



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 30/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/04/2021 up to midnight 29/04/2021

	Number	Percent
Total number of confirmed cases	6,060	
National incidence of confirmed cases per 100,000 population	127.26	
Number of cases hospitalised*	215	3.55
Number of cases admitted to ICU*	20	0.33
Number of deaths among confirmed cases^	4	0.07
Case fatality ratio (CFR, %)	0.07	
National incidence of confirmed deaths per 100,000 population	0.08	
Number of cases** associated with clusters	1,729	28.53
Number of imported cases	77	1.27
Number of cases in healthcare workers	146	2.41
Males	3,138	51.78
Females	2,908	47.99
M:F ratio	1.08	
Median age (years)	30	
Mean age (years)	32	
Age range (years)	0 - 96	

* 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 16/04/2021 - 29/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:36 on 30/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

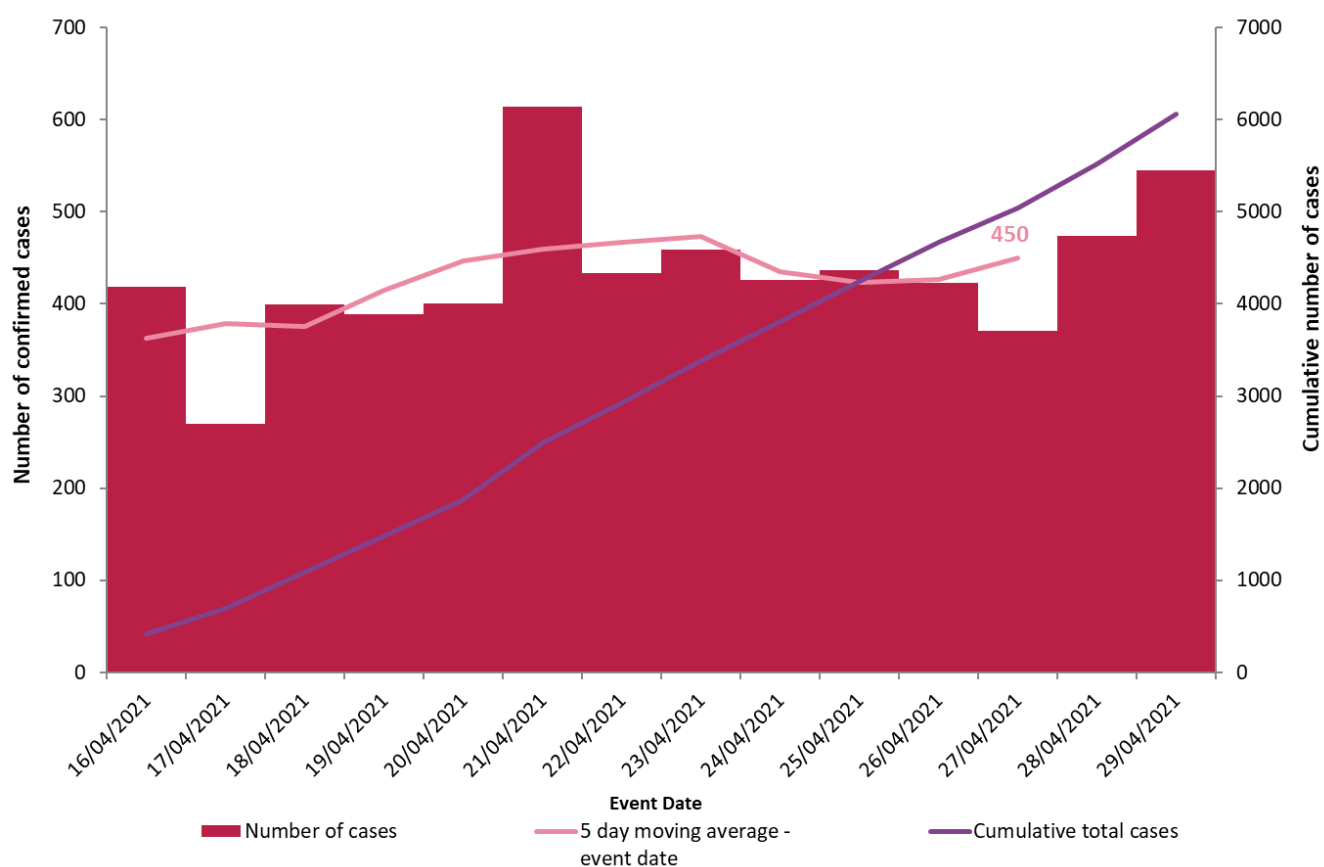


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,060)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 16/04/2021 up to midnight on 29/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,060	100
Sex	Male:Female ratio	1.08	
	Male	3,138	51.78
	Female	2,908	47.99
	Unknown	14	0.23
Age	Median age (years)	30	
