



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

Report prepared by HPSC on 04/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 20/04/2021 up to midnight 03/05/2021

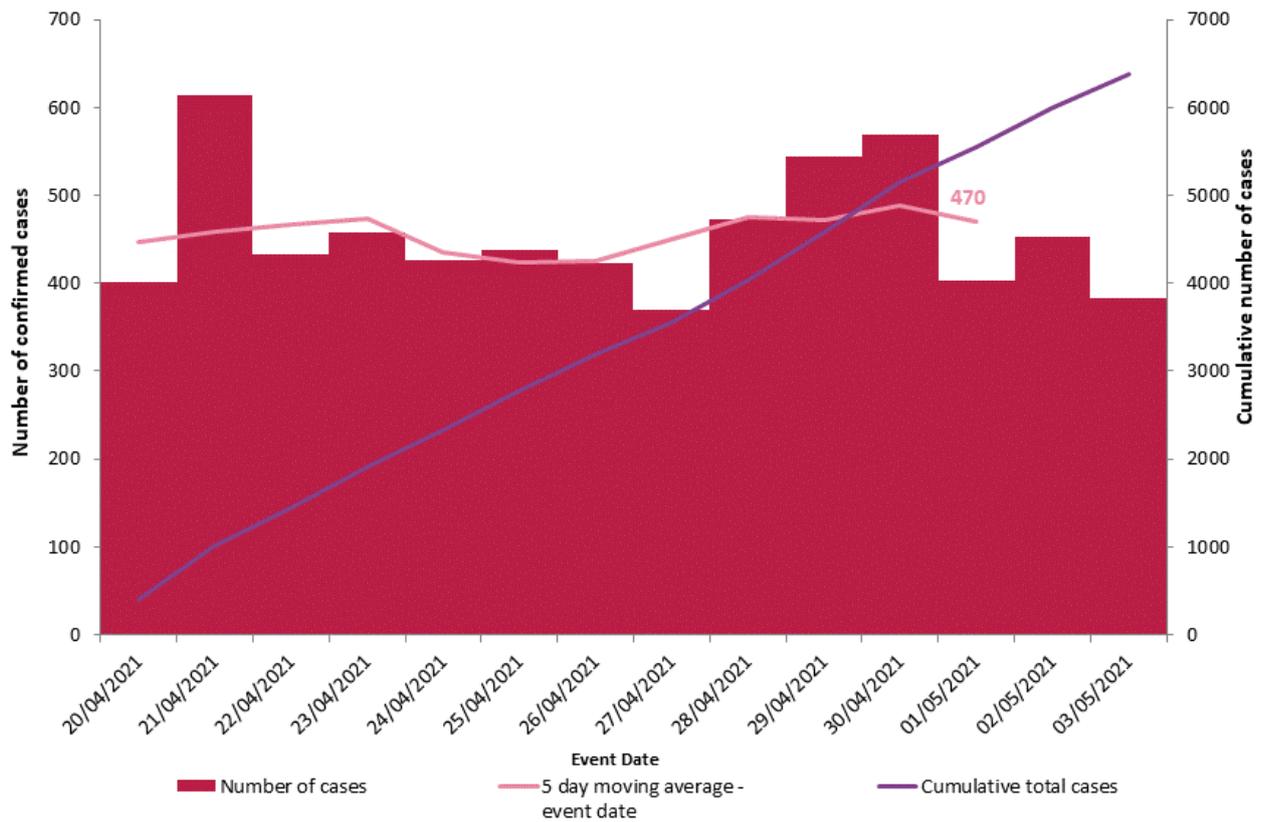
	Number	Percent
Total number of confirmed cases	6,385	
National incidence of confirmed cases per 100,000 population	134.09	
Number of cases hospitalised*	182	2.85
Number of cases admitted to ICU*	14	0.22
Number of deaths among confirmed cases <sup>^</sup>	3	0.05
Case fatality ratio (CFR, %)	0.05	
National incidence of confirmed deaths per 100,000 population	0.06	
Number of cases** associated with clusters	1,594	24.96
Number of imported cases	46	0.72
Number of cases in healthcare workers	124	1.94
Males	3,259	51.04
Females	3,116	48.8
M:F ratio	1.05	
Median age (years)	29	
Mean age (years)	31	
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.

