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## Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 09/04/2021

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

Report prepared by HPSC on 09/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/03/2021 up to midnight 08/04/2021

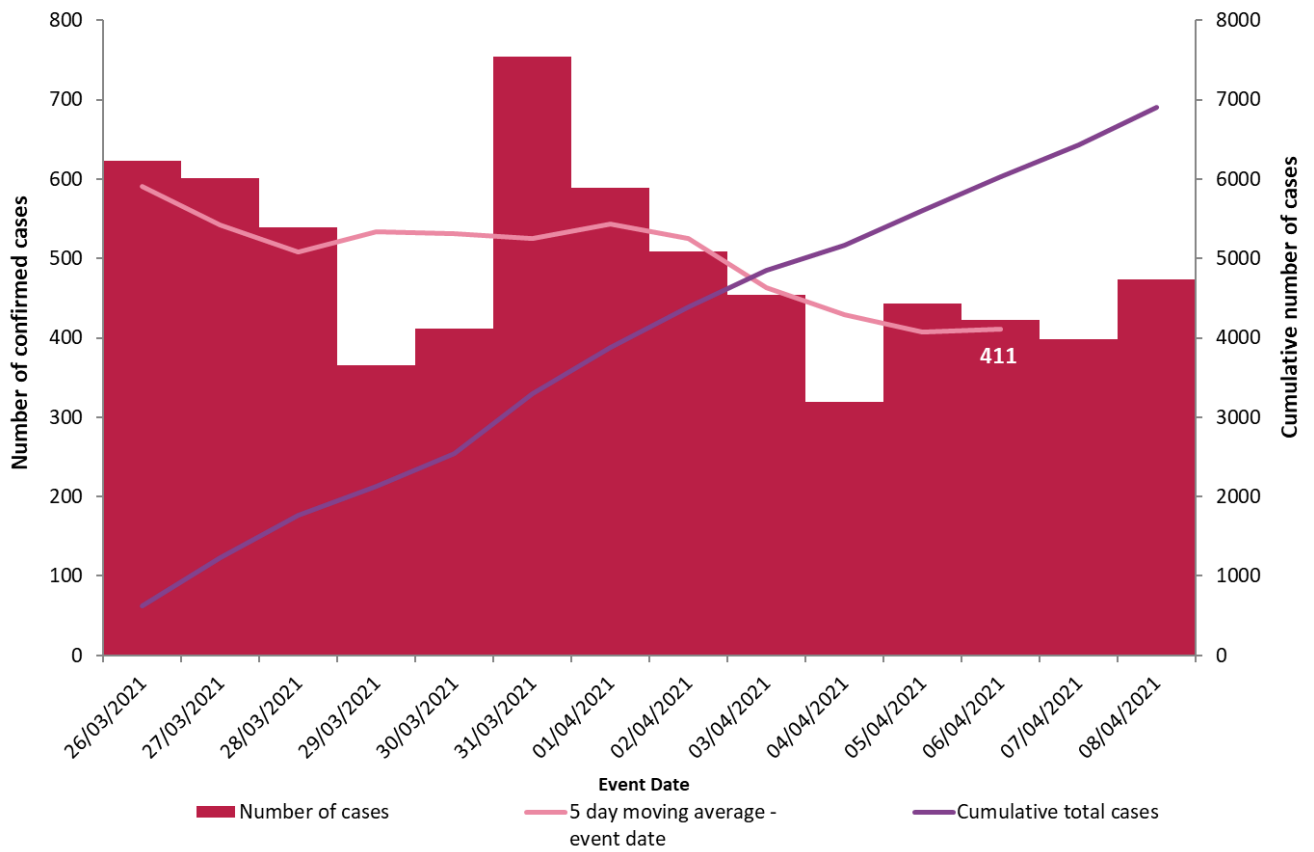
	Number	Percent
Total number of confirmed cases	6,901	
National incidence of confirmed cases per 100,000 population	144.92	
Number of cases hospitalised*	240	3.48
Number of cases admitted to ICU*	14	0.2
Number of deaths among confirmed cases	5	0.07
Case fatality ratio (CFR, %)	0.07	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,640	23.76
Number of imported cases	26	0.38
Number of cases in healthcare workers	134	1.94
Males	3,505	50.79
Females	3,383	49.02
M:F ratio	1.04	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 97	

