



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/04/2021 up to midnight 04/05/2021

	Number	Percent
Total number of confirmed cases	6,401	
National incidence of confirmed cases per 100,000 population	134.42	
Number of cases hospitalised*	177	2.77
Number of cases admitted to ICU*	12	0.19
Number of deaths among confirmed cases [^]	2	0.03
Case fatality ratio (CFR, %)	0.03	
National incidence of confirmed deaths per 100,000 population	0.04	
Number of cases** associated with clusters	1,683	26.29
Number of imported cases	47	0.73
Number of cases in healthcare workers	130	2.03
Males	3,240	50.62
Females	3,146	49.15
M:F ratio	1.03	
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.

[^] 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 21/04/2021 - 04/05/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:08 on 05/05/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

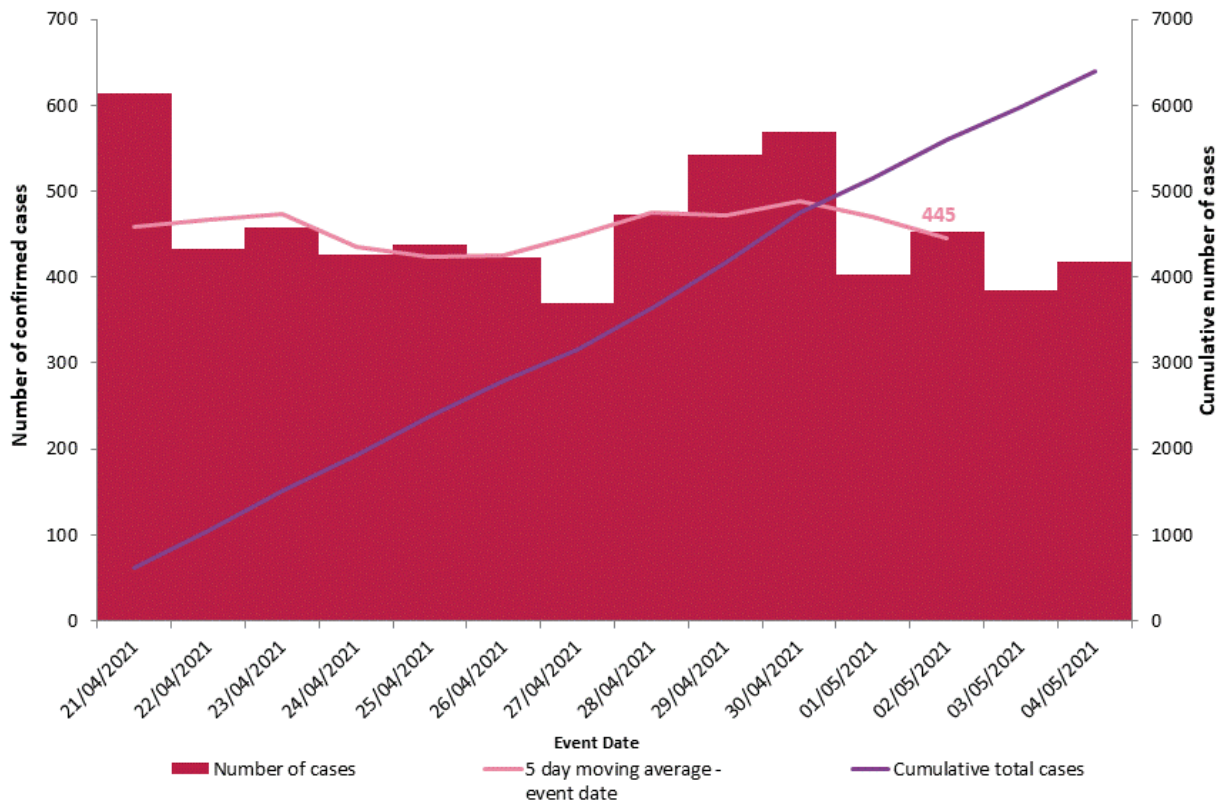


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,401)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/04/2021 up to midnight on 04/05/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,401	100
Sex	Male:Female ratio	1.03	
	Male	3,240	50.62
	Female	3,146	49.15
	Unknown	15	0.23
Age	Median age (years)	29	
	Mean age (years)	31	
	Age range (years)	0 - 96	
	0-4 yrs	406	6.34
	5-12 yrs	818	12.78
	13-18 yrs	763	11.92
	19-24 yrs	742	11.59
	25-34 yrs	1,012	15.81
	35-44 yrs	1,090	17.03
	45-54 yrs	862	13.47
	55-64 yrs	432	6.75
	65-74 yrs	189	2.95
	75-84 yrs	69	1.08
	85+ yrs	18	0.28
Symptom status at time of test*	Yes	3,566	55.71
	No	1,456	22.75
	Unknown	1,379	21.54

