



## Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 23/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 09/04/2021 up to midnight 22/04/2021

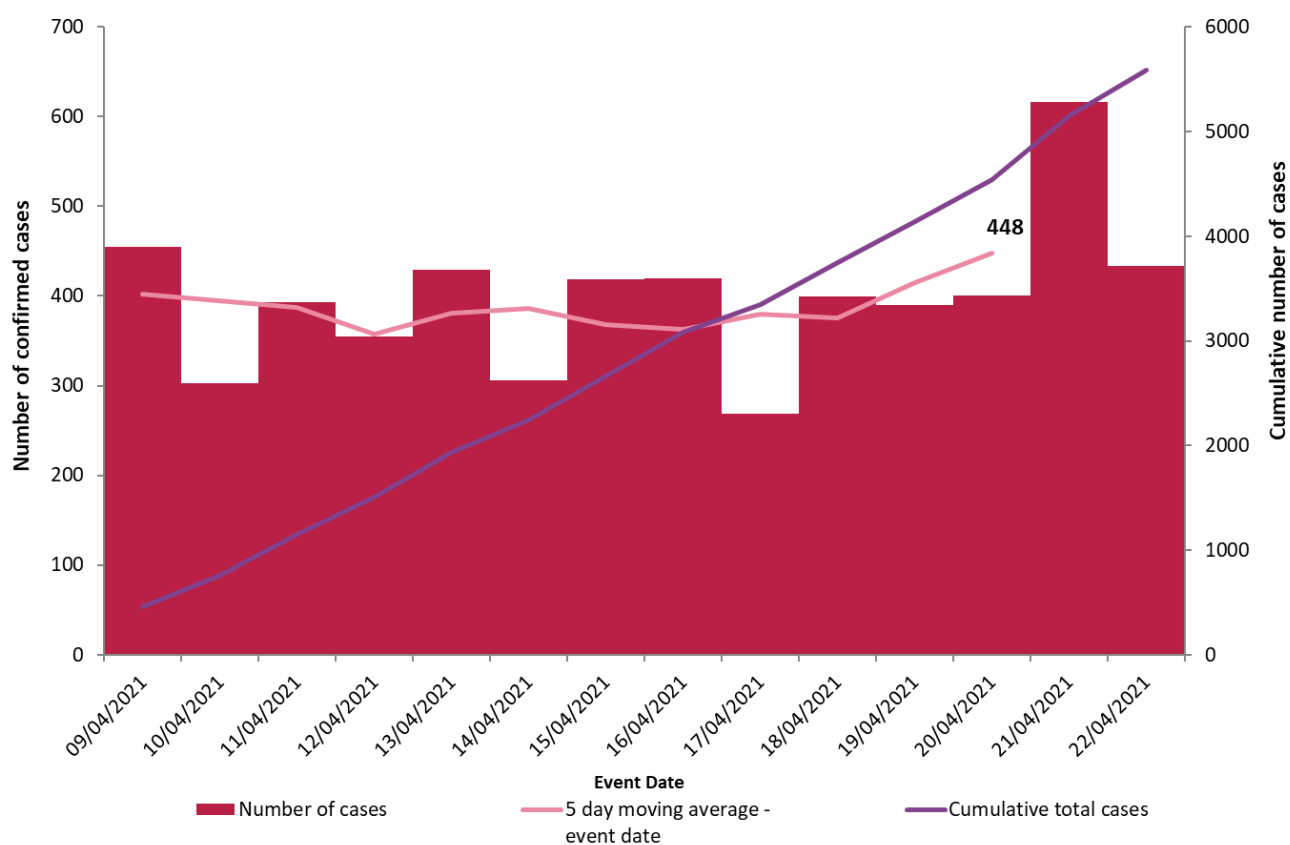
	Number	Percent
Total number of confirmed cases	5,589	
National incidence of confirmed cases per 100,000 population	117.37	
Number of cases hospitalised*	227	4.06
Number of cases admitted to ICU*	19	0.34
Number of deaths among confirmed cases^	4	0.07
Case fatality ratio (CFR, %)	0.07	
National incidence of confirmed deaths per 100,000 population	0.08	
Number of cases** associated with clusters	1,477	26.43
Number of imported cases	76	1.36
Number of cases in healthcare workers	163	2.92
Males	2,832	50.67
Females	2,749	49.19
M:F ratio	1.03	
Median age (years)	32	
Mean age (years)	33	
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 09/04/2021 - 22/04/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:39 on 23/04/2021 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=5,589)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 09/04/2021 up to midnight on 22/04/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>5,589</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.03	
	Male	2,832	50.67
	Female	2,749	49.19
	Unknown	8	0.14
<b>Age</b>	Median age (years)	32	
	Mean age (years)	33	
	Age range (years)	0 - 94	
	0-4 yrs	322	5.76
	5-12 yrs	652	11.67
	13-18 yrs	534	9.55
	19-24 yrs	596	10.66
	25-34 yrs	960	17.18
	35-44 yrs	997	17.84
	45-54 yrs	747	13.37
	55-64 yrs	465	8.32
	65-74 yrs	209	3.74
	75-84 yrs	79	1.41
	85+ yrs	28	0.5
<b>Symptom status at time of test*</b>	Yes	2,912	52.1
	No	1,211	21.67
	Unknown	1,466	26.23

