



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 03/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 20/01/2021 up to midnight 02/02/2021

	Number	Percent
Total number of confirmed cases	20,197	
National incidence of confirmed cases per 100,000 population	424.14	
Number of cases hospitalised*	1,362	6.74
Number of cases admitted to ICU*	50	0.25
Number of deaths among confirmed cases	164	0.81
Case fatality ratio (CFR, %)	0.81	
National incidence of confirmed deaths per 100,000 population	3.44	
Number of cases** associated with clusters	3,093	15.31
Number of imported cases	13	0.06
Number of cases in healthcare workers	2,472	12.24
Males	9,508	47.08
Females	10,658	52.77
M:F ratio	0.89	
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
20/01/2021 - 02/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:14 on 03/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

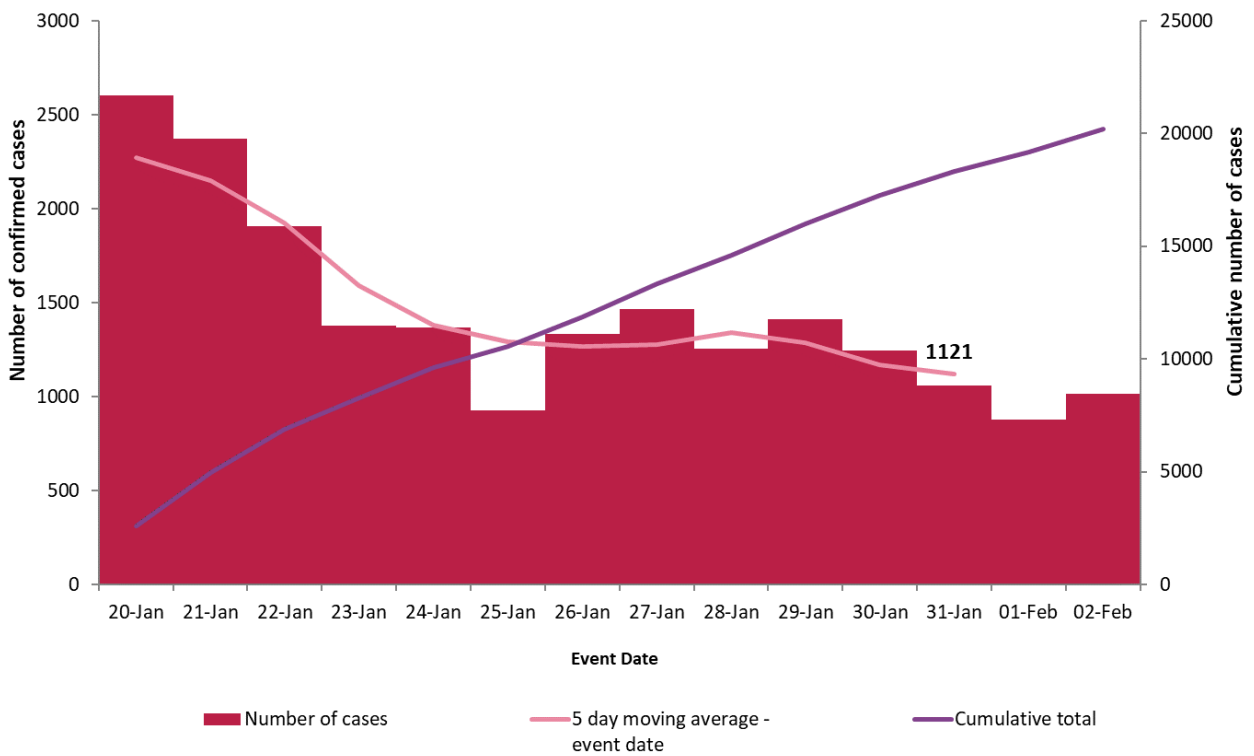


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=20,197)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 20/01/2021 up to midnight on 02/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		20,197	100
Sex	Male:Female ratio	0.89	
	Male	9,508	47.08
	Female	10,658	52.77
	Unknown	31	0.15
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	557	2.76
	5-12 yrs	781	3.87
	13-18 yrs	1,054	5.22
	19-24 yrs	2,065	10.22
	25-34 yrs	3,441	17.04
	35-44 yrs	3,451	17.09
	45-54 yrs	3,165	15.67
	55-64 yrs	2,293	11.35
	65-74 yrs	1,192	5.9
	75-84 yrs	1,147	5.68
	85+ yrs	1,040	5.15
	Unknown	11	0.05
Underlying clinical conditions	Yes	1,487	7.36
	No	14,355	71.07
	Unknown	4,355	21.56
Symptom status at time of test*	Yes	12,875	63.75
	No	2,703	13.38
	Unknown	4,619	22.87