*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 21/04/2021 to midnight 04/05/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	711	181.7
CHO2	373	82.3
CHO3	507	131.7
CHO4	432	62.6
CHO5	272	53.3
CHO6	490	127.9
CHO7	1,437	203.0
CHO8	852	137.6
CHO9	1,327	213.5
Total	6,401	134.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/04/2021 to midnight 04/05/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (30/04/2021-04/05/2021)
Donegal	490	307.8	28
Kildare	582	261.6	44
Westmeath	185	208.4	12
Dublin	2,534	188.1	169
Offaly	127	162.9	6
Tipperary	259	162.3	17
Meath	286	146.6	25
Cavan	109	143.1	11
Limerick	249	127.8	15
Longford	52	127.2	4
Louth	157	121.8	13
Leitrim	36	112.3	2
Roscommon	66	102.3	7
Wicklow	138	96.9	9
Galway	230	89.1	13
Carlow	48	84.3	3
Monaghan	51	83.1	3
Waterford	92	79.2	8
Cork	413	76.1	37
Mayo	77	59.0	4
Laois	45	53.1	3
Clare	51	42.9	4
Sligo	25	38.1	1
Kilkenny	37	37.3	3
Wexford	43	28.7	4
Kerry	19	12.9	2
Total	6,401	134.4	445