\* 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 26/03/2021 - 08/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:42 on 09/04/2021 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=6,901)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/03/2021 up to midnight on 08/04/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>6,901</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.04	
	Male	3,505	50.79
	Female	3,383	49.02
	Unknown	13	0.19
<b>Age</b>	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 97	
	0-4 yrs	501	7.26
	5-12 yrs	960	13.91
	13-18 yrs	530	7.68
	19-24 yrs	728	10.55
	25-34 yrs	1,080	15.65
	35-44 yrs	1,267	18.36
	45-54 yrs	852	12.35
	55-64 yrs	539	7.81
	65-74 yrs	269	3.9
	75-84 yrs	128	1.85
	85+ yrs	47	0.68
<b>Symptom status at time of test*</b>	Yes	3,257	47.2
	No	1,455	21.08
	Unknown	2,189	31.72

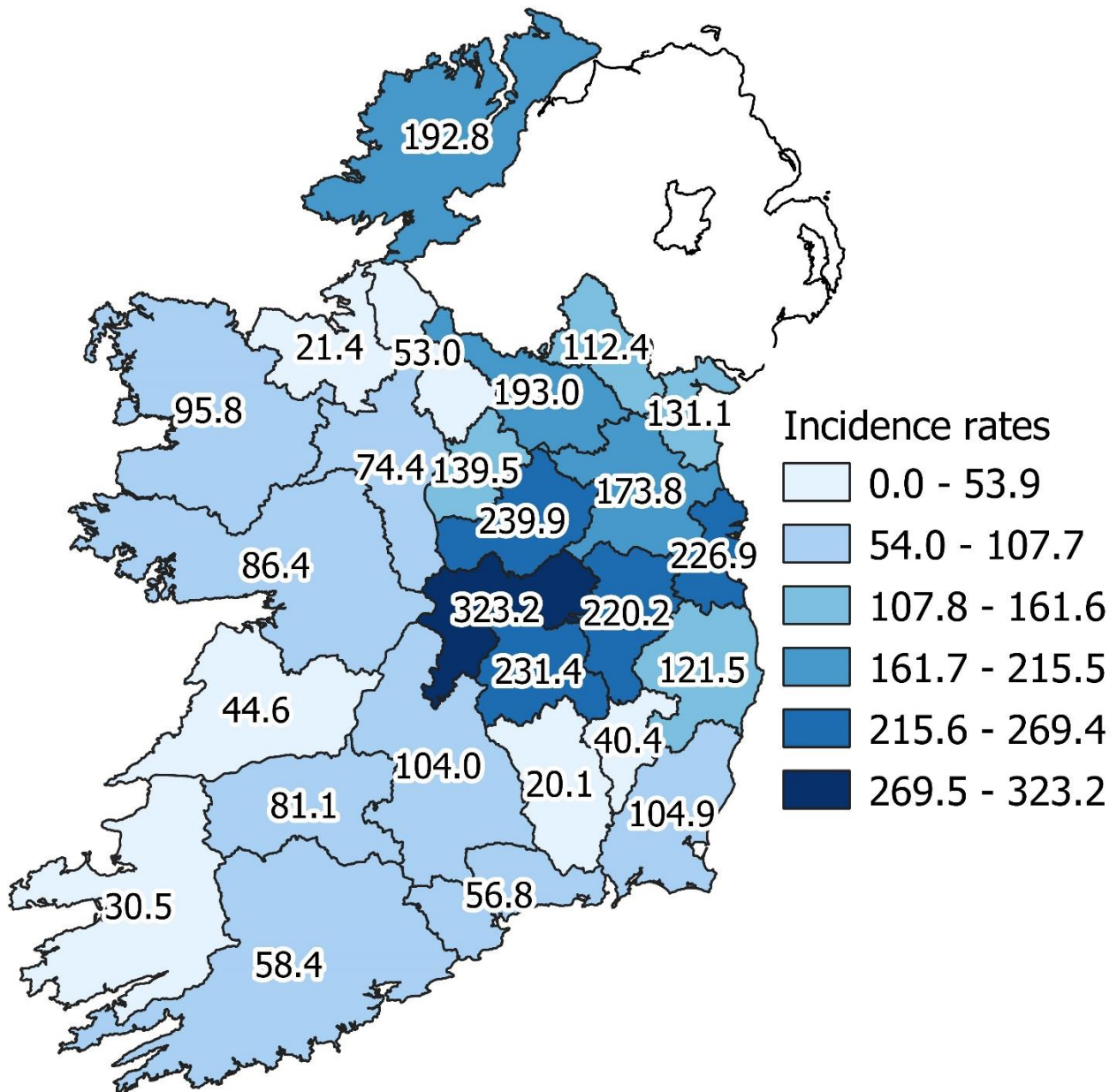
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 26/03/2021 to midnight 08/04/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	554	141.6
CHO2	396	87.4
CHO3	323	83.9
CHO4	362	52.4
CHO5	320	62.7
CHO6	449	117.2
CHO7	1,387	196.0
CHO8	1,226	198.0
CHO9	1,882	302.9
Unknown	2	
<b>Total</b>	<b>6,901</b>	<b>144.9</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 26/03/2021 to midnight 08/04/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (04/04/2021-08/04/2021)
Offaly	252	323.2	10
Westmeath	213	239.9	10
Laois	196	231.4	9
Dublin	3,057	226.9	190
Kildare	490	220.2	35
Cavan	147	193.0	9
Donegal	307	192.8	18
Meath	339	173.8	18
Longford	57	139.5	3
Louth	169	131.1	10
Wicklow	173	121.5	10
Monaghan	69	112.4	6
Wexford	157	104.9	8
Tipperary	166	104.0	8
Mayo	125	95.8	8
Galway	223	86.4	17
Limerick	158	81.1	8
Roscommon	48	74.4	2
Cork	317	58.4	18
Waterford	66	56.8	5
Leitrim	17	53.1	0
Clare	53	44.6	2
Carlow	23	40.4	1
Kerry	45	30.5	3
Sligo	14	21.4	1
Kilkenny	20	20.2	1
<b>Total</b>	<b>6,901</b>	<b>144.9</b>	<b>411</b>



