



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/02/2021 up to midnight 06/03/2021

	Number	Percent
Total number of confirmed cases	8,203	
National incidence of confirmed cases per 100,000 population	172.26	
Number of cases hospitalised*	518	6.31
Number of cases admitted to ICU*	20	0.24
Number of deaths among confirmed cases	14	0.17
Case fatality ratio (CFR, %)	0.17	
National incidence of confirmed deaths per 100,000 population	0.29	
Number of cases** associated with clusters	1,414	17.24
Number of imported cases	22	0.27
Number of cases in healthcare workers	417	5.08
Males	4,101	49.99
Females	4,093	49.9
M:F ratio	1	
Median age (years)	33	
Mean age (years)	35	
Age range (years)	0 - 99	

* 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
21/02/2021 - 06/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:06 on 07/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

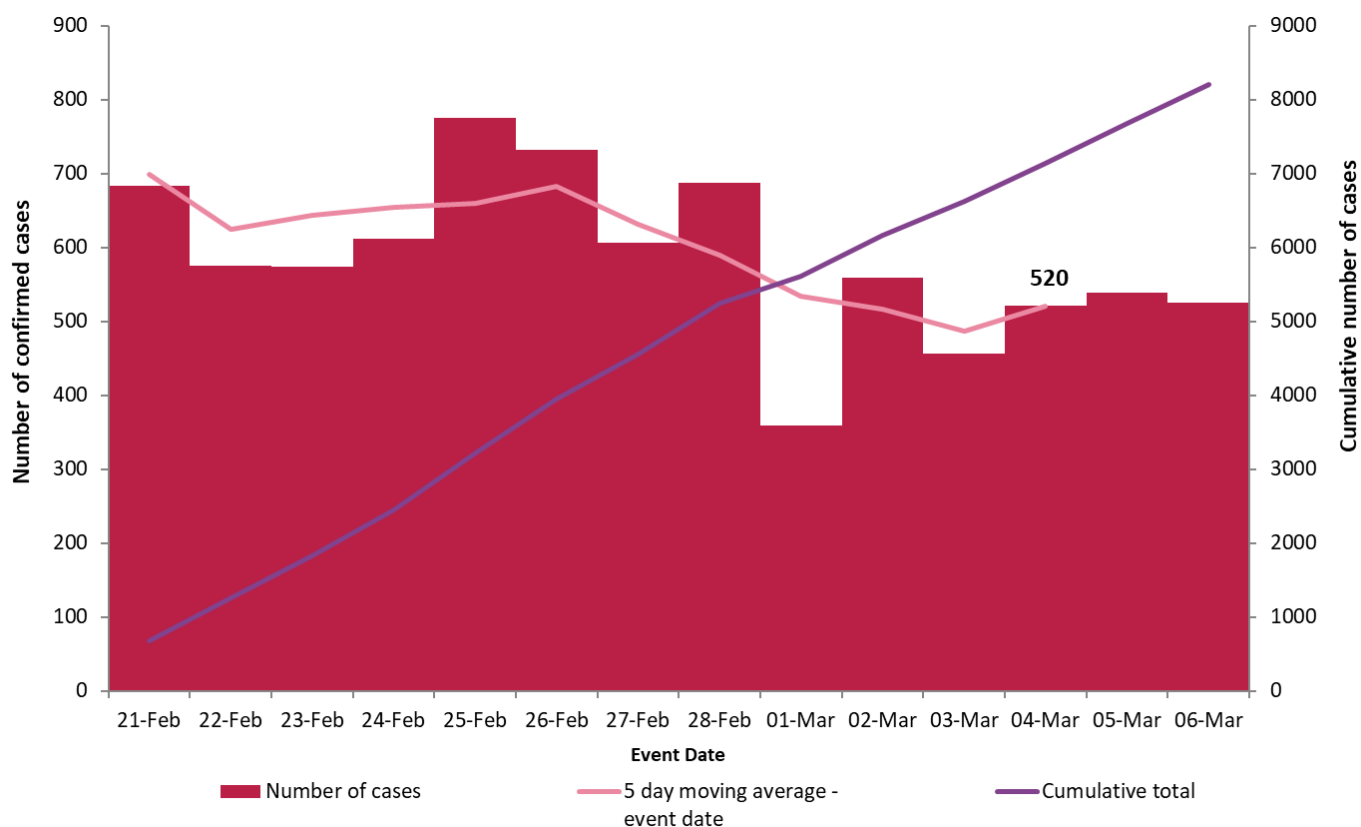


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=8,203)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/02/2021 up to midnight on 06/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		8,203	100
Sex	Male:Female ratio	1	
	Male	4,101	49.99
	Female	4,093	49.9
	Unknown	9	0.11
Age	Median age (years)	33	
	Mean age (years)	35	
	Age range (years)	0 - 99	
	0-4 yrs	521	6.35
	5-12 yrs	721	8.79
	13-18 yrs	602	7.34
	19-24 yrs	1,142	13.92
	25-34 yrs	1,378	16.8
	35-44 yrs	1,266	15.43
	45-54 yrs	1,069	13.03
	55-64 yrs	747	9.11
	65-74 yrs	354	4.32
	75-84 yrs	248	3.02
	85+ yrs	153	1.87
	Unknown	2	0.02
Symptom status at time of test*	Yes	4,874	59.42
	No	1,612	19.65
	Unknown	1,717	20.93

*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 21/02/2021 to midnight 06/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	497	127.0
CHO2	677	149.4
CHO3	667	173.2
CHO4	406	58.8
CHO5	524	102.7
CHO6	695	181.4
CHO7	1,137	160.7
CHO8	1,550	250.3
CHO9	2,050	329.9
Total	8,203	172.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/02/2021 to midnight 06/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (02/03/2021-06/03/2021)
Longford	156	381.7	12
Offaly	267	342.5	15
Westmeath	235	264.7	13
Dublin	3,347	248.4	235
Louth	308	239.0	16
Meath	434	222.5	33
Limerick	419	215.0	20
Kildare	395	177.5	27
Laois	150	177.1	8
Donegal	256	160.8	10
Mayo	208	159.4	11
Carlow	90	158.1	5
Galway	396	153.5	17
Tipperary	227	142.3	13
Monaghan	81	132.0	4
Clare	150	126.2	9
Waterford	132	113.6	7
Roscommon	73	113.1	4
Cavan	84	110.3	4
Wicklow	140	98.3	11
Leitrim	26	81.1	1
Sligo	50	76.3	3
Wexford	112	74.8	8
Kerry	96	65.0	6
Kilkenny	61	61.5	5
Cork	310	57.1	21
Total	8,203	172.3	520