<sup>^</sup> 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 20/04/2021 - 03/05/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:45 on 04/05/2021 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=6,385)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 20/04/2021 up to midnight on 03/05/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>6,385</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.05	
	Male	3,259	51.04
	Female	3,116	48.8
	Unknown	10	0.16
<b>Age</b>	Median age (years)	29	
	Mean age (years)	31	
	Age range (years)	0 - 96	
	0-4 yrs	400	6.26
	5-12 yrs	807	12.64
	13-18 yrs	769	12.04
	19-24 yrs	727	11.39
	25-34 yrs	1,025	16.05
	35-44 yrs	1,091	17.09
	45-54 yrs	862	13.5
	55-64 yrs	425	6.66
	65-74 yrs	182	2.85
	75-84 yrs	76	1.19
	85+ yrs	21	0.33
<b>Symptom status at time of test*</b>	Yes	3,554	55.66
	No	1,429	22.38
	Unknown	1,402	21.96

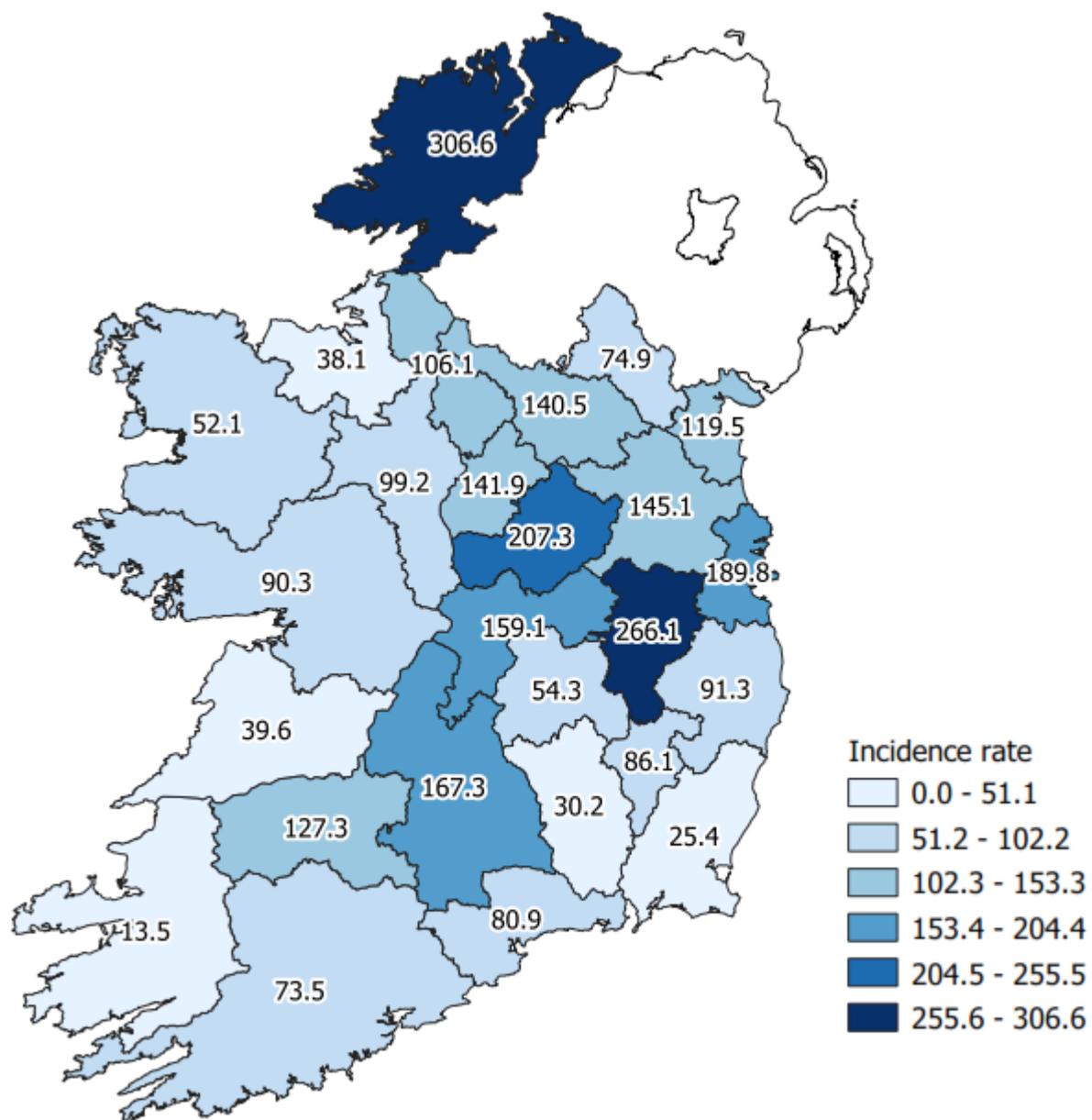
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 20/04/2021 to midnight 03/05/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	700	178.9
CHO2	365	80.6
CHO3	505	131.2
CHO4	419	60.7
CHO5	268	52.5
CHO6	520	135.7
CHO7	1,418	200.4
CHO8	849	137.1
CHO9	1,341	215.8
<b>Total</b>	<b>6,385</b>	<b>134.1</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 20/04/2021 to midnight 03/05/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (29/04/2021-03/05/2021)
Donegal	488	306.5	28
Kildare	592	266.1	49
Westmeath	184	207.3	13
Dublin	2,557	189.8	190
Tipperary	267	167.3	15
Offaly	124	159.1	5
Meath	283	145.1	21
Longford	58	141.9	3
Cavan	107	140.5	11
Limerick	248	127.2	15
Louth	154	119.5	14
Leitrim	34	106.1	1
Roscommon	64	99.2	7
Wicklow	130	91.3	9
Galway	233	90.3	18
Carlow	49	86.1	4
Waterford	94	80.9	9
Monaghan	46	74.9	2
Cork	399	73.5	40
Laois	46	54.3	2
Mayo	68	52.1	4
Clare	47	39.6	3
Sligo	25	38.1	1
Kilkenny	30	30.2	3
Wexford	38	25.4	3
Kerry	20	13.5	2
<b>Total</b>	<b>6,385</b>	<b>134.1</b>	<b>470</b>



