



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 29/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/04/2021 up to midnight 28/04/2021

	Number	Percent
Total number of confirmed cases	5,935	
National incidence of confirmed cases per 100,000 population	124.64	
Number of cases hospitalised*	216	3.64
Number of cases admitted to ICU*	19	0.32
Number of deaths among confirmed cases^	5	0.08
Case fatality ratio (CFR, %)	0.08	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,779	29.97
Number of imported cases	47	0.79
Number of cases in healthcare workers	143	2.41
Males	3,061	51.58
Females	2,865	48.27
M:F ratio	1.07	
Median age (years)	31	
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 15/04/2021 - 28/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:37 on 29/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

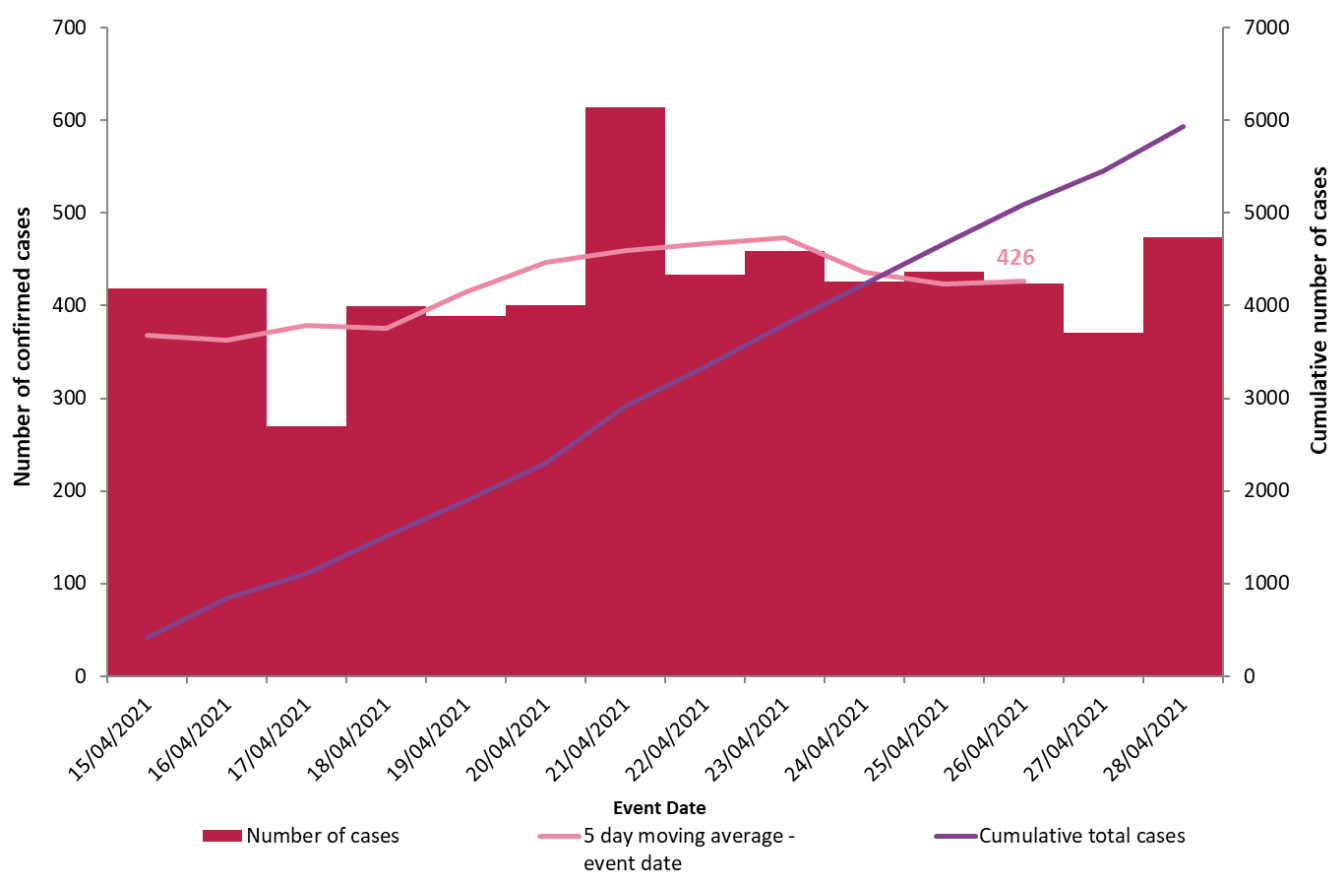


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,935)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 15/04/2021 up to midnight on 28/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,935	100
Sex	Male:Female ratio	1.07	
	Male	3,061	51.58
	Female	2,865	48.27
	Unknown	9	0.15
Age	Median age (years)	31	
	Mean age (years)	32	
	Age range (years)	0 - 96	
	0-4 yrs	379	6.39
	5-12 yrs	692	11.66
	13-18 yrs	674	11.36
	19-24 yrs	616	10.38
	25-34 yrs	1,004	16.92
	35-44 yrs	982	16.55
	45-54 yrs	816	13.75
	55-64 yrs	460	7.75
	65-74 yrs	208	3.5
	75-84 yrs	77	1.3
	85+ yrs	27	0.45
Symptom status at time of test*	Yes	3,102	52.27
	No	1,345	22.66
	Unknown	1,488	25.07

*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 15/04/2021 to midnight 28/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	690	176.3
CHO2	363	80.1
CHO3	483	125.5
CHO4	286	41.4
CHO5	234	45.9
CHO6	416	108.6
CHO7	1,161	164.0
CHO8	905	146.1
CHO9	1,397	224.8
Total	5,935	124.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 15/04/2021 to midnight 28/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (24/04/2021-28/04/2021)
Donegal	471	295.9	39
Kildare	487	218.9	41
Westmeath	168	189.3	16
Offaly	137	175.7	8
Dublin	2,366	175.6	156
Longford	67	163.9	3
Meath	319	163.6	23
Tipperary	243	152.3	19
Leitrim	47	146.7	4
Limerick	239	122.6	18
Louth	145	112.5	7
Cavan	80	105.0	8
Carlow	53	93.1	4
Monaghan	54	88.0	6
Galway	224	86.8	17
Wicklow	121	85.0	9
Laois	69	81.5	4
Roscommon	48	74.4	3
Mayo	91	69.7	5
Sligo	38	58.0	2
Waterford	67	57.7	6
Cork	258	47.5	23
Clare	48	40.4	3
Wexford	43	28.7	1
Kilkenny	24	24.2	1
Kerry	28	19.0	1
Total	5,935	124.6	426

