

# eDeposit Ireland

## Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 08/04/2021

Item Type	report
Citation	Health Protection Surveillance Centre, Health Service Executive, 'Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 08/04/2021', [report], Health Protection Surveillance Centre, 2021-04-09
Publisher	Health Protection Surveillance Centre
Rights	Y
Download date	2026-03-13 13:38:59
Link to Item	<a href="https://hdl.handle.net/20.500.14765/96017">https://hdl.handle.net/20.500.14765/96017</a>



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

Report prepared by HPSC on 08/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 25/03/2021 up to midnight 07/04/2021

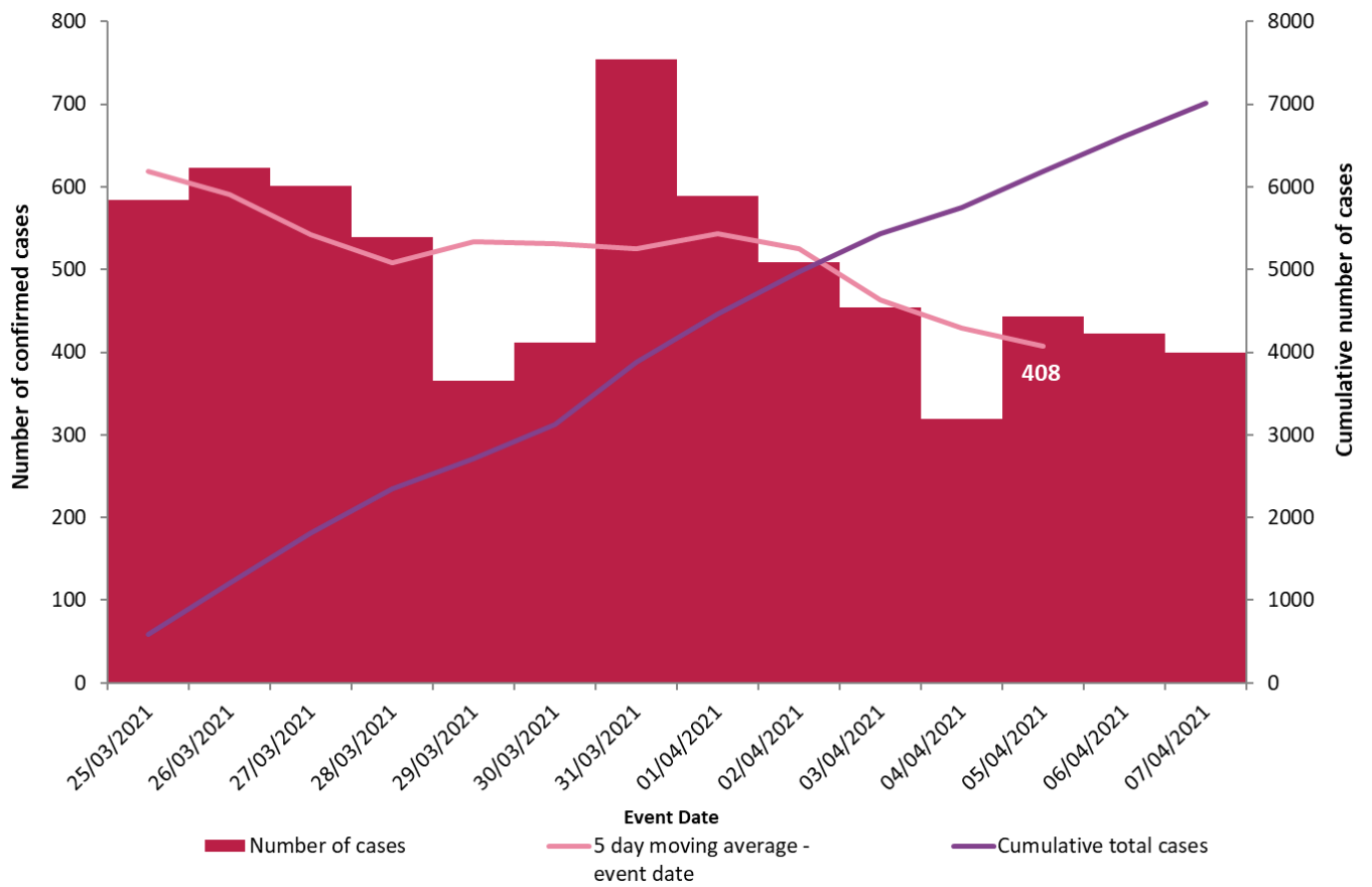
	Number	Percent
Total number of confirmed cases	7,014	
National incidence of confirmed cases per 100,000 population	147.3	
Number of cases hospitalised*	259	3.69
Number of cases admitted to ICU*	14	0.2
Number of deaths among confirmed cases ^	5	0.07
Case fatality ratio (CFR, %)	0.07	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,713	24.42
Number of imported cases	17	0.24
Number of cases in healthcare workers	143	2.04
% HCW where HCW status known (n=5,074)		2.82
Males	3,580	51.04
Females	3,423	48.8
M:F ratio	1.05	
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 25/03/2021 - 07/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:33 on 08/04/2021 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=7,014)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 25/03/2021 up to midnight on 07/04/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>7,014</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.05	
	Male	3,580	51.04
	Female	3,423	48.8
	Unknown	11	0.16
<b>Age</b>	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 97	
	0-4 yrs	532	7.58
	5-12 yrs	947	13.5
	13-18 yrs	532	7.58
	19-24 yrs	726	10.35
	25-34 yrs	1,077	15.36
	35-44 yrs	1,314	18.73
	45-54 yrs	864	12.32
	55-64 yrs	547	7.8
	65-74 yrs	285	4.06
	75-84 yrs	139	1.98
	85+ yrs	51	0.73
<b>Symptom status at time of test*</b>	Yes	3,443	49.09
	No	1,491	21.26
	Unknown	2,080	29.65

