



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/02/2021 up to midnight 19/02/2021

	Number	Percent
Total number of confirmed cases	11,914	
National incidence of confirmed cases per 100,000 population	250.2	
Number of cases hospitalised*	818	6.87
Number of cases admitted to ICU*	45	0.38
Number of deaths among confirmed cases	44	0.37
Case fatality ratio (CFR, %)	0.37	
National incidence of confirmed deaths per 100,000 population	0.92	
Number of cases** associated with clusters	1,349	11.32
Number of imported cases	10	0.08
Number of cases in healthcare workers	690	5.79
Males	5,908	49.59
Females	5,985	50.24
M:F ratio	0.99	
Median age (years)	34	
Mean age (years)	36	
Age range (years)	0 - 102	

* 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
06/02/2021 - 19/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:35 on 20/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

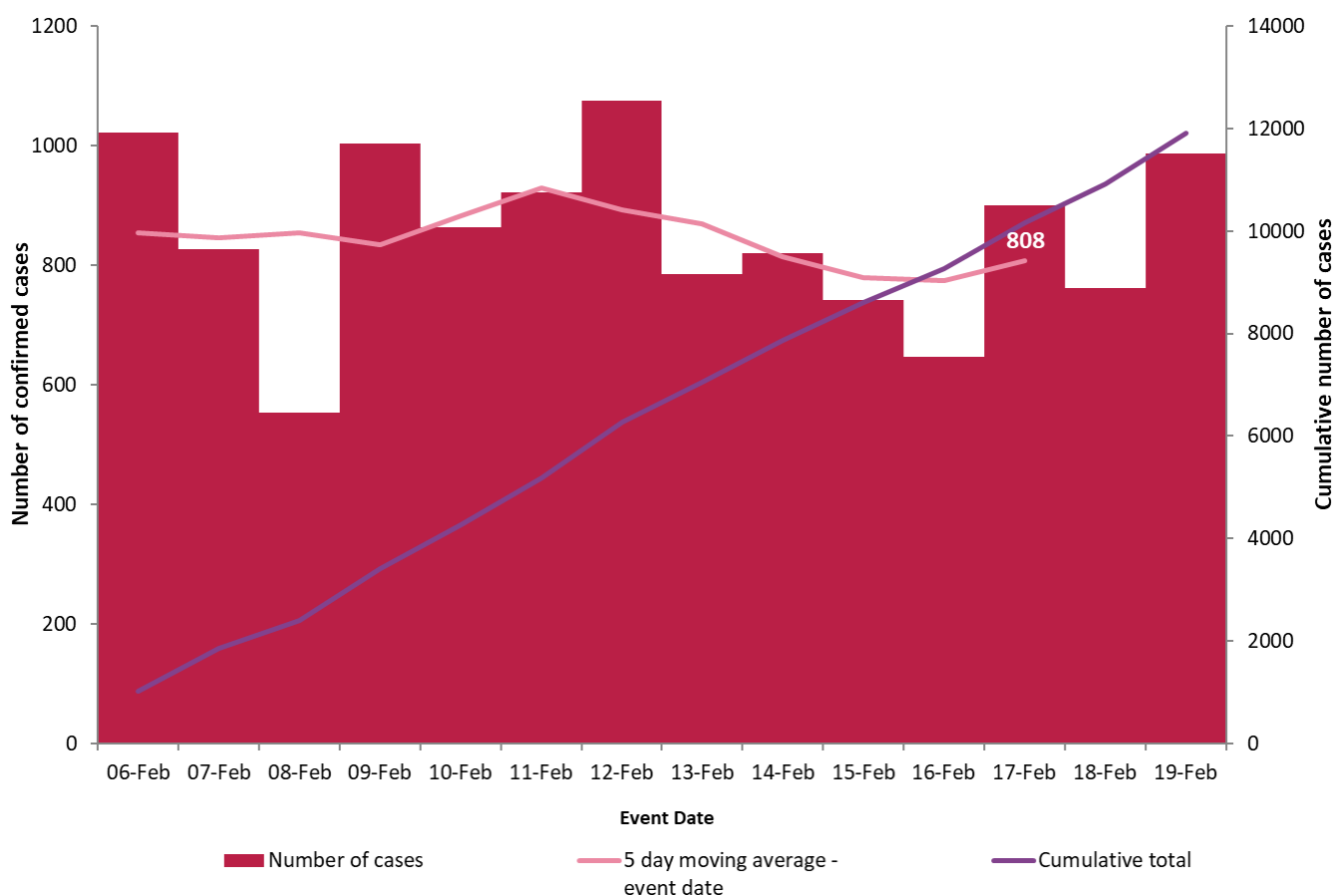


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=11,914)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/02/2021 up to midnight on 19/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		11,914	100
Sex	Male:Female ratio	0.99	
	Male	5,908	49.59
	Female	5,985	50.24
	Unknown	21	0.18
Age	Median age (years)	34	
	Mean age (years)	36	
	Age range (years)	0 - 102	
	0-4 yrs	617	5.18
	5-12 yrs	915	7.68
	13-18 yrs	950	7.97
	19-24 yrs	1,707	14.33
	25-34 yrs	1,936	16.25
	35-44 yrs	1,846	15.49
	45-54 yrs	1,535	12.88
	55-64 yrs	1,075	9.02
	65-74 yrs	566	4.75
	75-84 yrs	470	3.94
	85+ yrs	296	2.48
	Unknown	1	0.01
Symptom status at time of test*	Yes	7,101	59.6
	No	2,393	20.09
	Unknown	2,420	20.31

*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 06/02/2021 to midnight 19/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	822	210.1
CHO2	1,273	280.9
CHO3	762	197.9
CHO4	663	96.0
CHO5	998	195.6
CHO6	993	259.2
CHO7	1,905	269.2
CHO8	1,836	296.5
CHO9	2,661	428.2
Unknown	1	
Total	11,914	250.2

Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 06/02/2021 to midnight 19/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (15/02/2021-19/02/2021)
Offaly	319	409.2	27
Monaghan	237	386.1	15
Dublin	4,777	354.5	312
Galway	860	333.3	65
Laois	260	307.0	21
Louth	378	293.3	25
Longford	117	286.3	12
Meath	540	276.9	34
Waterford	318	273.7	25
Cavan	207	271.7	9
Kildare	600	269.7	47
Mayo	336	257.5	26
Limerick	494	253.5	36
Westmeath	220	247.8	14
Carlow	133	233.6	8
Wexford	275	183.7	14
Tipperary	279	174.9	26
Leitrim	50	156.0	4
Donegal	247	155.2	15
Clare	167	140.6	12
Wicklow	183	128.5	11
Sligo	82	125.1	4
Roscommon	77	119.3	5
Cork	581	107.0	32
Kilkenny	95	95.7	6
Kerry	82	55.5	2
Total	11,914	250.2	808