*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 20/01/2021 to midnight 02/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,717	438.8
CHO2	1,710	377.4
CHO3	1,274	330.9
CHO4	2,117	306.6
CHO5	2,339	458.3
CHO6	1,621	423.1
CHO7	3,049	430.8
CHO8	2,722	439.5
CHO9	3,646	586.7
Unknown	2	
Total	20,197	424.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 20/01/2021 to midnight 02/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (29/01/2021-02/02/2021)
Monaghan	549	894.3	24
Louth	835	647.9	41
Waterford	746	642.1	43
Carlow	334	586.7	18
Wexford	832	555.7	49
Dublin	7,065	524.4	419
Offaly	361	463.1	17
Mayo	596	456.7	30
Meath	851	436.3	41
Donegal	630	395.7	32
Galway	1,006	389.8	72
Limerick	740	379.7	38
Kildare	815	366.3	45
Longford	147	359.7	6
Cavan	270	354.4	13
Cork	1,839	338.8	93
Sligo	215	328.1	14
Tipperary	496	310.9	27
Laois	261	308.2	16
Wicklow	438	307.5	22
Westmeath	245	276.0	12
Clare	280	235.7	12
Kilkenny	199	200.5	10
Leitrim	61	190.4	4
Kerry	278	188.2	15
Roscommon	108	167.3	6
Total	20,197	424.1	1,121