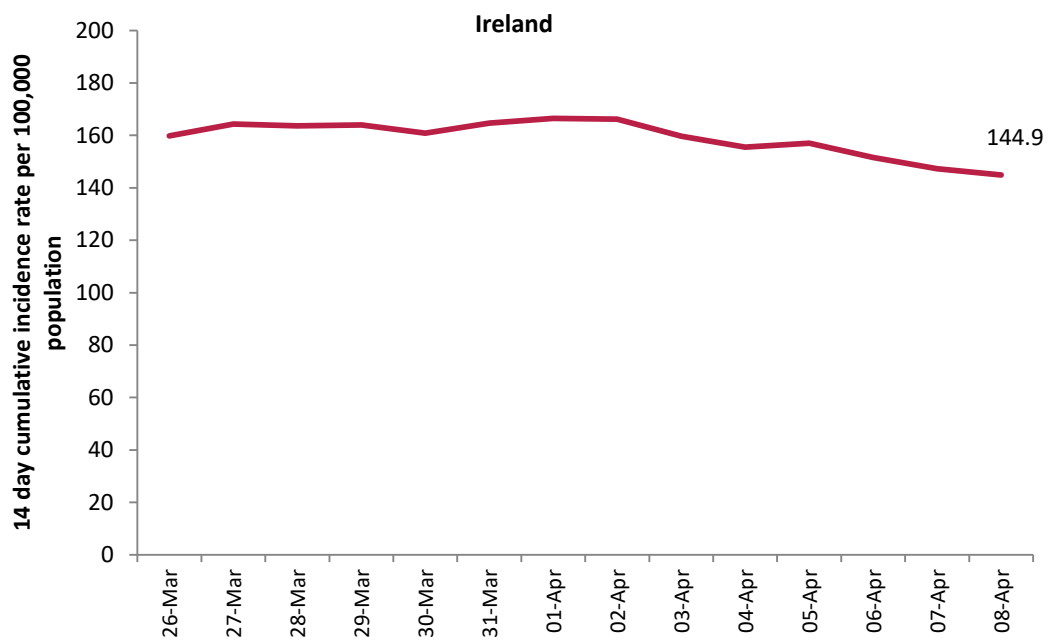
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/03/2021 and 08/04/2021**

*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 26/03/2021 and 08/04/2021**

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	103	75.7
CCA2	Dublin South East	177	143.1
CCA3	Dublin South City	204	136.1
CCA4	Dublin South West	345	214.4
CCA5	Dublin West	344	221.4
CCA6	Dublin North West	726	349.6
CCA7	Dublin North Central	454	293.7
CCA8	Dublin North	702	270.9
	Unknown	2	
	<b>Dublin</b>	<b>3,057</b>	<b>226.9</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\* (26/03/2021 to 08/04/2021)**

\*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 26/03/2021 to midnight 08/04/2021.**

