



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 22/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/04/2021 up to midnight 21/04/2021

	Number	Percent
Total number of confirmed cases	5,623	
National incidence of confirmed cases per 100,000 population	118.08	
Number of cases hospitalised*	228	4.05
Number of cases admitted to ICU*	20	0.36
Number of deaths among confirmed cases^	6	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	1,407	25.02
Number of imported cases	51	0.91
Number of cases in healthcare workers	168	2.99
Males	2,826	50.26
Females	2,791	49.64
M:F ratio	1.01	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 94	

* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

^ The number of deaths described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all COVID-19 deaths which occurred during the period covered by the report. It also does not reflect the final number of deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Cases may be associated with outbreaks notified outside the timeframe of this report 08/04/2021 - 21/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:44 on 22/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

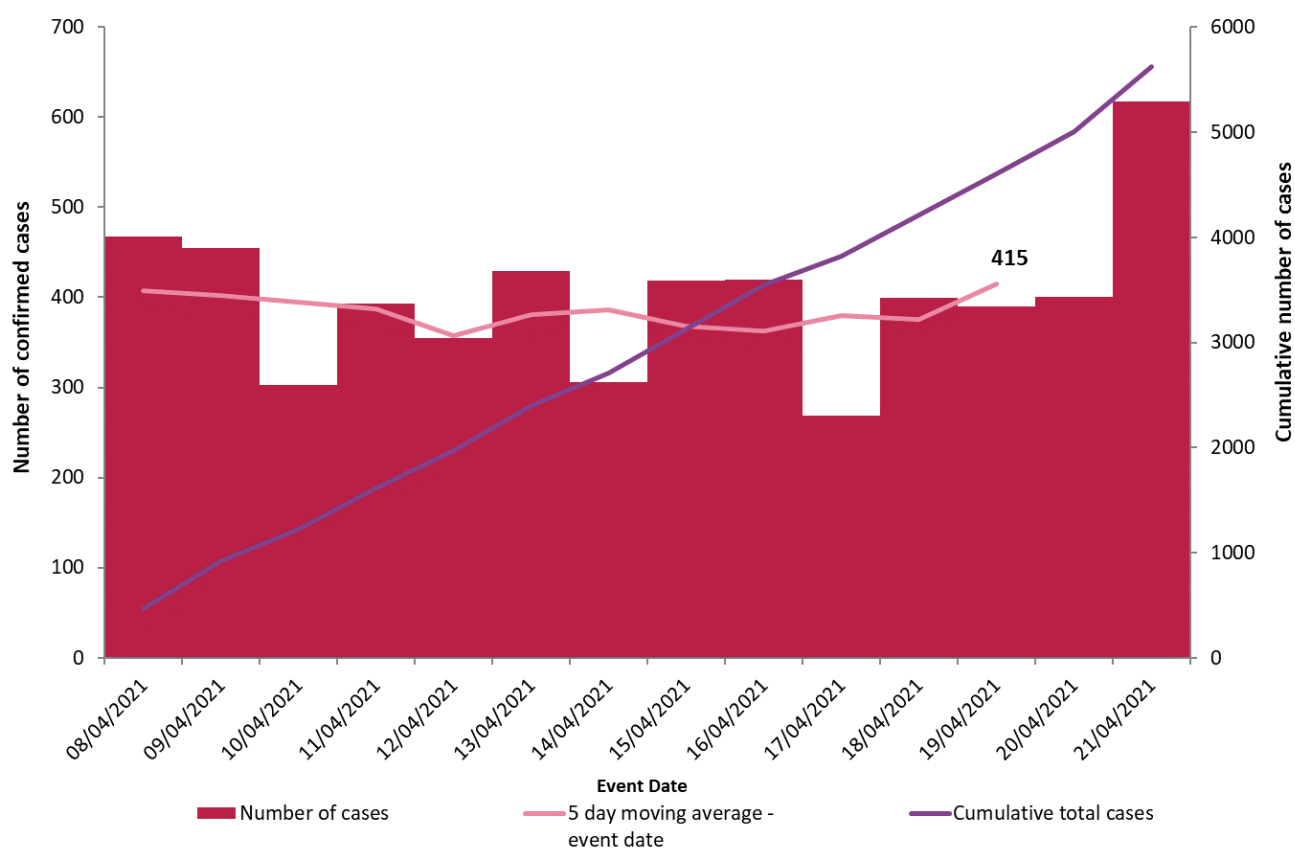


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,623)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 08/04/2021 up to midnight on 21/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,623	100