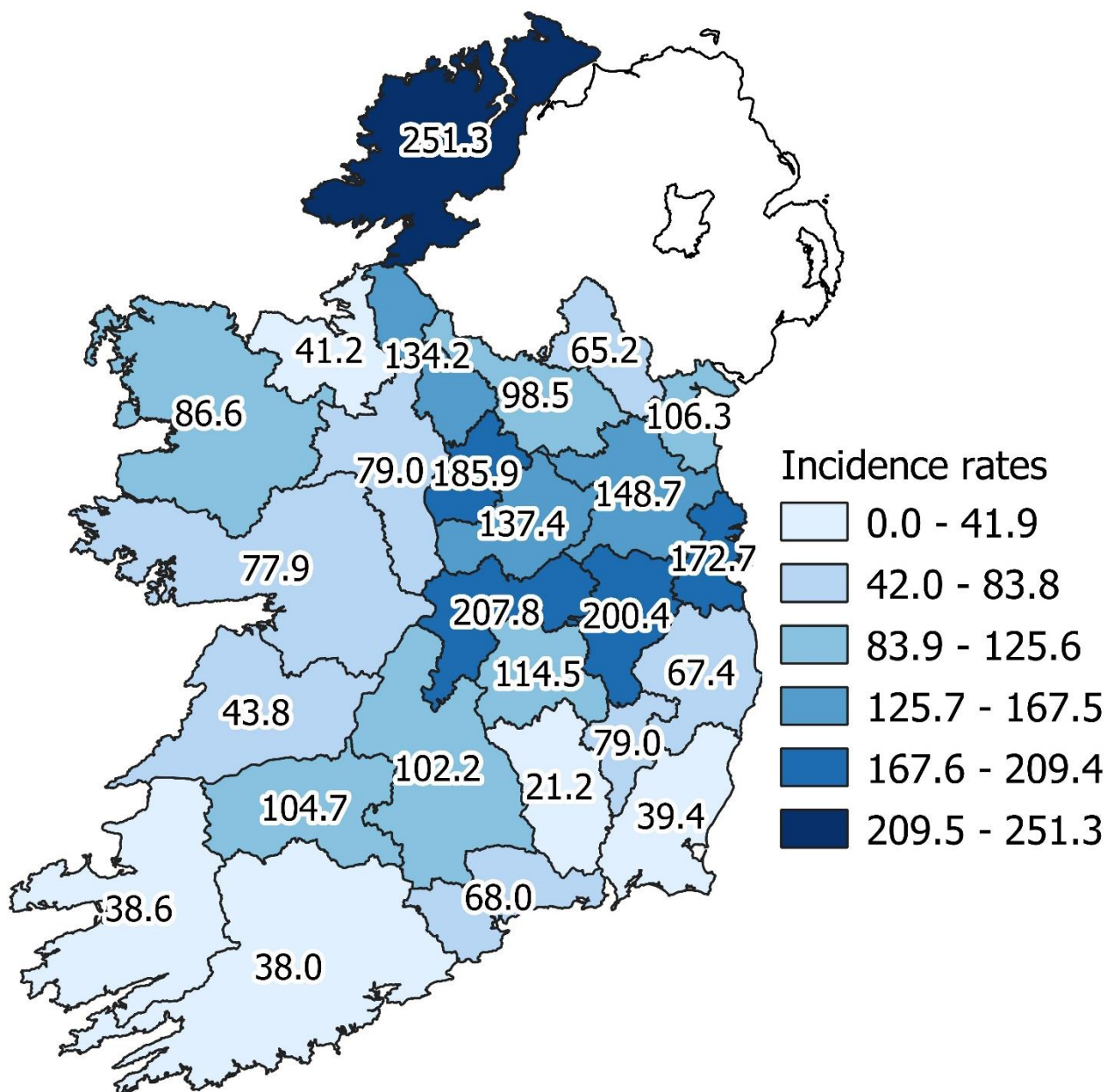
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 09/04/2021 to midnight 22/04/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	585	149.5
CHO2	365	80.6
CHO3	376	97.7
CHO4	263	38.1
CHO5	247	48.4
CHO6	415	108.3
CHO7	1,057	149.4
CHO8	884	142.7
CHO9	1,397	224.8
<b>Total</b>	<b>5,623</b>	<b>118.1</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 09/04/2021 to midnight 22/04/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (18/04/2021-22/04/2021)
Donegal	400	251.3	33
Offaly	162	207.8	11
Kildare	446	200.4	36
Longford	76	185.9	7
Dublin	2,327	172.7	195
Meath	290	148.7	20
Westmeath	122	137.4	10
Leitrim	43	134.2	5
Laois	97	114.5	5
Louth	137	106.3	11
Limerick	204	104.7	16
Tipperary	163	102.2	22
Cavan	75	98.5	5
Mayo	113	86.6	10
Carlow	45	79.0	3
Roscommon	51	79.0	2
Galway	201	77.9	13
Waterford	79	68.0	5
Wicklow	96	67.4	7
Monaghan	40	65.2	1
Clare	52	43.8	3
Sligo	27	41.2	5
Wexford	59	39.4	3
Kerry	57	38.6	2
Cork	206	37.9	18
Kilkenny	21	21.2	1
<b>Total</b>	<b>5,589</b>	<b>117.4</b>	<b>448</b>



