



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

Report prepared by HPSC on 26/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 12/04/2021 up to midnight 25/04/2021

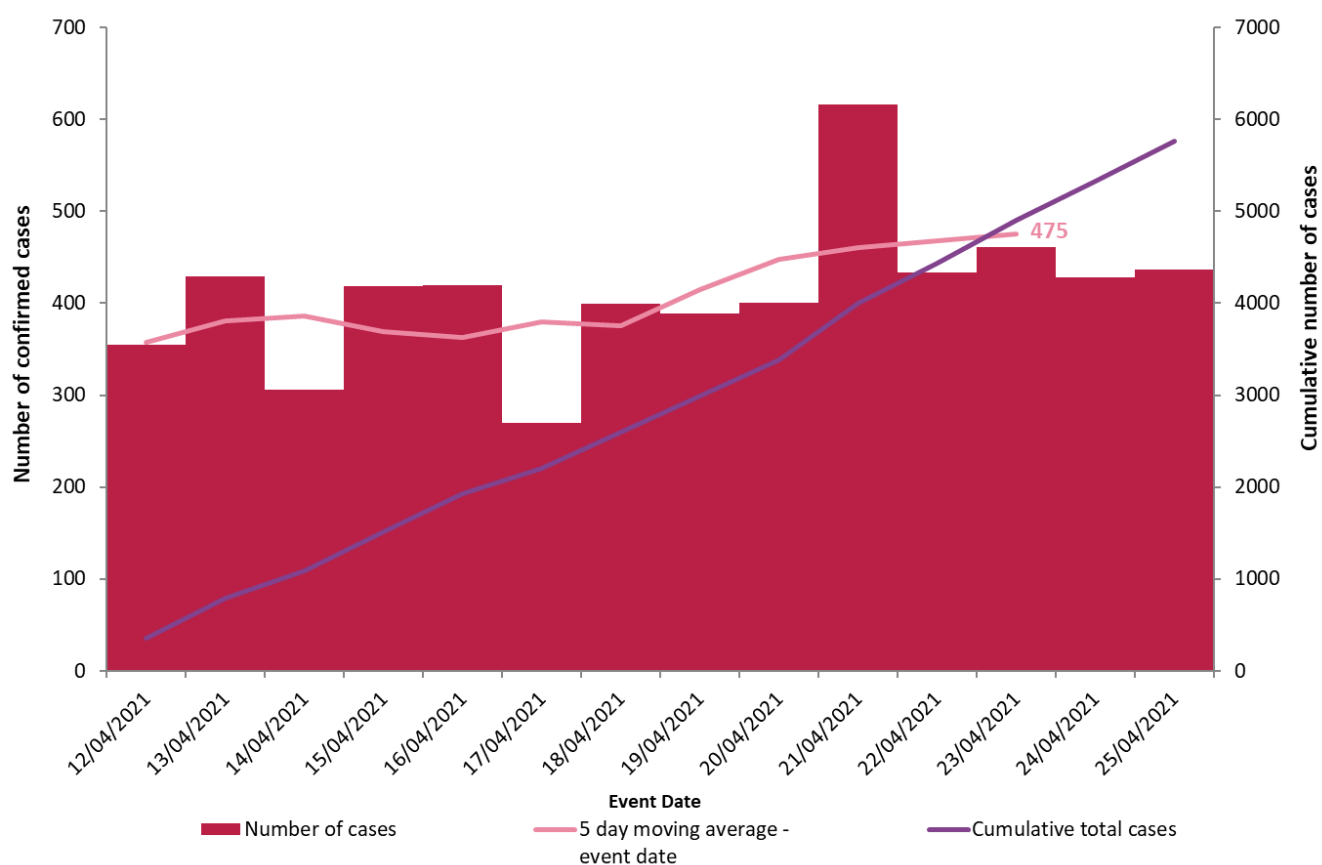
	Number	Percent
Total number of confirmed cases	5,764	
National incidence of confirmed cases per 100,000 population	121.05	
Number of cases hospitalised*	207	3.59
Number of cases admitted to ICU*	14	0.24
Number of deaths among confirmed cases^	3	0.05
Case fatality ratio (CFR, %)	0.05	
National incidence of confirmed deaths per 100,000 population	0.06	
Number of cases** associated with clusters	1,476	25.61
Number of imported cases	56	0.97
Number of cases in healthcare workers	156	2.71
Males	2,965	51.44
Females	2,788	48.37
M:F ratio	1.06	
Median age (years)	31	
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 12/04/2021 - 25/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:50 on 26/04/2021 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=5,764)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 12/04/2021 up to midnight on 25/04/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>5,764</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.06	
	Male	2,965	51.44
	Female	2,788	48.37
	Unknown	11	0.19
<b>Age</b>	Median age (years)	31	
	Mean age (years)	32	
	Age range (years)	0 - 94	
	0-4 yrs	345	5.99
	5-12 yrs	668	11.59
	13-18 yrs	611	10.6
	19-24 yrs	594	10.31
	25-34 yrs	995	17.26
	35-44 yrs	985	17.09
	45-54 yrs	803	13.93
	55-64 yrs	451	7.82
	65-74 yrs	213	3.7
	75-84 yrs	72	1.25
	85+ yrs	27	0.47
<b>Symptom status at time of test*</b>	Yes	2,982	51.73
	No	1,301	22.57
	Unknown	1,481	25.69