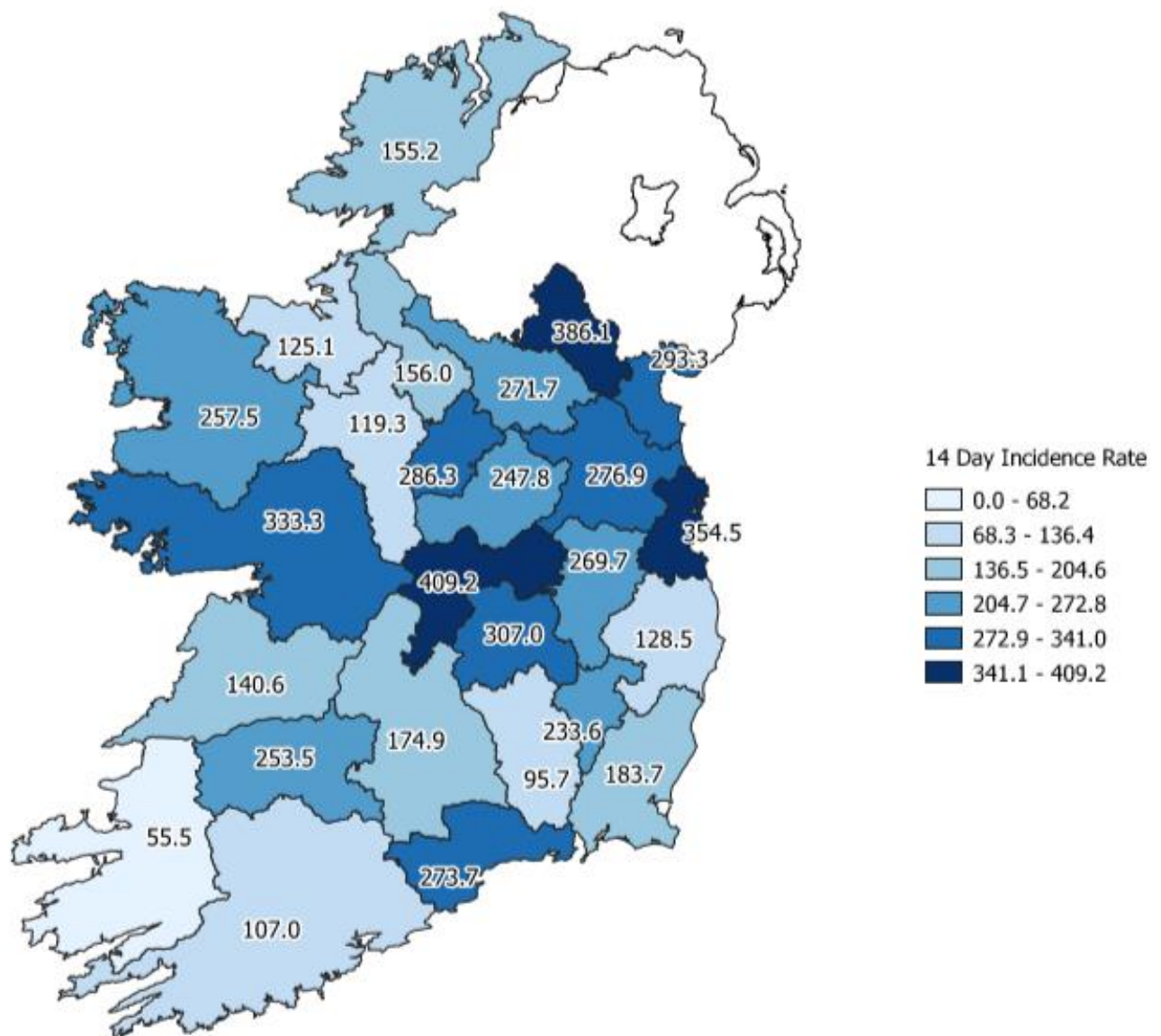


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/02/2021 and 19/02/2021

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 06/02/2021 and 19/02/2021

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	206	151.4
CCA2	Dublin South East	609	492.3
CCA3	Dublin South City	250	166.7
CCA4	Dublin South West	430	267.3
CCA5	Dublin West	620	399.1
CCA6	Dublin North West	954	459.4
CCA7	Dublin North Central	1,074	694.8
CCA8	Dublin North	633	244.3
	Unknown	1	
	Dublin	4,777	354.5

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.

