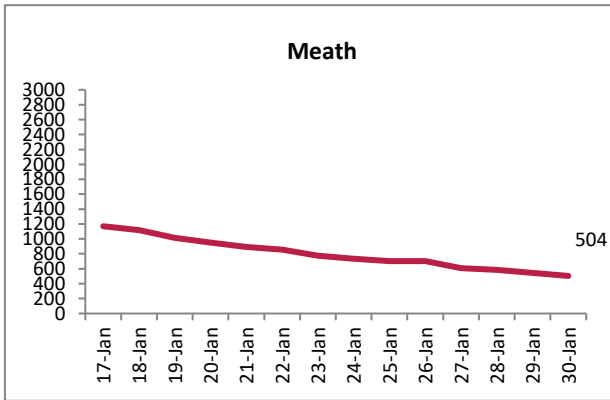
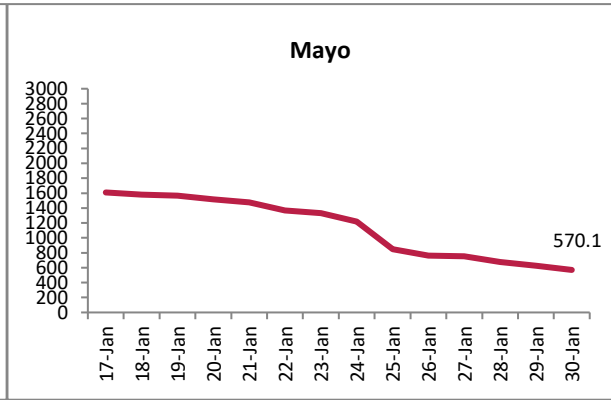
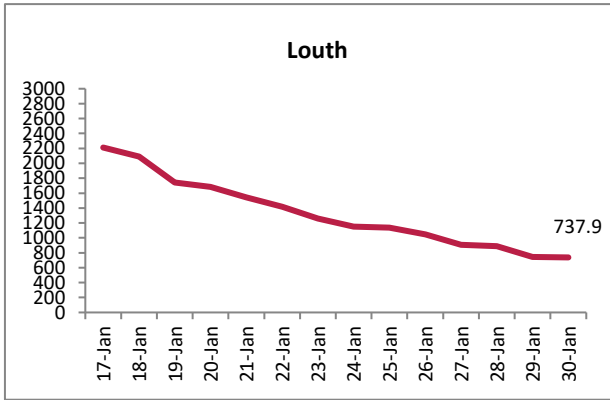
Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (17/01/2021 to 30/01/2021)