Sex	Male:Female ratio	1.01	
	Male	2,826	50.26
	Female	2,791	49.64
	Unknown	6	0.11
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 94	
	0-4 yrs	327	5.82
	5-12 yrs	676	12.02
	13-18 yrs	536	9.53
	19-24 yrs	599	10.65
	25-34 yrs	966	17.18
	35-44 yrs	994	17.68
	45-54 yrs	744	13.23
	55-64 yrs	460	8.18
	65-74 yrs	212	3.77
	75-84 yrs	83	1.48
	85+ yrs	26	0.46
Symptom status at time of test*	Yes	2,890	51.4
	No	1,190	21.16
	Unknown	1,543	27.44

*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 08/04/2021 to midnight 21/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	605	154.6
CHO2	393	86.7
CHO3	353	91.7
CHO4	246	35.6
CHO5	238	46.6
CHO6	396	103.3
CHO7	1,076	152.0
CHO8	906	146.3
CHO9	1,408	226.6
Unknown	2	
Total	5,623	118.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 08/04/2021 to midnight 21/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (17/04/2021-21/04/2021)
Donegal	409	256.9	36
Offaly	166	212.9	11
Kildare	445	200.0	36
Longford	71	173.7	6
Dublin	2,340	173.7	174
Meath	314	161.0	20
Westmeath	124	139.7	9
Leitrim	39	121.7	4
Laois	101	119.2	5
Cavan	83	109.0	4
Louth	130	100.9	11
Mayo	131	100.4	9
Limerick	189	97.0	13
Tipperary	149	93.4	19
Roscommon	55	85.2	2
Galway	207	80.2	12
Carlow	44	77.3	4
Monaghan	44	71.7	1
Wicklow	97	68.1	6
Waterford	75	64.6	4
Sligo	30	45.8	5
Clare	53	44.6	3
Wexford	59	39.4	3
Kerry	56	37.9	2
Cork	190	35.0	13
Kilkenny	22	22.2	1
Total	5,623	118.1	415