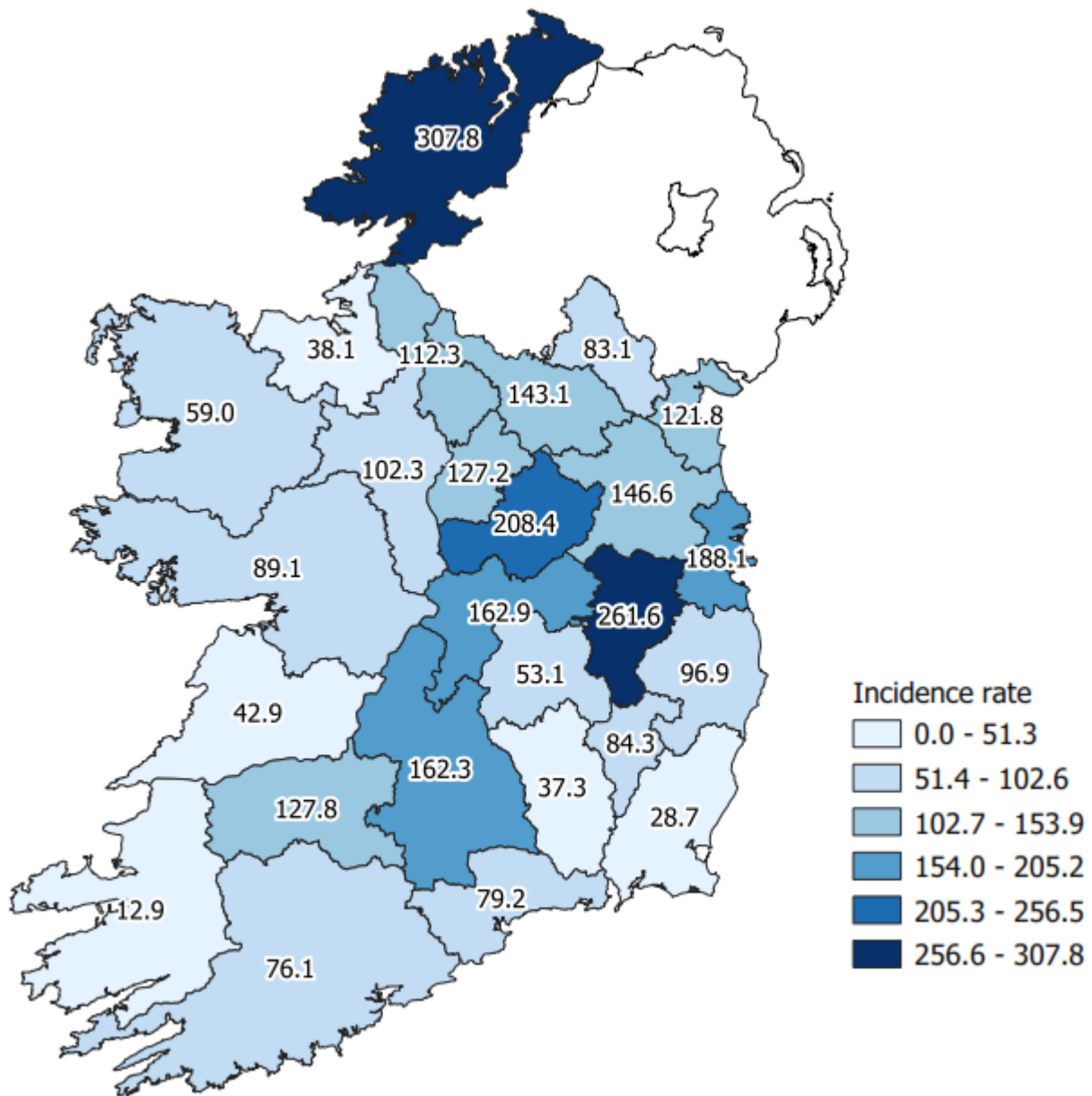


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 21/04/2021 and 04/05/2021

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 1st 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

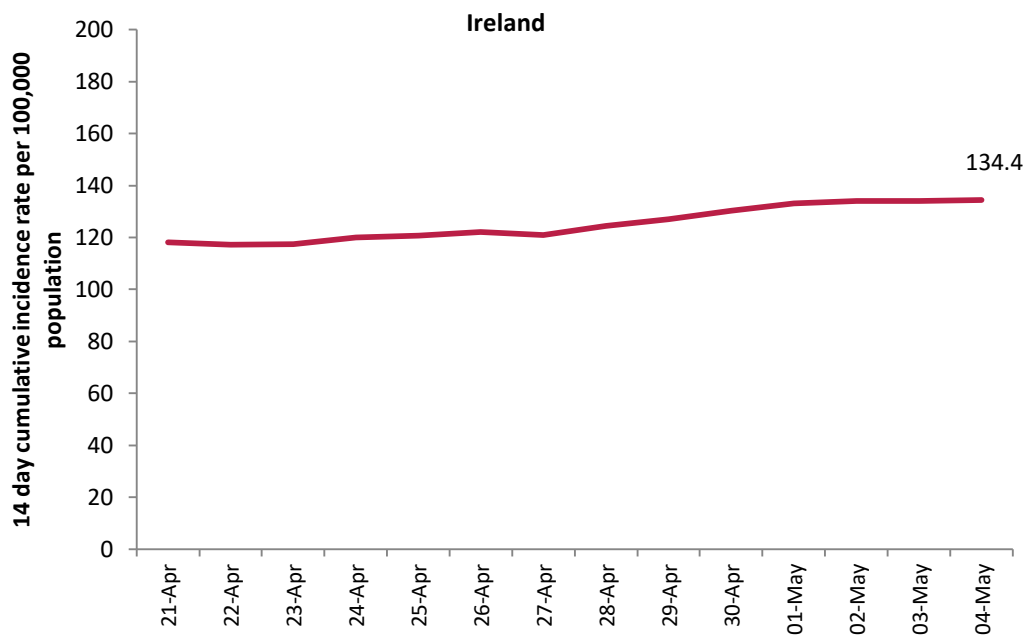


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (21/04/2021 to 04/05/2021)

*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 21/04/2021 to midnight 04/05/2021.