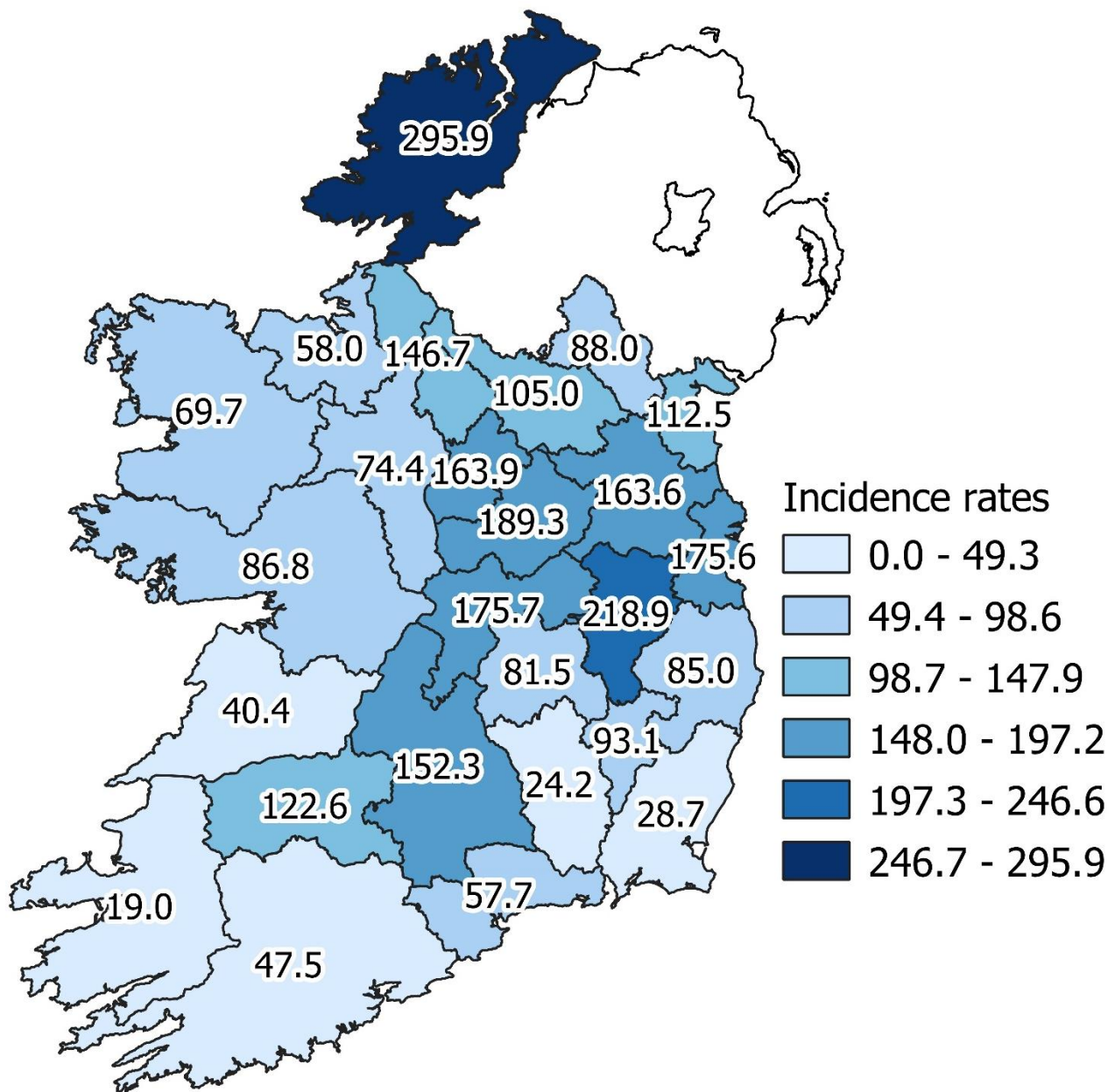


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 15/04/2021 and 28/04/2021

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 15/04/2021 and 28/04/2021

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	148	108.8
CCA2	Dublin South East	151	122.1
CCA3	Dublin South City	150	100.0
CCA4	Dublin South West	258	160.4
CCA5	Dublin West	262	168.7
CCA6	Dublin North West	666	320.7
CCA7	Dublin North Central	345	223.2
CCA8	Dublin North	386	148.9
Dublin		2,366	175.6