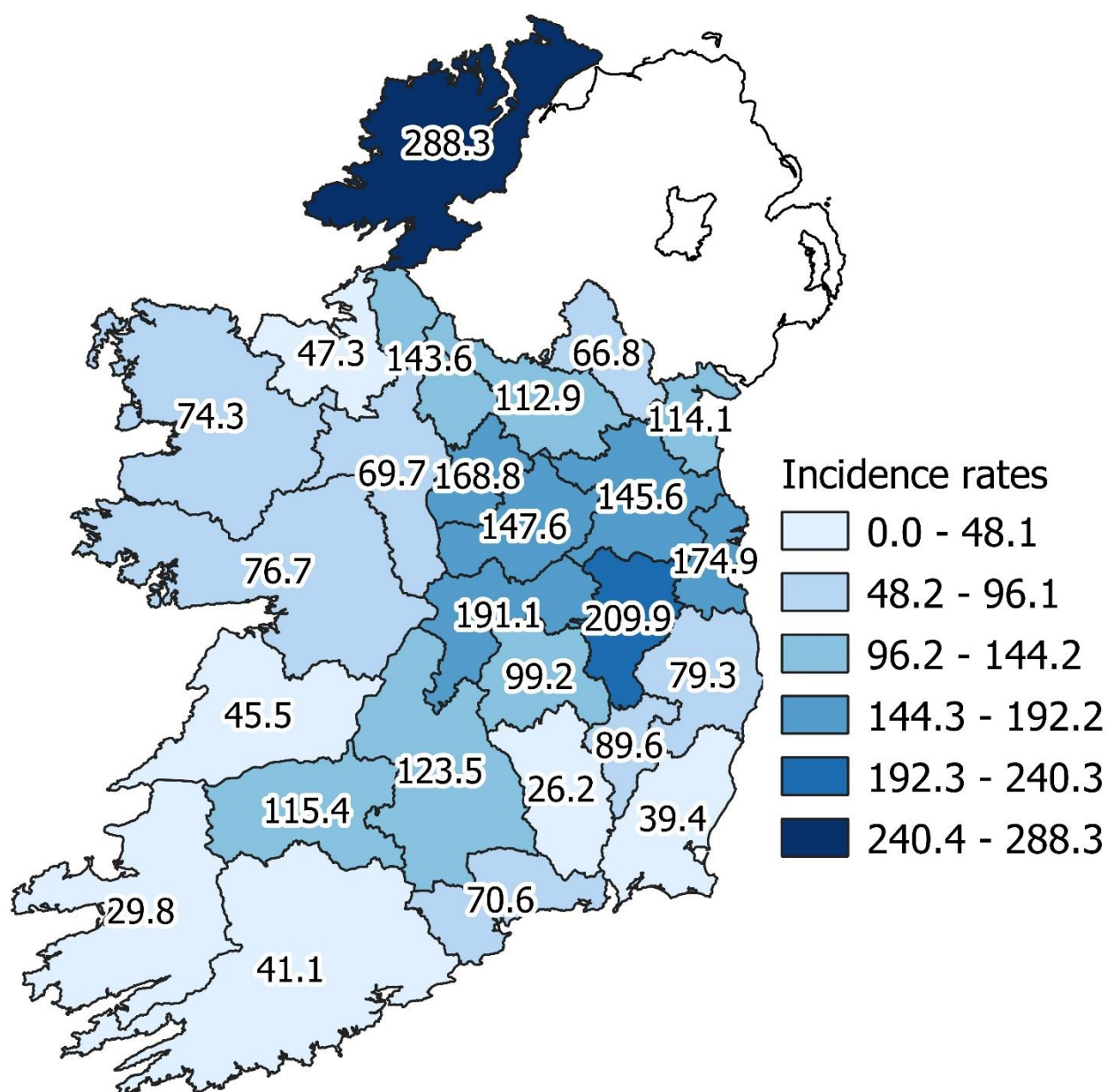
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 12/04/2021 to midnight 25/04/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	663	169.4
CHO2	340	75.0
CHO3	427	110.9
CHO4	267	38.7
CHO5	267	52.3
CHO6	411	107.3
CHO7	1,121	158.4
CHO8	864	139.5
CHO9	1,402	225.6
Unknown	2	
<b>Total</b>	<b>5,764</b>	<b>121.0</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 12/04/2021 to midnight 25/04/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (21/04/2021-25/04/2021)
Donegal	459	288.3	42
Kildare	467	209.9	37
Offaly	149	191.1	13
Dublin	2,356	174.9	198
Longford	69	168.8	4
Westmeath	131	147.6	12
Meath	284	145.6	17
Leitrim	46	143.6	4
Tipperary	197	123.5	21
Limerick	225	115.4	20
Louth	147	114.1	11
Cavan	86	112.9	7
Laois	84	99.2	5
Carlow	51	89.6	3
Wicklow	113	79.3	10
Galway	198	76.7	16
Mayo	97	74.3	7
Waterford	82	70.6	7
Roscommon	45	69.7	2
Monaghan	41	66.8	3
Sligo	31	47.3	3
Clare	54	45.4	4
Cork	223	41.1	22
Wexford	59	39.4	3
Kerry	44	29.8	2
Kilkenny	26	26.2	2
<b>Total</b>	<b>5,764</b>	<b>121.0</b>	<b>475</b>