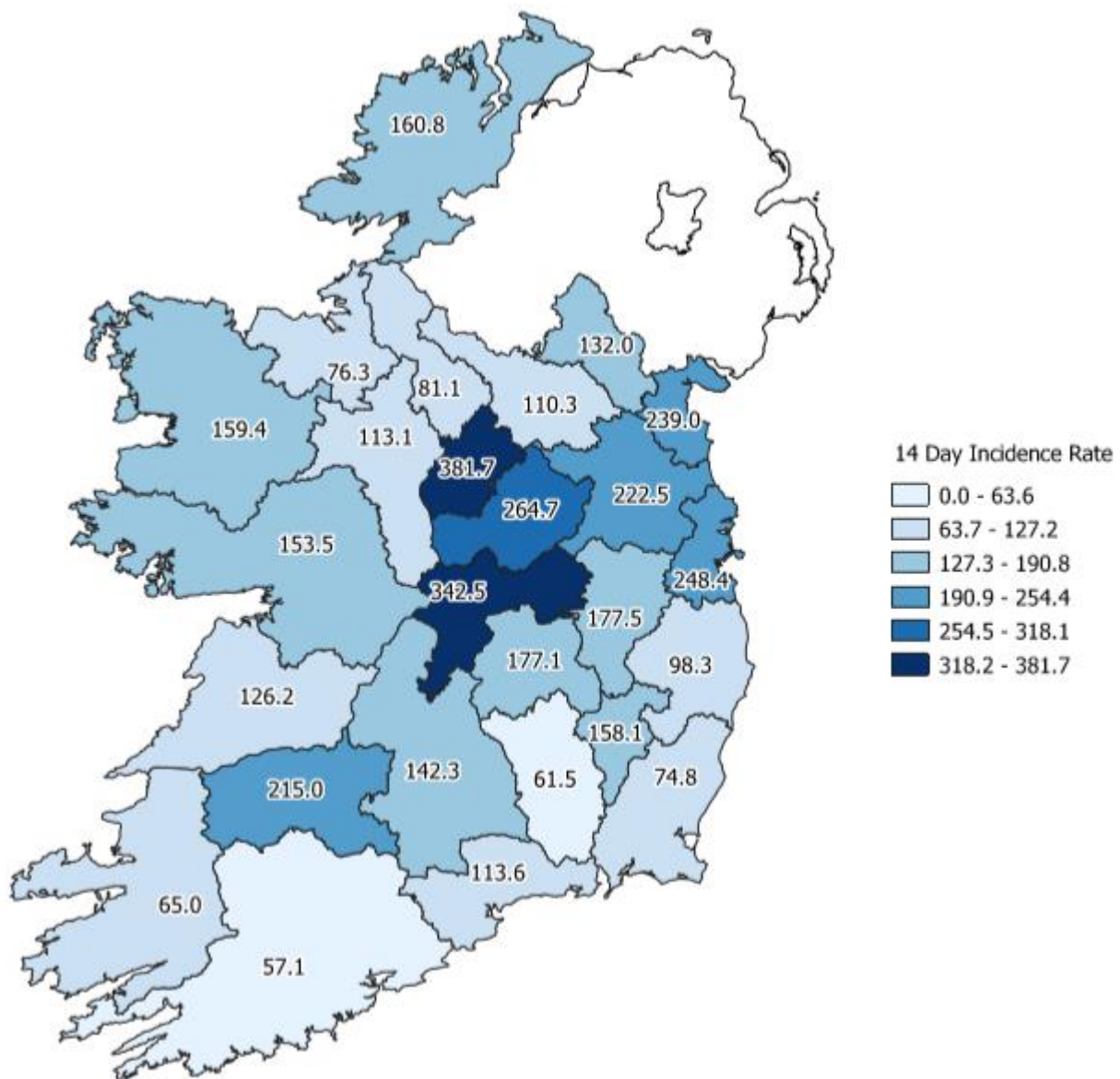


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 21/02/2021 and 06/03/2021

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 21/02/2021 and 06/03/2021

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	163	119.8
CCA2	Dublin South East	397	320.9
CCA3	Dublin South City	138	92.0