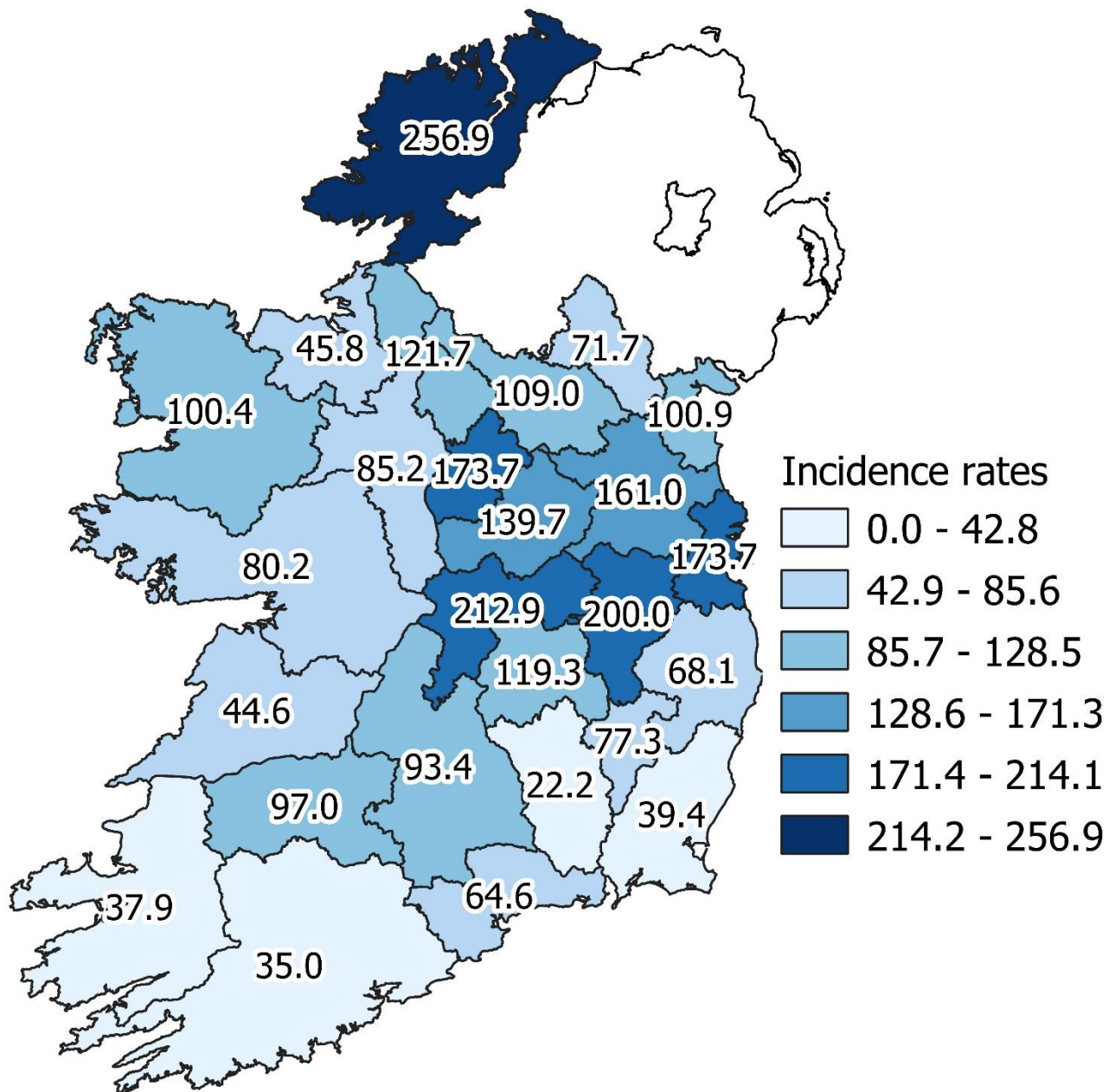


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/04/2021 and 21/04/2021

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 08/04/2021 and 21/04/2021

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	146	107.3
CCA2	Dublin South East	155	125.3
CCA3	Dublin South City	111	74.0
CCA4	Dublin South West	256	159.1
CCA5	Dublin West	262	168.7
CCA6	Dublin North West	676	325.5
CCA7	Dublin North Central	321	207.7
CCA8	Dublin North	411	158.6
	Unknown	2	
	Dublin	2,340	173.7