Most likely transmission source	Number of cases	Percent
Travel related [^]	214	3.34%
Close contact with a known confirmed case	4,061	63.44%
Healthcare setting acquired: patient	30	0.47%
Healthcare setting acquired: staff	22	0.34%
Community transmission	1,004	15.69%
Under investigation	1,070	16.72%
Total	6,401	100.00%

[^]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 21/04/2021 to midnight 04/05/2021 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	406	7	3.95	0	0.00
5-12 yrs	818	10	5.65	<5	-
13-18 yrs	763	6	3.39	0	0.00
19-24 yrs	742	11	6.21	<5	-
25-34 yrs	1012	21	11.86	0	0.00
35-44 yrs	1090	27	15.25	<5	-
45-54 yrs	862	30	16.95	<5	-
55-64 yrs	432	22	12.43	<5	-
65-74 yrs	189	27	15.25	<5	-
75-84 yrs	69	11	6.21	0	0.00
85+ yrs	18	5	2.82	0	0.00
Total	6,401	177	100.00	12	100.00

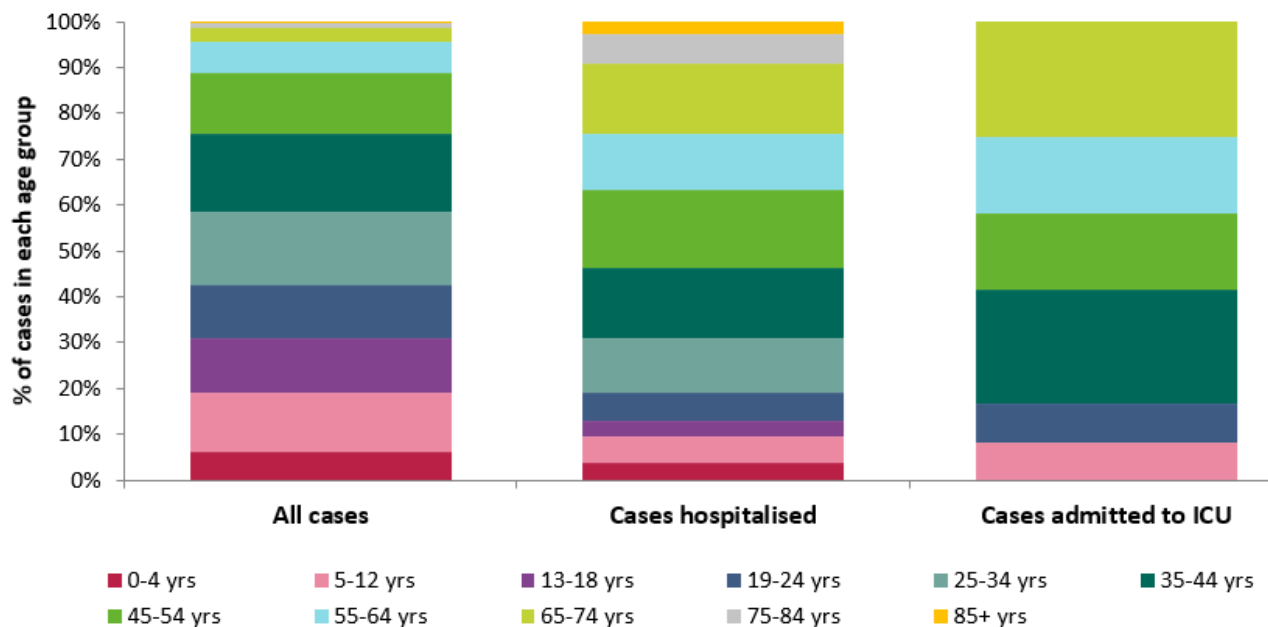


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 21/04/2021 to midnight 04/05/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 21/04/2021 up to midnight 04/05/2021

	Number	Percent
Total number of deaths	5	
Confirmed	2	40
Probable	1	20
Possible	2	40
Total number of cases hospitalised	2	40
Total number of male cases	2	40
M:F ratio	0.67	
Median age (years)	74	
Mean age (years)	74	
Age range (years)	63 - 87	

[^] 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 ≥ 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.