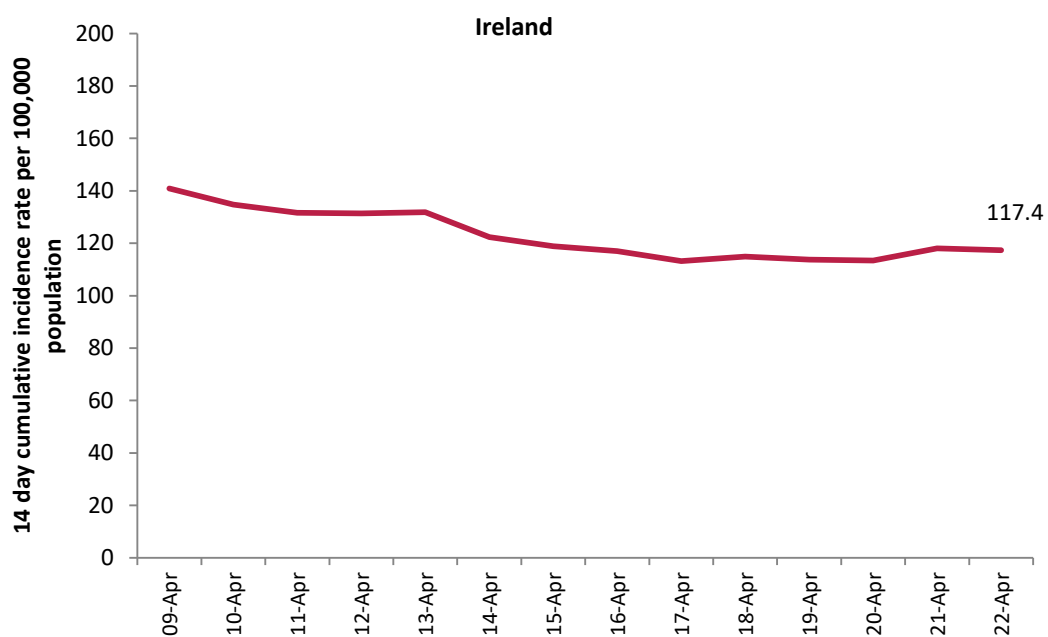
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 09/04/2021 and 22/04/2021**

