



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 13/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/01/2021 up to midnight 12/02/2021

	Number	Percent
Total number of confirmed cases	13,656	
National incidence of confirmed cases per 100,000 population	286.78	
Number of cases hospitalised*	1,026	7.51
Number of cases admitted to ICU*	44	0.32
Number of deaths among confirmed cases	88	0.64
Case fatality ratio (CFR, %)	0.64	
National incidence of confirmed deaths per 100,000 population	1.85	
Number of cases** associated with clusters	1,998	14.63
Number of imported cases	6	0.04
Number of cases in healthcare workers	1,206	8.83
Males	6,553	47.99
Females	7,087	51.9
M:F ratio	0.92	
Median age (years)	37	
Mean age (years)	40	
Age range (years)	0 - 103	

* 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
30/01/2021 - 12/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:37 on 13/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

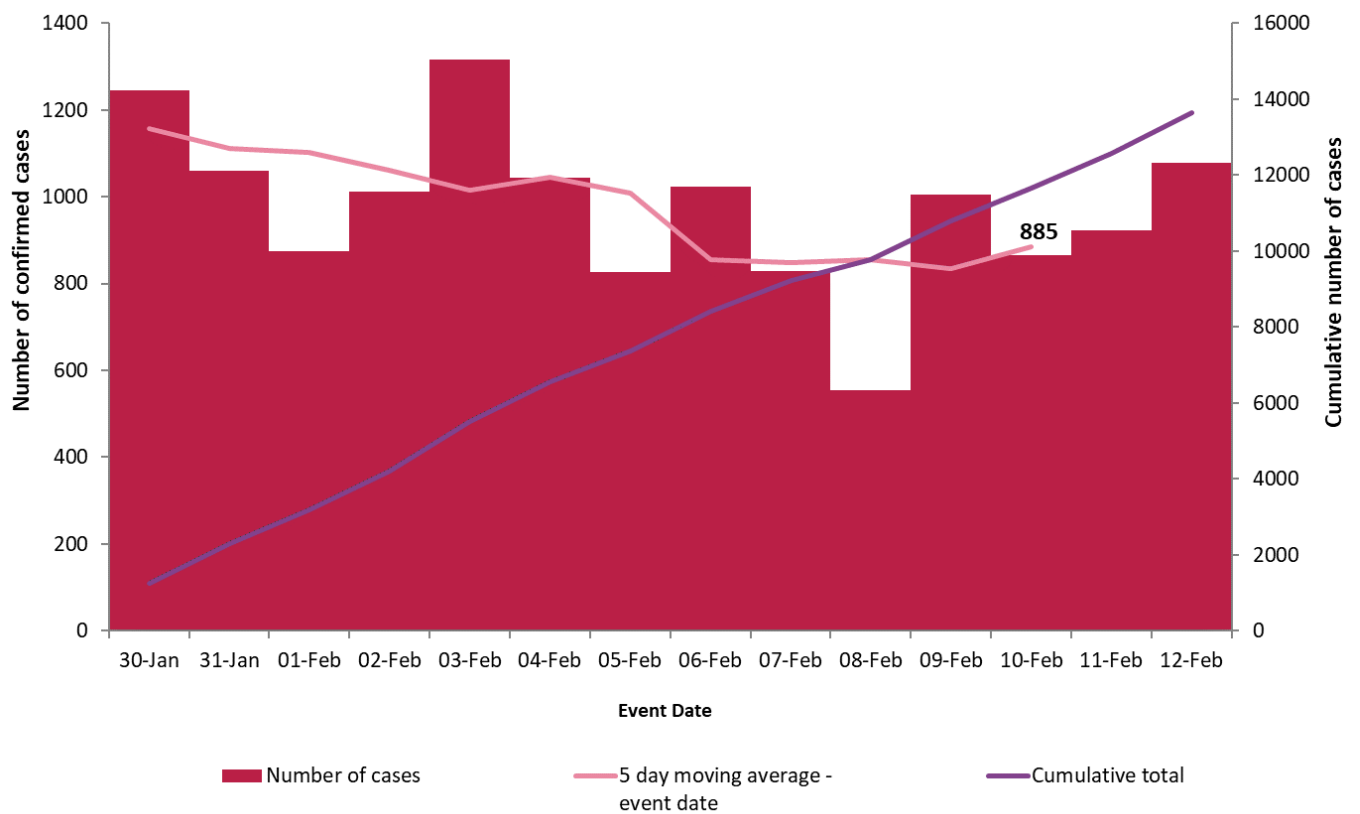


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=13,656)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/01/2021 up to midnight on 12/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		13,656	100
Sex	Male:Female ratio	0.92	
	Male	6,553	47.99
	Female	7,087	51.9
	Unknown	16	0.12
Age	Median age (years)	37	
	Mean age (years)	40	
	Age range (years)	0 - 103	