\*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 25/03/2021 to midnight 07/04/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	539	137.8
CHO2	400	88.3
CHO3	333	86.5
CHO4	363	52.6
CHO5	359	70.3
CHO6	462	120.6
CHO7	1,413	199.7
CHO8	1,303	210.4
CHO9	1,840	296.1
Unknown	2	
<b>Total</b>	<b>7,220</b>	<b>151.6</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 25/03/2021 to midnight 07/04/2021**

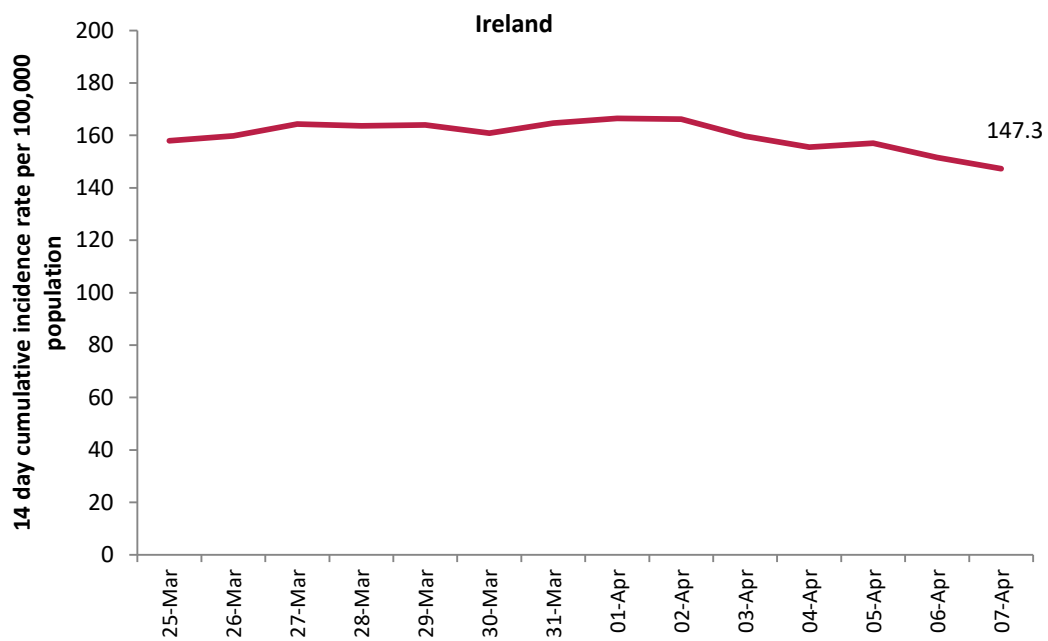
County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (03/04/2021-07/04/2021)
Offaly	270	346.3	10
Westmeath	232	261.3	10
Laois	204	240.9	10
Dublin	3,040	225.6	179
Kildare	501	225.2	35
Donegal	303	190.3	16
Cavan	144	189.0	7
Meath	352	180.5	20
Longford	62	151.7	4
Louth	183	142.0	13
Wicklow	176	123.6	10
Wexford	176	117.6	10
Tipperary	175	109.7	9
Monaghan	64	104.3	5
Mayo	118	90.4	5
Galway	230	89.1	17
Limerick	167	85.7	8
Roscommon	52	80.6	2
Waterford	77	66.3	5
Cork	320	58.9	24
Leitrim	17	53.1	1
Carlow	24	42.2	1
Clare	50	42.1	2
Kerry	43	29.1	3
Kilkenny	23	23.2	1
Sligo	11	16.8	1
<b>Total</b>	<b>7,014</b>	<b>147.3</b>	<b>408</b>



**Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices\* (LHOs) notified in Ireland with a notification date between 25/03/2021 and 07/04/2021**

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	106	77.9
CCA2	Dublin South East	184	148.7
CCA3	Dublin South City	208	138.7
CCA4	Dublin South West	347	215.7
CCA5	Dublin West	353	227.2
CCA6	Dublin North West	706	340.0
CCA7	Dublin North Central	421	272.3
CCA8	Dublin North	713	275.1
	Unknown	2	
	<b>Dublin</b>	<b>3,040</b>	<b>225.6</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\* (25/03/2021 to 07/04/2021)**

\*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 25/03/2021 to midnight 07/04/2021.**

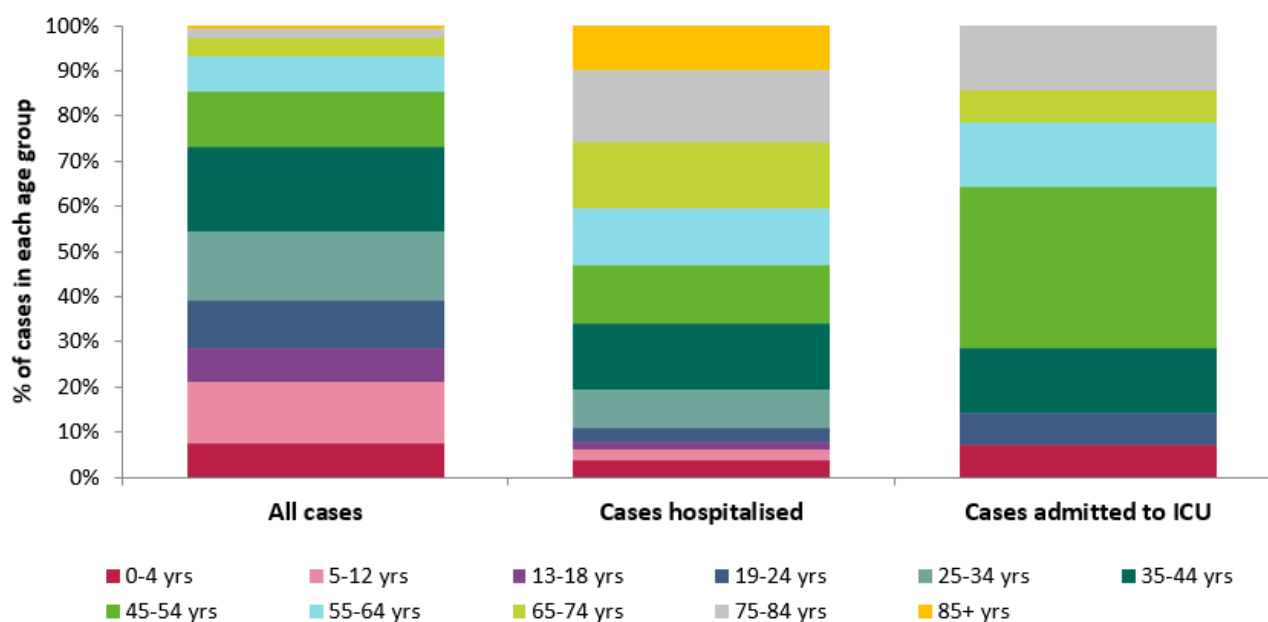
Most likely transmission source*	Number of cases	Percent
Travel related ^	97	1.38%
Close contact with a known confirmed case	2,332	33.25%
Healthcare setting acquired: patient	83	1.18%
Healthcare setting acquired: staff	25	0.36%
Community transmission	1,269	18.09%
Under investigation	3,208	45.74%
<b>Total</b>	<b>7,014</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 25/03/2021 to midnight 07/04/2021 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	532	10	3.86	<5	-
5-12 yrs	947	6	2.32	0	0.00
13-18 yrs	532	4	1.54	0	0.00
19-24 yrs	726	8	3.09	<5	-
25-34 yrs	1077	22	8.49	0	0.00
35-44 yrs	1314	38	14.67	<5	-
45-54 yrs	864	34	13.13	5	35.71
55-64 yrs	547	32	12.36	<5	-
65-74 yrs	285	38	14.67	<5	-
75-84 yrs	139	42	16.22	<5	-
85+ yrs	51	25	9.65	0	0.00
<b>Total</b>	<b>7,014</b>	<b>259</b>	<b>100</b>	<b>14</b>	<b>100</b>



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 25/03/2021 to midnight 07/04/2021 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 25/03/2021 up to midnight 07/04/2021

	Number	Percent
Total number of deaths	5	
Confirmed	5	100
Total number of cases hospitalised	4	80
Total number of male cases	2	40
M:F ratio	1	
Median age (years)	66	
Mean age (years)	70	
Age range (years)	59 - 91	

Table 8: Number of deaths\* in all COVID-19 cases by sex and age group notified in Ireland from 25/03/2021 up to midnight 07/04/2021

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

^ 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.