*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	160	117.6
CCA2	Dublin South East	160	129.3
CCA3	Dublin South City	116	77.4
CCA4	Dublin South West	239	148.5
CCA5	Dublin West	255	164.2
CCA6	Dublin North West	688	331.3
CCA7	Dublin North Central	316	204.4
CCA8	Dublin North	393	151.6
<b>Dublin</b>		<b>2,327</b>	<b>172.7</b>

**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> 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\* (09/04/2021 to 22/04/2021)**

\*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 09/04/2021 to midnight 22/04/2021.**

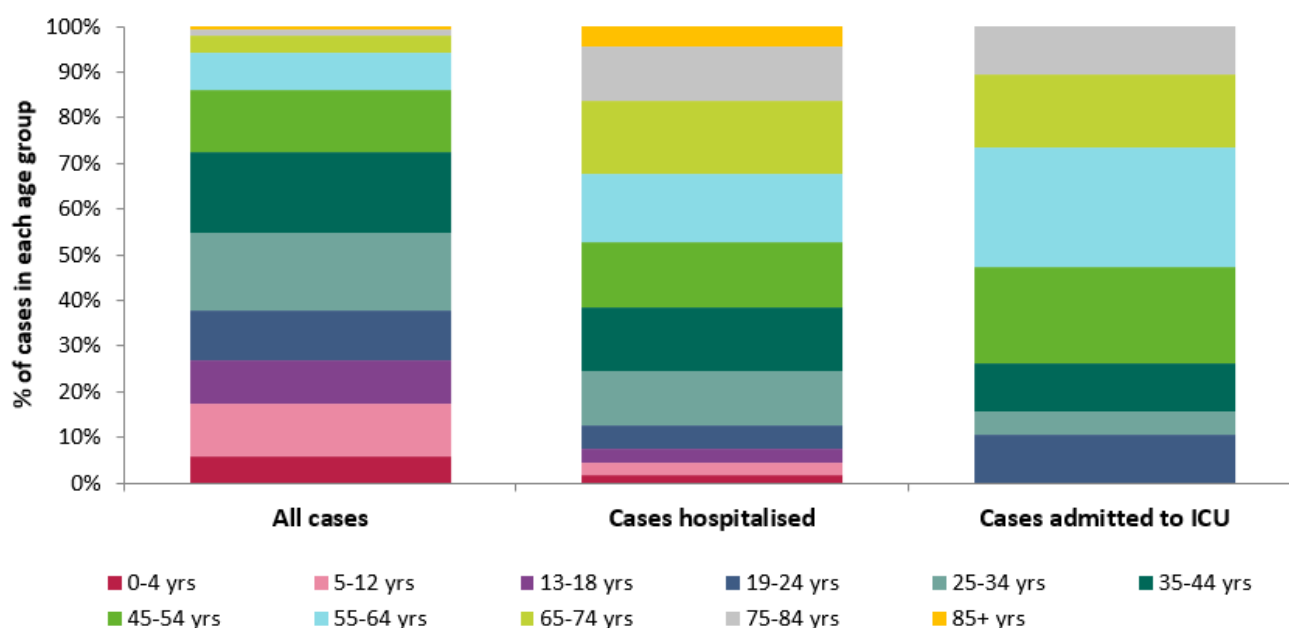
Most likely transmission source	Number of cases	Percent
Travel related^	270	4.83%
Close contact with a known confirmed case	3,087	55.23%
Healthcare setting acquired: patient	79	1.41%
Healthcare setting acquired: staff	29	0.52%
Community transmission	1,012	18.11%
Under investigation	1,112	19.90%
<b>Total</b>	<b>5,589</b>	<b>100.00%</b>