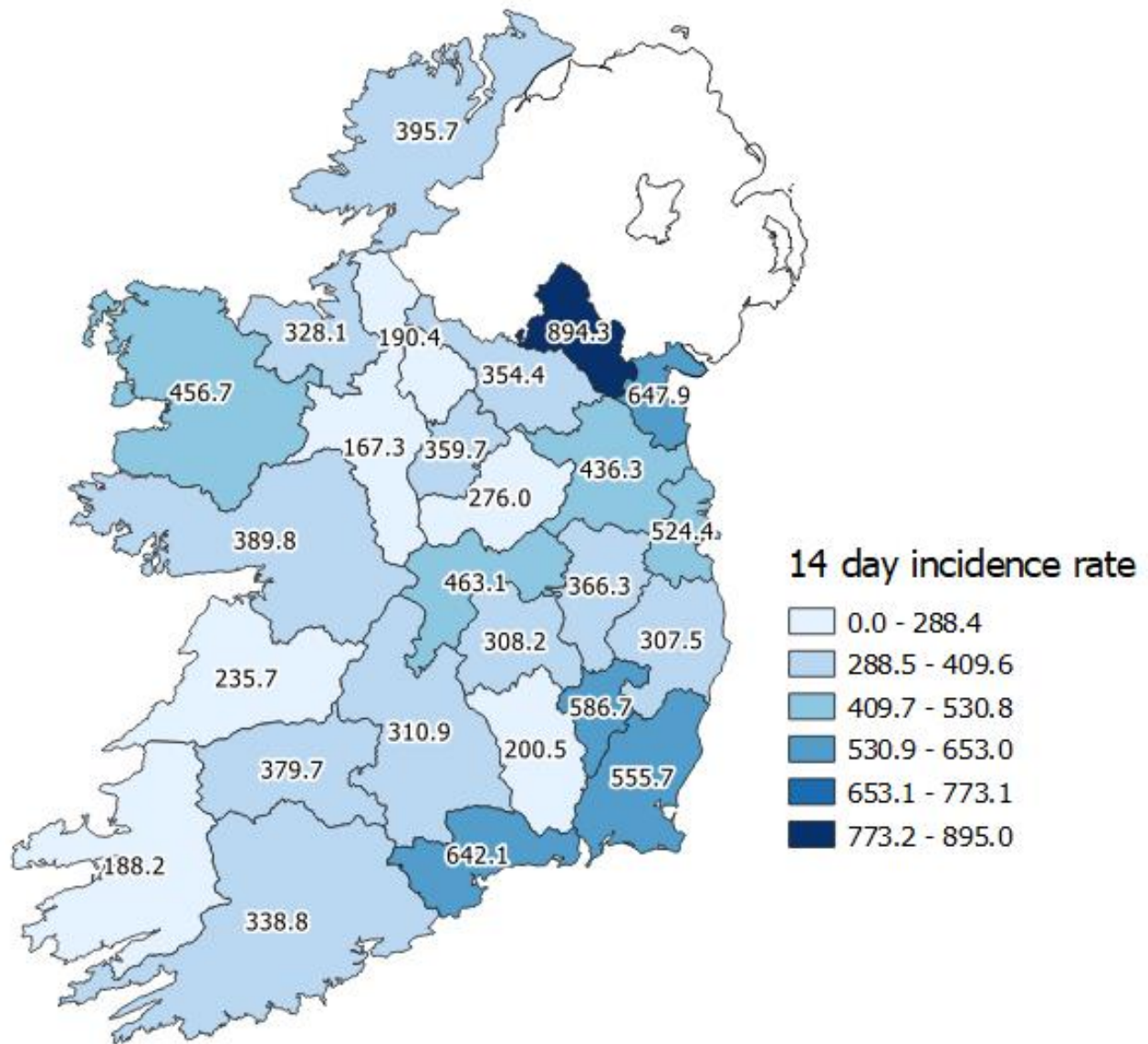


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 20/01/2021 and 02/02/2021

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 20/01/2021 and 02/02/2021

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	432	317.5
CCA2	Dublin South East	764	617.6
CCA3	Dublin South City	532	354.8
CCA4	Dublin South West	670	416.4
CCA5	Dublin West	1,019	656.0
CCA6	Dublin North West	1,509	726.6
CCA7	Dublin North Central	1,075	695.4
CCA8	Dublin North	1,062	409.8
	Unknown	2	
	Dublin	7,065	524.4

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.

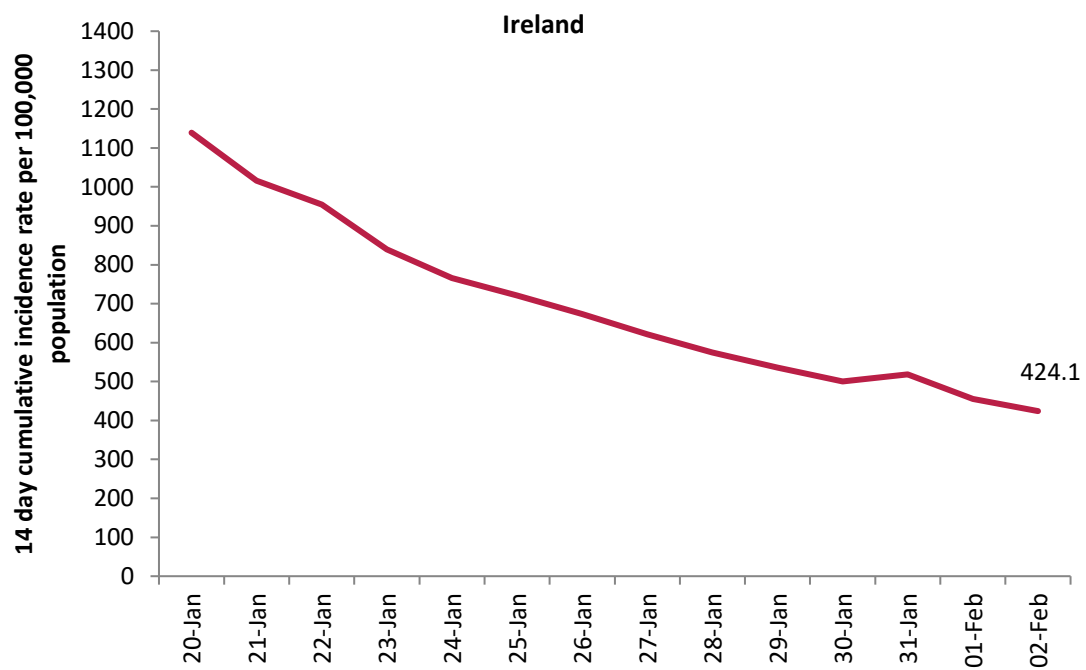


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (20/01/2021 to 02/02/2021)

*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 20/01/2021 to midnight 02/02/2021

Most likely transmission source	Number of cases	Percent
Travel related *	117	0.58%
Close contact with a known confirmed case	7,094	35.12%
Healthcare setting acquired: patient	1,427	7.07%
Healthcare setting acquired: staff	1,359	6.73%
Community transmission	3,687	18.26%
Under investigation	6,513	32.25%
Total	20,197	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 20/01/2021 to midnight 02/02/2021 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	557	17	1.25	0	0
5-12 yrs	781	13	0.95	0	0
13-18 yrs	1054	19	1.40	1	2
19-24 yrs	2065	58	4.26	1	2
25-34 yrs	3441	118	8.66	3	6
35-44 yrs	3451	96	7.05	6	12
45-54 yrs	3165	140	10.28	6	12
55-64 yrs	2293	167	12.26	15	30
65-74 yrs	1192	212	15.57	12	24
75-84 yrs	1147	306	22.47	4	8
85+ yrs	1040	216	15.86	2	4
Unknown	11			0	0
Total	20,197	1362	100	50	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 20/01/2021 up to midnight 02/02/2021