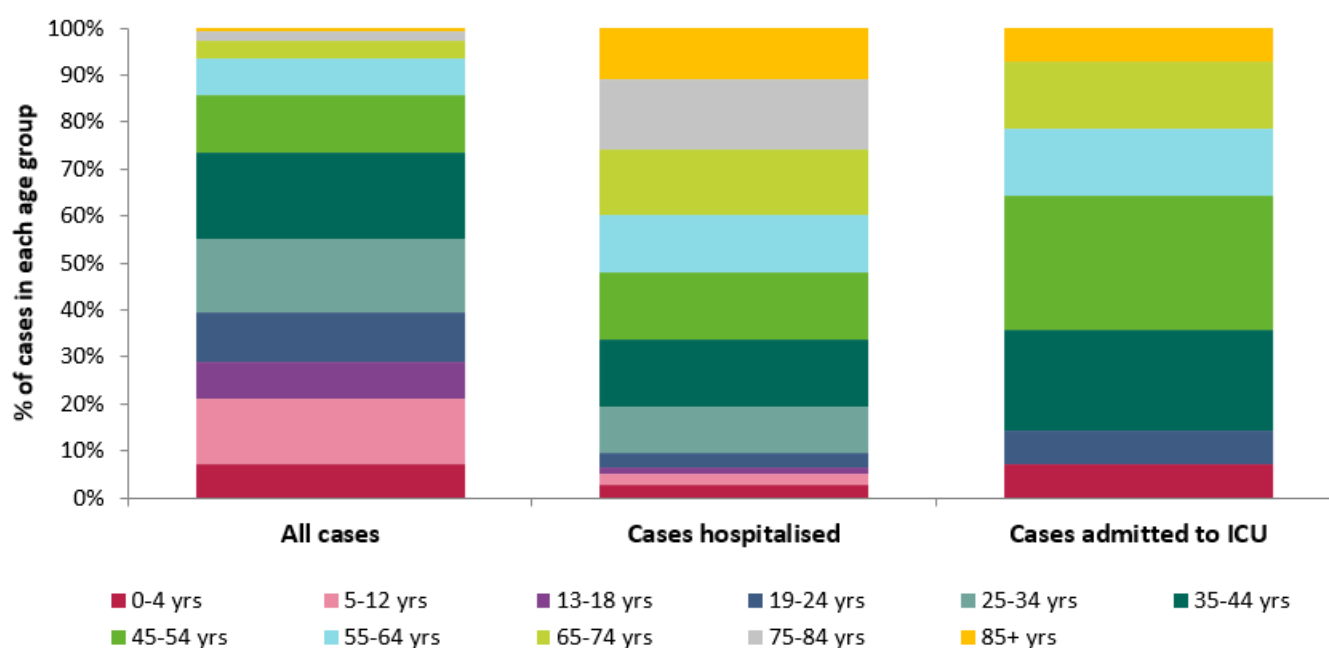
<b>Most likely transmission source</b>	<b>Number of cases</b>	<b>Percent</b>
Travel related^	95	1.38%
Close contact with a known confirmed case	2,203	31.92%
Healthcare setting acquired: patient	75	1.09%
Healthcare setting acquired: staff	24	0.35%
Community transmission	1,232	17.85%
Under investigation	3,272	47.41%
<b>Total</b>	<b>6,901</b>	<b>100.00%</b>

\* Please note there is currently a delay in updating most likely transmission source data due to recent changes made to the HSE CovidCare Tracker.

^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 26/03/2021 to midnight 08/04/2021 by age group, hospitalisation and ICU admission\***

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-4 yrs	501	7	2.92	<5
5-12 yrs	960	5	2.08	0
13-24 yrs <sup>^</sup>	1258	11	5.00	<5
25-34 yrs	1080	24	10.00	0
35-44 yrs	1267	34	14.17	<5
45-54 yrs	852	34	14.17	<5
55-64 yrs	539	30	12.50	<5
65-74 yrs	269	33	13.75	<5
75-84 yrs	128	36	15.00	0
85+ yrs	47	26	10.83	<5
<b>Total</b>	<b>6,901</b>	<b>240</b>	<b>100</b>	<b>14</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 26/03/2021 to midnight 08/04/2021 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.

<sup>^</sup> 13-18 yrs and 19-24 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 26/03/2021 up to midnight 08/04/2021

	Number	Percent
Total number of deaths	5	
	Confirmed	5
		100
M:F ratio	0.67	
Median age (years)	66	
Mean age (years)	67	
Age range (years)	59 - 80	

Table 8: Number of deaths\* in all COVID-19 cases by sex and age group notified in Ireland from 26/03/2021 up to midnight 08/04/2021

Age group (years)	Female	Male	Total	Percent
>55 yrs	^	^	5	100
<b>Total</b>	^	^	<b>5</b>	<b>100</b>

\* 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.