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

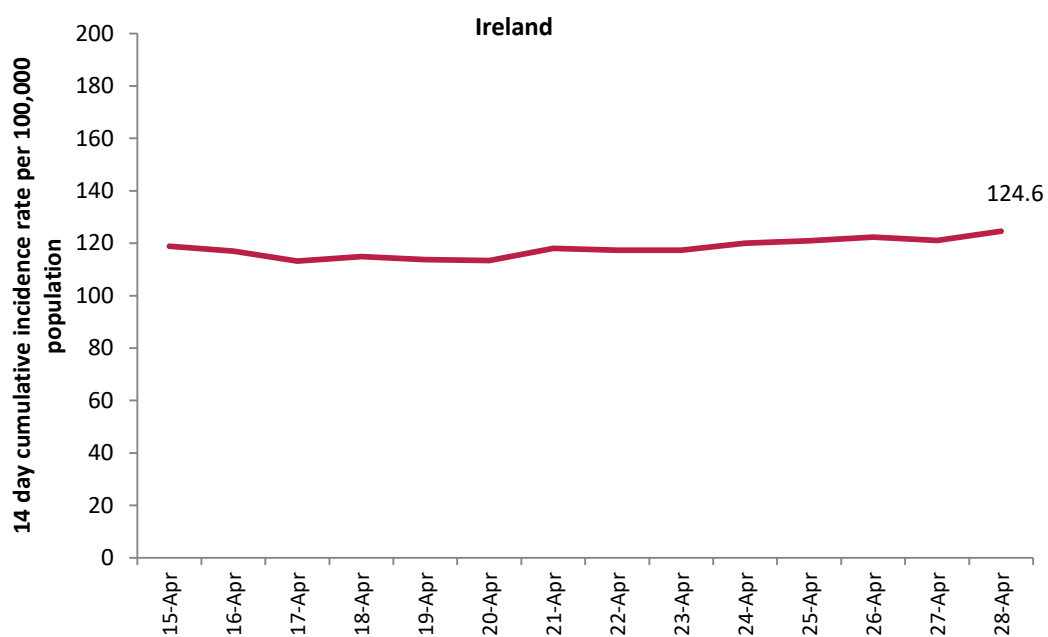


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (15/04/2021 to 28/04/2021)

*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 15/04/2021 to midnight 28/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	230	3.88%
Close contact with a known confirmed case	3451	58.15%
Healthcare setting acquired: patient	55	0.93%
Healthcare setting acquired: staff	30	0.51%
Community transmission	1029	17.34%
Under investigation	1140	19.21%
Total	5935	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 15/04/2021 to midnight 28/04/2021 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	379	5	2.31	0	0
5-12 yrs	692	7	3.24	0	0
13-18 yrs	674	11	5.09	0	0
19-24 yrs	616	13	6.02	<5	-
25-34 yrs	1,004	26	12.04	0	0
35-44 yrs	982	29	13.43	<5	-
45-54 yrs	816	39	18.06	<5	-
55-64 yrs	460	29	13.43	5	26.32
65-74 yrs	208	33	15.28	5	26.32
75-84 yrs	77	18	8.33	<5	-
85+ yrs	27	6	2.78	0	0
Total	5,935	216	100	19	100