	Mean age (years)	32	
	Age range (years)	0 - 96	
	0-4 yrs	375	6.19
	5-12 yrs	705	11.63
	13-18 yrs	703	11.6
	19-24 yrs	650	10.73
	25-34 yrs	1,029	16.98
	35-44 yrs	996	16.44
	45-54 yrs	821	13.55
	55-64 yrs	472	7.79
	65-74 yrs	206	3.4
	75-84 yrs	75	1.24
	85+ yrs	28	0.46
Symptom status at time of test*	Yes	3,172	52.34
	No	1,320	21.78
	Unknown	1,568	25.87

*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 16/04/2021 to midnight 29/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	669	171.0
CHO2	367	81.0
CHO3	478	124.2
CHO4	317	45.9
CHO5	235	46.0
CHO6	460	120.1
CHO7	1,255	177.3
CHO8	854	137.9
CHO9	1,421	228.7
Unknown	4	
Total	6,060	127.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/04/2021 to midnight 29/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (25/04/2021-29/04/2021)
Donegal	467	293.4	40
Kildare	531	238.6	43
Westmeath	169	190.4	16
Dublin	2,484	184.4	175
Offaly	134	171.9	8
Longford	69	168.8	3
Tipperary	242	151.7	16
Meath	281	144.1	21
Leitrim	43	134.2	2
Limerick	241	123.7	17
Louth	141	109.4	9
Cavan	73	95.8	5
Galway	229	88.7	21
Wicklow	125	87.8	10
Carlow	48	84.3	4
Monaghan	49	79.8	6
Mayo	94	72.0	5
Laois	60	70.8	2
Roscommon	44	68.2	3
Waterford	74	63.7	8
Sligo	37	56.5	2
Cork	290	53.4	27
Clare	44	37.0	3
Wexford	40	26.7	2
Kilkenny	24	24.2	1
Kerry	27	18.3	1
Total	6,060	127.3	450