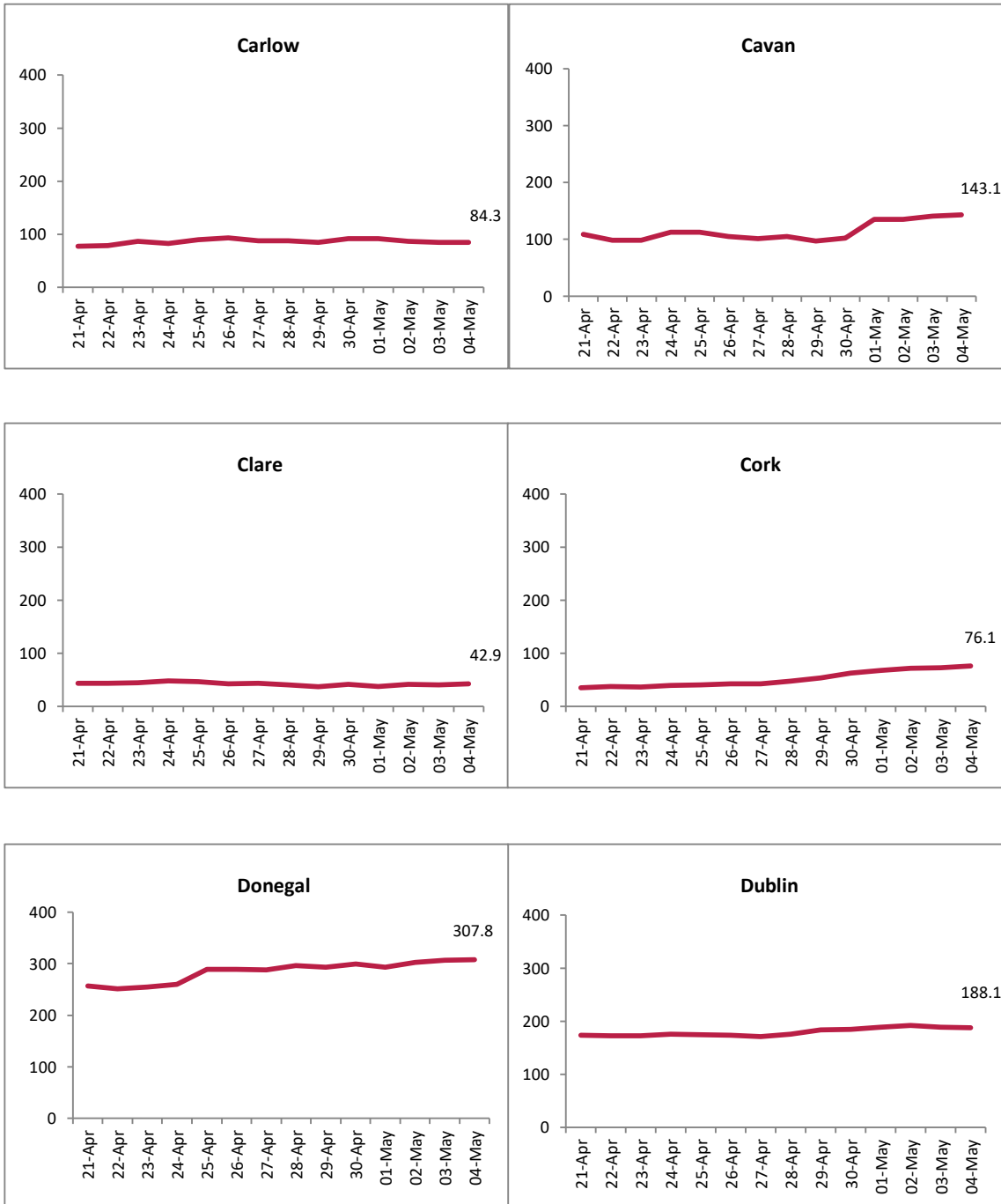
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