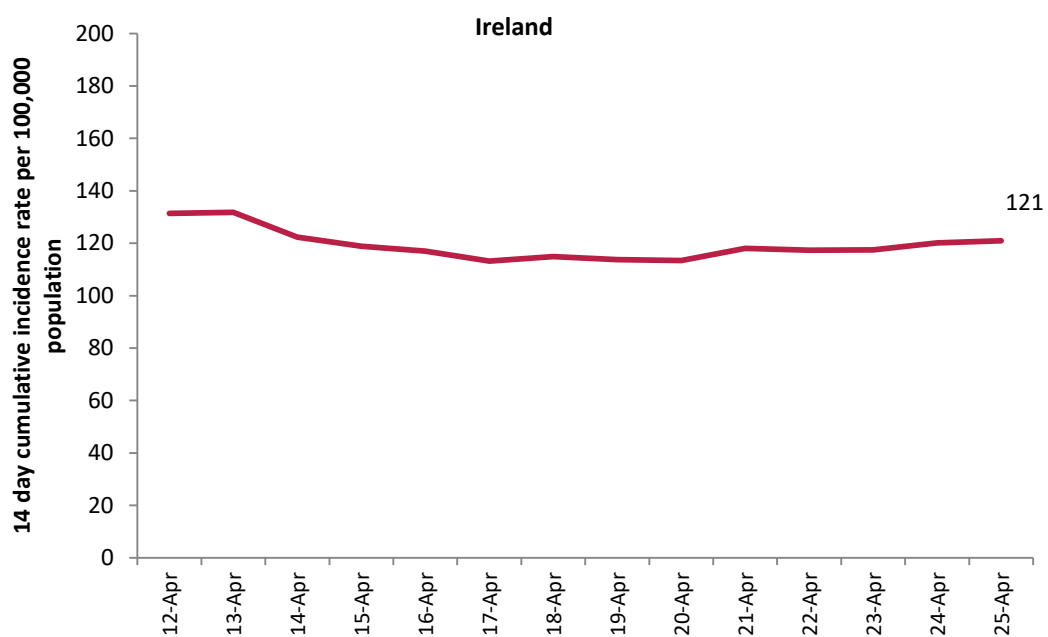
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 12/04/2021 and 25/04/2021**