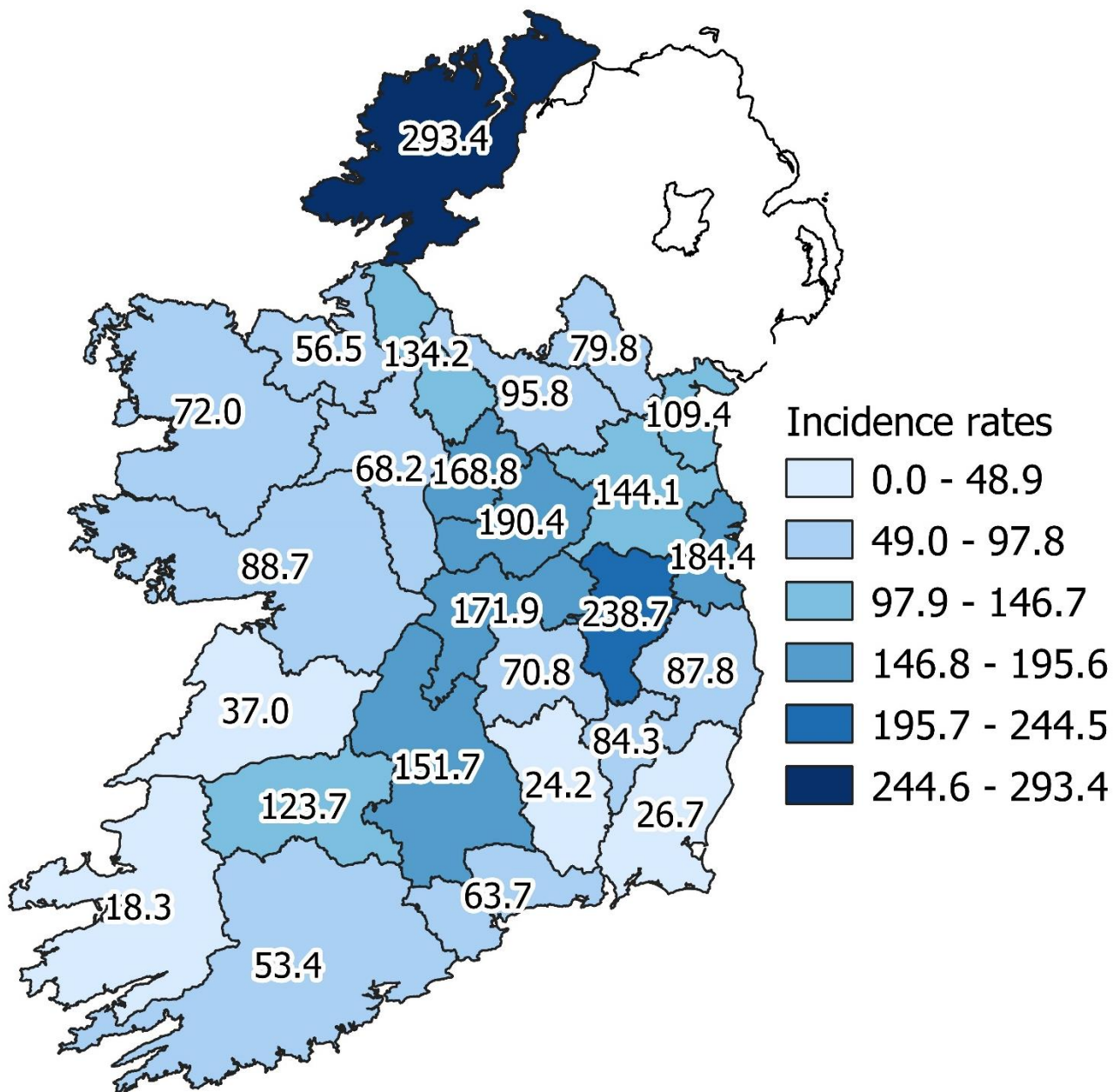


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 16/04/2021 and 29/04/2021

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

Please be advised that CCA data are currently being validated and this table will be reintroduced once validation is complete.