	Number	Percent
Total number of deaths	169	
Confirmed	164	97.04
Probable	1	0.59
Possible	4	2.37
Total number of cases hospitalised	77	45.56
Total number of male cases	87	51.48
M:F ratio	1.06	
Median age (years)	84	
Mean age (years)	82	
Age range (years)	19 - 101	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 20/01/2021 up to midnight 02/02/2021

Age group (years)	Female	Male	Total	Percent
19-54 yrs	<5	<5	<5	2.37
55-64 yrs	<5	<5	7	4.14
65-74 yrs	8	11	19	11.24
75-84 yrs	25	36	61	36.09
85+ yrs	44	34	78	46.15
Total	82	87	169	100
Percent	48.52	51.48		

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 08:14 on 03/02/2021. 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. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 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.

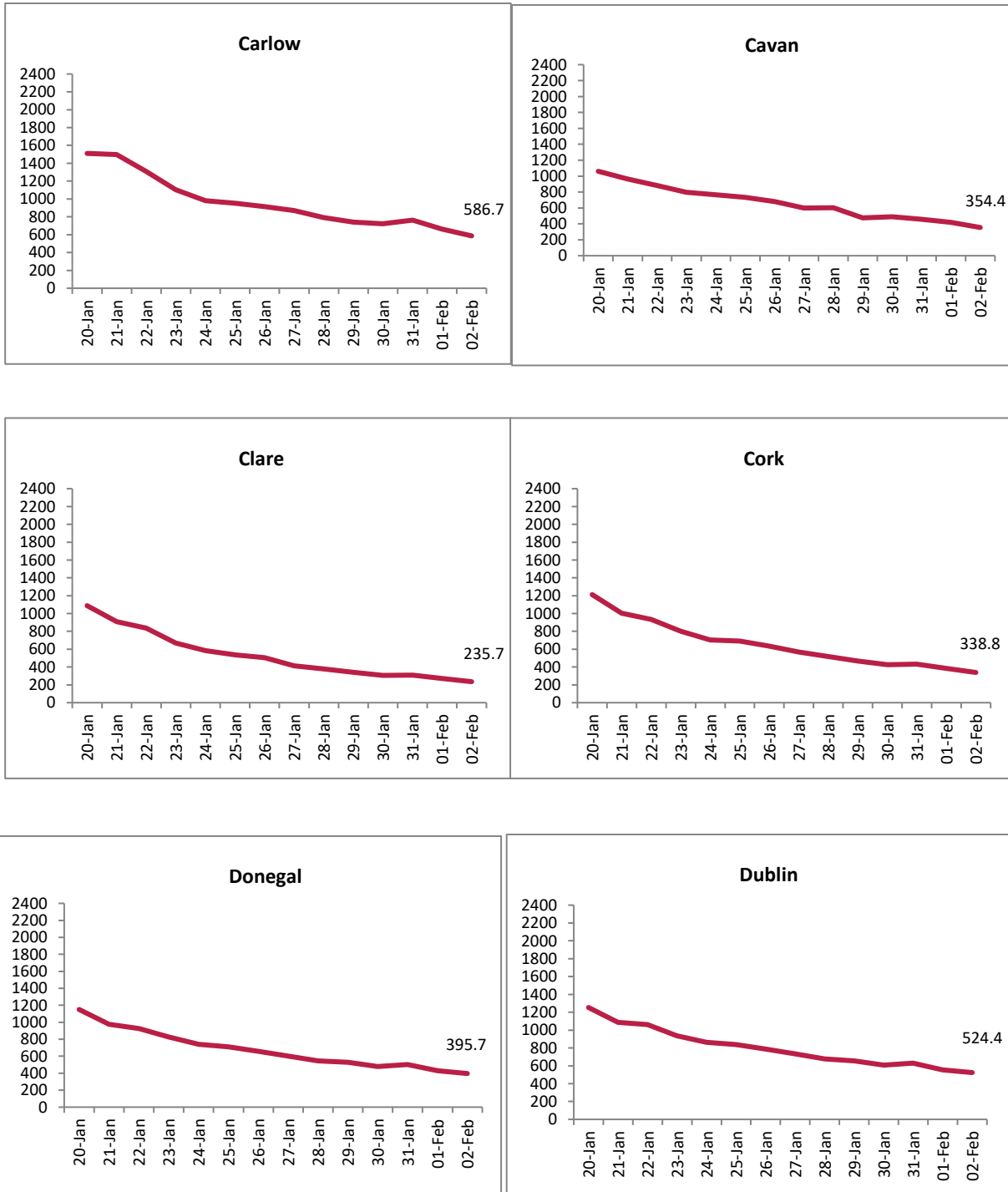
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