*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 12/04/2021 and 25/04/2021**

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	132	88.0
CCA4	Dublin South West	263	163.5
CCA5	Dublin West	258	166.1
CCA6	Dublin North West	688	331.3
CCA7	Dublin North Central	330	213.5
CCA8	Dublin North	384	148.2
	Unknown	2	
	<b>Dublin</b>	<b>2,356</b>	<b>174.9</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\* (12/04/2021 to 25/04/2021)**

\*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

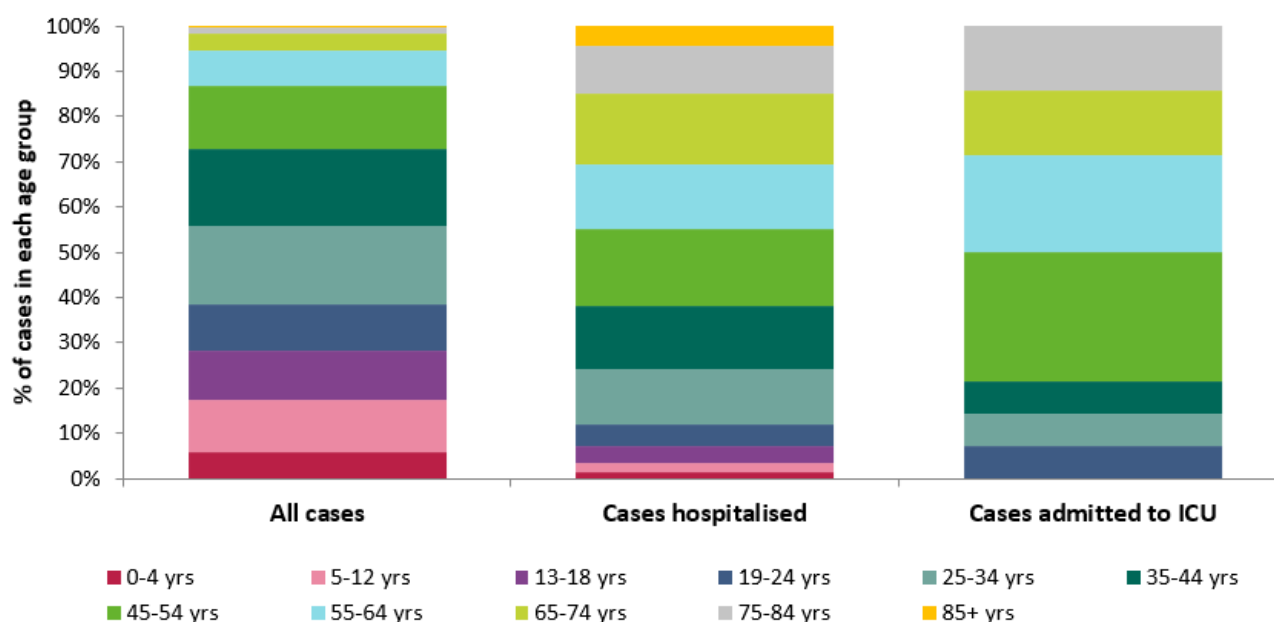
**Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 12/04/2021 to midnight 25/04/2021.**

Most likely transmission source	Number of cases	Percent
Travel related^	240	4.16%
Close contact with a known confirmed case	3,284	56.97%
Healthcare setting acquired: patient	74	1.28%
Healthcare setting acquired: staff	32	0.56%
Community transmission	1,014	17.59%
Under investigation	1,120	19.43%
<b>Total</b>	<b>5764</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 12/04/2021 to midnight 25/04/2021 by age group, hospitalisation and ICU admission\*.**