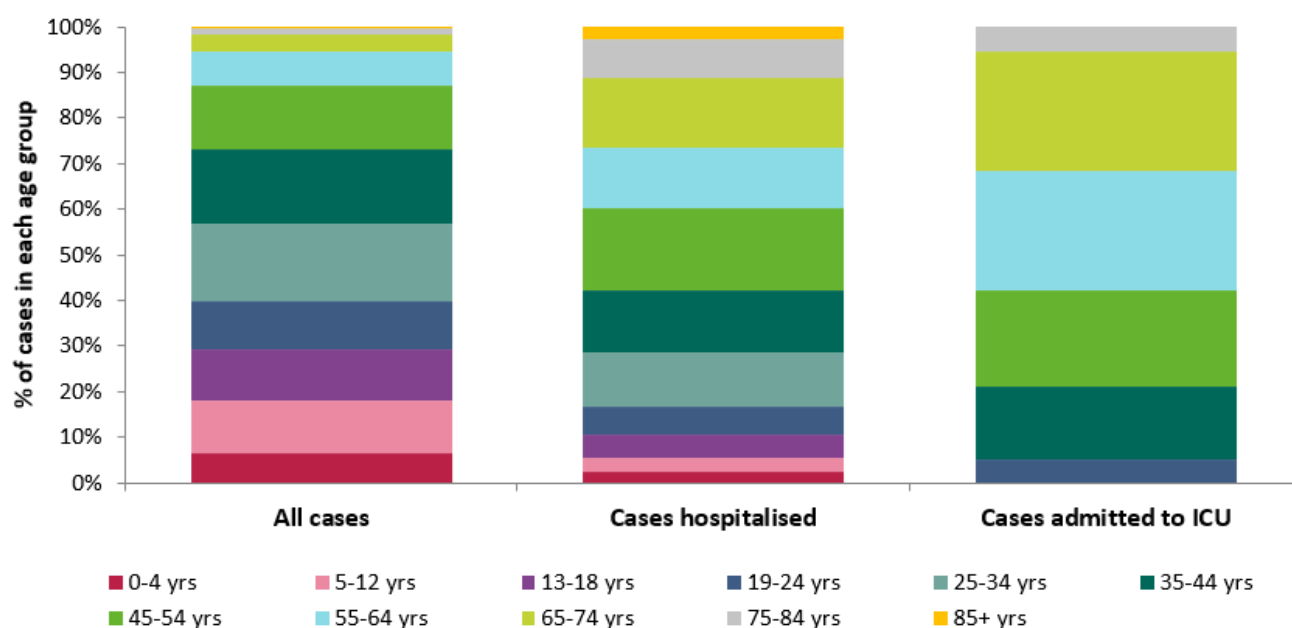


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 15/04/2021 to midnight 28/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 15/04/2021 up to midnight 28/04/2021

	Number	Percent
Total number of deaths	10	
Confirmed	5	50
Probable	2	20
Possible	3	30