^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 09/04/2021 to midnight 22/04/2021 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^	974	10	4.41	0	0
13-18 yrs	534	7	3.08	0	0
19-24 yrs	596	12	5.29	<5	-
25-34 yrs	960	27	11.89	<5	-
35-44 yrs	997	31	13.66	<5	-
45-54 yrs	747	33	14.54	<5	-
55-64 yrs	465	34	14.98	5	26.32
65-74 yrs	209	36	15.86	<5	-
75-84 yrs	79	27	11.89	<5	-
85+ yrs	28	10	4.41	0	0.00
<b>Total</b>	<b>5,589</b>	<b>227</b>	<b>100</b>	<b>19</b>	<b>100</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 09/04/2021 to midnight 22/04/2021 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 09/04/2021 up to midnight 22/04/2021

	Number	Percent
Total number of deaths	7	
Confirmed	4	57.14
Probable	1	14.29
Possible	2	28.57
Total number of cases hospitalised	4	57.14
Total number of male cases	2	28.57
M:F ratio	0.4	
Median age (years)	81	
Mean age (years)	78	
Age range (years)	62 - 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  $\geq 85$  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.

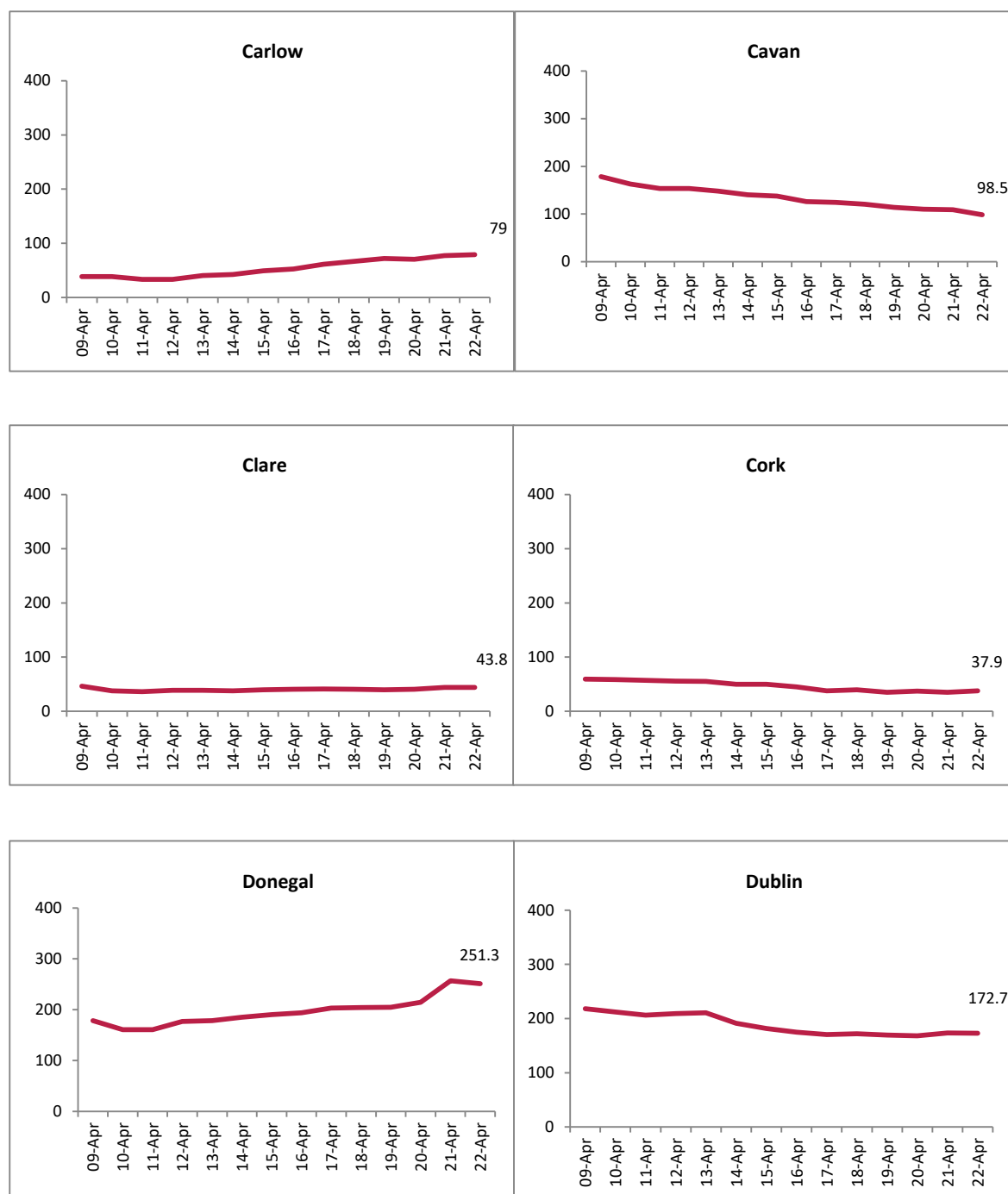
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