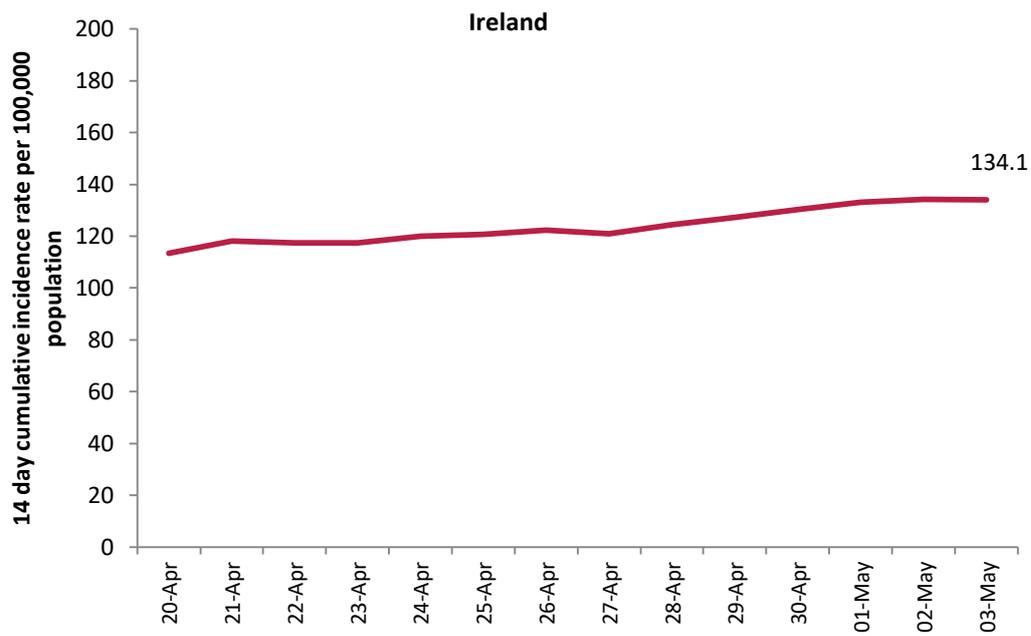
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 20/04/2021 and 03/05/2021**

*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**

**Please be advised that the CCA data are currently being validated and this table will be reintroduced once validation is complete.**