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-12 yrs	1,013	7	3.38	0
13-18 yrs	611	8	3.86	0
19-24 yrs	594	10	4.83	<5
25-34 yrs	995	25	12.08	<5
35-44 yrs	985	29	14.01	<5
45-54 yrs	803	35	16.91	<5
55-64 yrs	451	30	14.49	<5
65-74 yrs	213	32	15.46	<5
75-84 yrs	72	22	10.63	<5
85+ yrs	27	9	4.35	0
<b>Total</b>	<b>5,764</b>	<b>207</b>	<b>100</b>	<b>14</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 12/04/2021 to midnight 25/04/2021 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<sup>^</sup> in all COVID-19 cases notified in Ireland from 12/04/2021 up to midnight 25/04/2021**

	Number	Percent
Total number of deaths	6	
Confirmed	3	50
Probable	1	16.67
Possible	2	33.33
Total number of cases hospitalised	2	33.33
Total number of male cases	2	33.33
M:F ratio	0.5	
Median age (years)	82.5	
Mean age (years)	81	
Age range (years)	62 - 92	

<sup>^</sup> 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  $\geq 85$  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.

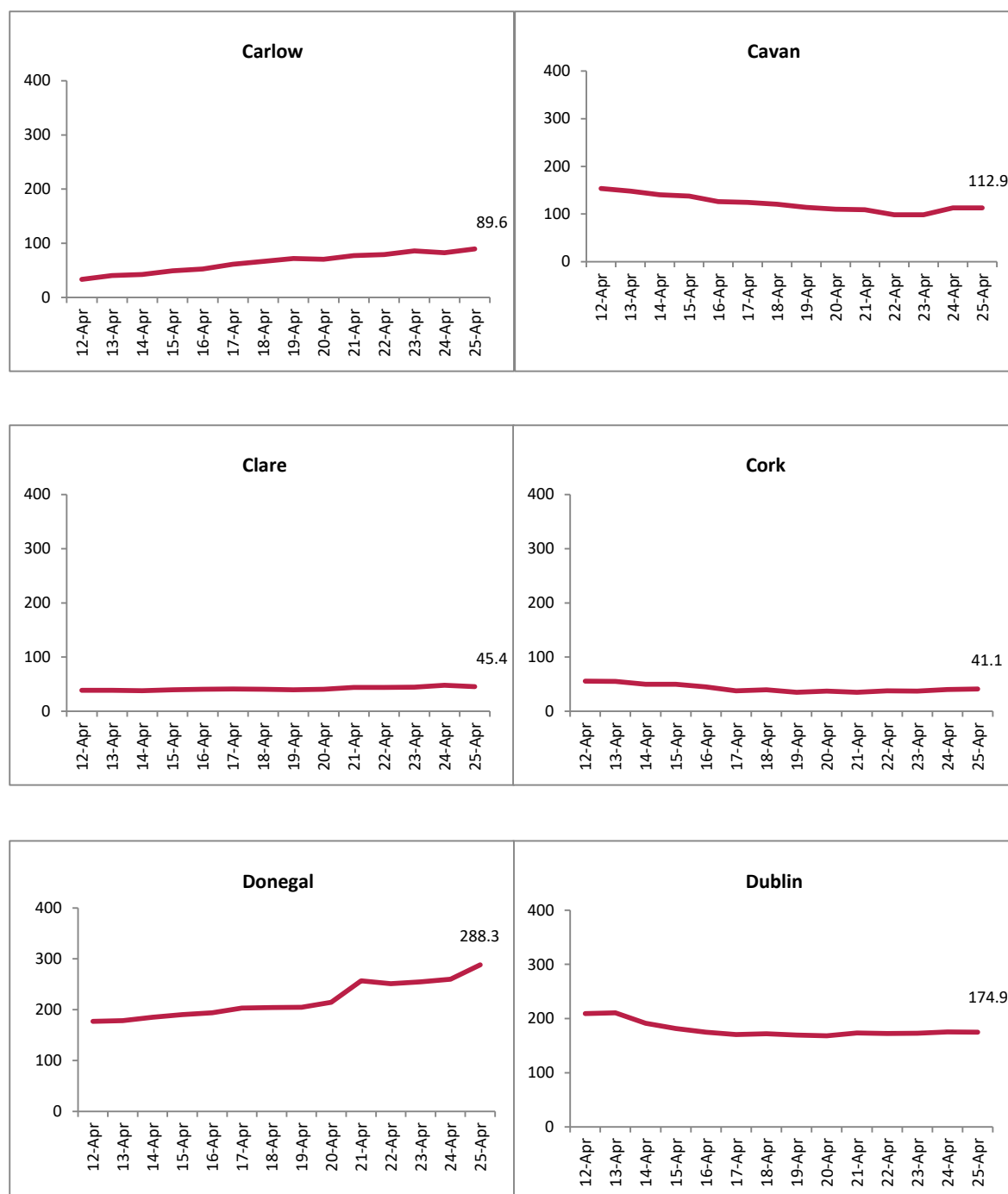
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