	0-4 yrs	525	3.84
	5-12 yrs	810	5.93
	13-18 yrs	991	7.26
	19-24 yrs	1,600	11.72
	25-34 yrs	2,206	16.15
	35-44 yrs	2,262	16.56
	45-54 yrs	1,956	14.32
	55-64 yrs	1,394	10.21
	65-74 yrs	726	5.32
	75-84 yrs	642	4.7
	85+ yrs	535	3.92
	Unknown	9	0.07
Symptom status at time of test*	Yes	8,215	60.16
	No	2,348	17.19
	Unknown	3,093	22.65

*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 30/01/2021 to midnight 12/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,045	267.1
CHO2	1,285	283.6
CHO3	835	216.9
CHO4	1,210	175.2
CHO5	1,475	289.0
CHO6	1,114	290.7
CHO7	2,049	289.5
CHO8	1,819	293.7
CHO9	2,824	454.5
Unknown	0	
Total	13,656	286.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 30/01/2021 to midnight 12/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (08/02/2021-12/02/2021)
Monaghan	323	526.2	15
Dublin	5,077	376.8	362
Waterford	434	373.6	26
Carlow	212	372.4	13
Wexford	554	370.0	26
Offaly	267	342.5	26
Louth	431	334.4	25
Galway	826	320.1	61
Laois	260	307.0	18
Mayo	381	291.9	23
Kildare	638	286.7	42
Limerick	555	284.8	36
Meath	555	284.6	33
Cavan	212	278.3	14
Westmeath	215	242.2	16
Longford	90	220.2	6
Donegal	338	212.3	19
Cork	1,041	191.8	53
Wicklow	272	191.0	15
Sligo	121	184.6	6
Tipperary	267	167.3	16
Leitrim	51	159.2	4
Clare	167	140.6	11
Kilkenny	122	122.9	6
Roscommon	78	120.8	5
Kerry	169	114.4	9
Total	13,656	286.8	885