**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\* (20/04/2021 to 03/05/2021)**

\*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 20/04/2021 to midnight 03/05/2021.**

<b>Most likely transmission source</b>	<b>Number of cases</b>	<b>Percent</b>
Travel related^	214	3.35%
Close contact with a known confirmed case	3,950	61.86%
Healthcare setting acquired: patient	34	0.53%
Healthcare setting acquired: staff	21	0.33%
Community transmission	1,048	16.41%
Under investigation	1,118	17.51%
<b>Total</b>	<b>6,385</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 20/04/2021 to midnight 03/05/2021 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	400	6	3.30	0	0.00
5-12 yrs	807	9	4.95	0	0.00
13-18 yrs	769	8	4.40	0	0.00
19-24 yrs	727	12	6.59	<5	-
25-34 yrs	1025	21	11.54	0	0.00
35-44 yrs	1091	28	15.38	<5	-
45-54 yrs	862	28	15.38	<5	-
55-64 yrs	425	24	13.19	<5	-
65-74 yrs	182	27	14.84	<5	-
75-84 yrs	76	13	7.14	0	0.00
85+ yrs	21	6	3.30	0	0.00
<b>Total</b>	<b>6,385</b>	<b>182</b>	<b>100.00</b>	<b>14</b>	<b>100.00</b>

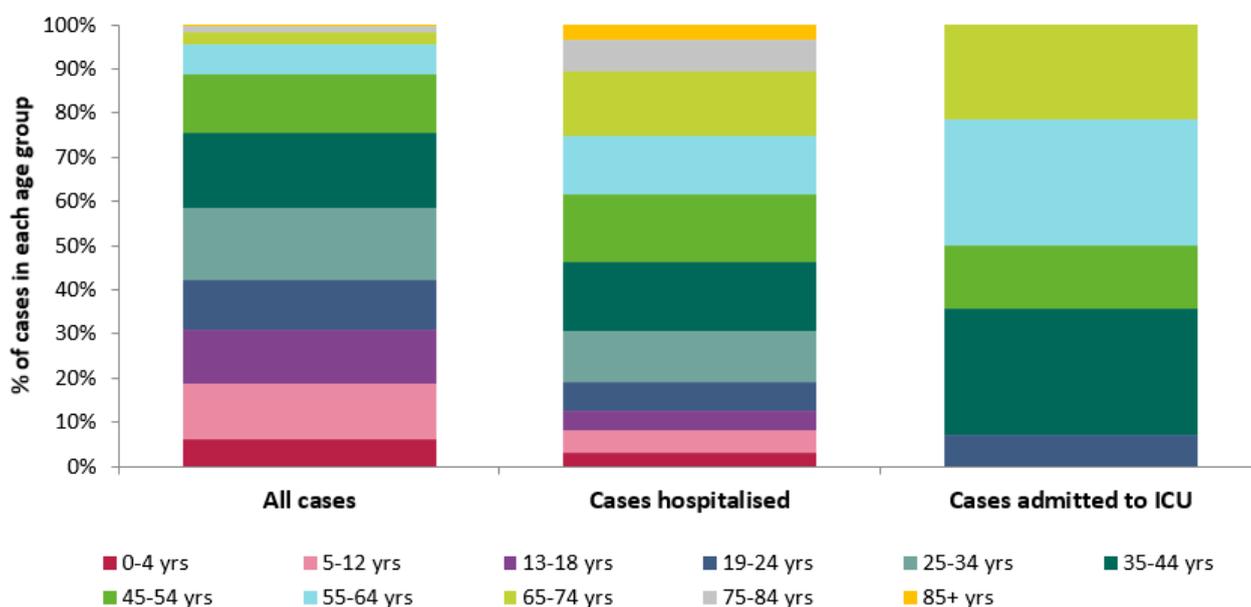


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 20/04/2021 to midnight 03/05/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU\*

\* 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 20/04/2021 up to midnight 03/05/2021

	Number	Percent
Total number of deaths	7	
Confirmed	3	42.86
Probable	2	28.57
Possible	2	28.57
Total number of cases hospitalised	2	28.57
Total number of male cases	3	42.86
M:F ratio	0.75	
Median age (years)	81	
Mean age (years)	77	
Age range (years)	63 - 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.