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

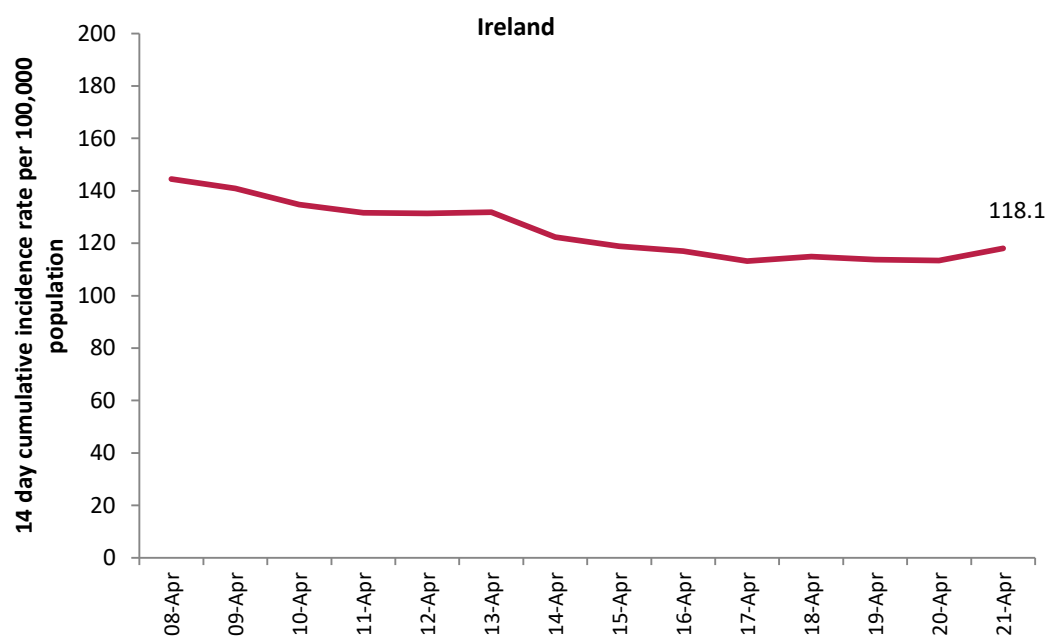


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (08/04/2021 to 21/04/2021)

*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 08/04/2021 to midnight 21/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	260	4.62%
Close contact with a known confirmed case	3087	54.90%
Healthcare setting acquired: patient	80	1.42%
Healthcare setting acquired: staff	33	0.59%
Community transmission	980	17.43%
Under investigation	1183	21.04%
Total	5623	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 08/04/2021 to midnight 21/04/2021 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 (%)
0-12 yrs^	1003	9	3.95	0	0
13-18 yrs	536	7	3.07	0	0
19-24 yrs	599	10	4.39	<5	-
25-34 yrs	966	29	12.72	0	0
35-44 yrs	994	29	12.72	<5	-
45-54 yrs	744	35	15.35	6	30
55-64 yrs	460	34	14.91	<5	-
65-74 yrs	212	35	15.35	<5	-
75-84 yrs	83	29	12.72	<5	-
85+ yrs	26	11	4.82	0	0
Total	5,623	228	100	20	100

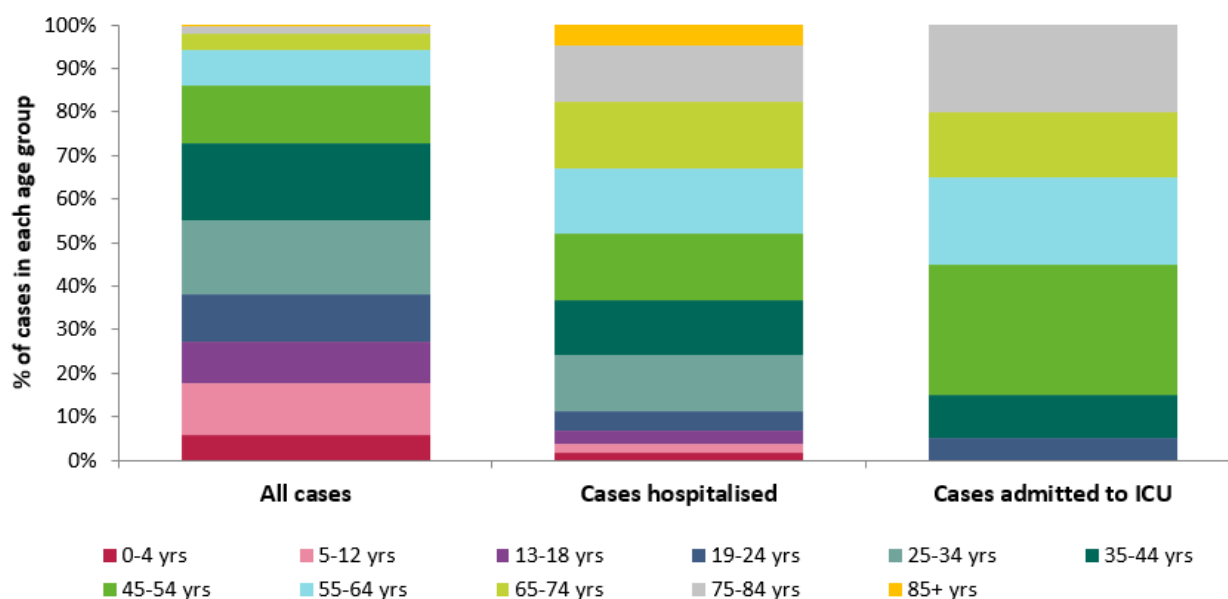


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 08/04/2021 to midnight 21/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