^ One or both values <5

## **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.

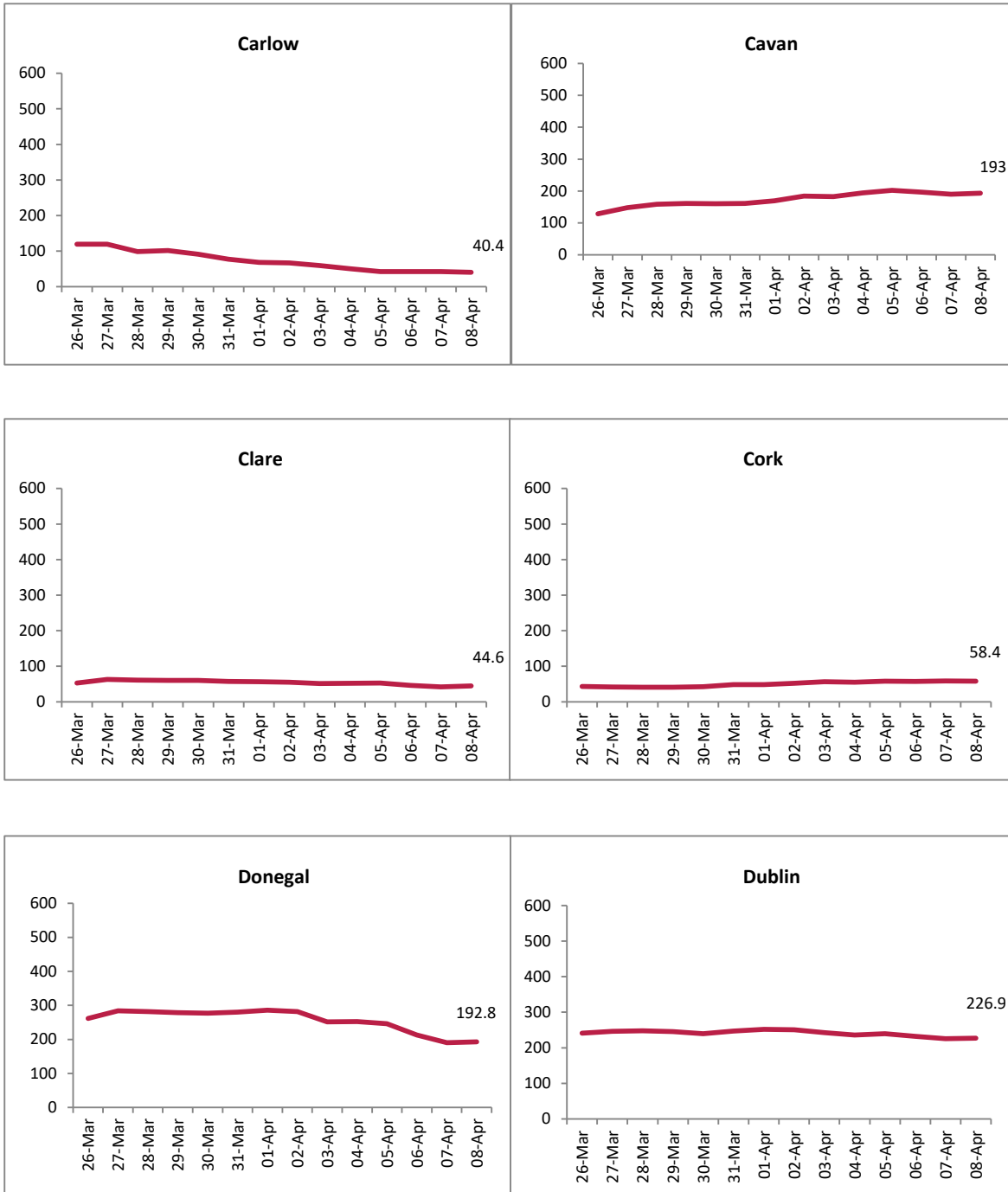
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