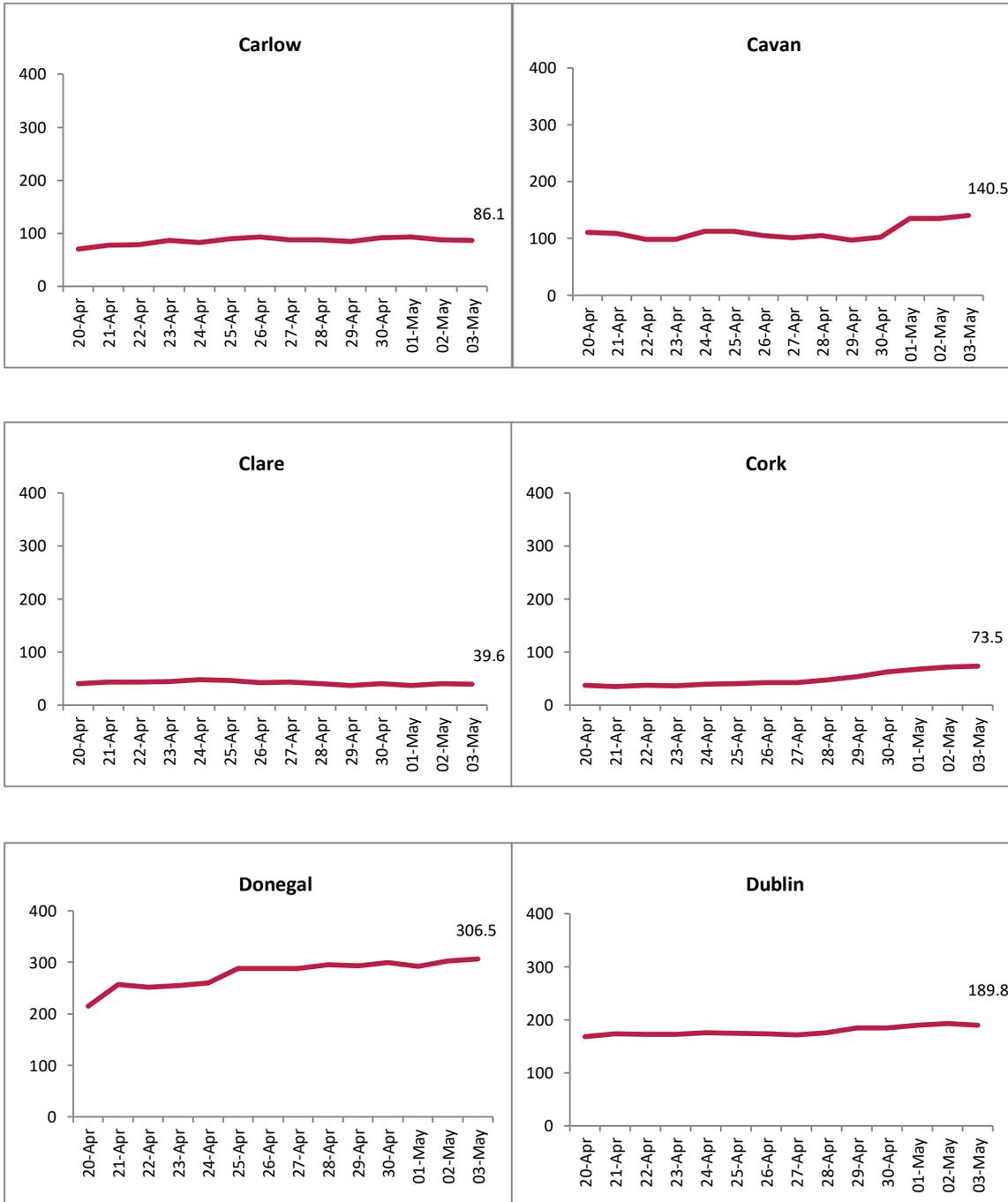
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