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

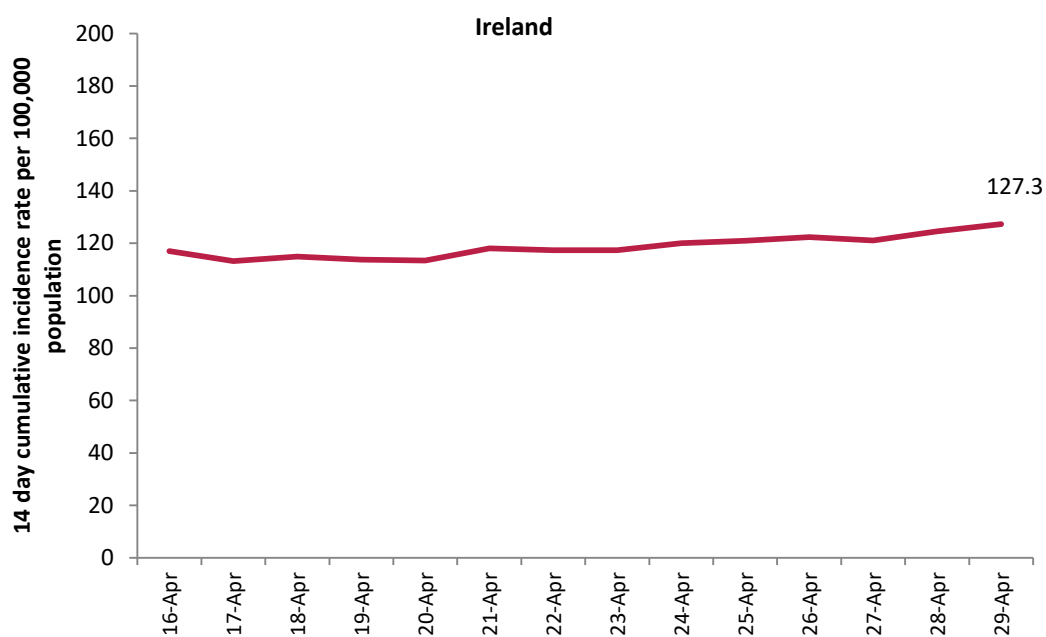


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (16/04/2021 to 29/04/2021)

*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 16/04/2021 to midnight 29/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	226	3.73%
Close contact with a known confirmed case	3513	57.97%
Healthcare setting acquired: patient	54	0.89%
Healthcare setting acquired: staff	24	0.40%
Community transmission	1016	16.77%
Under investigation	1227	20.25%
Total	6060	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 16/04/2021 to midnight 29/04/2021 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 (%)
0-4 yrs	375	5	2.33	0	0.0
5-12 yrs	705	7	3.26	0	0.0
13-18 yrs	703	10	4.65	0	0.0
19-24 yrs	650	13	6.05	<5	-
25-34 yrs	1,029	22	10.23	0	0.0
35-44 yrs	996	31	14.42	5	25.0
45-54 yrs	821	40	18.60	<5	-
55-64 yrs	472	32	14.88	5	25.0
65-74 yrs	206	34	15.81	5	25.0
75-84 yrs	75	14	6.51	0	0.0
85+ yrs	28	7	3.26	0	0.0
Total	6,060	215	100	20	100

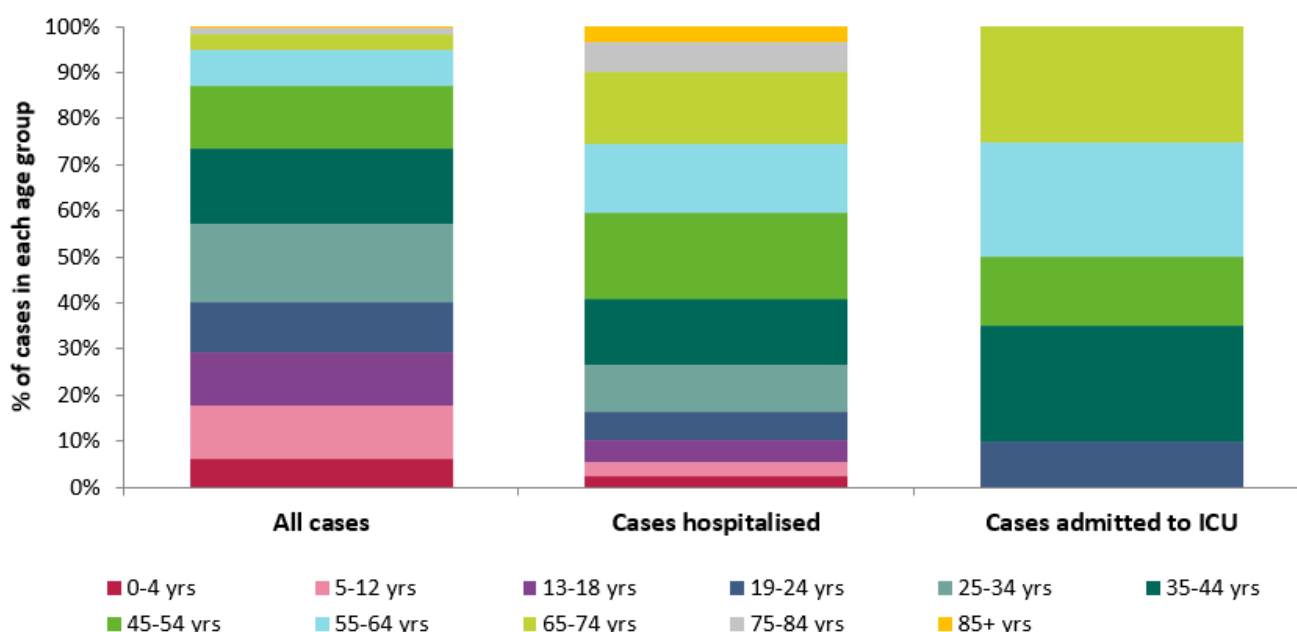


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 16/04/2021 to midnight 29/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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.