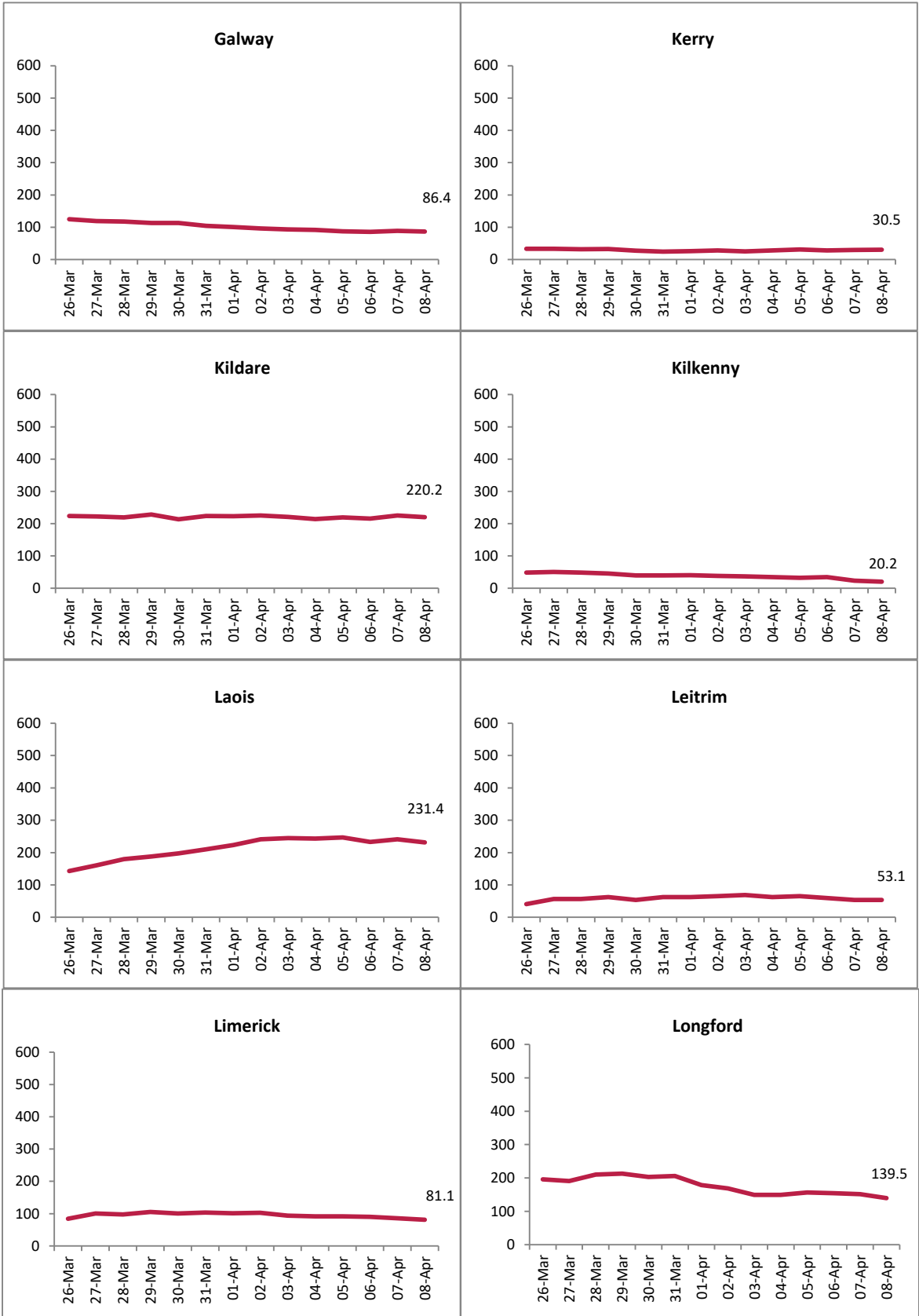
WHO definition of transmission classification is specified below:

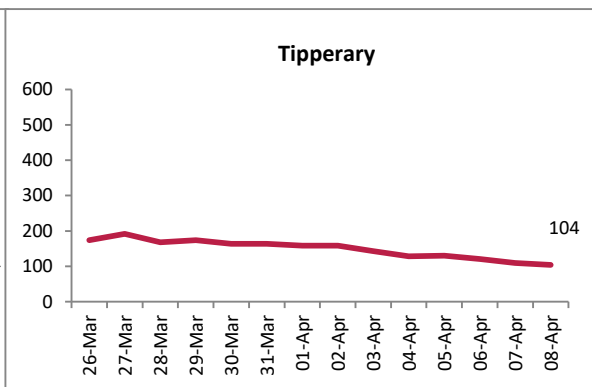
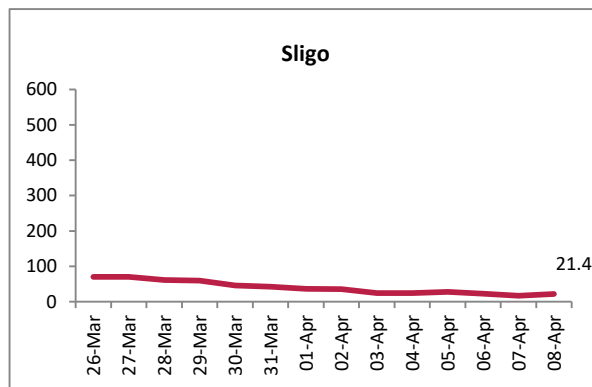
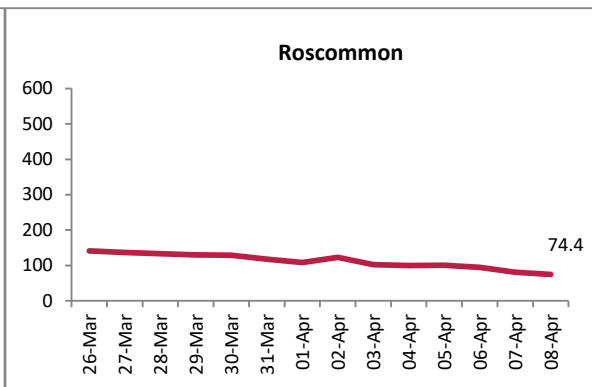
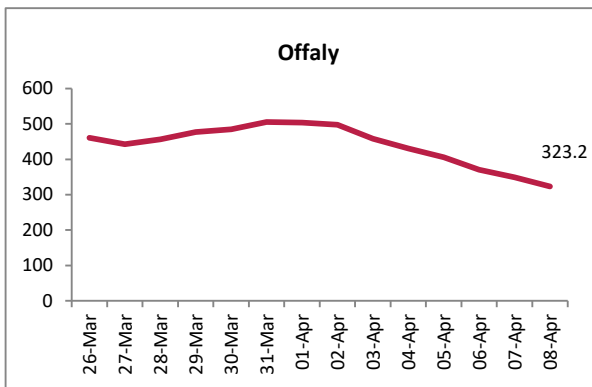
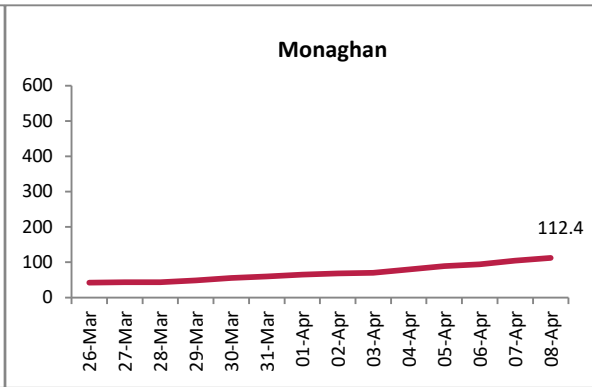
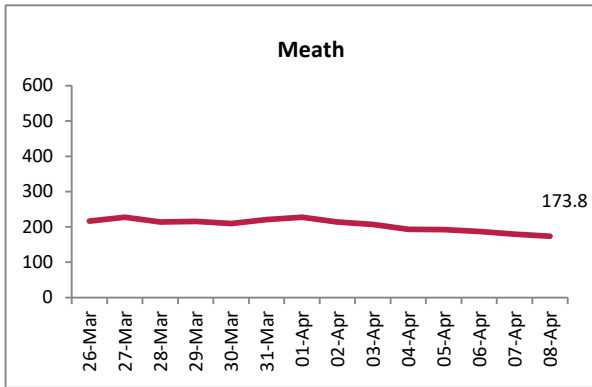
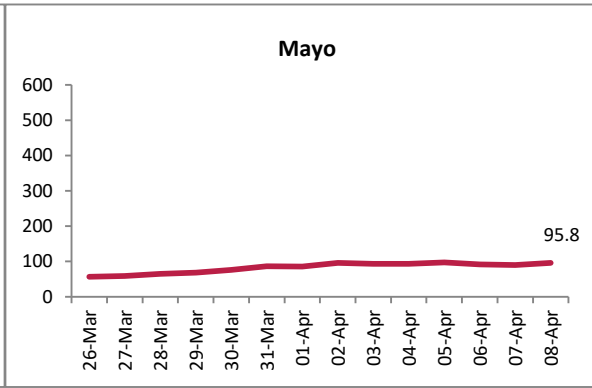
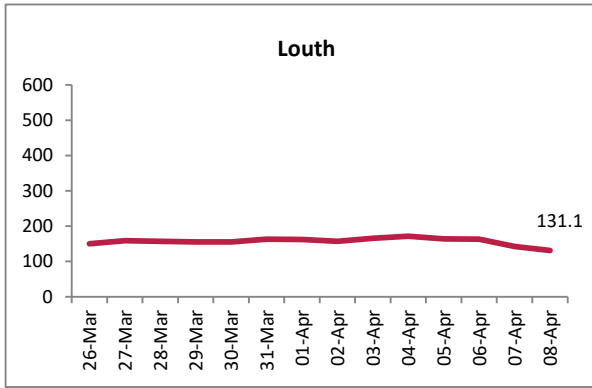
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (26/03/2021 to 08/04/2021)