CCA4	Dublin South West	239	148.5
CCA5	Dublin West	360	231.7
CCA6	Dublin North West	654	314.9
CCA7	Dublin North Central	923	597.1
CCA8	Dublin North	473	182.5
Dublin		3,347	248.4

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.

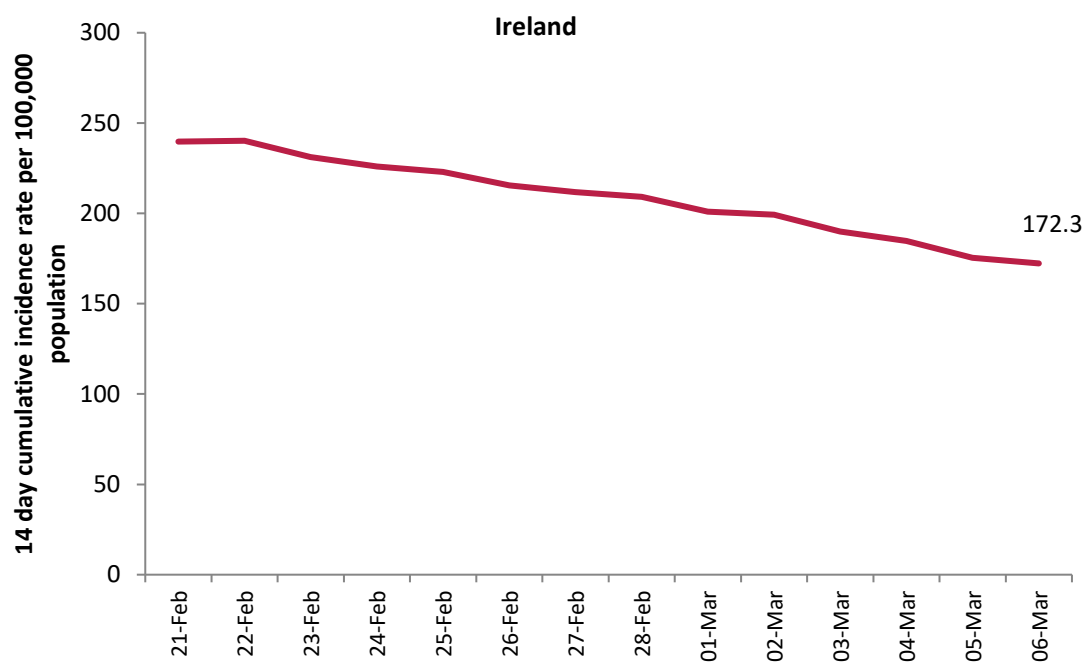


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (21/02/2021 to 06/03/2021)