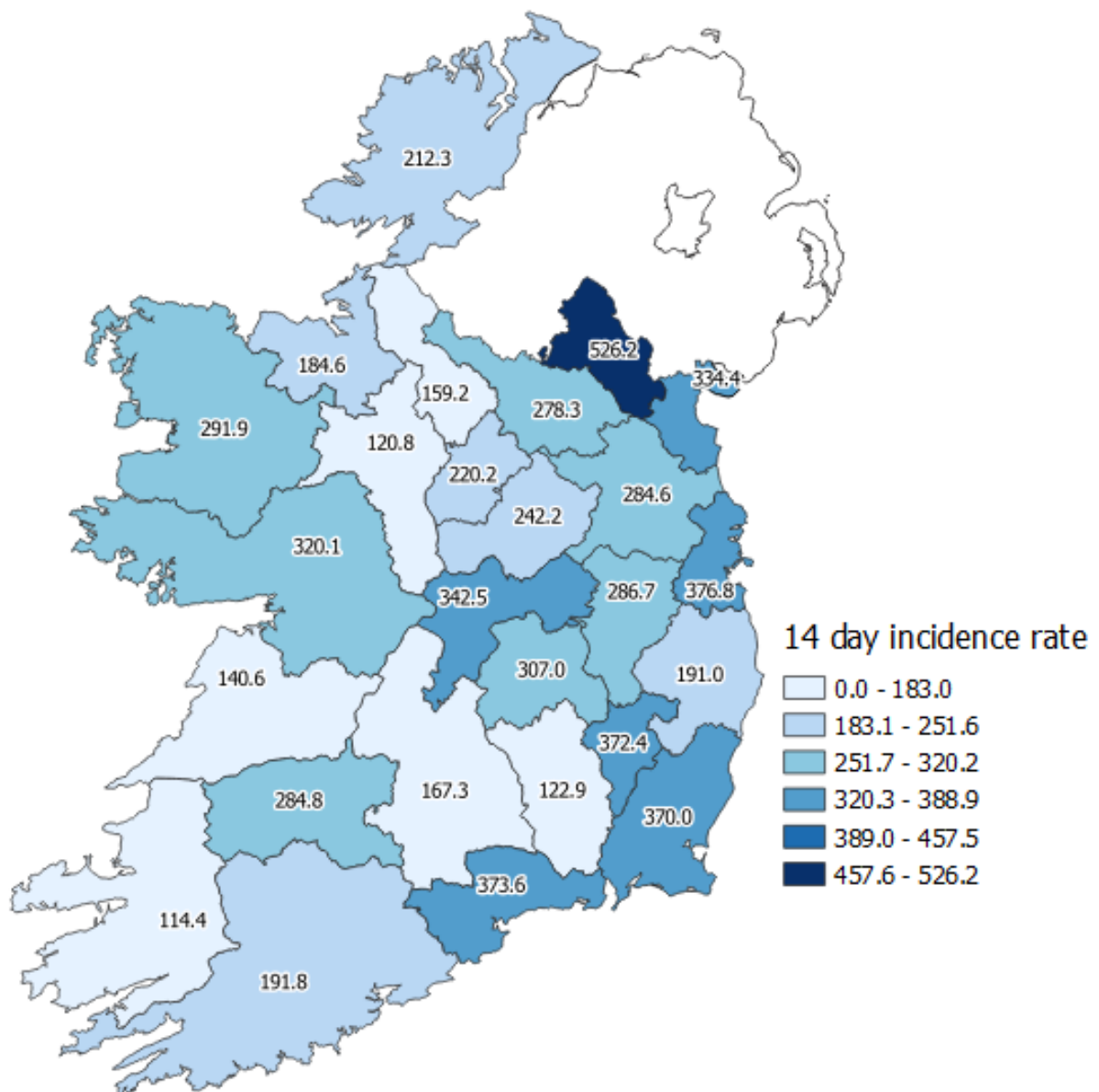


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 30/01/2021 and 12/02/2021

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 30/01/2021 and 12/02/2021

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	239	175.6
CCA2	Dublin South East	609	492.3
CCA3	Dublin South City	308	205.4
CCA4	Dublin South West	457	284.0
CCA5	Dublin West	640	412.0
CCA6	Dublin North West	1,131	544.6
CCA7	Dublin North Central	972	628.8
CCA8	Dublin North	721	278.2
	Unknown		
	Dublin	5,077	376.8

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.