^ 0-4 yrs and 5-12 yrs age groups are combined in this table due to the hospitalisation data for one or both of these age categories being <5

Deaths among COVID-19 cases

Table 7: Summary of deaths* in all COVID-19 cases notified in Ireland from 08/04/2021 up to midnight 21/04/2021

	Number	Percent
Total number of deaths	9	
Confirmed	6	66.67
Probable	1	11.11
Possible	2	22.22
Total number of cases hospitalised	6	66.67
Total number of male cases	3	33.33
M:F ratio	0.5	
Median age (years)	80	
Mean age (years)	78	
Age range (years)	62 - 88	

* The number of deaths described in the above tables relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all COVID-19 deaths which occurred during the period covered by the report. It also does not reflect the final number of deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

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.

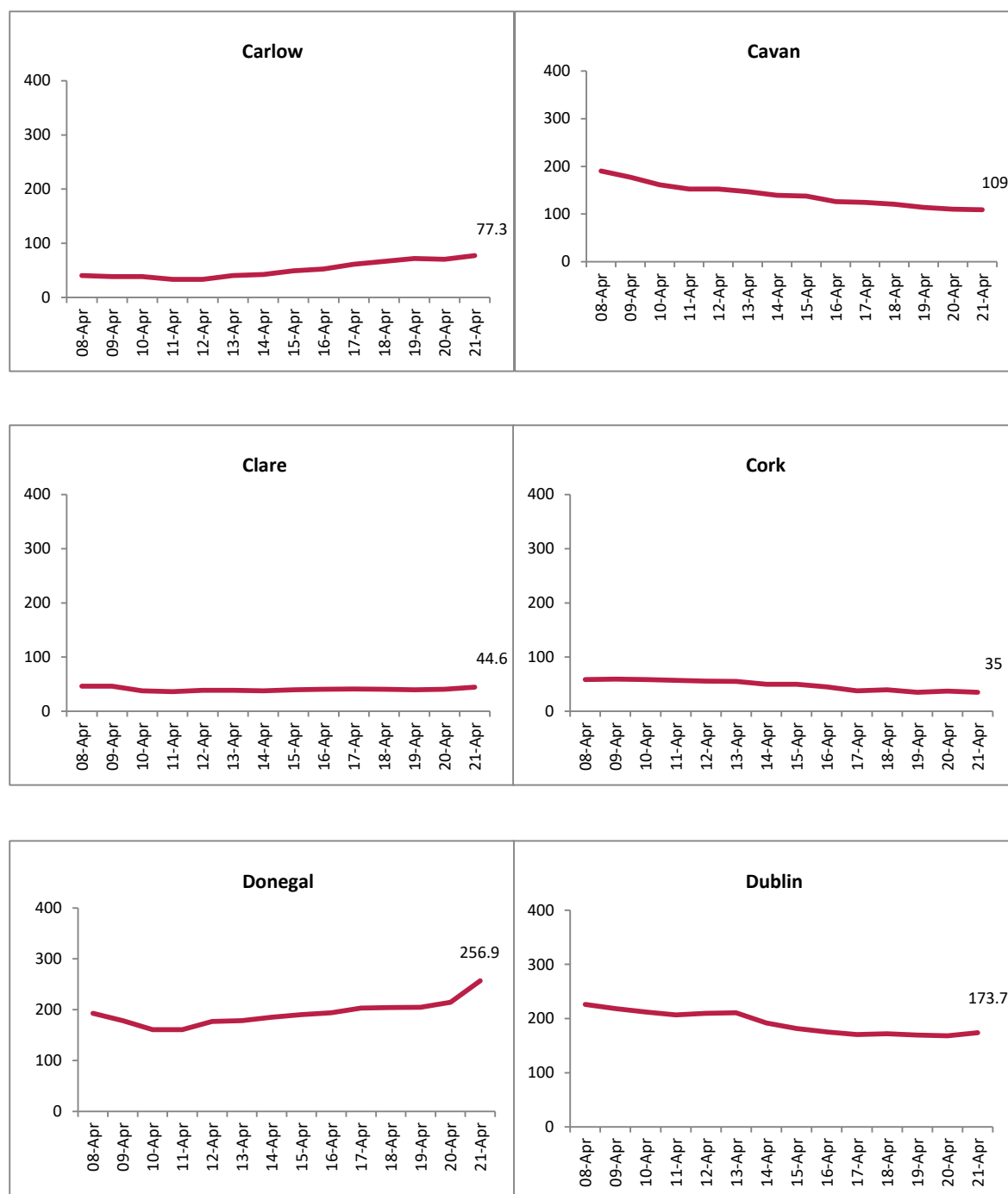
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