*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 21/02/2021 to midnight 06/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	82	1.00%
Close contact with a known confirmed case	4301	52.43%
Healthcare setting acquired: patient	205	2.50%
Healthcare setting acquired: staff	134	1.63%
Community transmission	1568	19.11%
Under investigation	1913	23.32%
Total	8203	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 21/02/2021 to midnight 06/03/2021 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	521	22	4.25	0	0
5-12 yrs	721	16	3.09	0	0
13-18 yrs	602	20	3.86	<5	-
19-24 yrs	1142	50	9.65	0	0
25-34 yrs	1378	53	10.23	0	0
35-44 yrs	1266	49	9.46	<5	-
45-54 yrs	1069	69	13.32	7	35
55-64 yrs	747	47	9.07	<5	-
65-74 yrs	354	64	12.36	<5	-
75-84 yrs	248	78	15.06	<5	-
85+ yrs	153	49	9.46	0	0
Unknown	2	1	0.19	0	0
Total	8,203	518	100	20	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 21/02/2021 up to midnight 06/03/2021

	Number	Percent
Total number of deaths	16	
Confirmed	14	87.5
Possible	2	12.5
Total number of cases hospitalised	10	62.5
Total number of male cases	7	43.75
M:F ratio	0.78	
Median age (years)	79	
Mean age (years)	72	
Age range (years)	0-88	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 21/02/2021 up to midnight 06/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	4	25.00
65-74 yrs	*	*	2	12.50
75-84 yrs	*	*	6	37.50
85+ yrs	*	*	4	25.00
Total	9	7	16	100
Percent	56.56	43.75		

*One or both values <5

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.

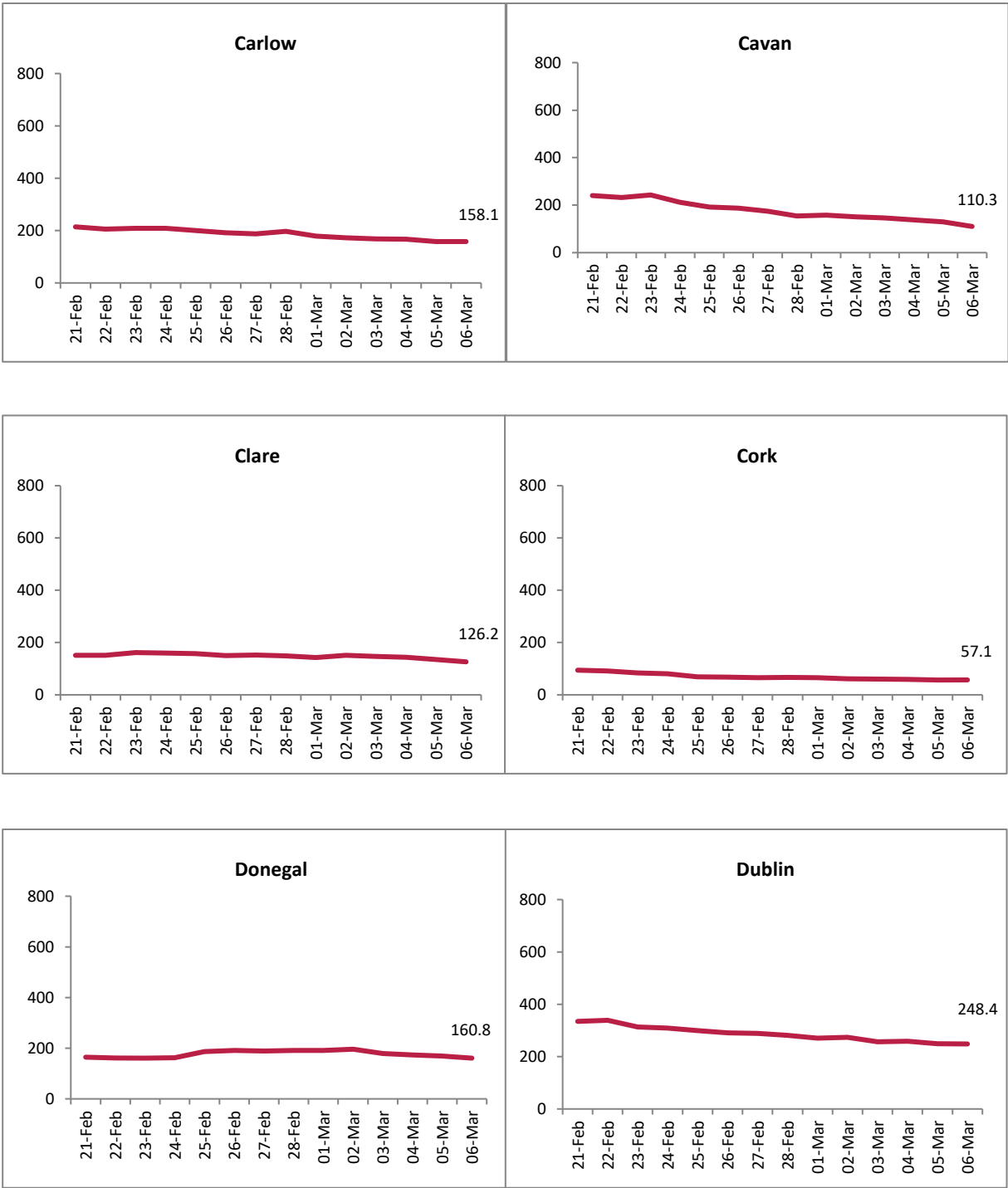
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