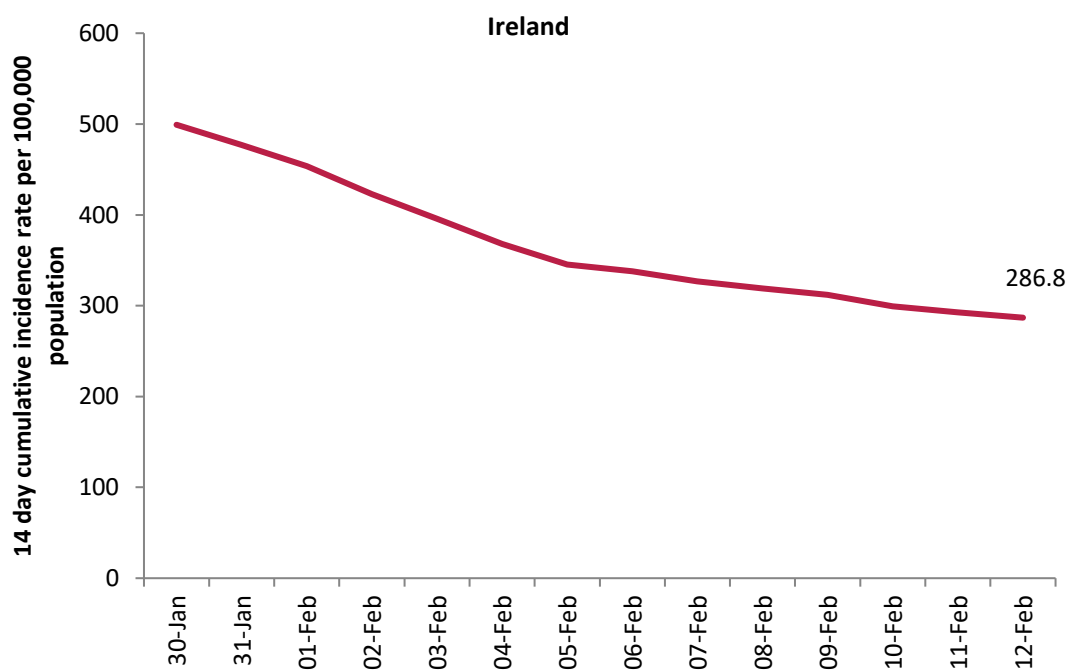


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (30/01/2021 to 12/02/2021)

*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 30/01/2021 to midnight 12/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	77	0.56%
Close contact with a known confirmed case	6,027	44.13%
Healthcare setting acquired: patient	929	6.80%
Healthcare setting acquired: staff	620	4.54%
Community transmission	2,434	17.82%
Under investigation	3,569	26.14%
Total	13,656	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 30/01/2021 to midnight 12/02/2021 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	525	16	1.56	0	0
5-12 yrs	810	19	1.85	0	0
13-18 yrs	991	18	1.75	0	0
19-24 yrs	1600	45	4.39	0	0
25-34 yrs	2206	79	7.70	<5	
35-44 yrs	2262	80	7.80	<5	
45-54 yrs	1956	112	10.92	10	22.73
55-64 yrs	1394	142	13.84	12	27.27
65-74 yrs	726	142	13.84	14	31.82
75-84 yrs	642	220	21.44	<5	
85+ yrs	535	152	14.81	<5	
Unknown	9	1	0.10	0	0
Total	13,656	1026	100	44	

* 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 30/01/2021 up to midnight 12/02/2021

	Number	Percent
Total number of deaths	92	
Confirmed	88	95.65
Possible	4	4.35
Total number of cases hospitalised	43	46.74
Total number of male cases	52	56.52
M:F ratio	1.3	
Median age (years)	85	
Mean age (years)	83	
Age range (years)	43 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 30/01/2021 up to midnight 13/02/2021

Age group (years)	Female	Male	Total	Percent
15-64 yrs	<5	<5	5	5.43
65-74 yrs	<5	6	10	10.87
75-84 yrs	12	18	30	32.61
85+ yrs	22	25	47	51.09
Total	40	52	92	100
Percent	43.48	56.52		

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.