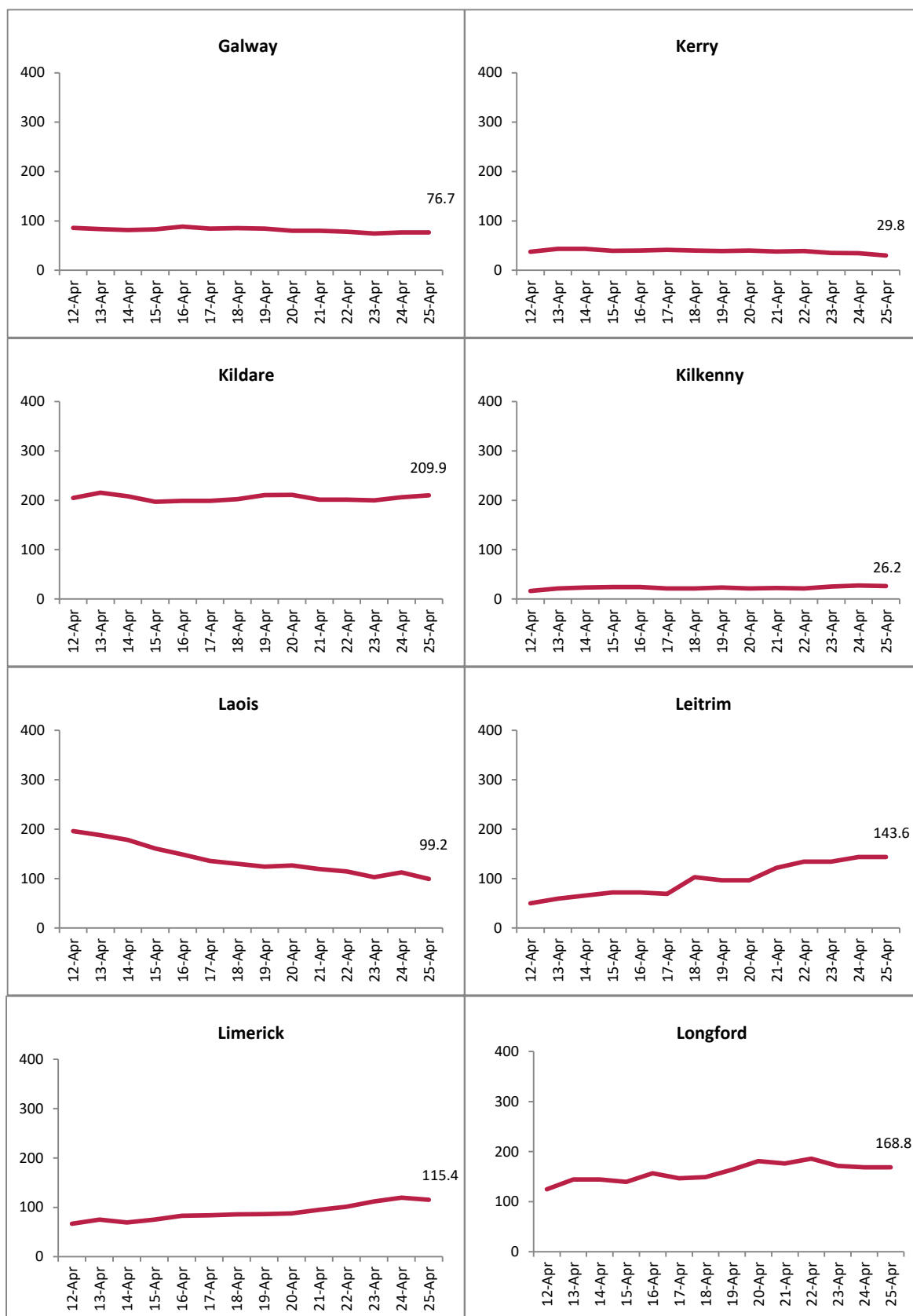
WHO definition of transmission classification is specified below:

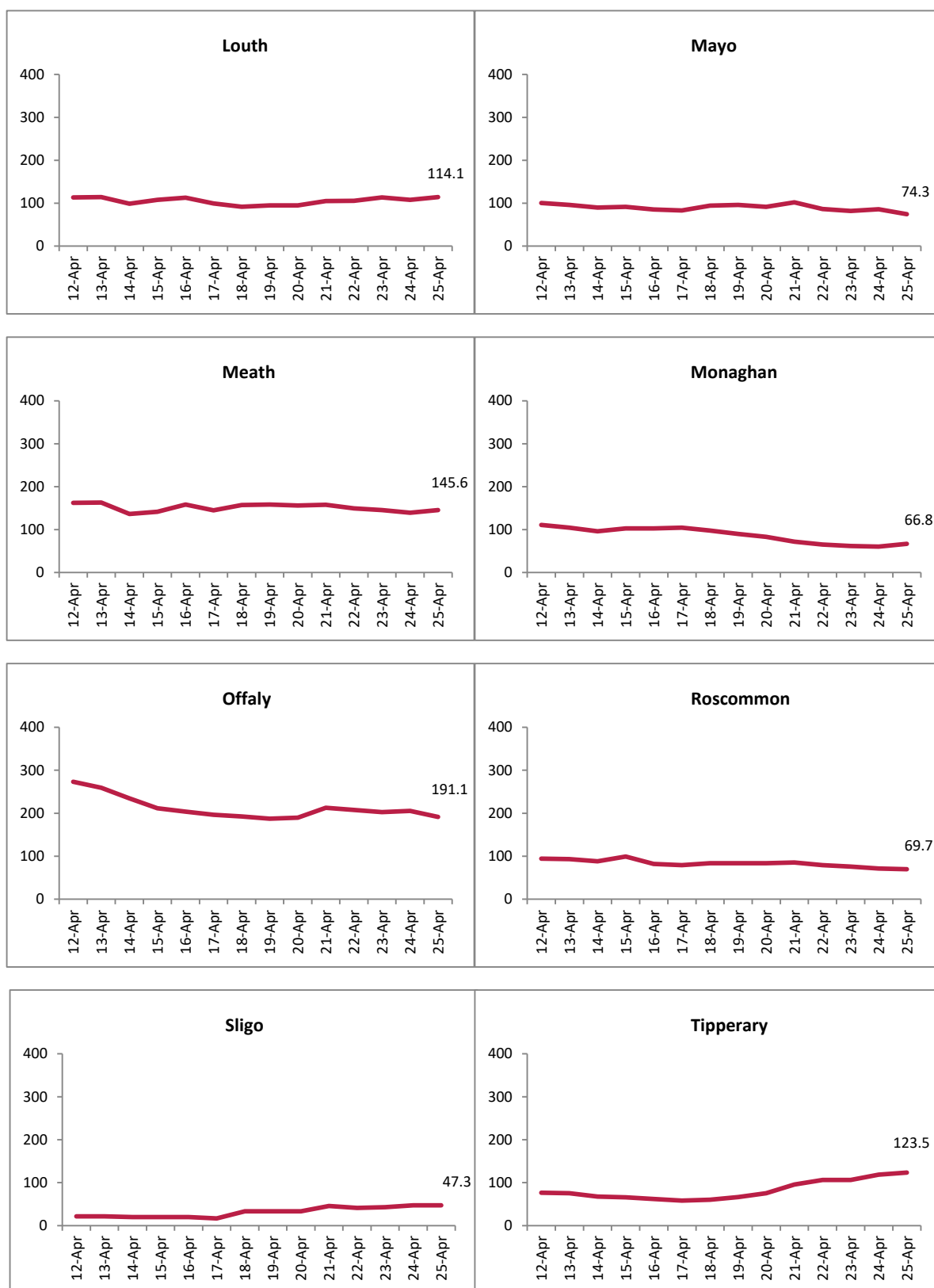
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

## Appendix 4

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (12/04/2021 to 25/04/2021)









**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (12/04/2021 to 25/04/2021)**