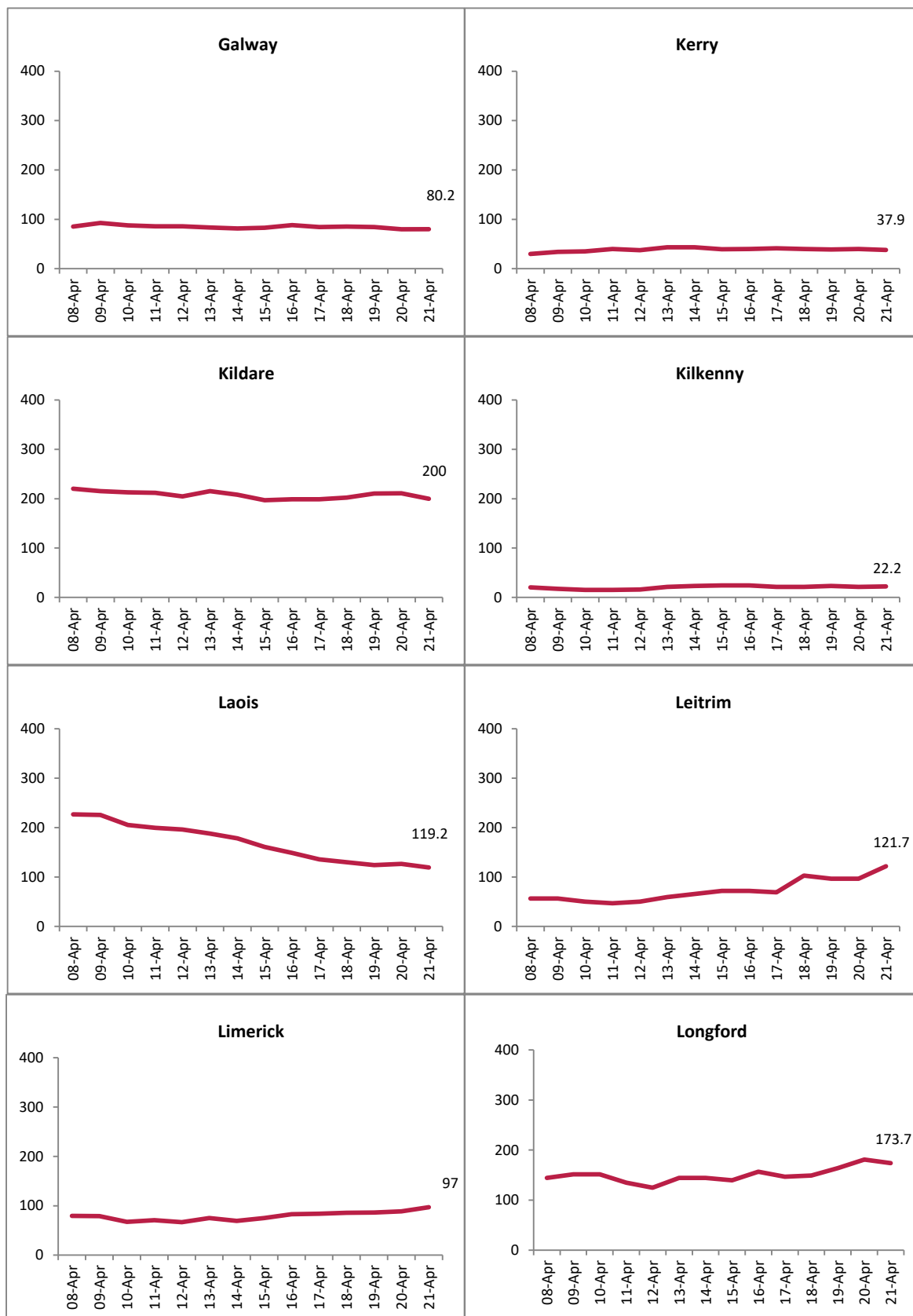
WHO definition of transmission classification is specified below:

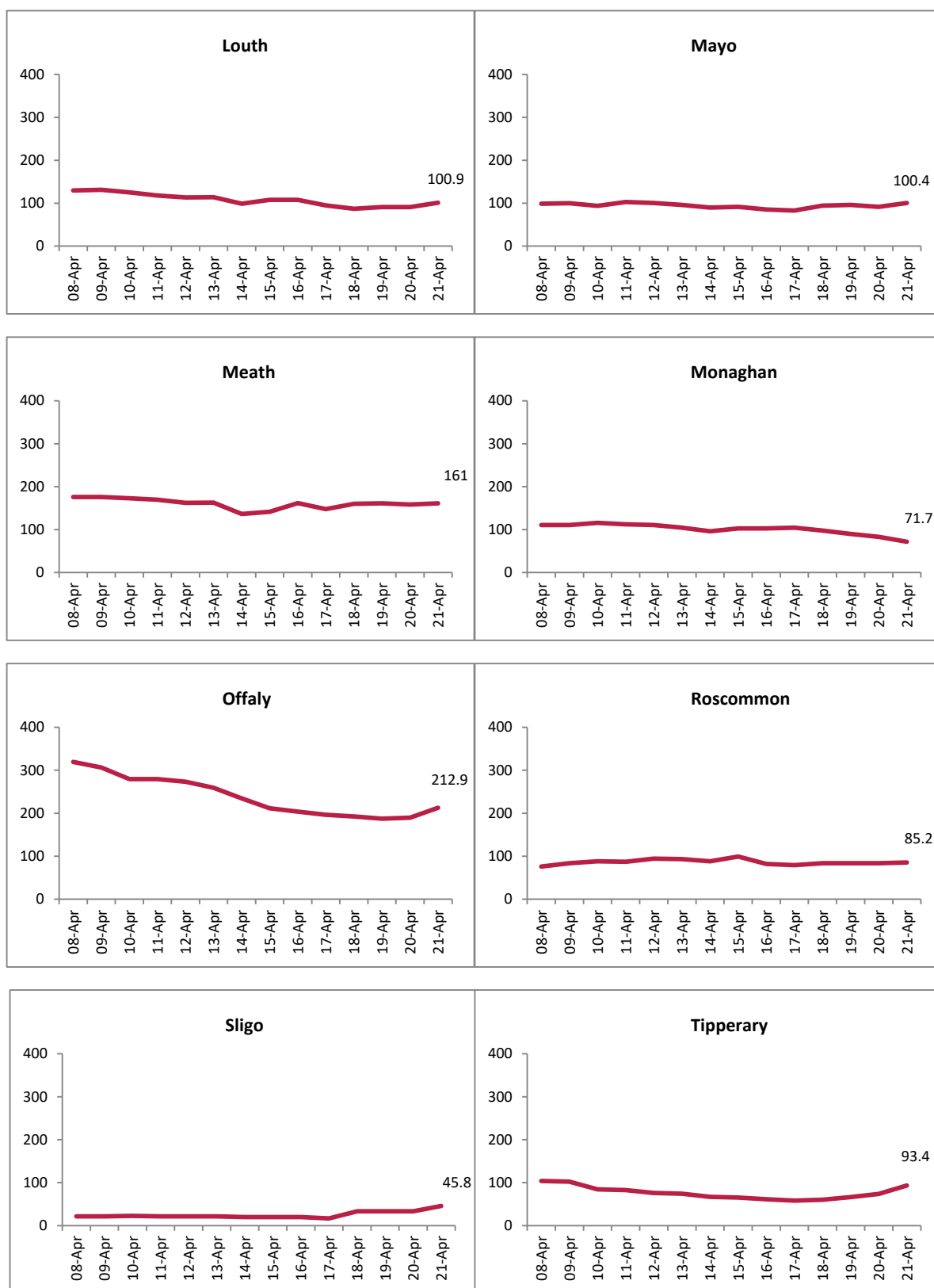
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (08/04/2021 to 21/04/2021)