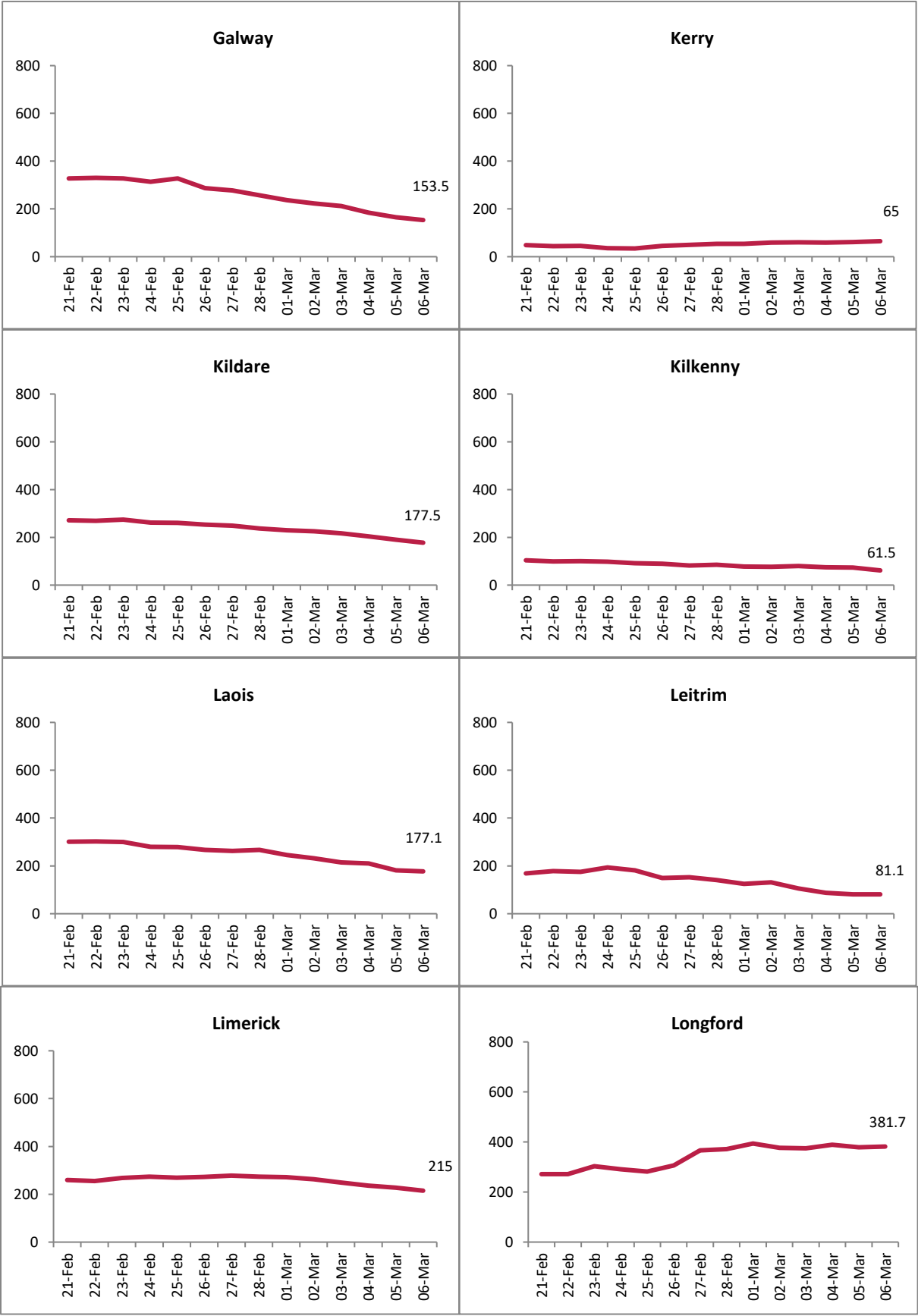
WHO definition of transmission classification is specified below:

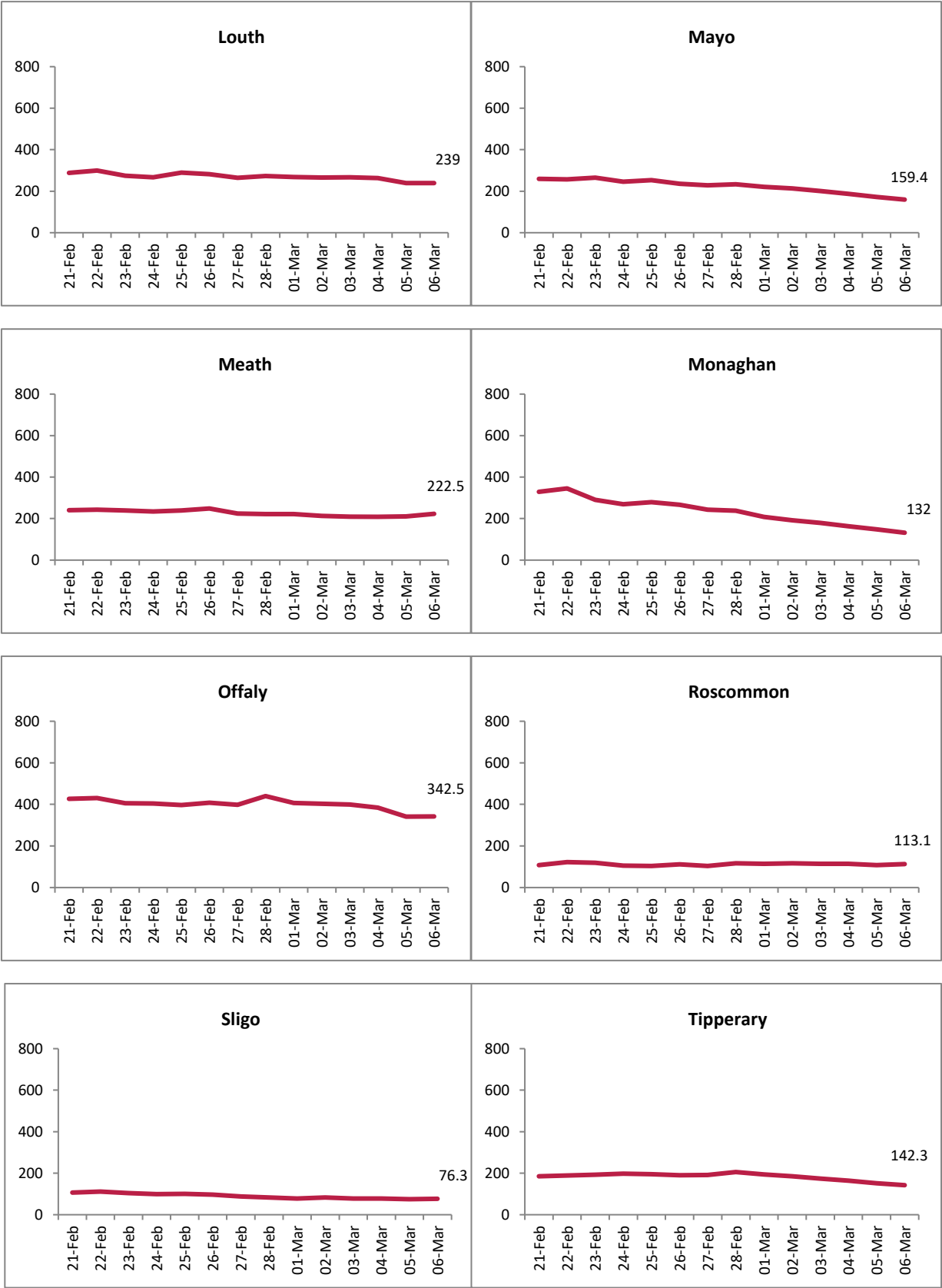
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (21/02/2021 to 06/03/2021)