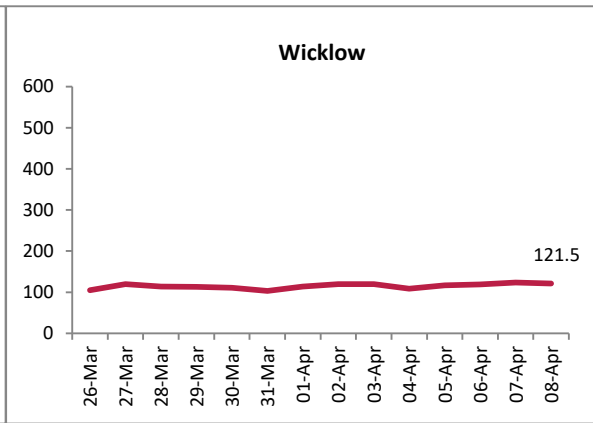
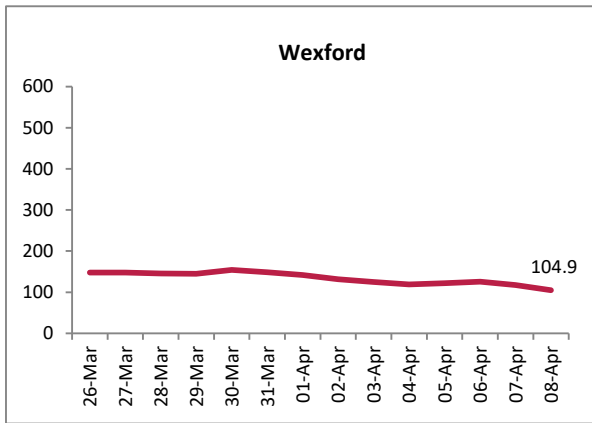
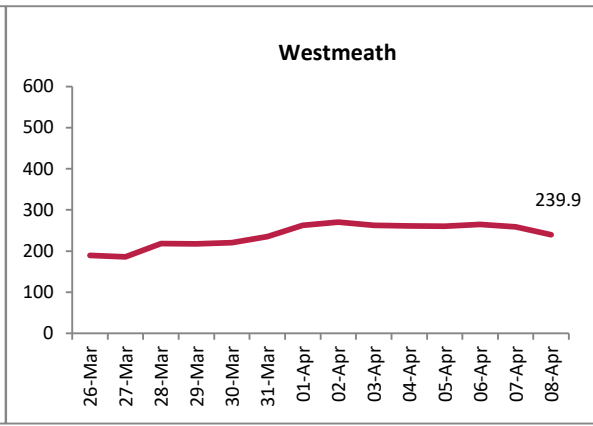
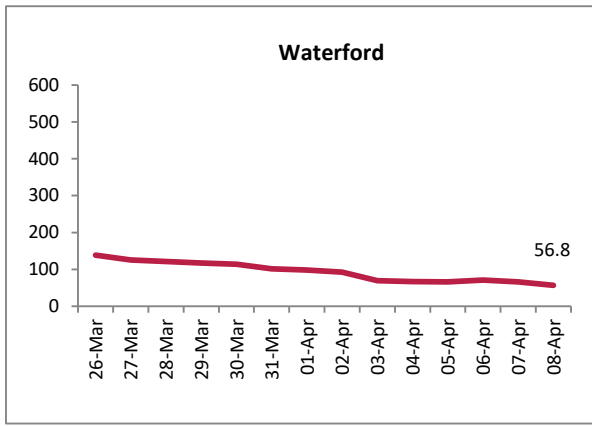


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (26/03/2021 to 08/04/2021)