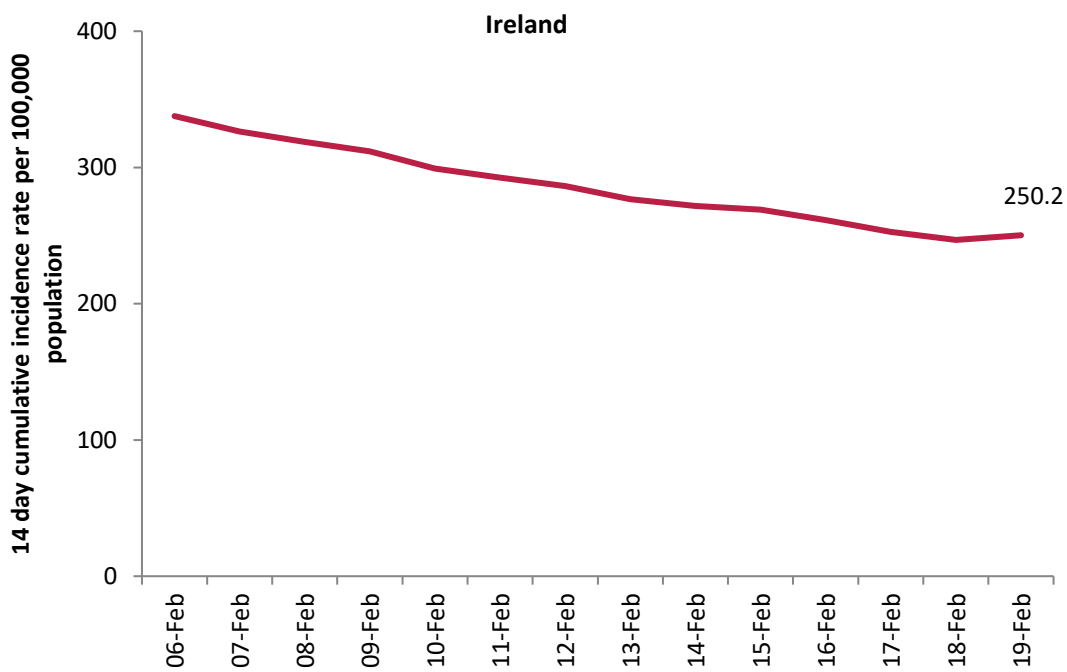


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (06/02/2021 to 19/02/2021)

*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 06/02/2021 to midnight 19/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	72	0.60%
Close contact with a known confirmed case	6138	51.52%
Healthcare setting acquired: patient	519	4.36%
Healthcare setting acquired: staff	319	2.68%
Community transmission	2069	17.37%
Under investigation	2797	23.48%
Total	11914	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 06/02/2021 to midnight 19/02/2021 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	617	17	2.08	0	0
5-12 yrs	915	18	2.20	0	0
13-18 yrs	950	19	2.32	0	0
19-24 yrs	1707	39	4.77	<5	
25-34 yrs	1936	66	8.07	<5	
35-44 yrs	1846	73	8.92	5	11.11
45-54 yrs	1535	88	10.76	14	31.11
55-64 yrs	1075	99	12.10	6	13.33
65-74 yrs	566	119	14.55	10	22.22
75-84 yrs	470	185	22.62	6	13.33
85+ yrs	296	95	11.61	0	0
Unknown	1			0	0
Total	11,914	818	100	45	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 06/02/2021 up to midnight 19/02/2021

	Number	Percent
Total number of deaths	46	
Confirmed	44	95.45
Probable	1	2.27
Possible	1	2.27
Total number of cases hospitalised	29	63.64
Total number of male cases	30	72.73
M:F ratio	1.87	
Median age (years)	82	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 06/02/2021 up to midnight 19/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	<5	<5	<5	8.70
65-74 yrs	<5	7	9	19.56
75-84 yrs	7	9	16	34.78
85+ yrs	7	10	17	36.95
Total	16	30	46	100
Percent	34.78	65.22		

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. 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.