Deaths among COVID-19 cases

Table 7: Summary of deaths[^] in all COVID-19 cases notified in Ireland from 16/04/2021 up to midnight 29/04/2021

	Number	Percent
Total number of deaths	9	
Confirmed	4	44.44
Probable	2	22.22
Possible	3	33.33
Total number of cases hospitalised	4	44.44
Total number of male cases	4	44.44
M:F ratio	0.8	
Median age (years)	81	
Mean age (years)	77	
Age range (years)	63 - 88	

[^] 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.

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.

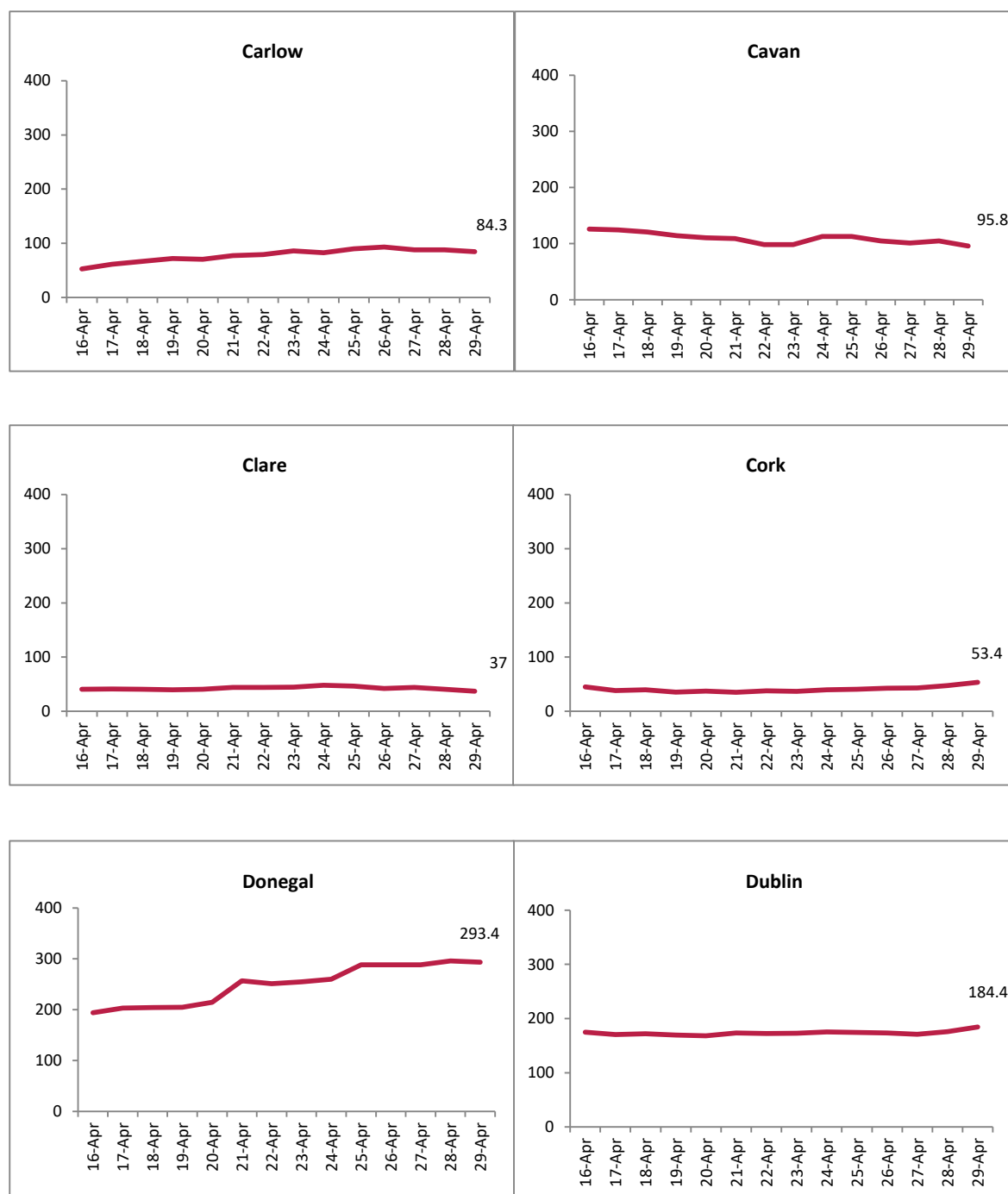
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