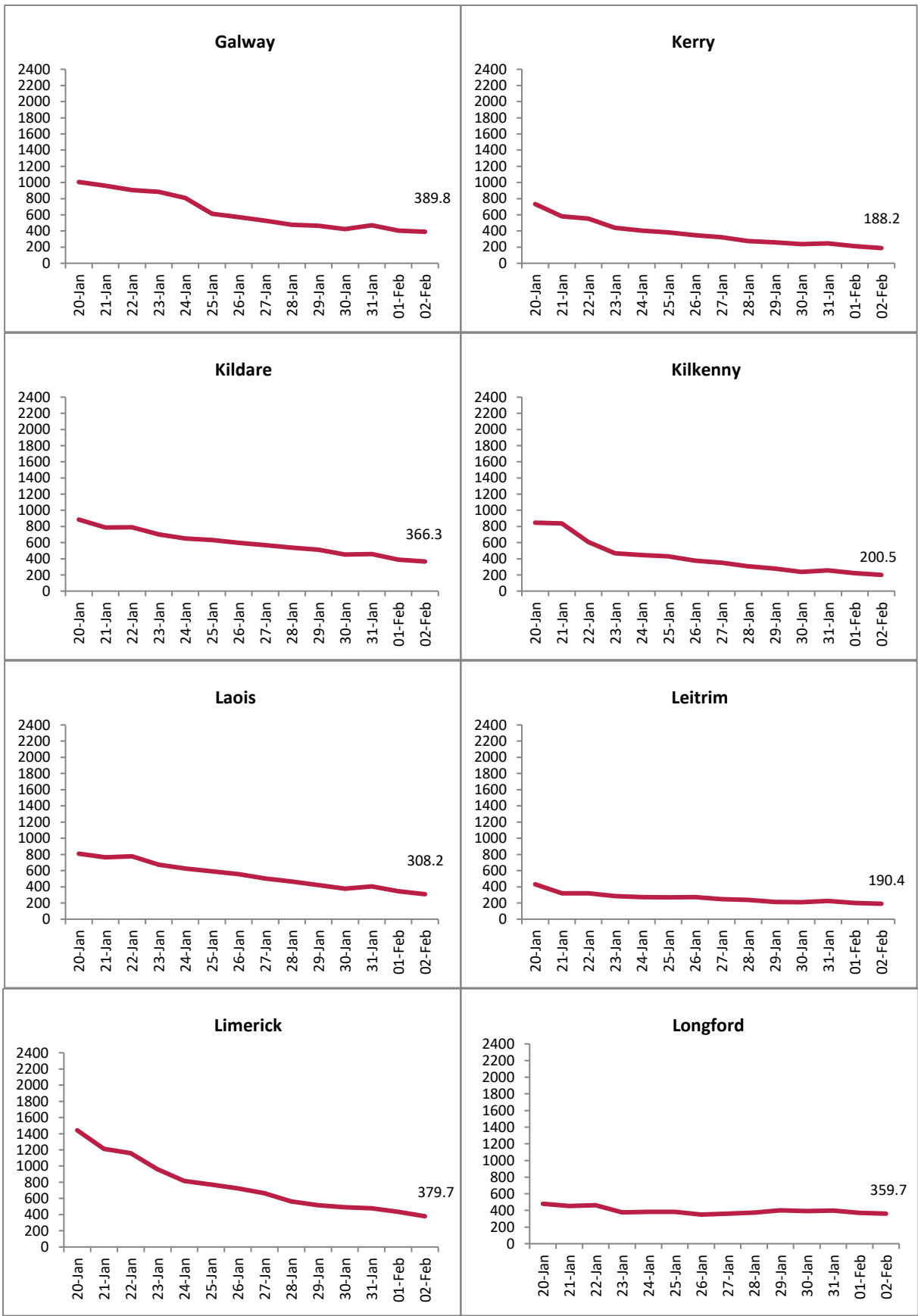
WHO definition of transmission classification is specified below:

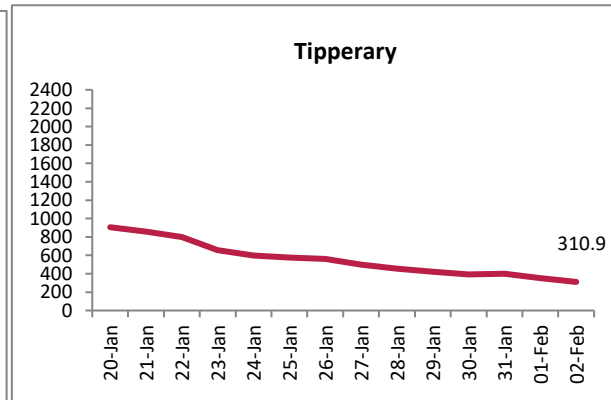
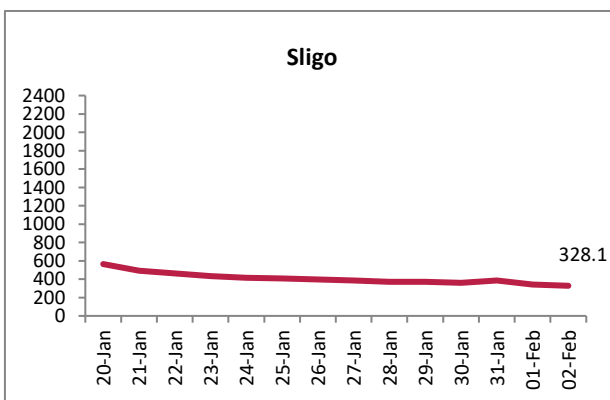
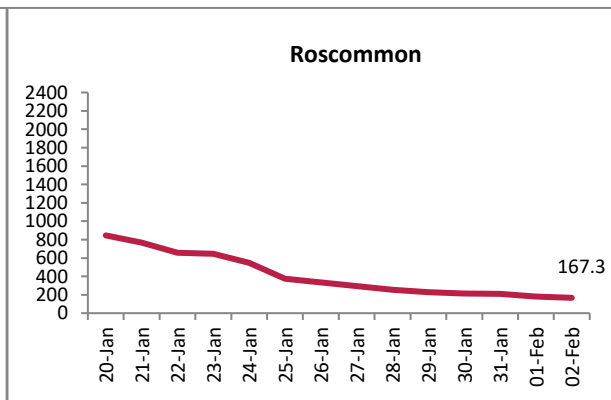
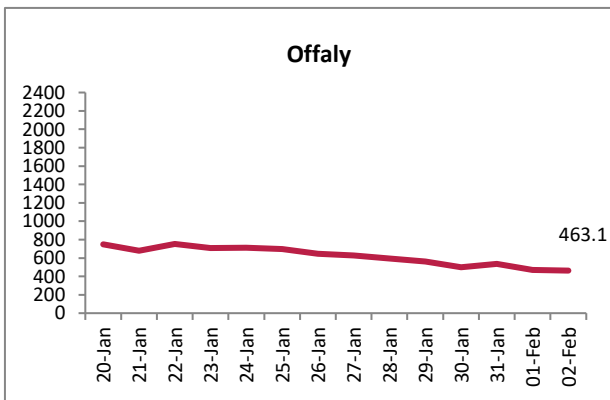
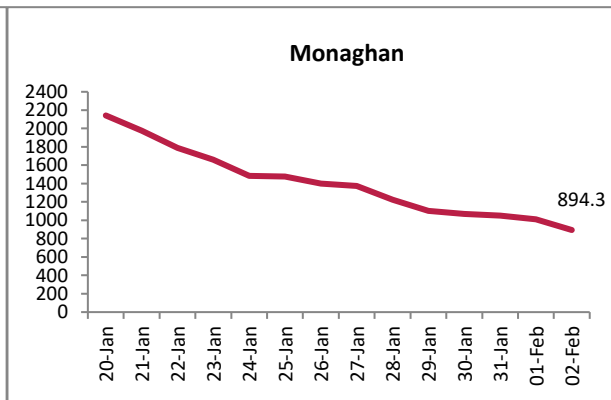
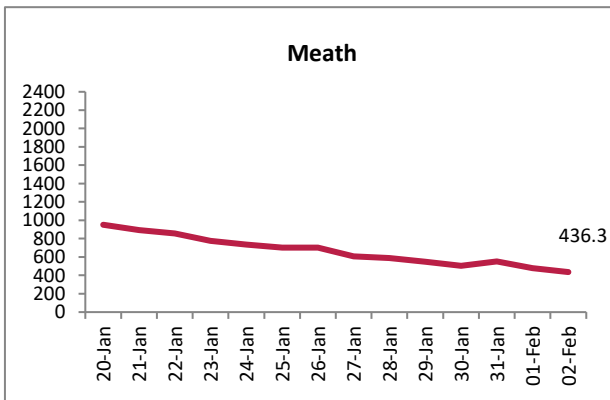
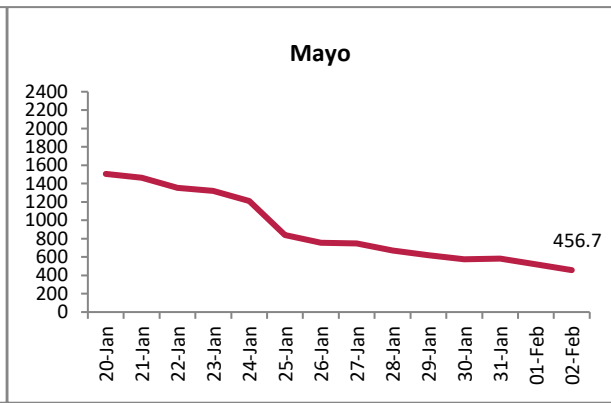
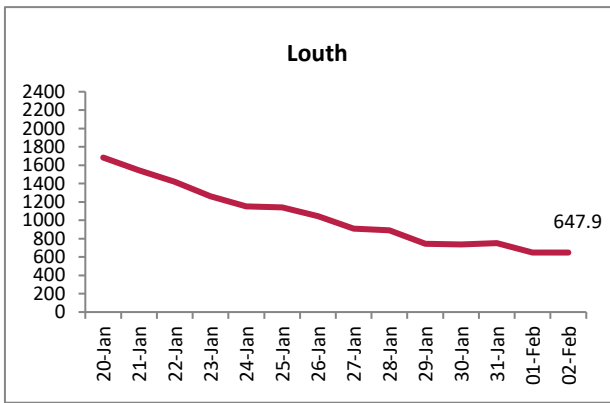
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (20/01/2021 to 02/02/2021)