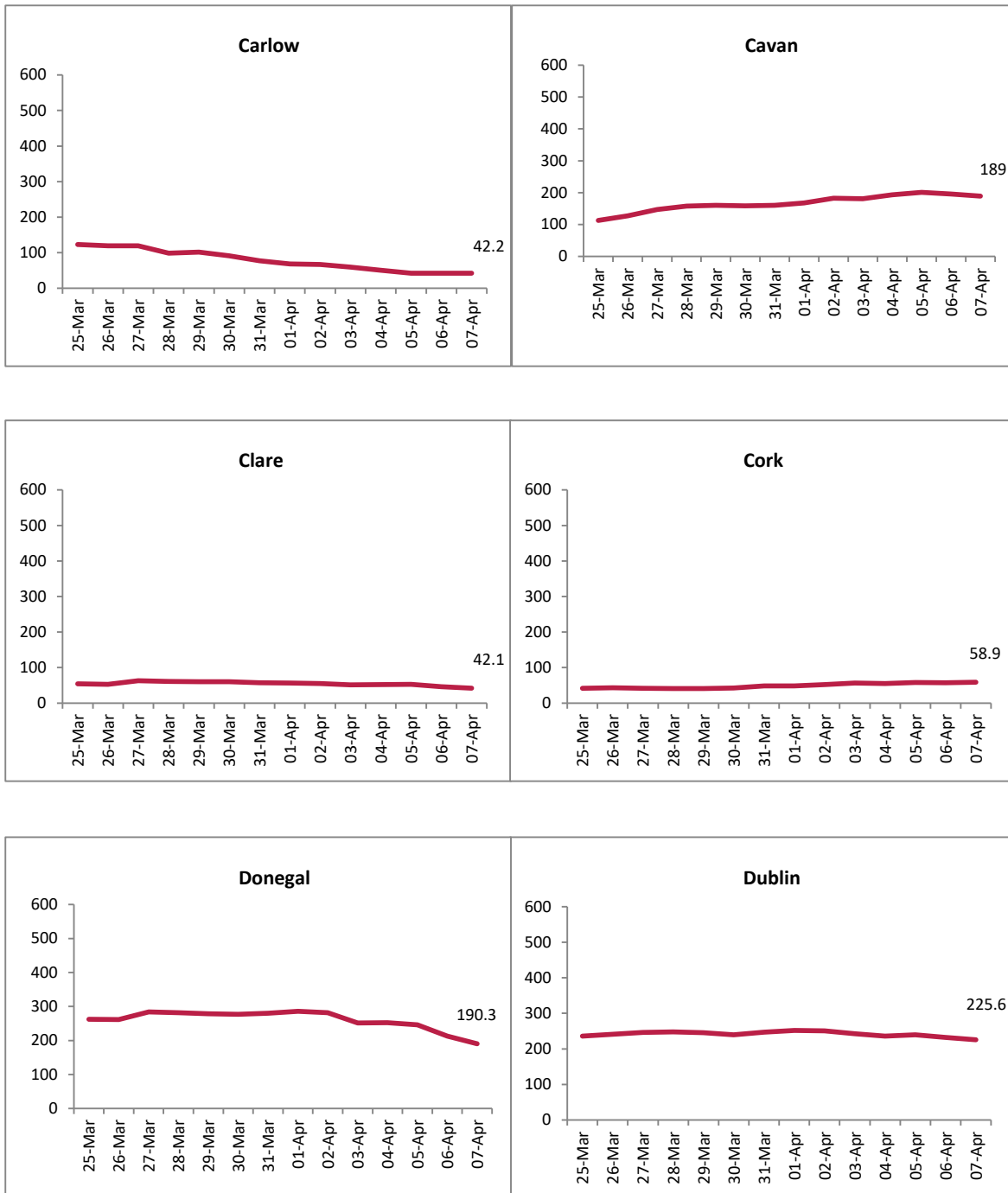
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