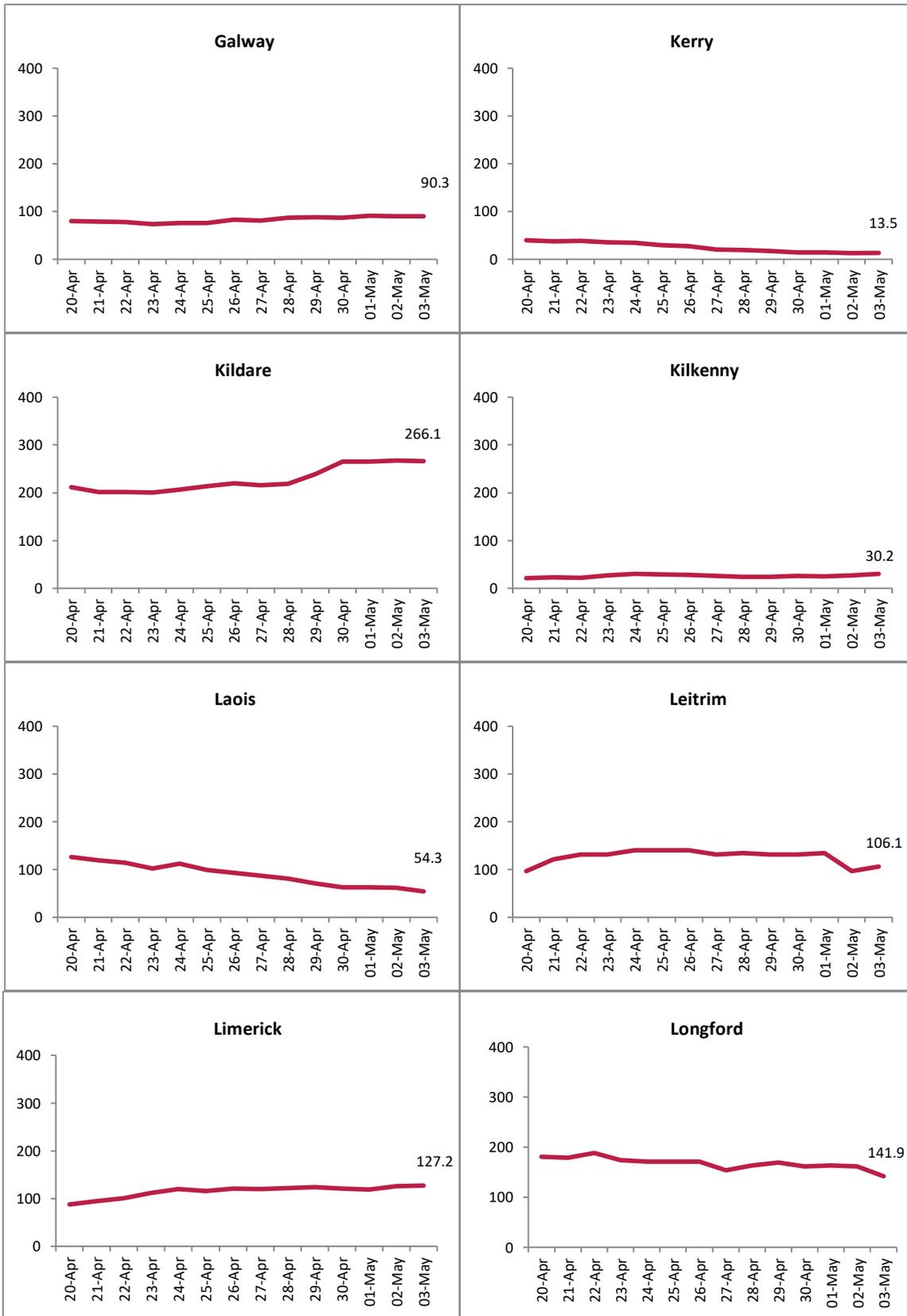
WHO definition of transmission classification is specified below:

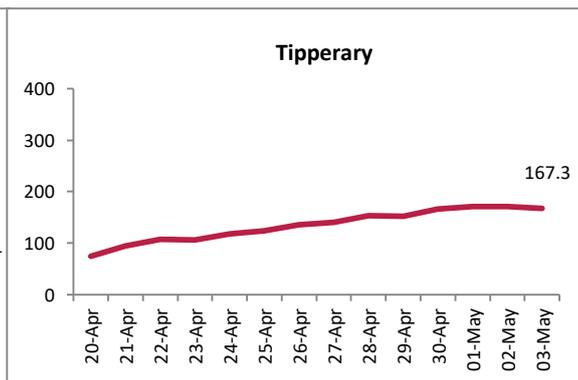
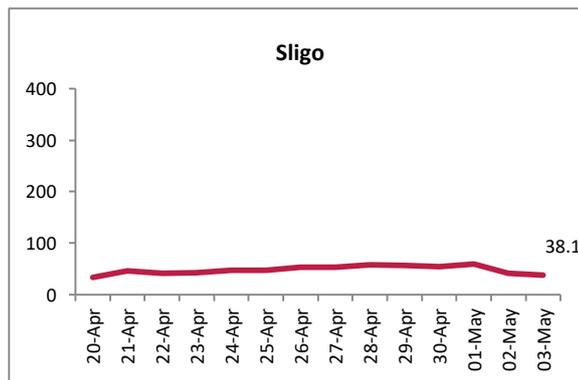
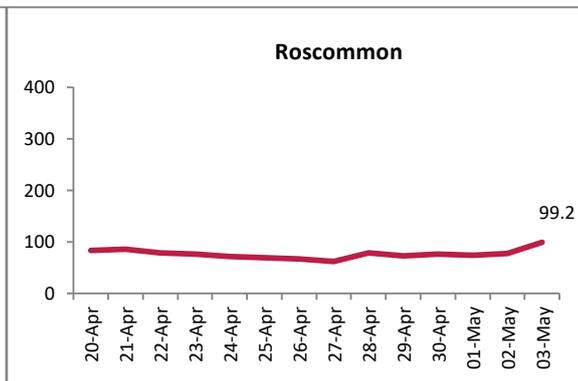
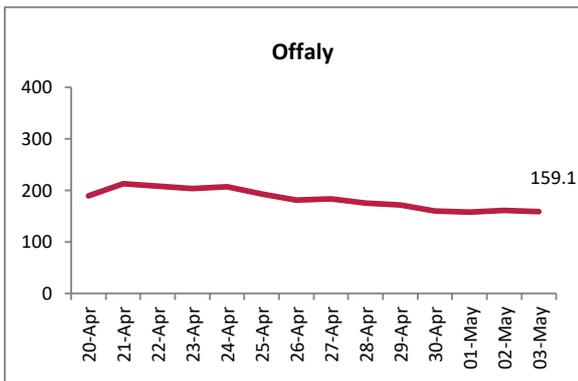
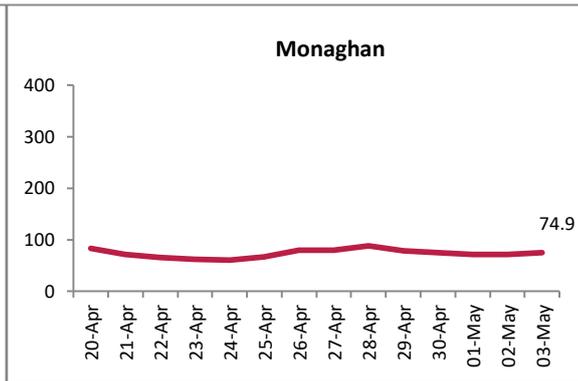
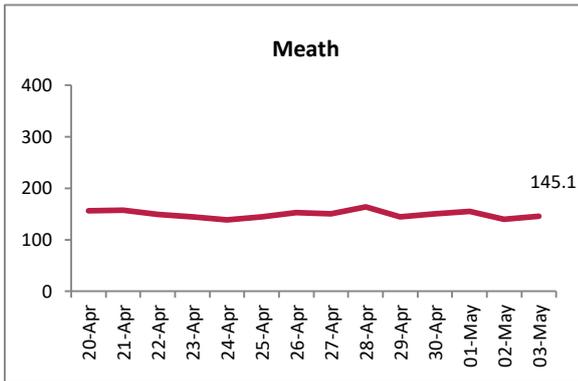
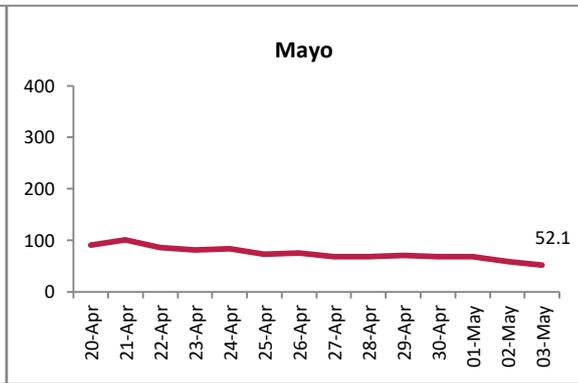
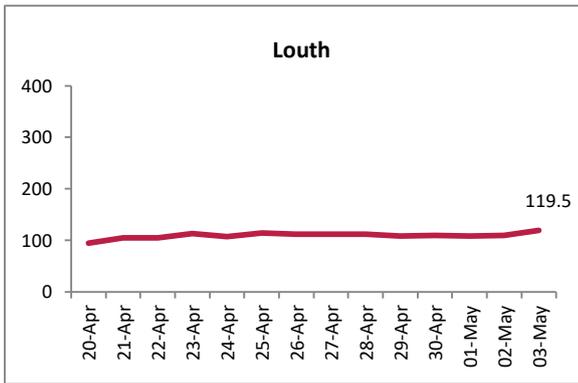
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