Total number of cases hospitalised	5	50
Total number of male cases	4	40
M:F ratio	0.67	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	65 - 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.

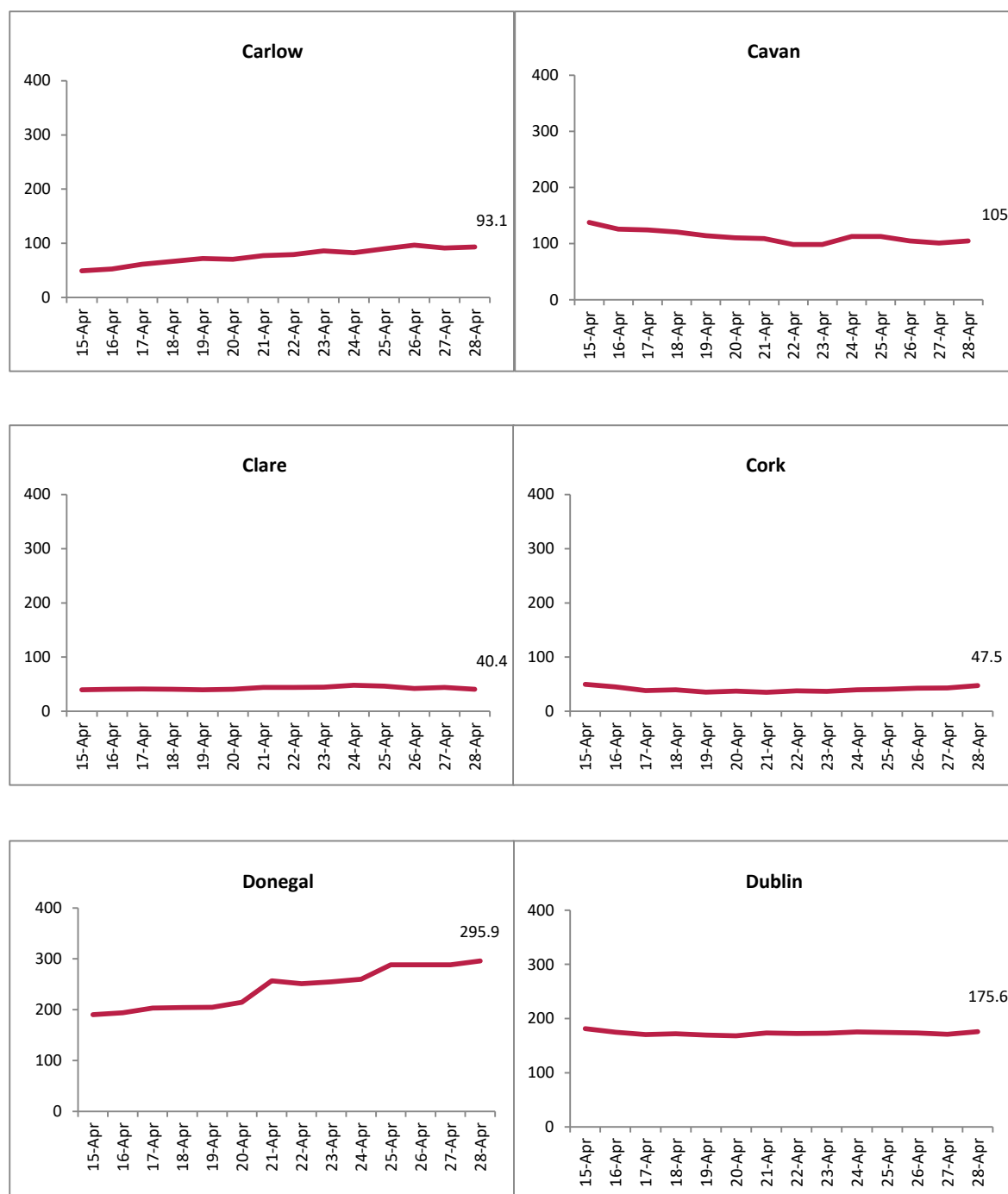
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