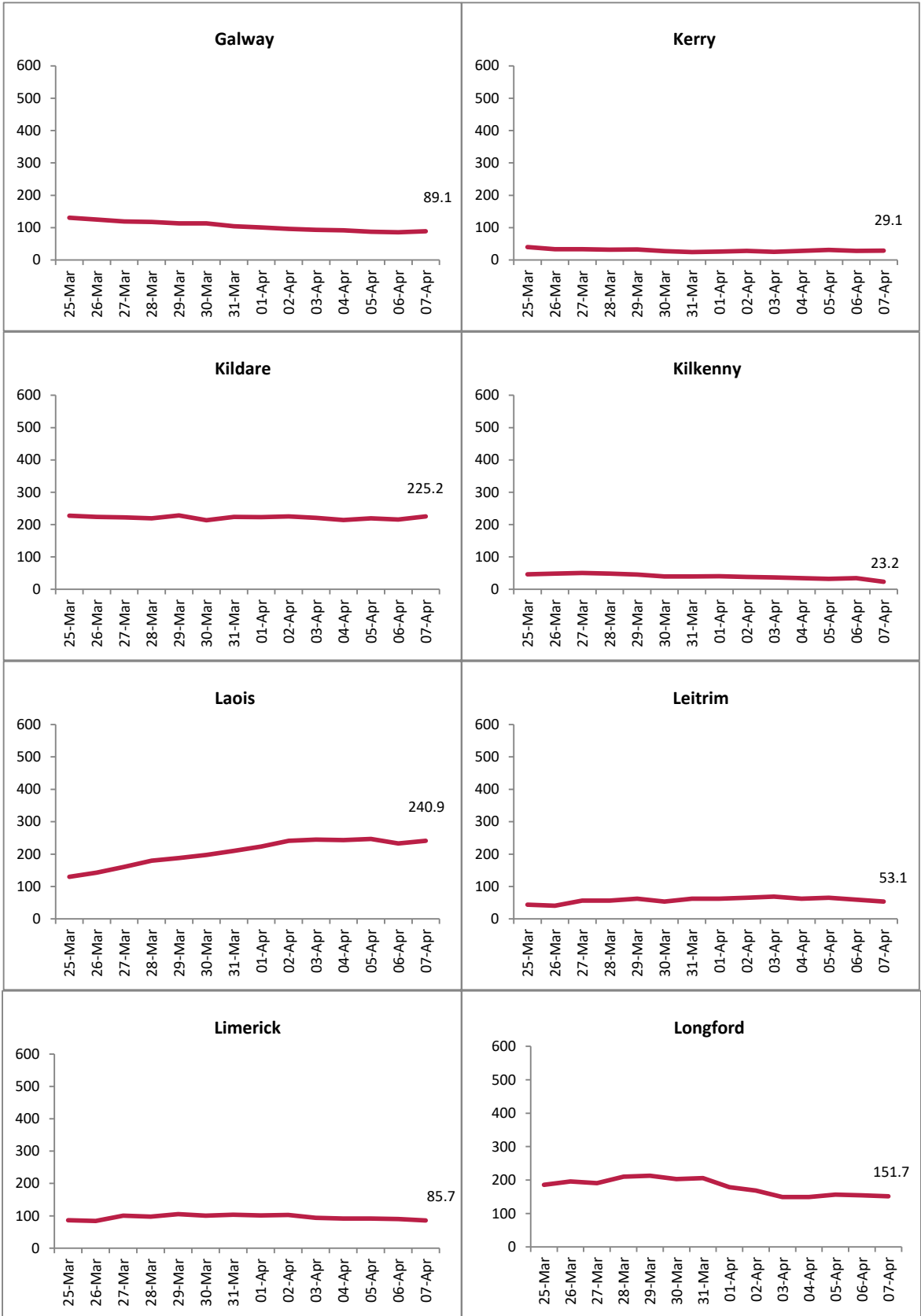
WHO definition of transmission classification is specified below:

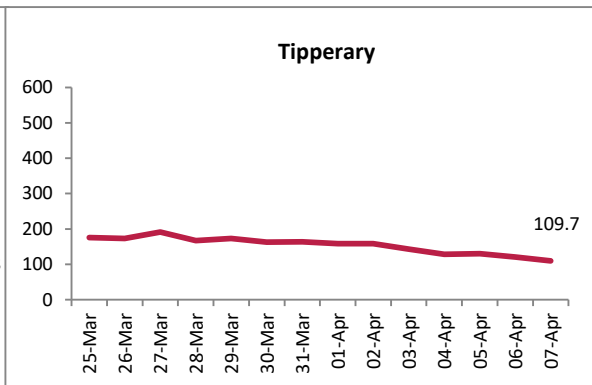
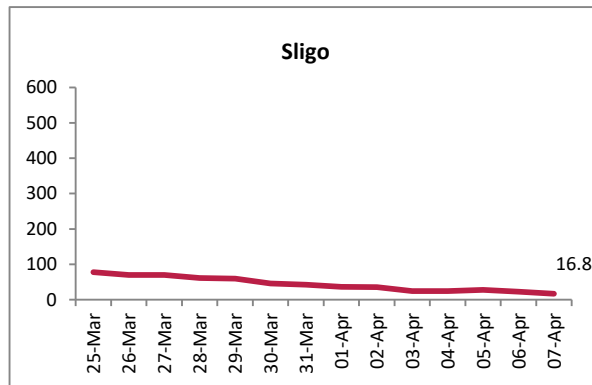
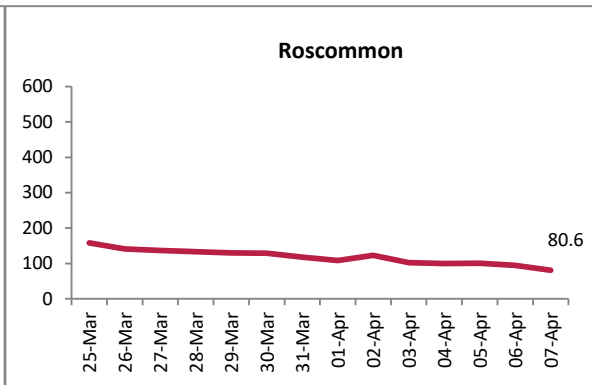
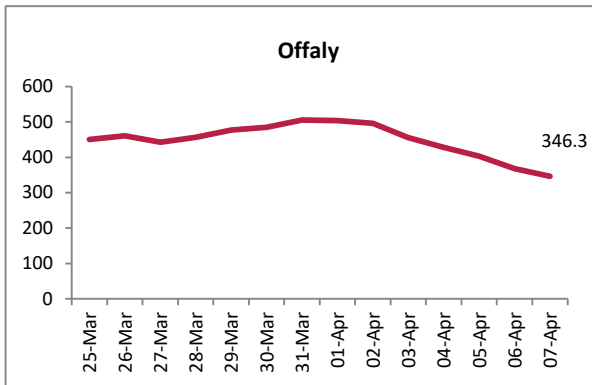
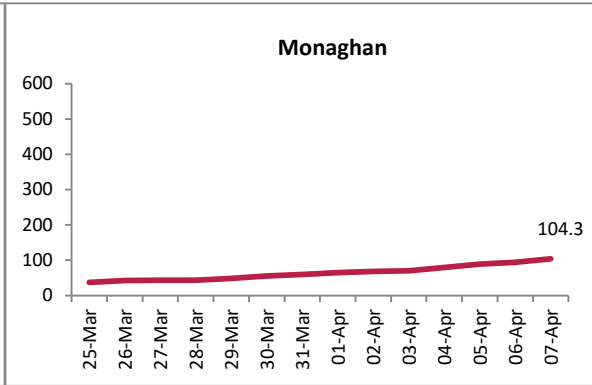