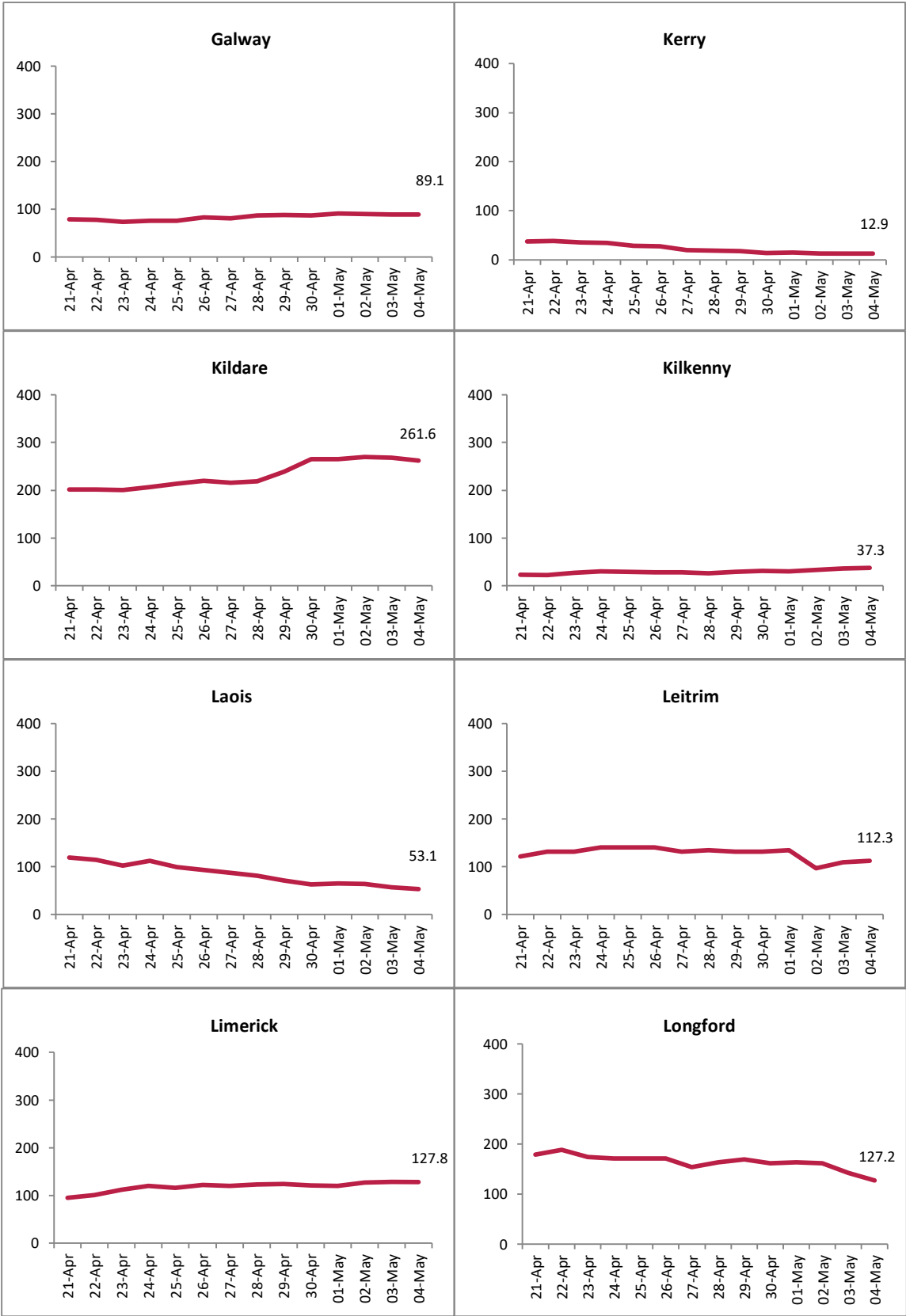
WHO definition of transmission classification is specified below:

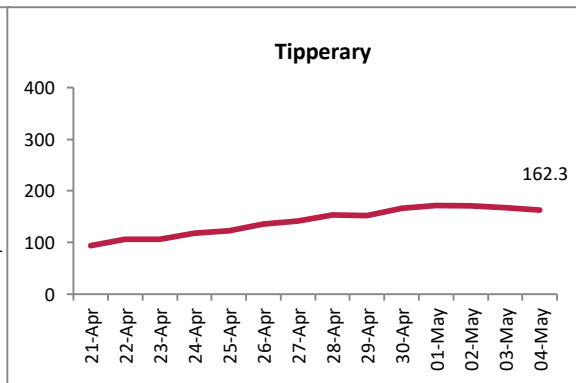
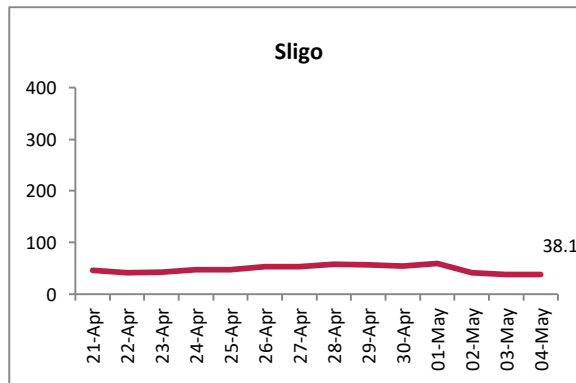
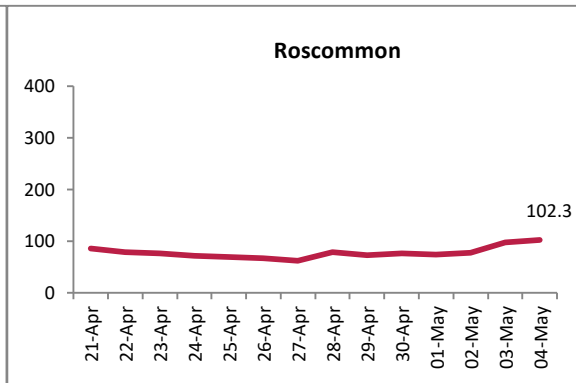
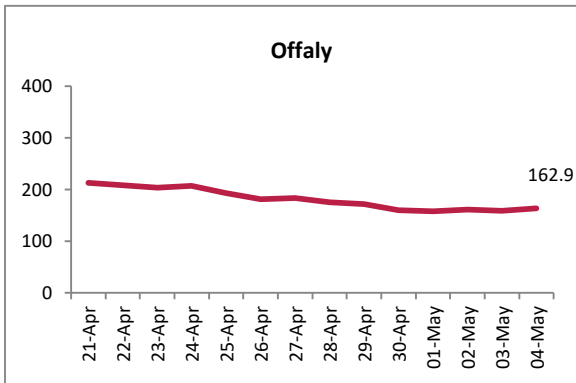
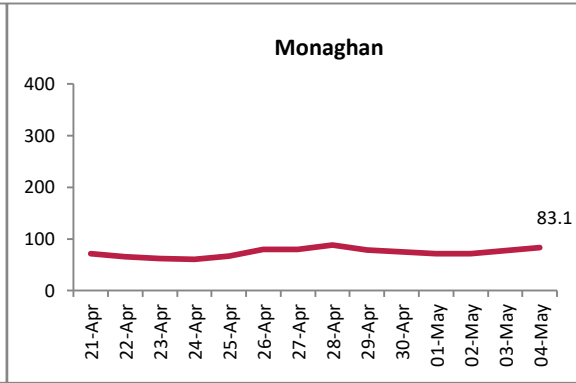
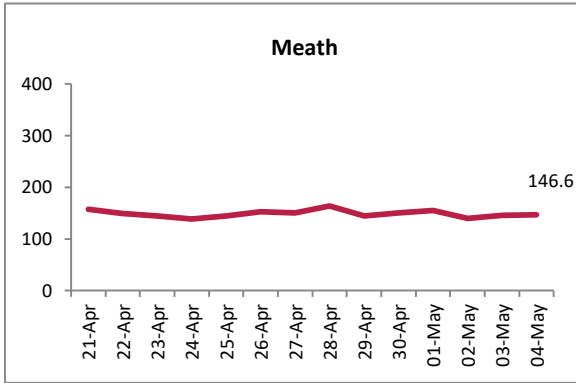
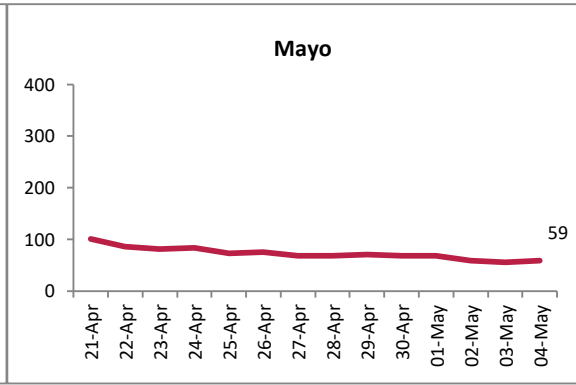
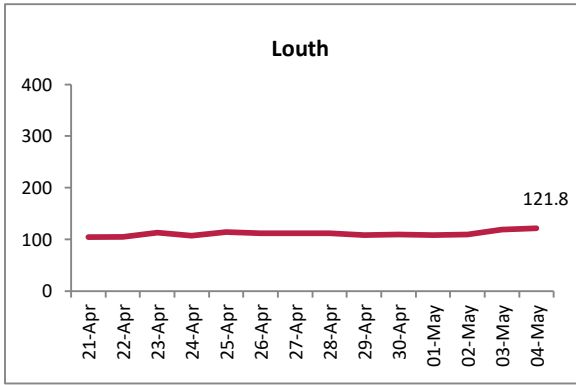
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