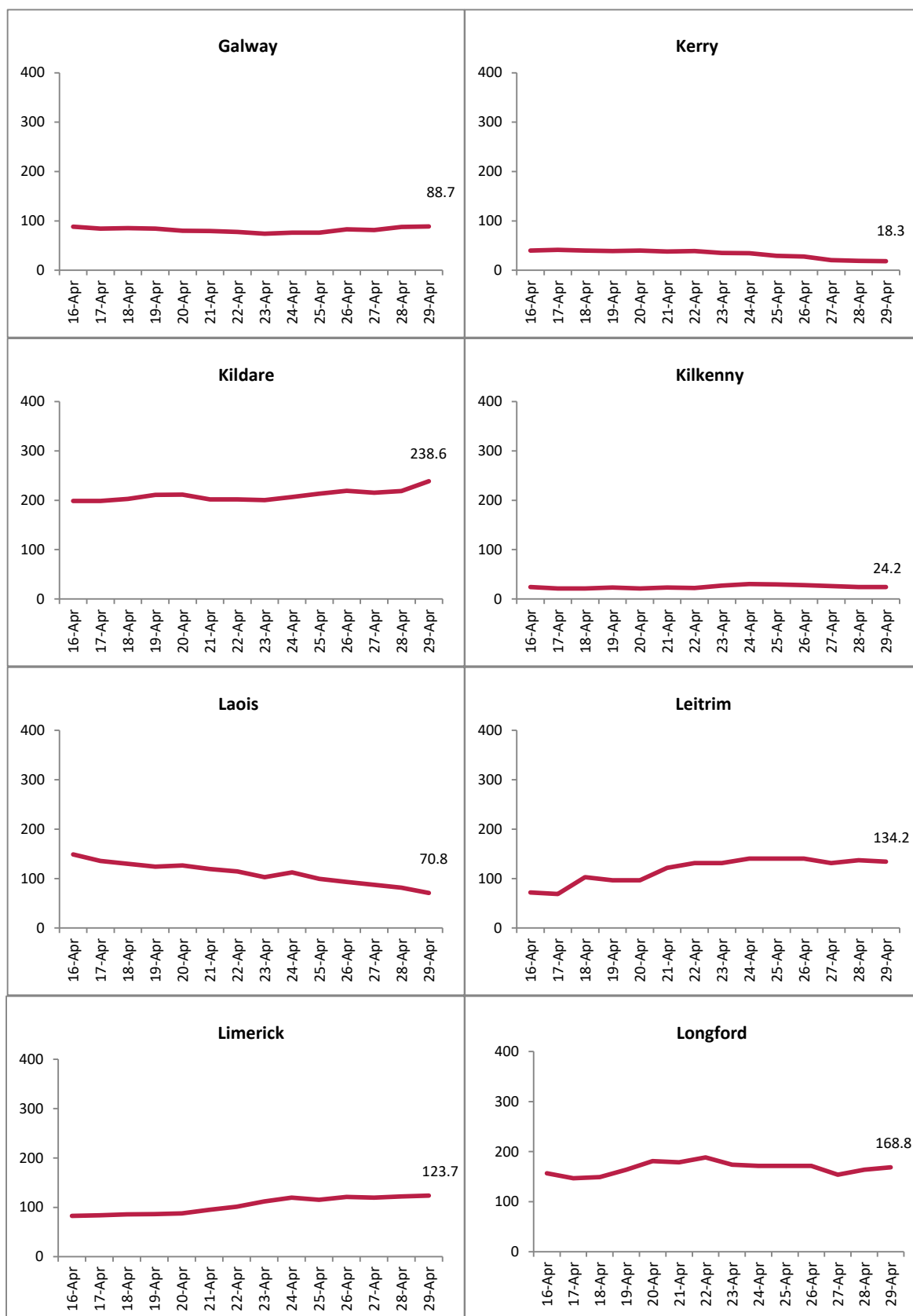
WHO definition of transmission classification is specified below:

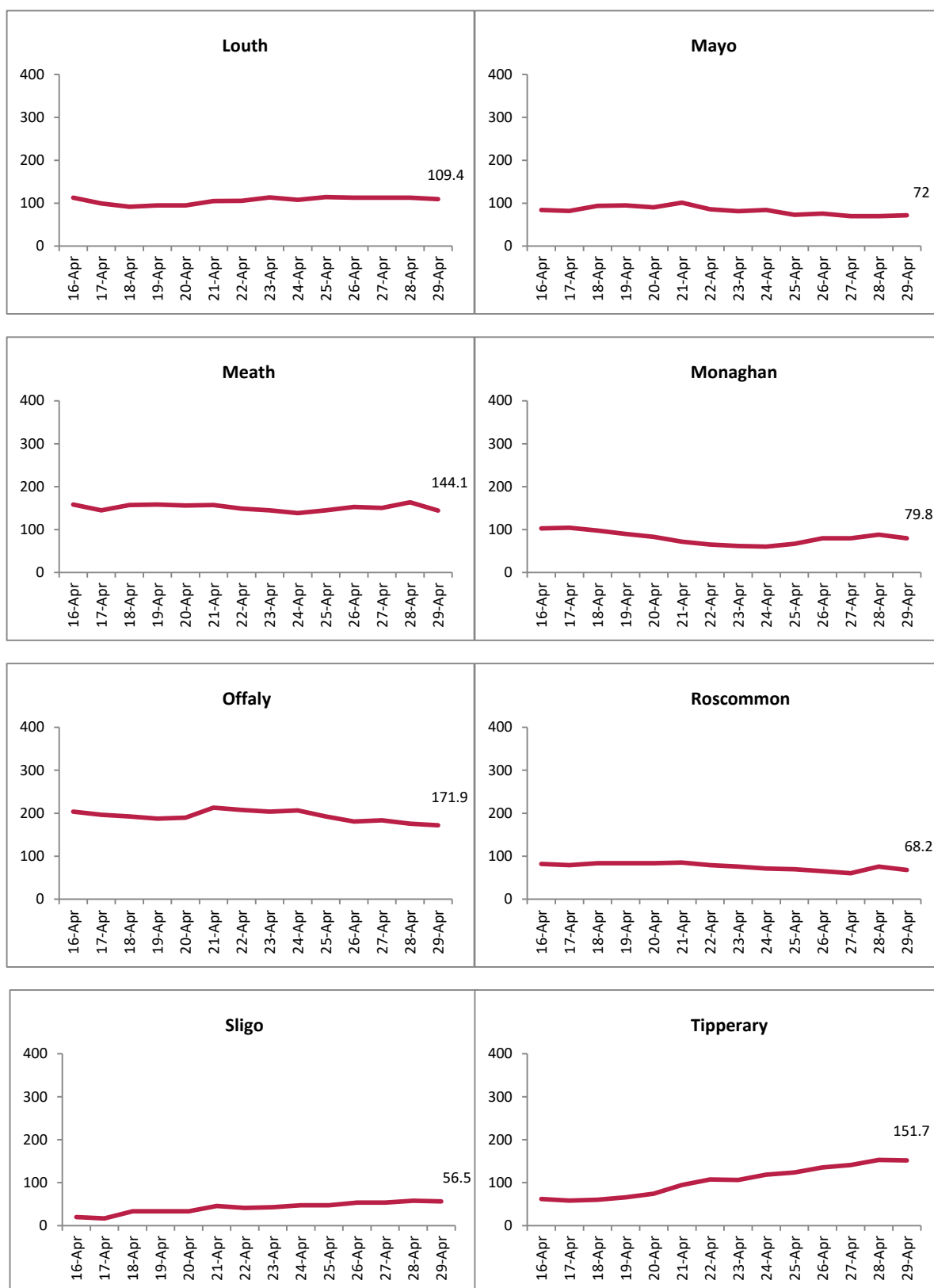
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