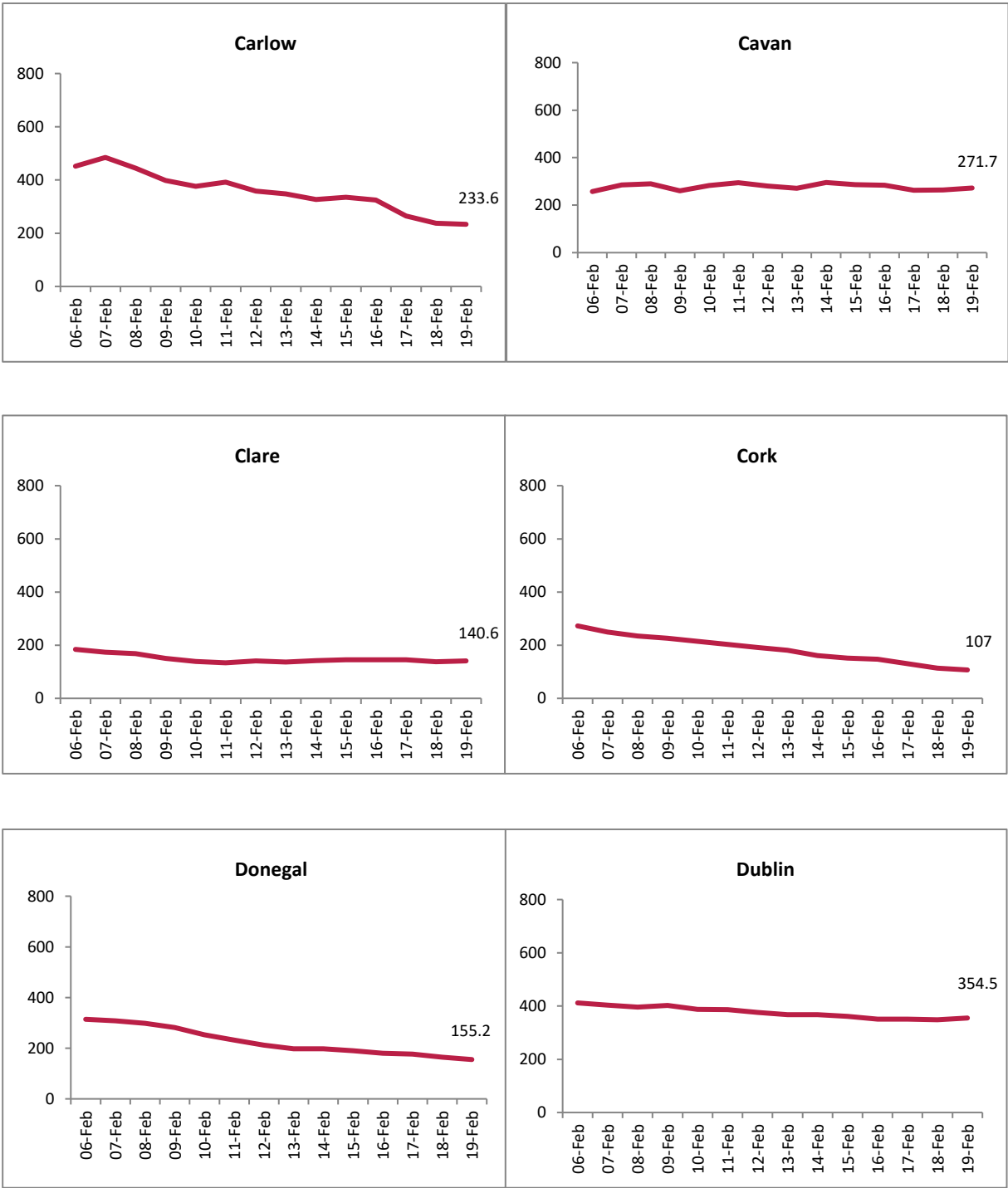
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