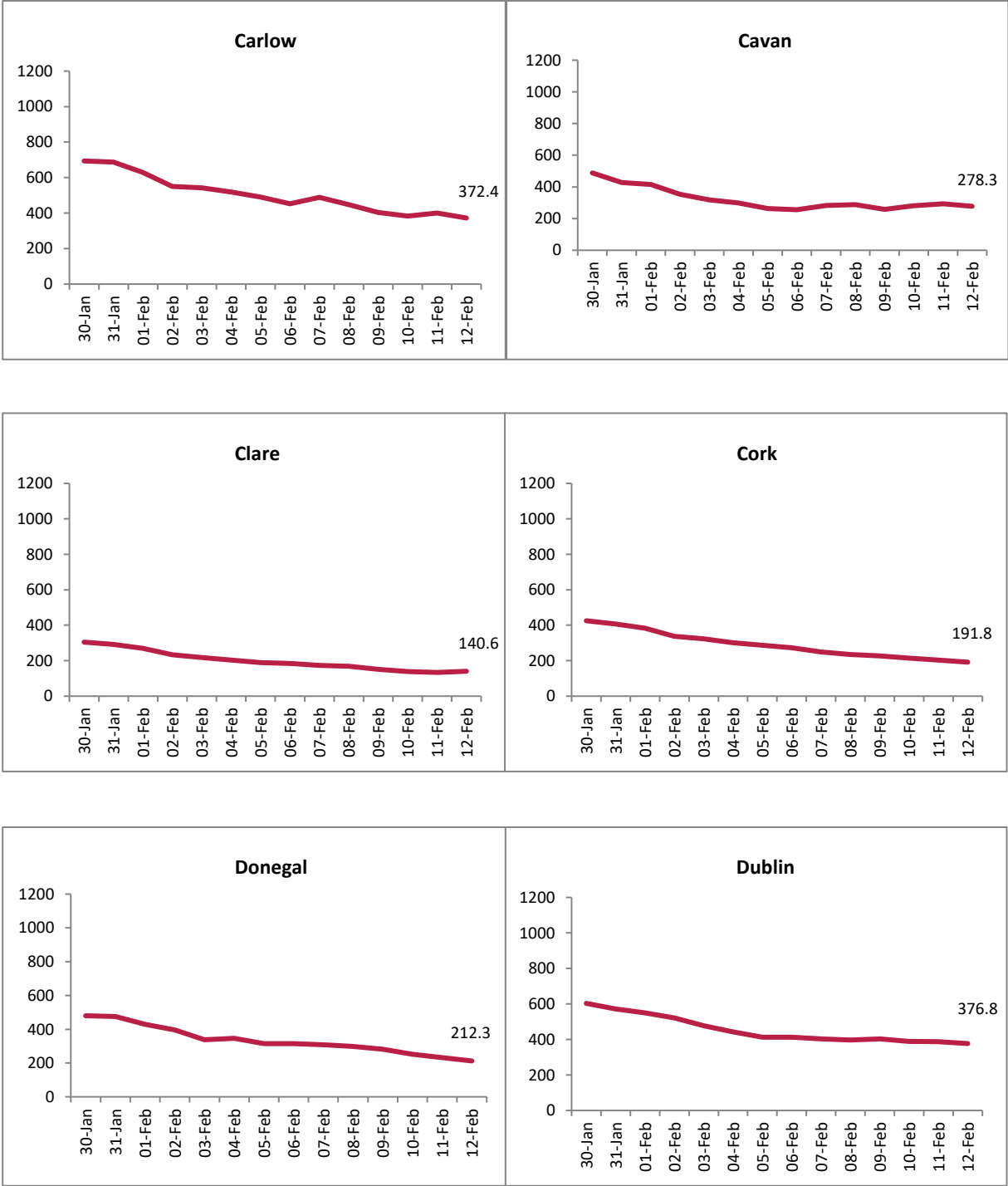
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