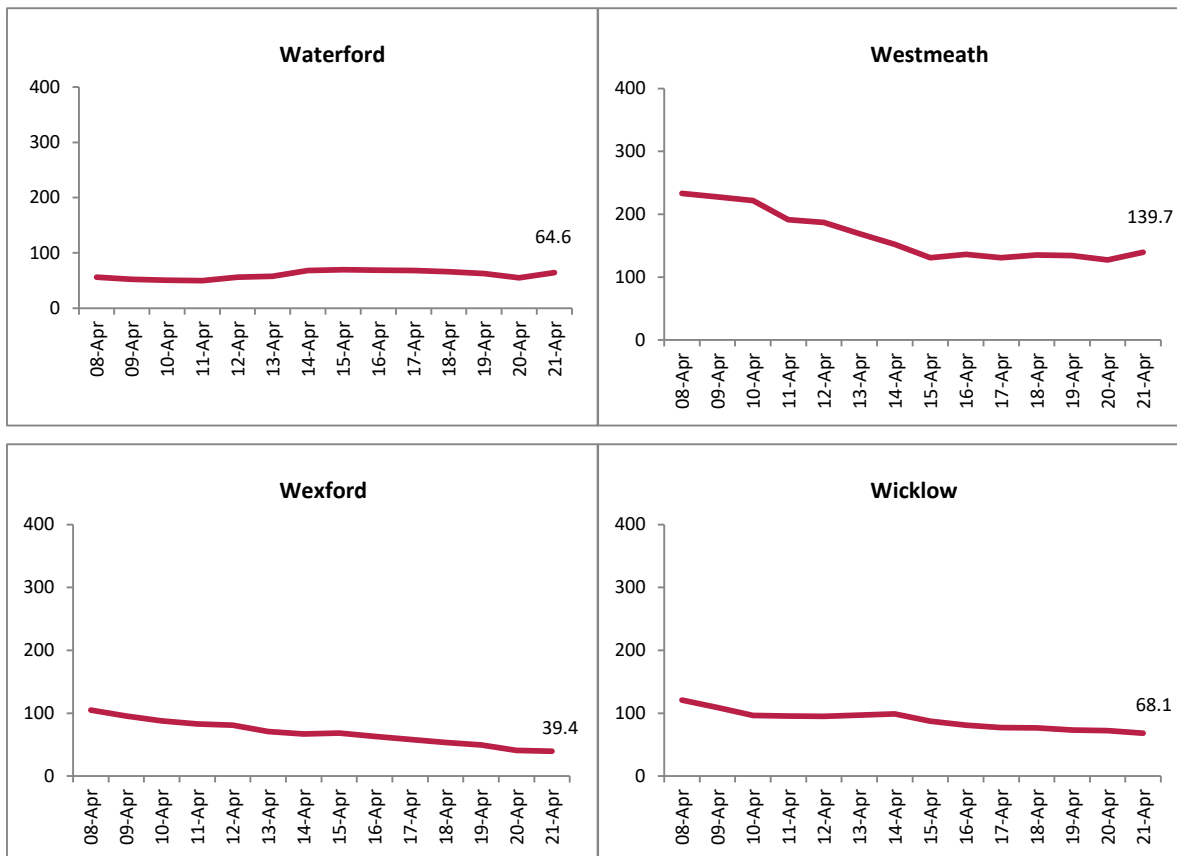


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (08/04/2021 to 21/04/2021)