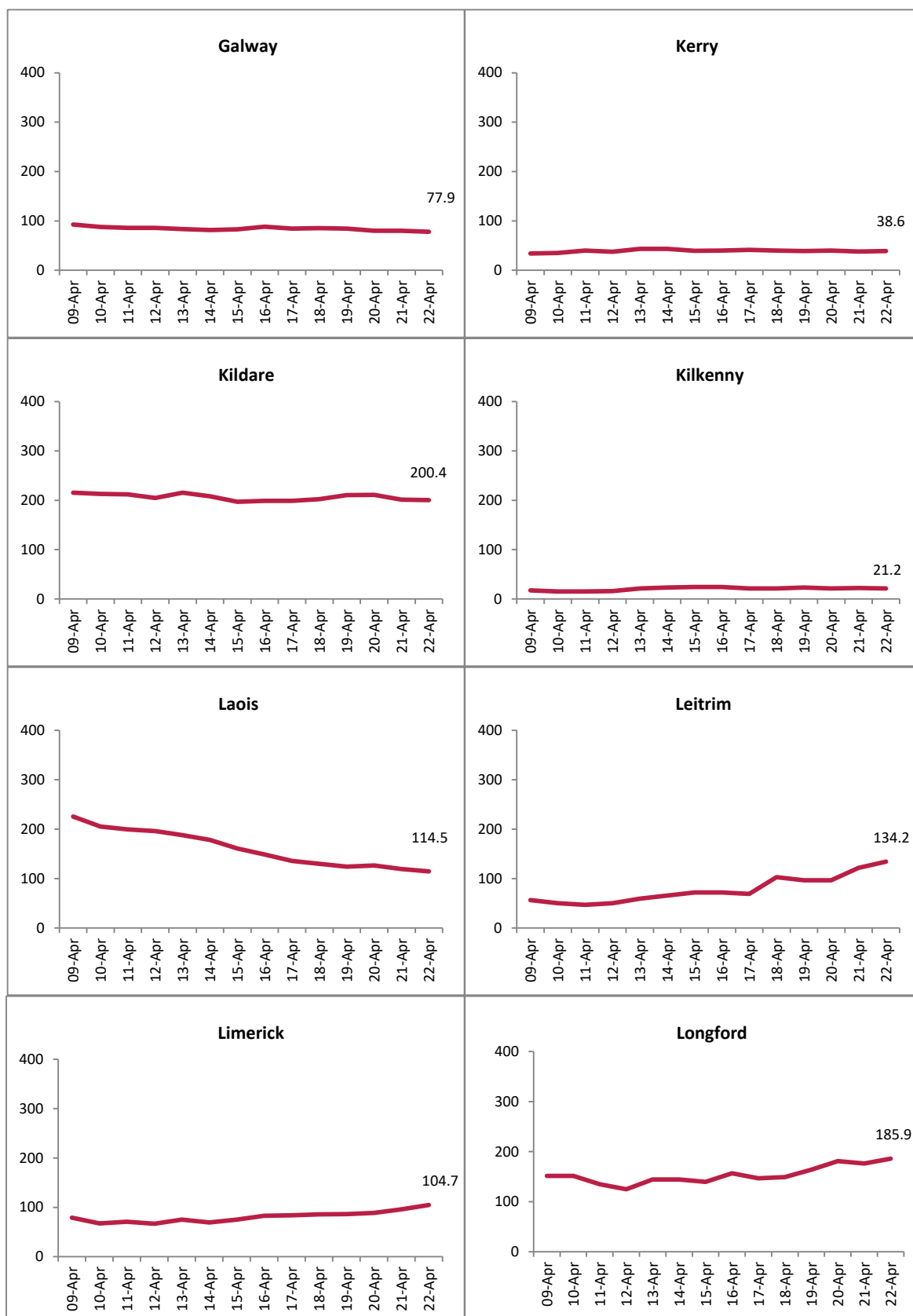
WHO definition of transmission classification is specified below:

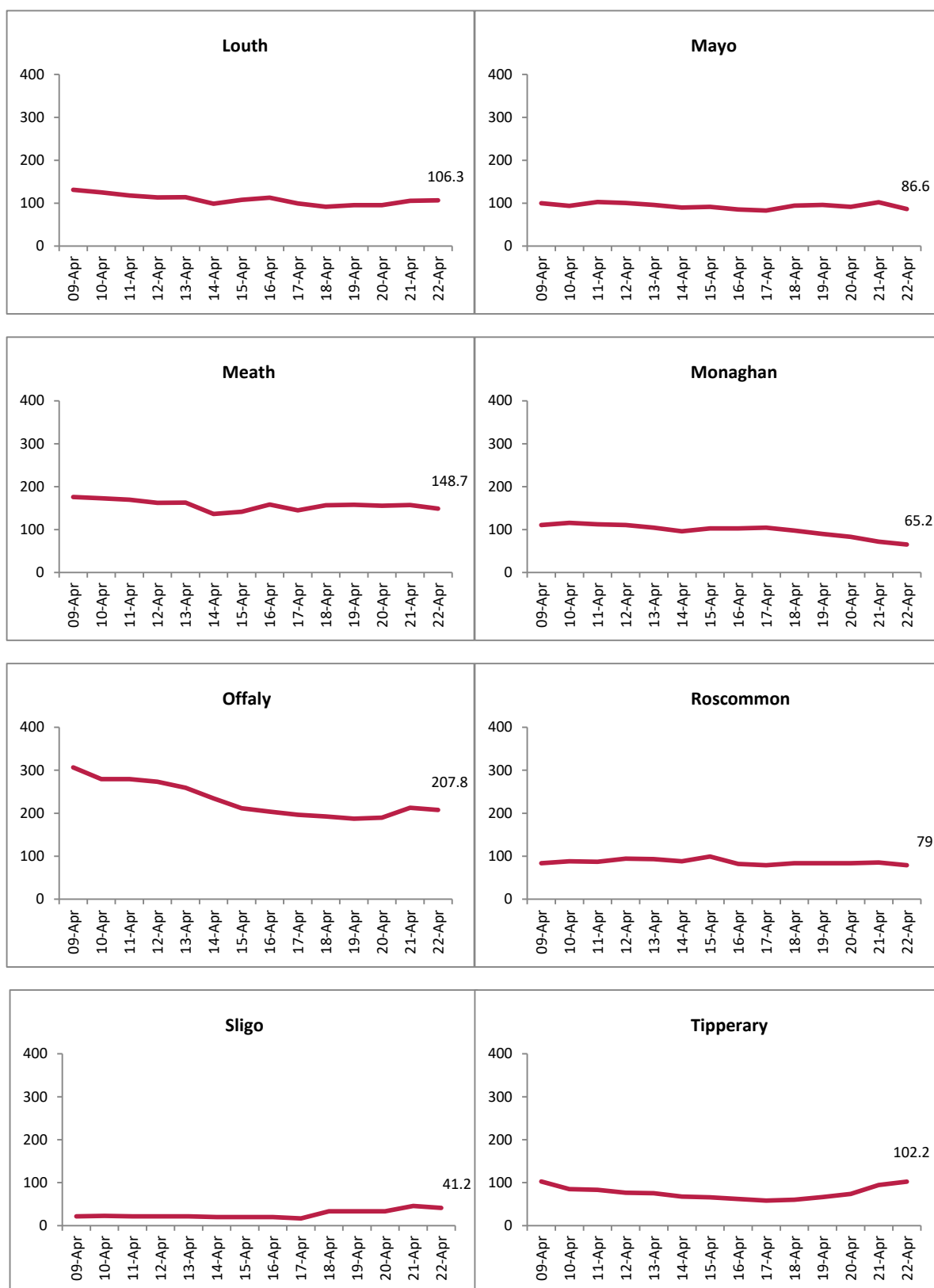
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (09/04/2021 to 22/04/2021)











**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (09/04/2021 to 22/04/2021)**