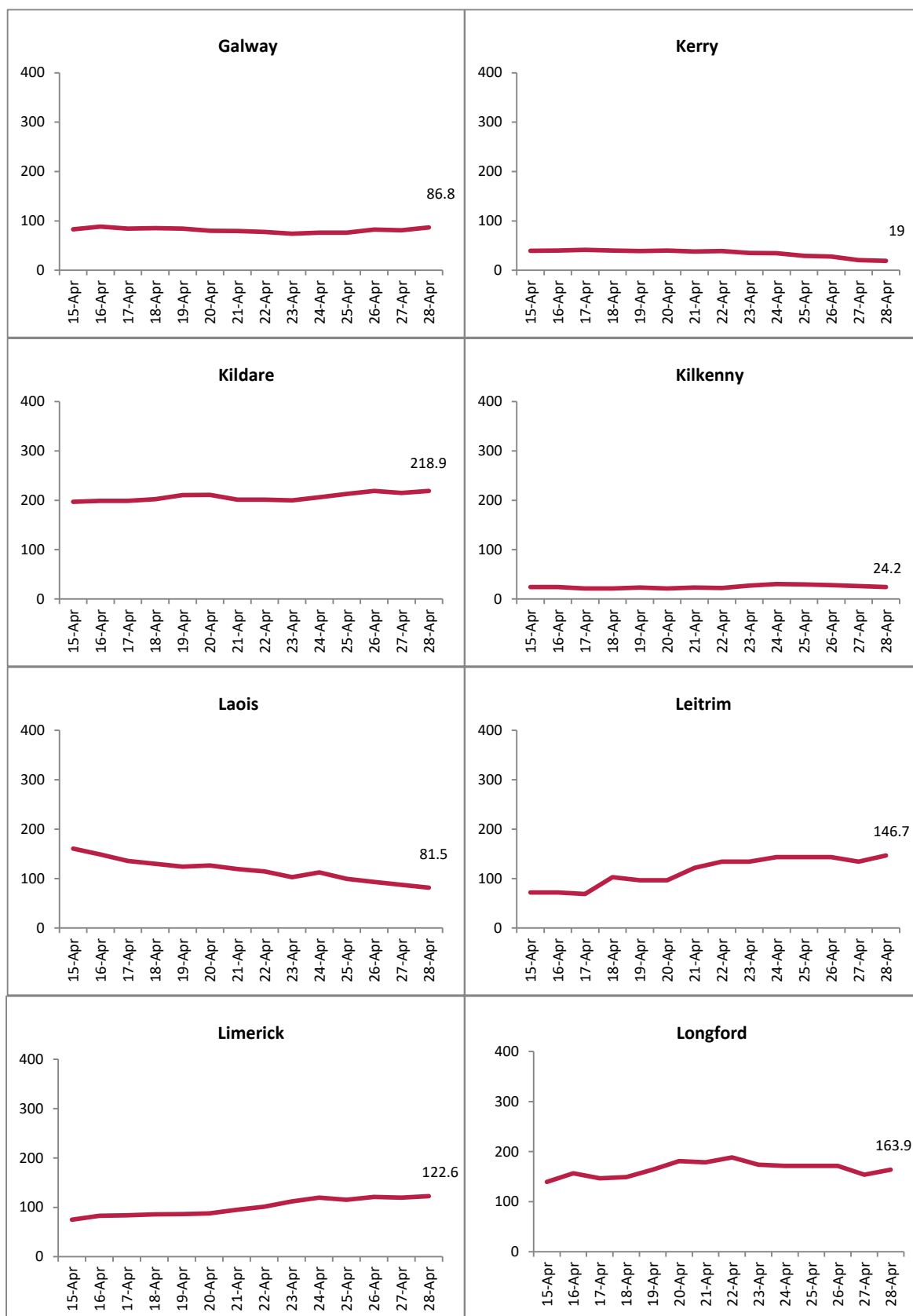
WHO definition of transmission classification is specified below:

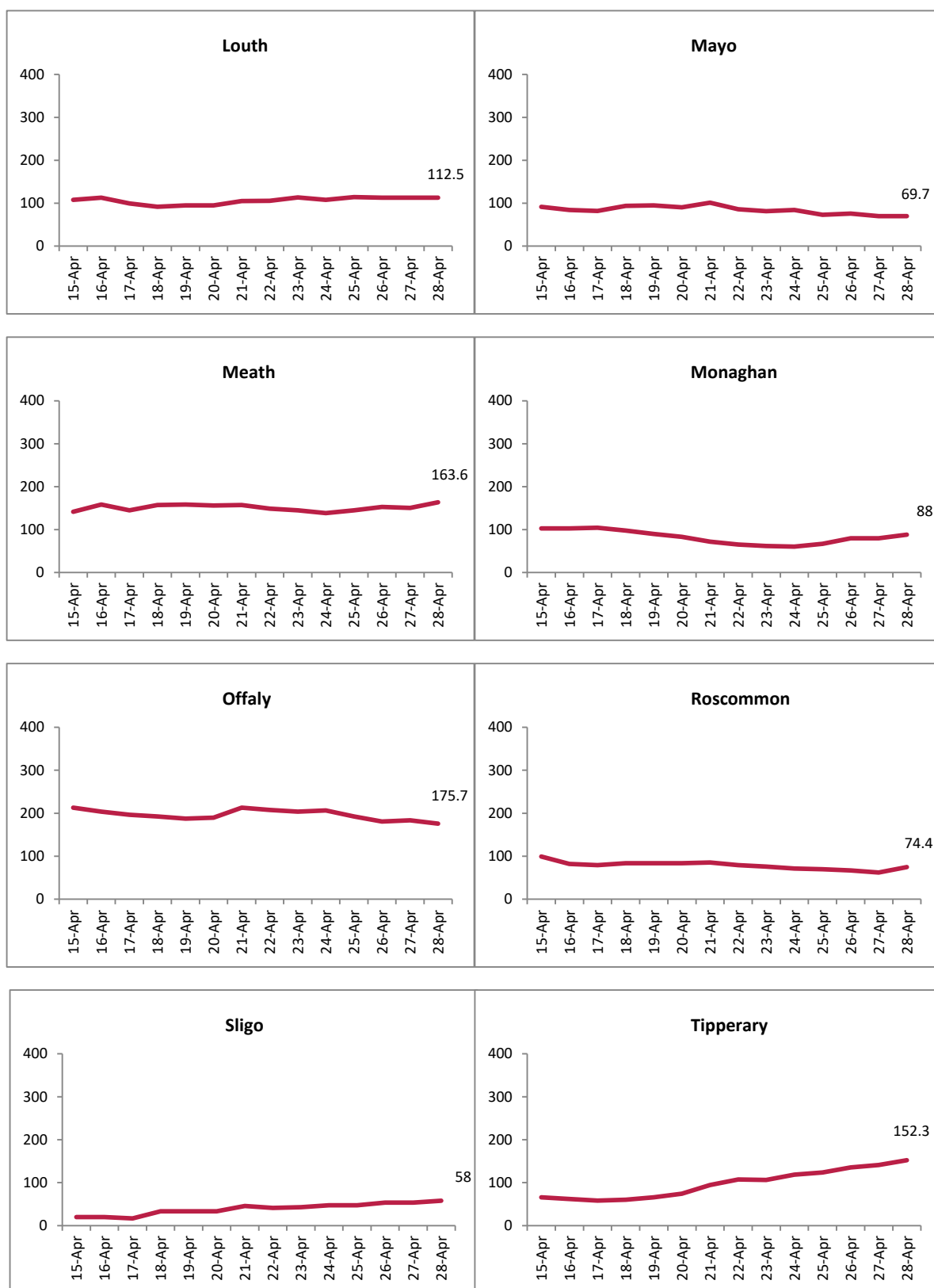
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (15/04/2021 to 28/04/2021)