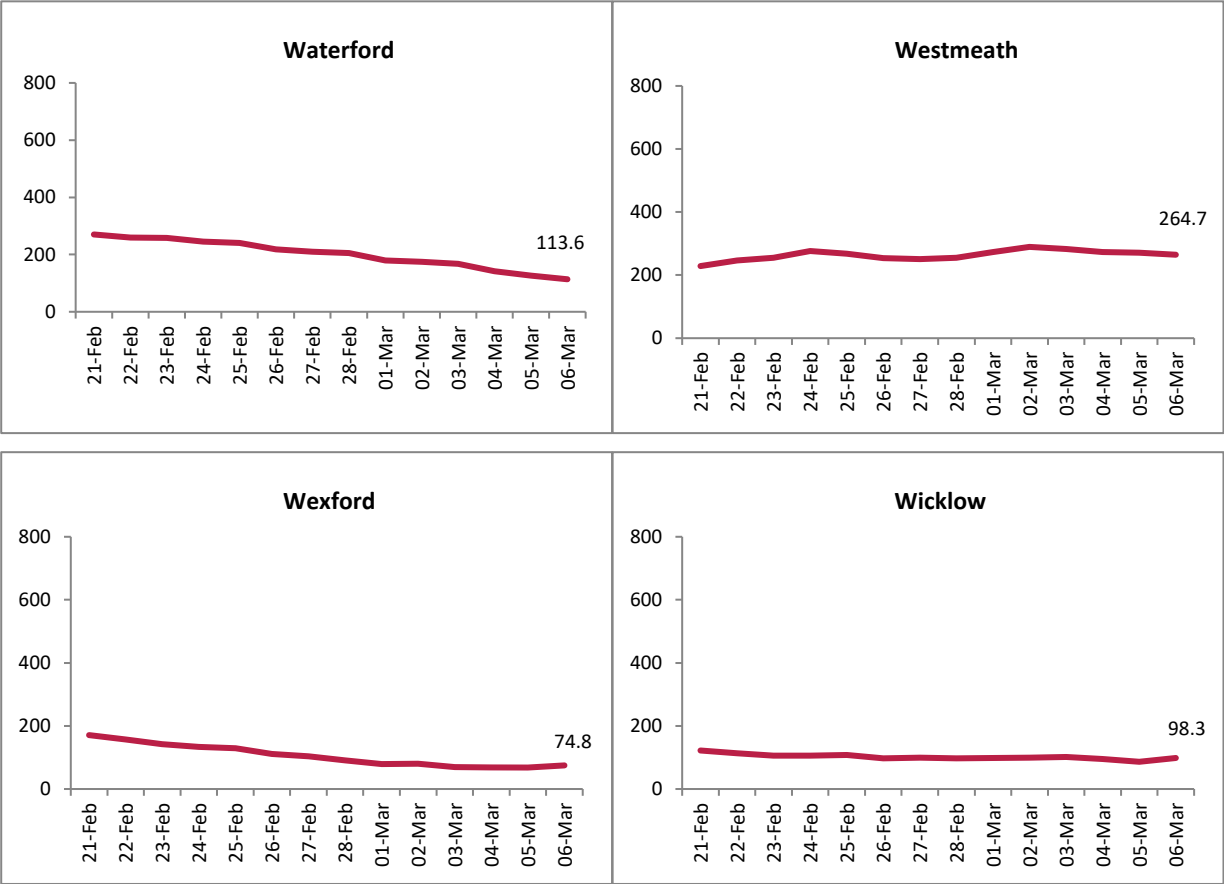


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (21/02/2021 to 06/03/2021)