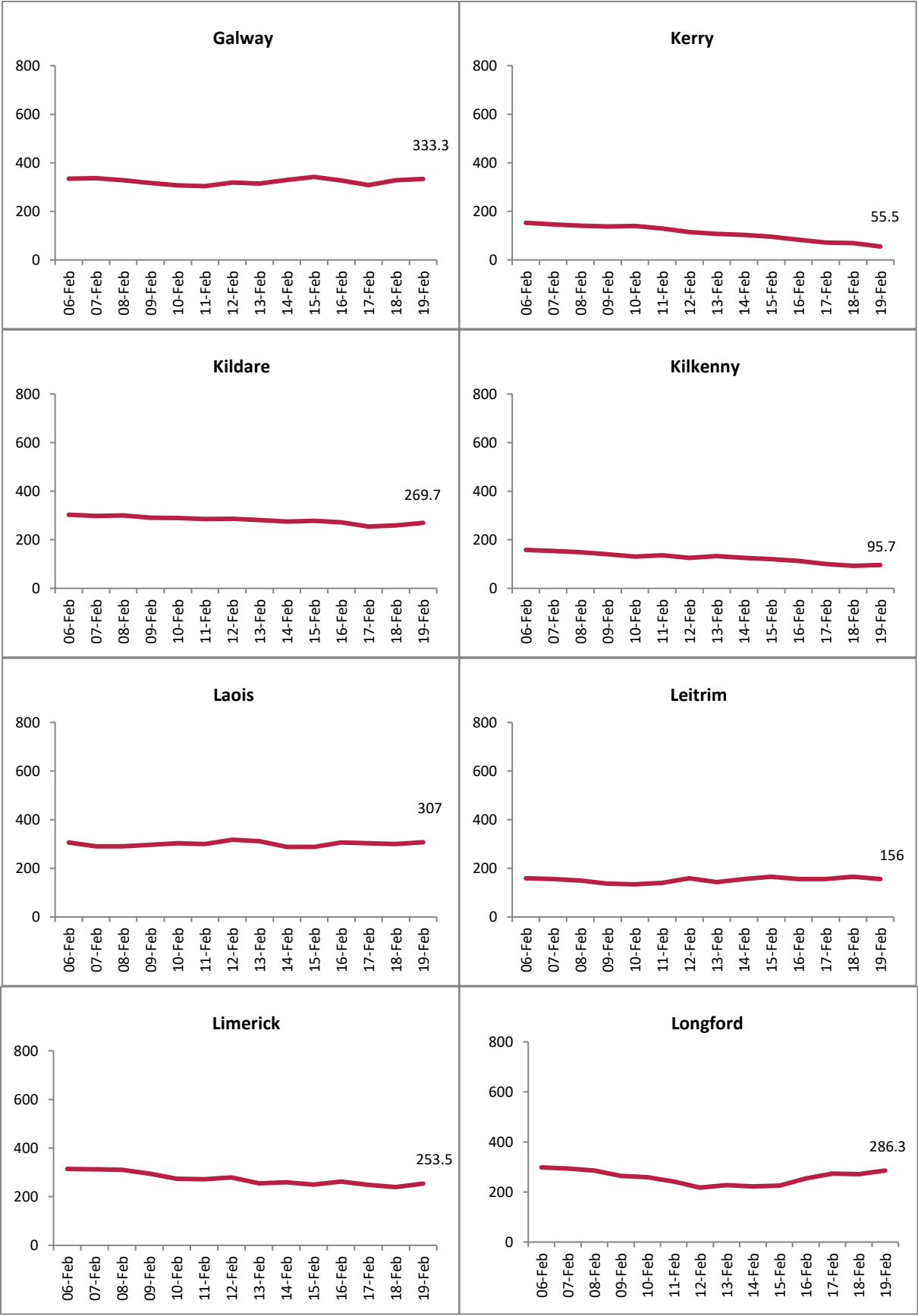
WHO definition of transmission classification is specified below:

- 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 (06/02/2021 to 19/02/2021)





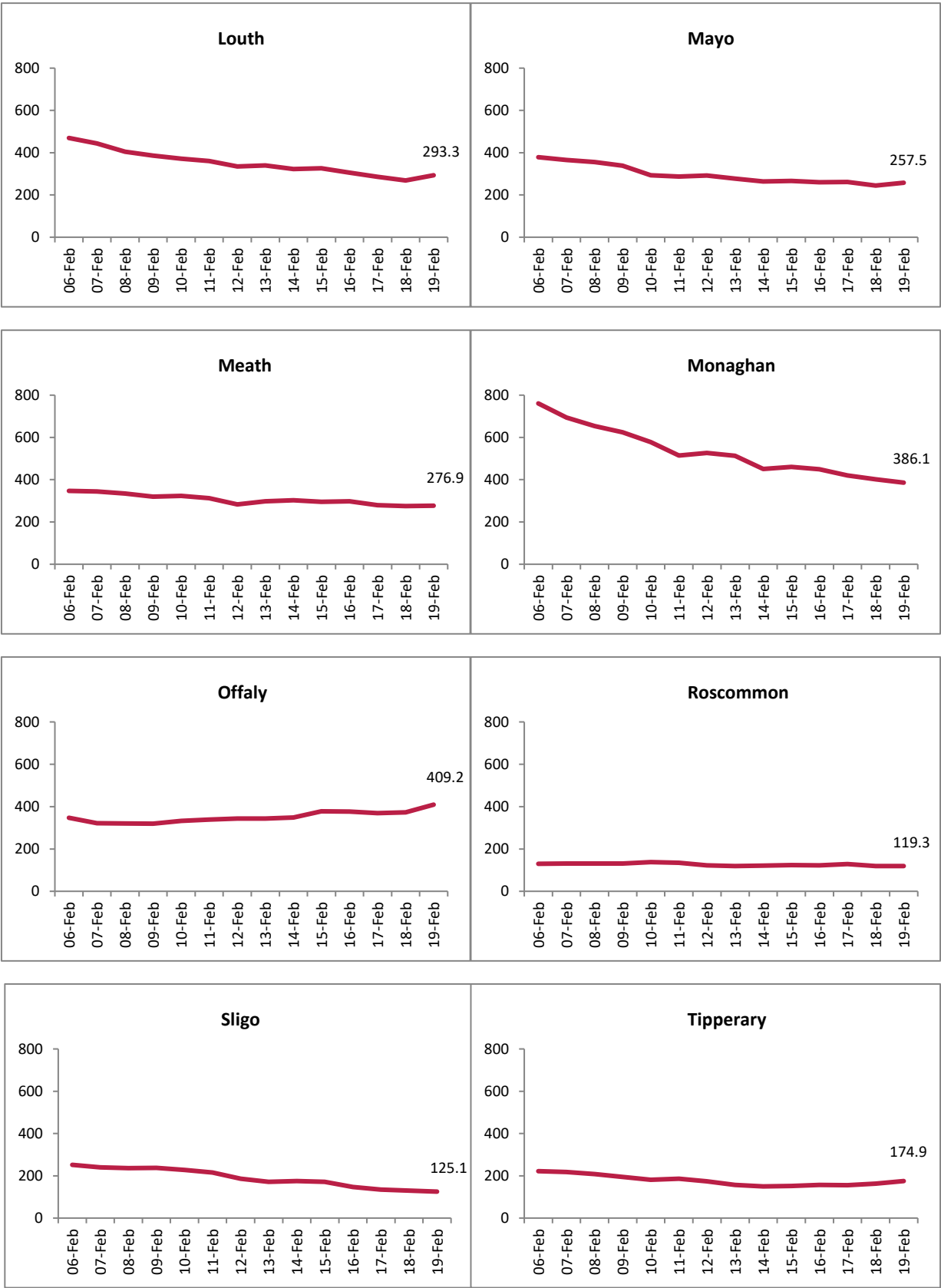
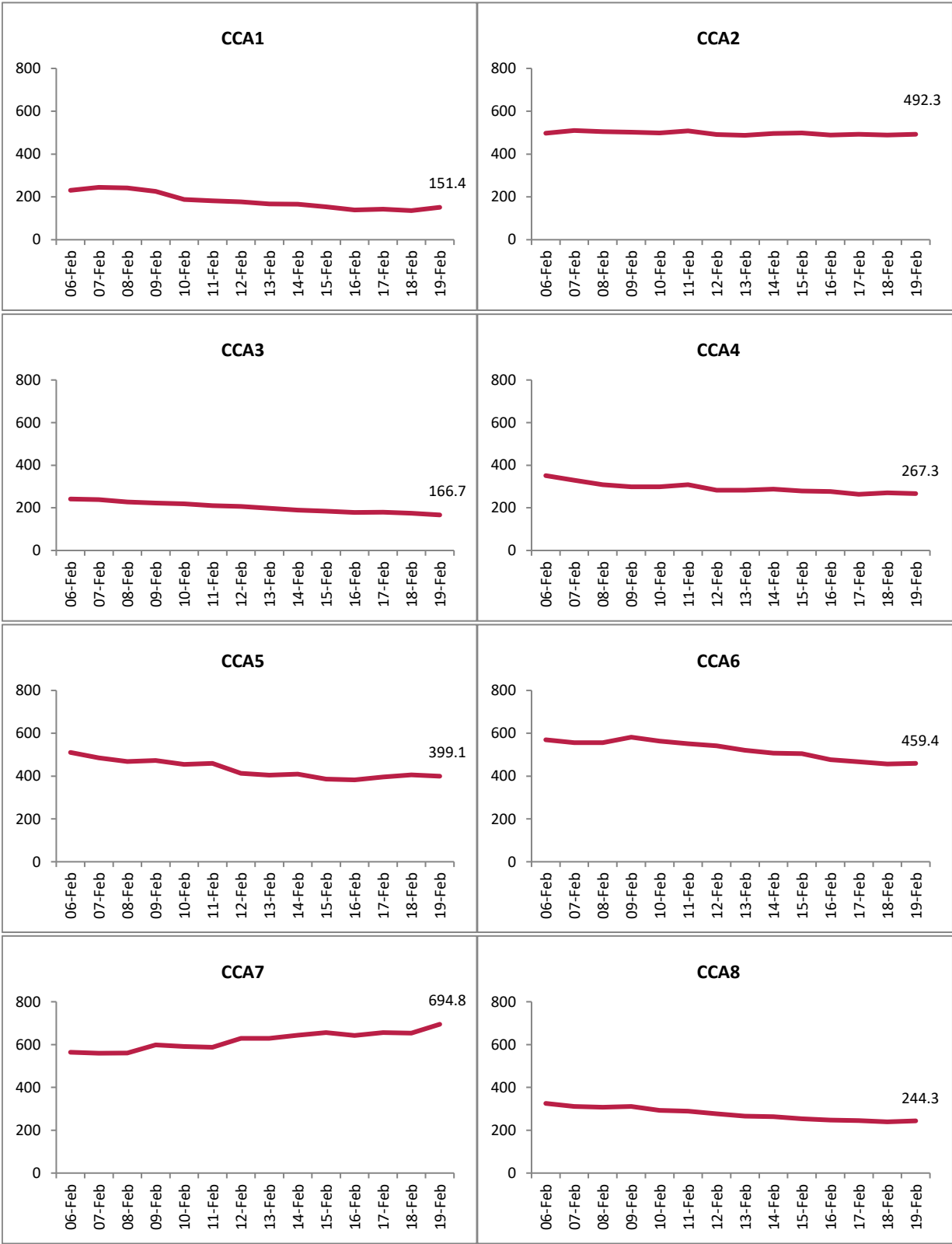