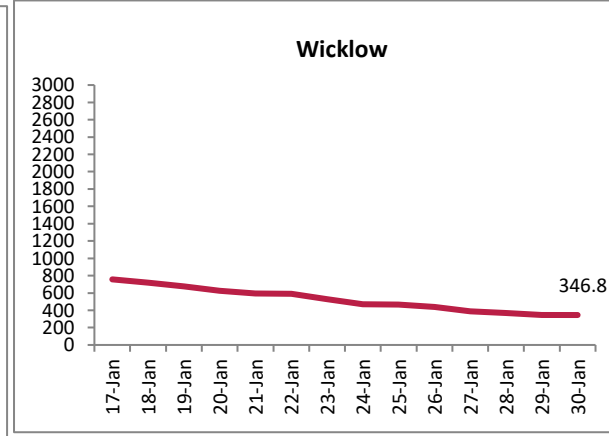
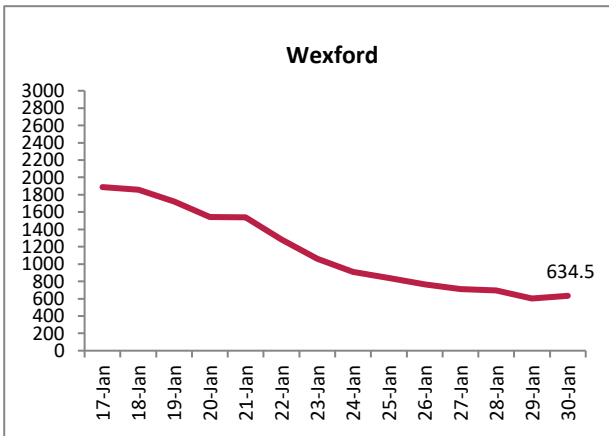
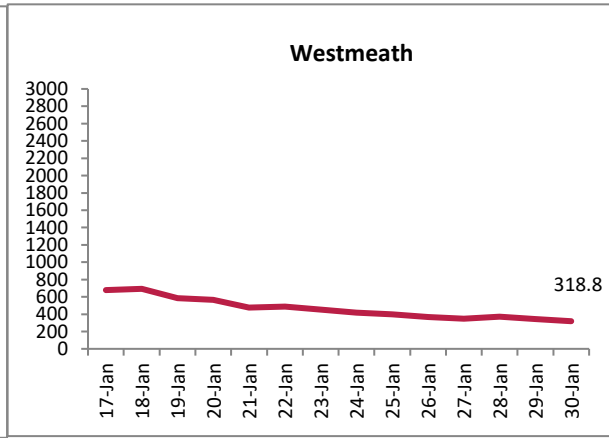
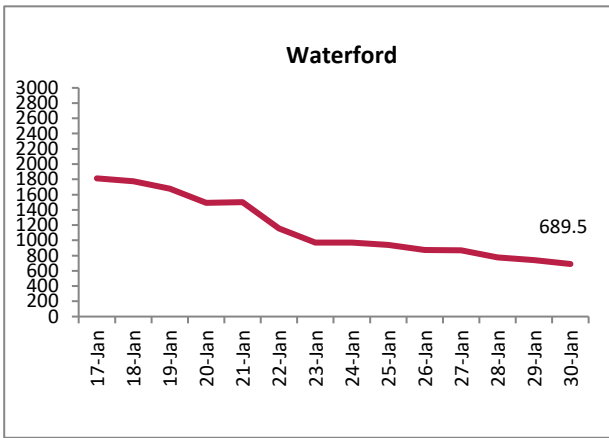
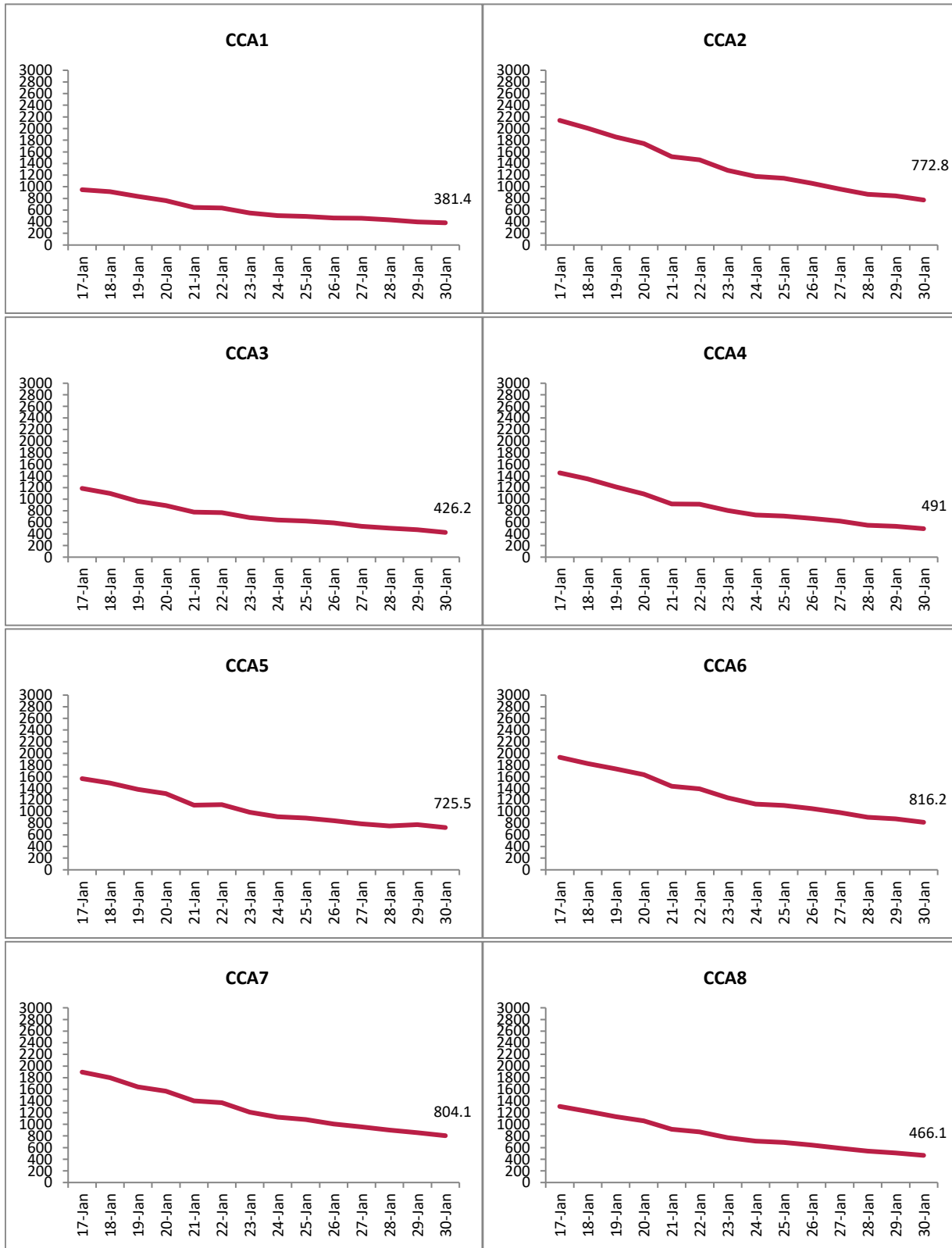


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (17/01/2021 to 30/01/2021)



Report prepared by Health Protection Surveillance Centre on 31/01/2021