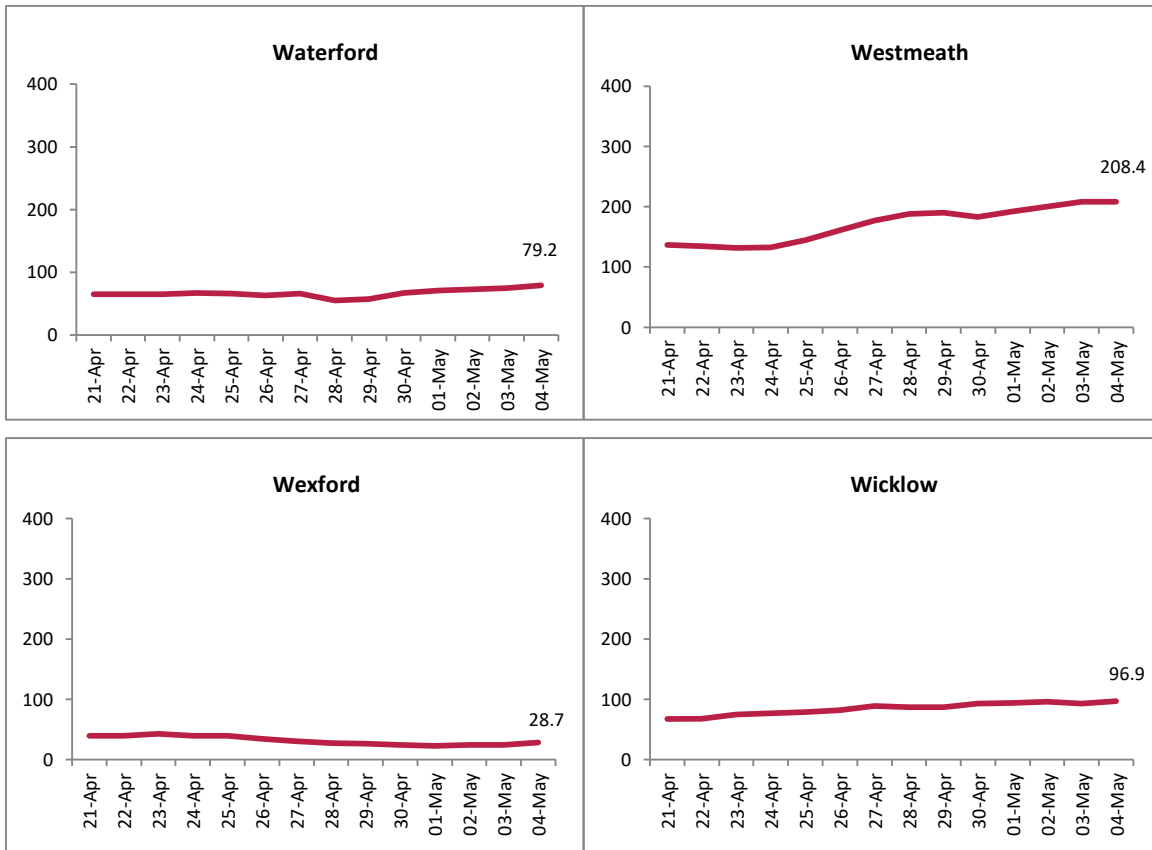
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (21/04/2021 to 04/05/2021)









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