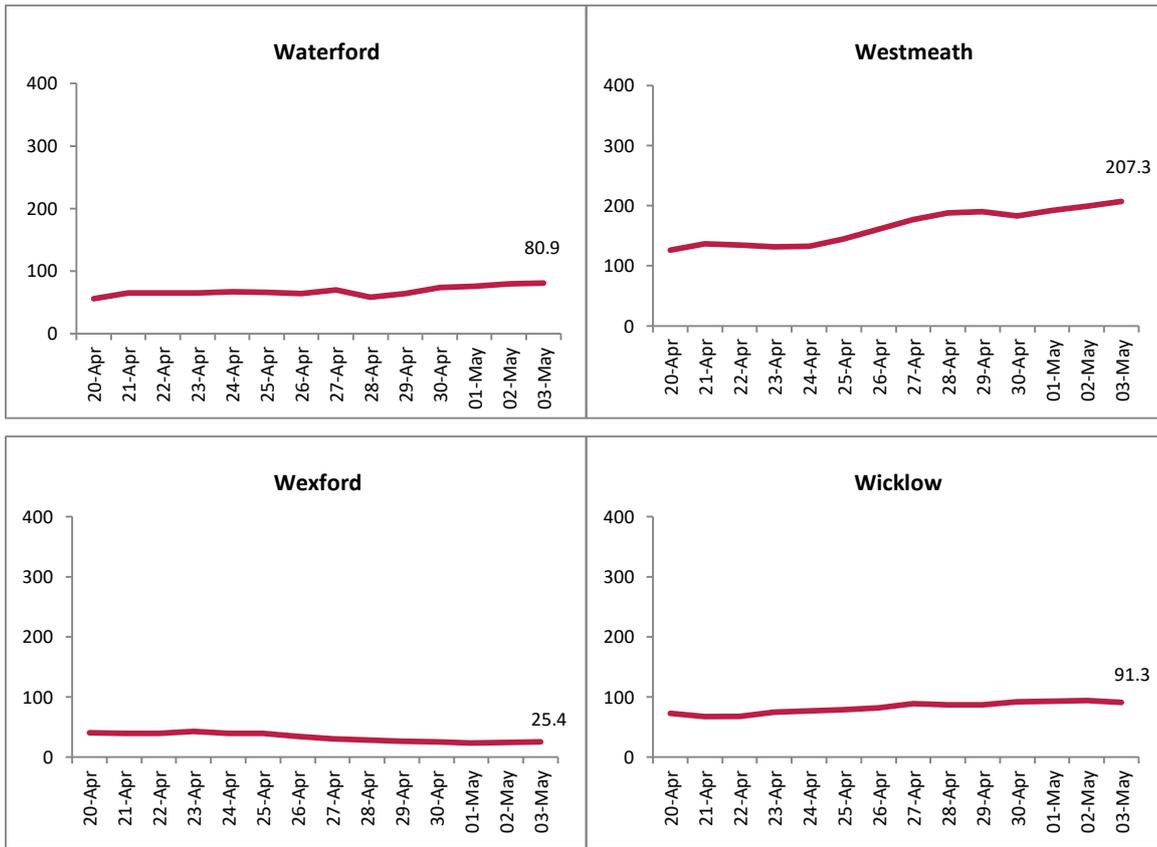
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (20/04/2021 to 03/05/2021)









Please be advised that the Dublin CCA data are being validated and the CCA graphs (Figure B) will be reintroduced once validation is complete.