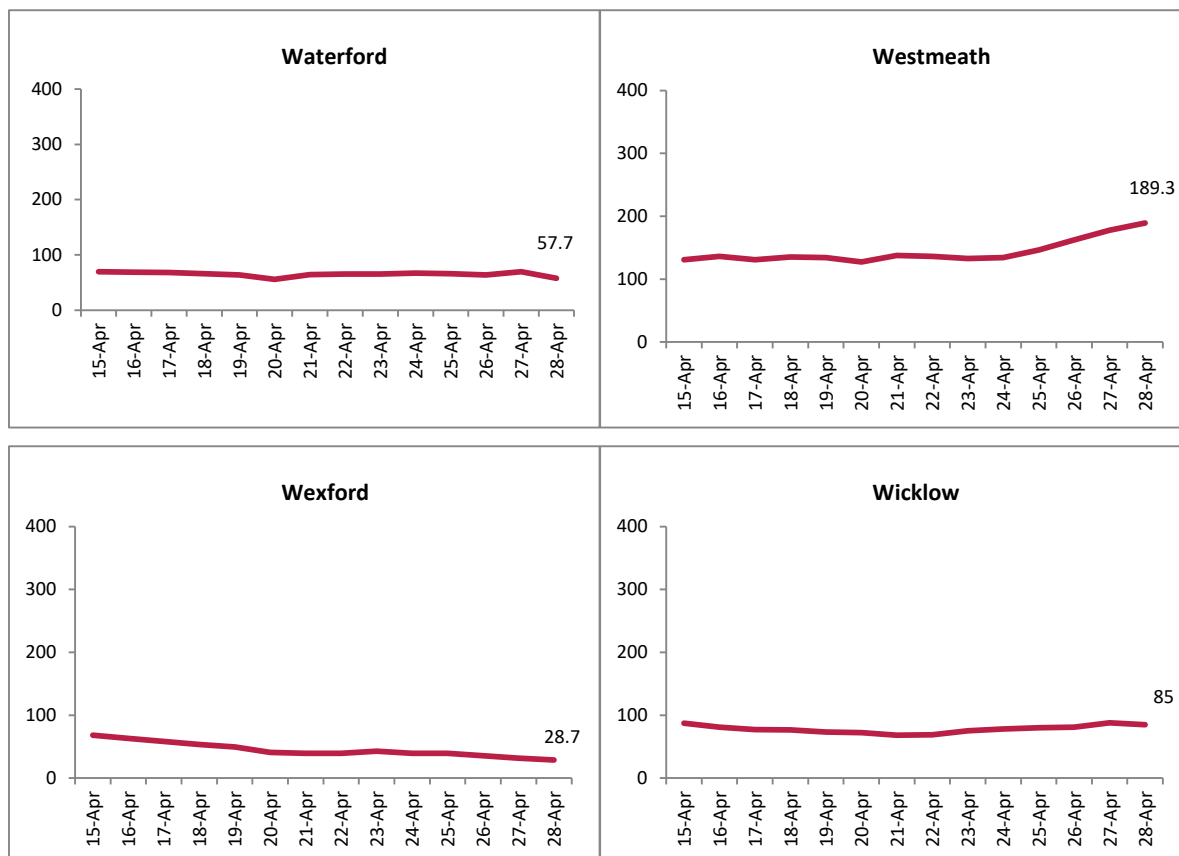


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (15/04/2021 to 28/04/2021)