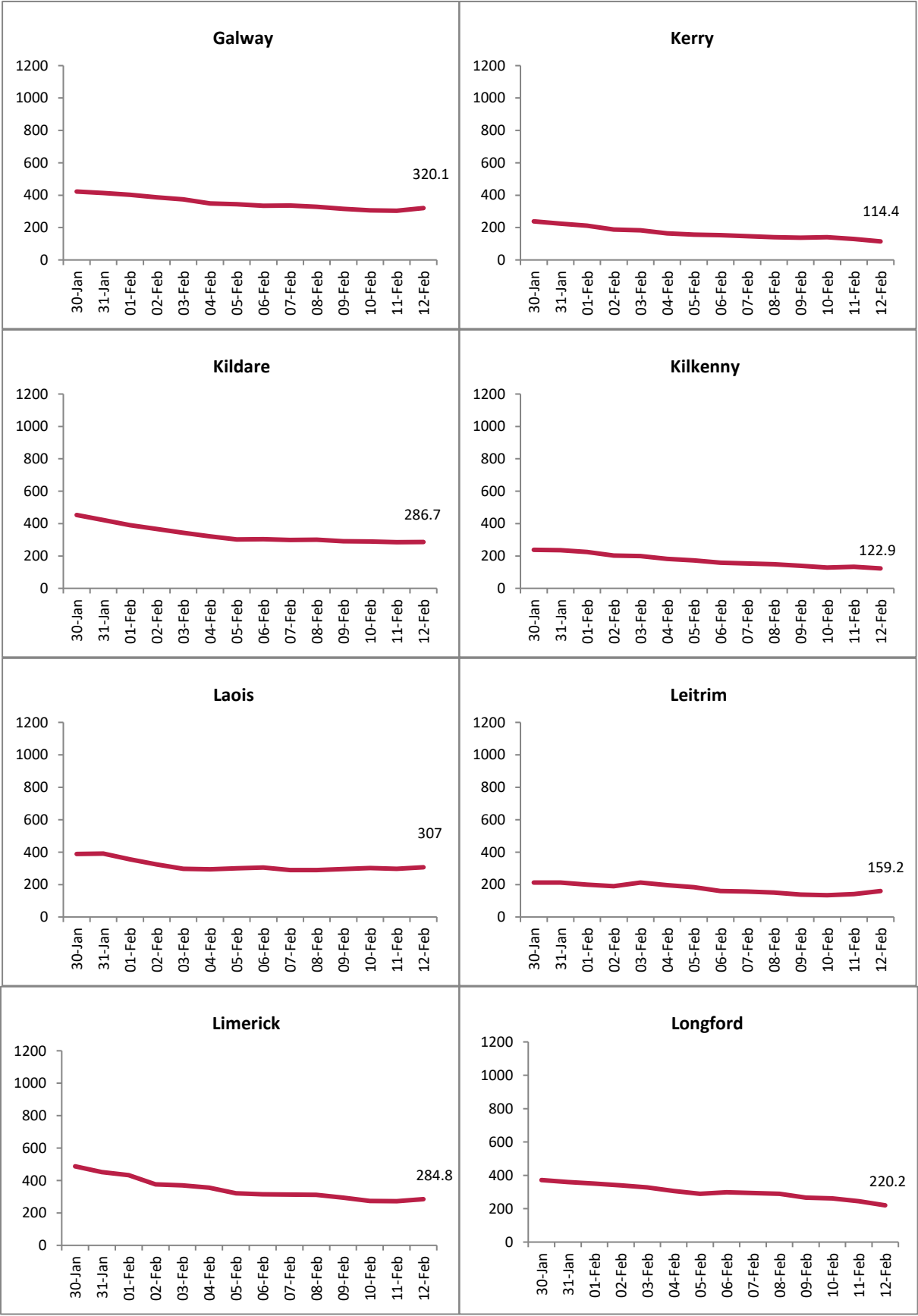
WHO definition of transmission classification is specified below:

- 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 (30/01/2021 to 12/02/2021)