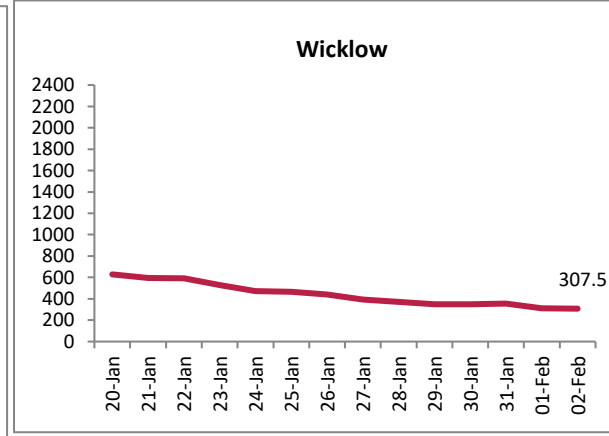
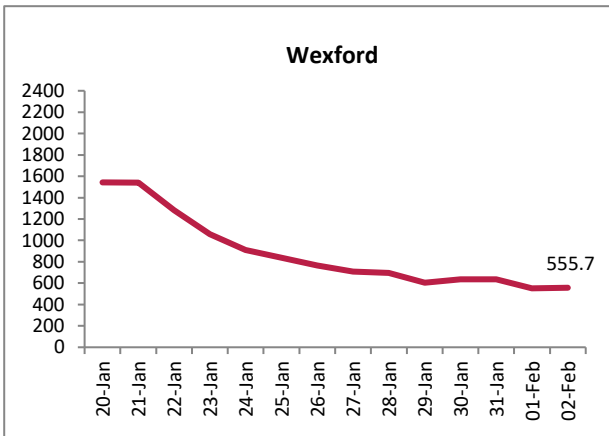
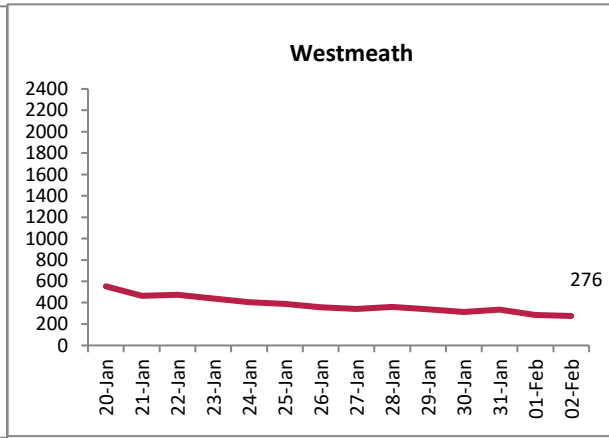
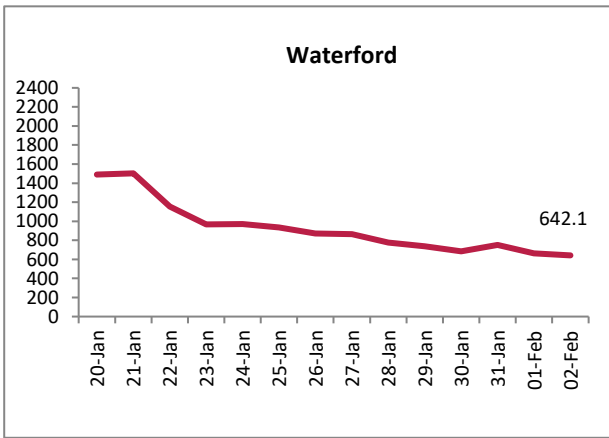
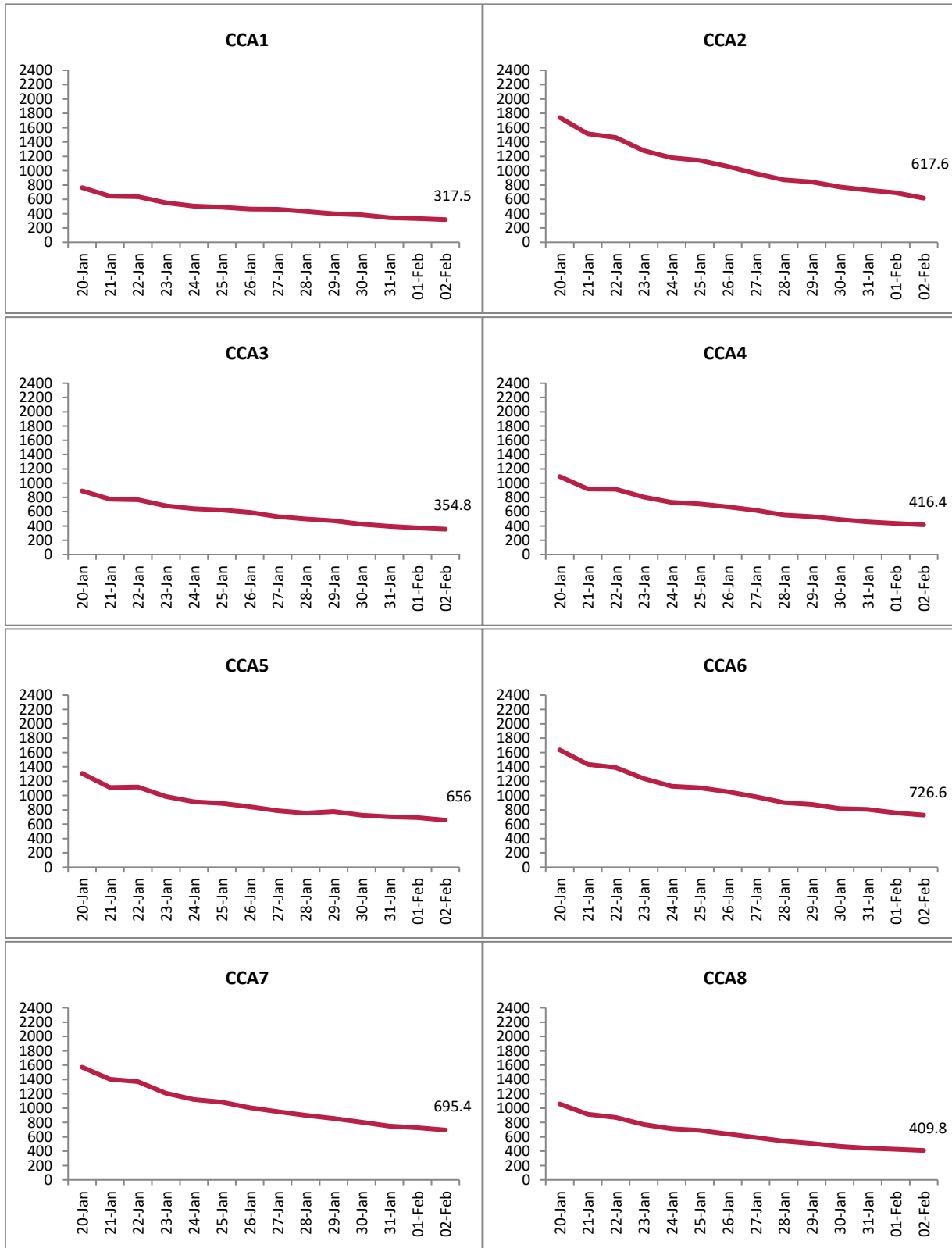


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (20/01/2021 to 02/02/2021)



Report prepared by Health Protection Surveillance Centre on 03/02/2021