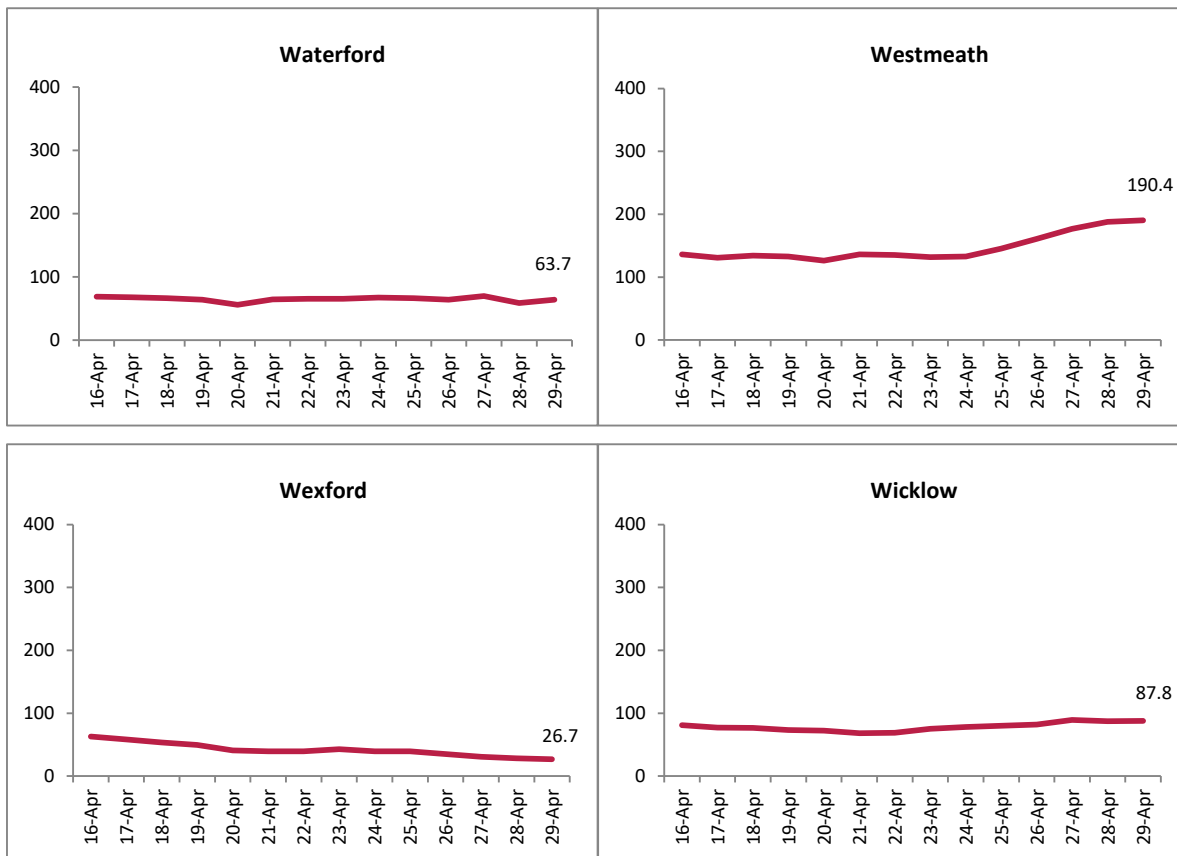
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (16/04/2021 to 29/04/2021)









Please be advised that the Dublin CCA data are being validated and the CCA graphs (Figure B) will be reintroduced once validation is complete.