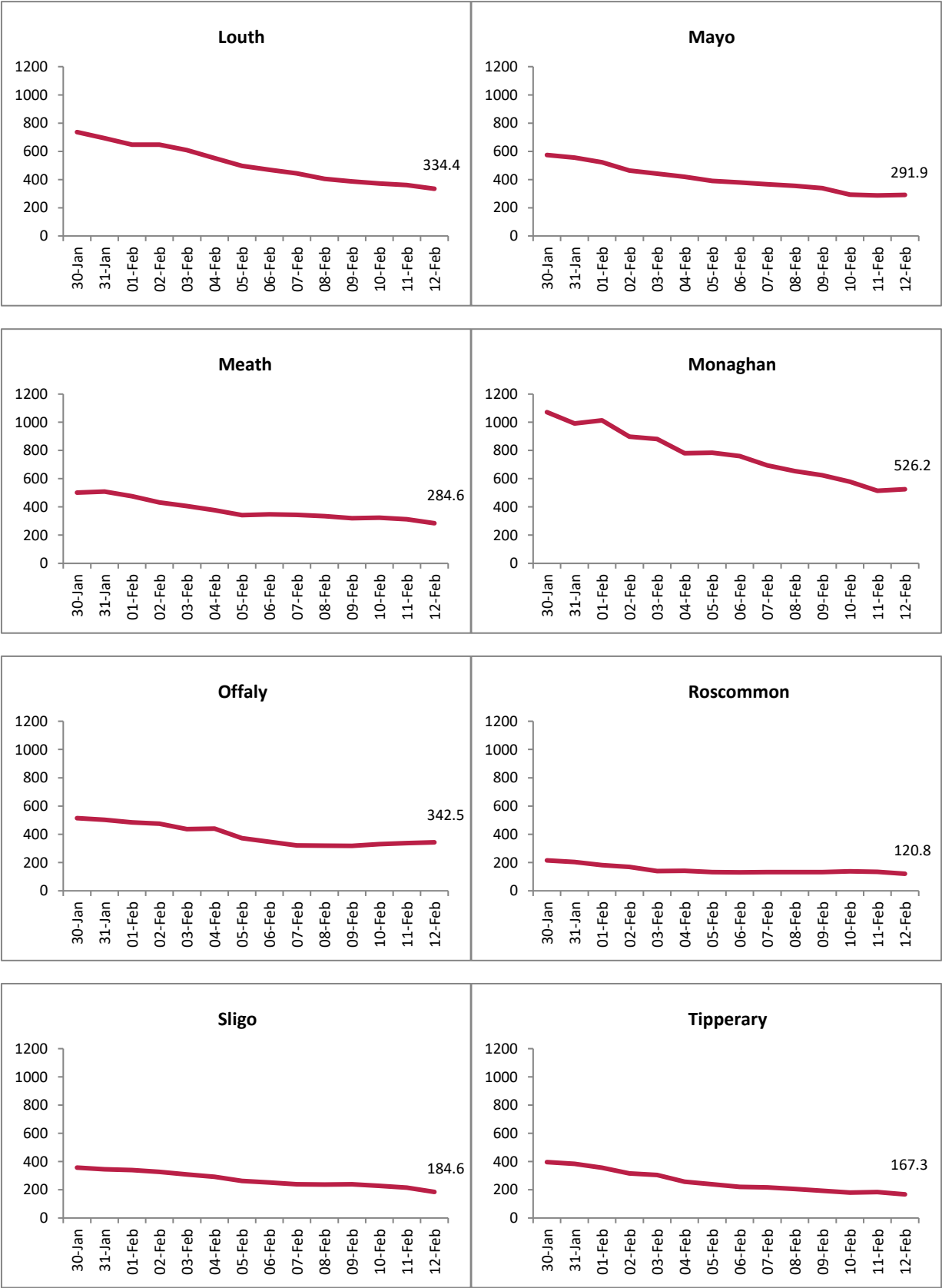




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (30/01/2021 to 12/02/2021)