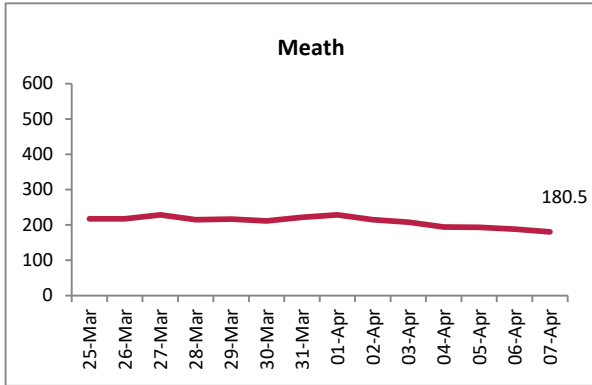
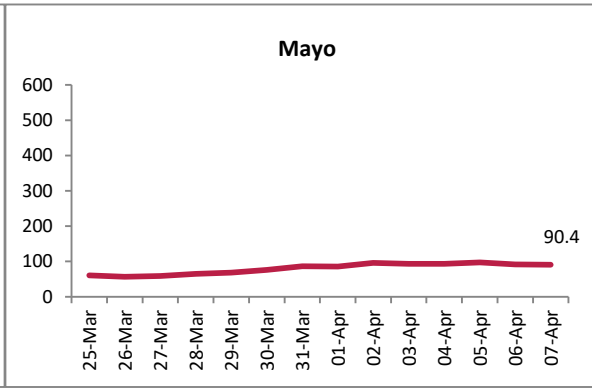
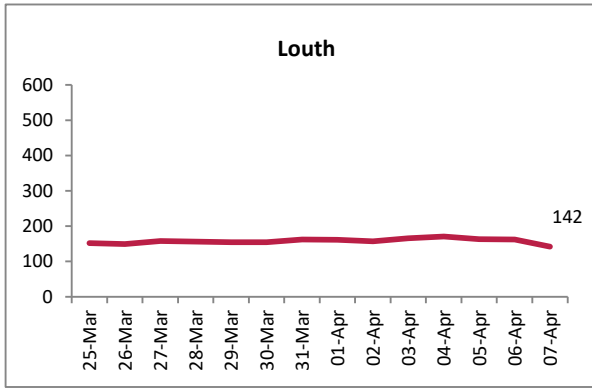
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (25/03/2021 to 07/04/2021)