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (06/02/2021 to 19/02/2021)



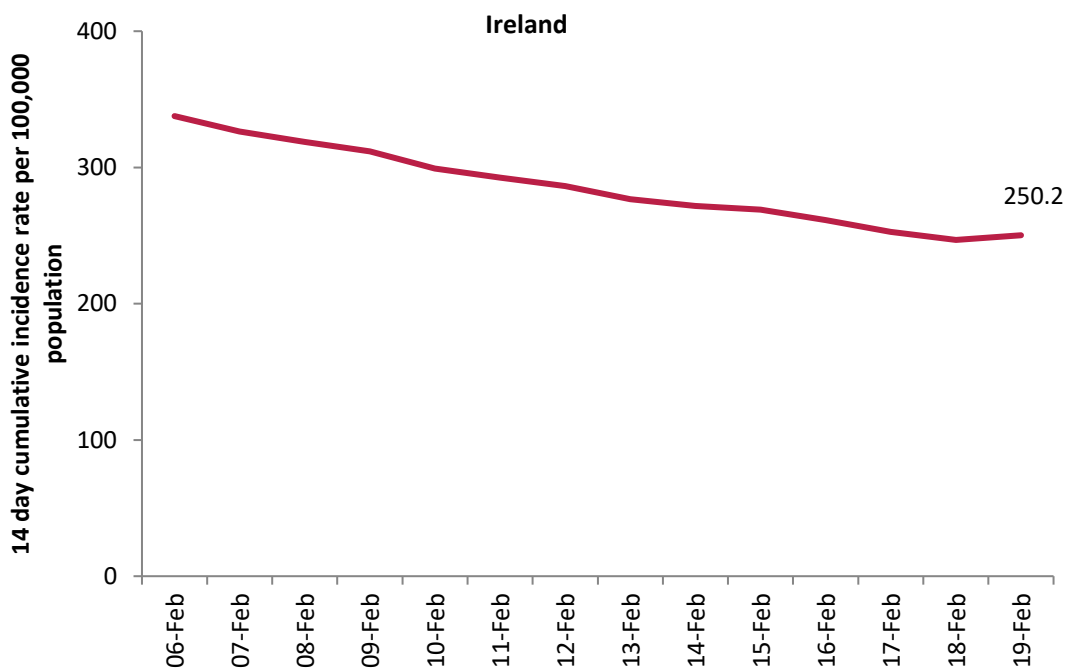


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (06/02/2021 to 19/02/2021)

*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