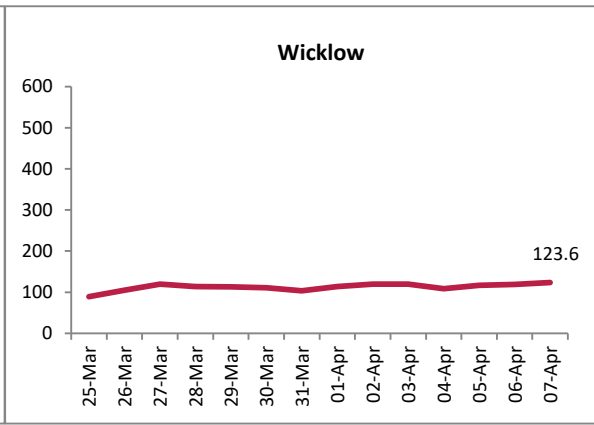
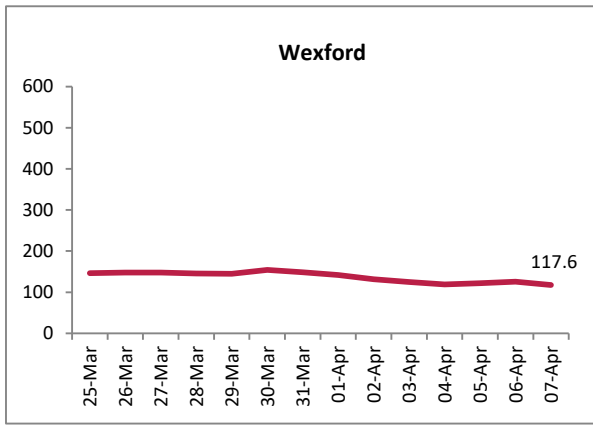
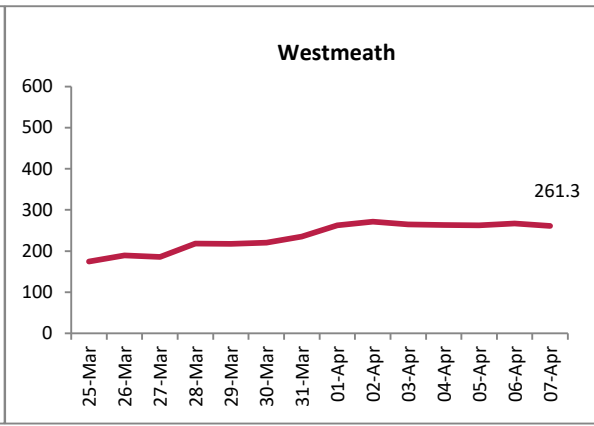
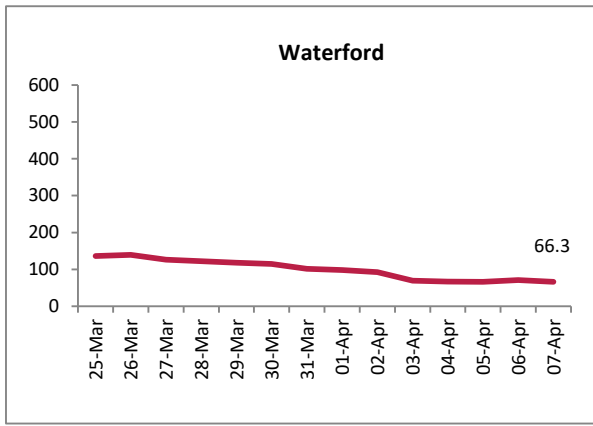


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (25/03/2021 to 07/04/2021)

