



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 12/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 28/04/2021 up to midnight 11/05/2021

	Number	Percent
Total number of confirmed cases	6,175	
National incidence of confirmed cases per 100,000 population	129.68	
Number of cases hospitalised*	134	2.17
Number of cases admitted to ICU*	6	0.1
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	1,665	26.96
Number of imported cases	90	1.46
Number of cases in healthcare workers	139	2.25
Males	3,085	49.96
Females	3,070	49.72
M:F ratio	1	
Median age (years)	29	
Mean age (years)	30	
Age range (years)	0 - 95	

* 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 28/04/2021 - 11/05/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:39 on 12/05/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

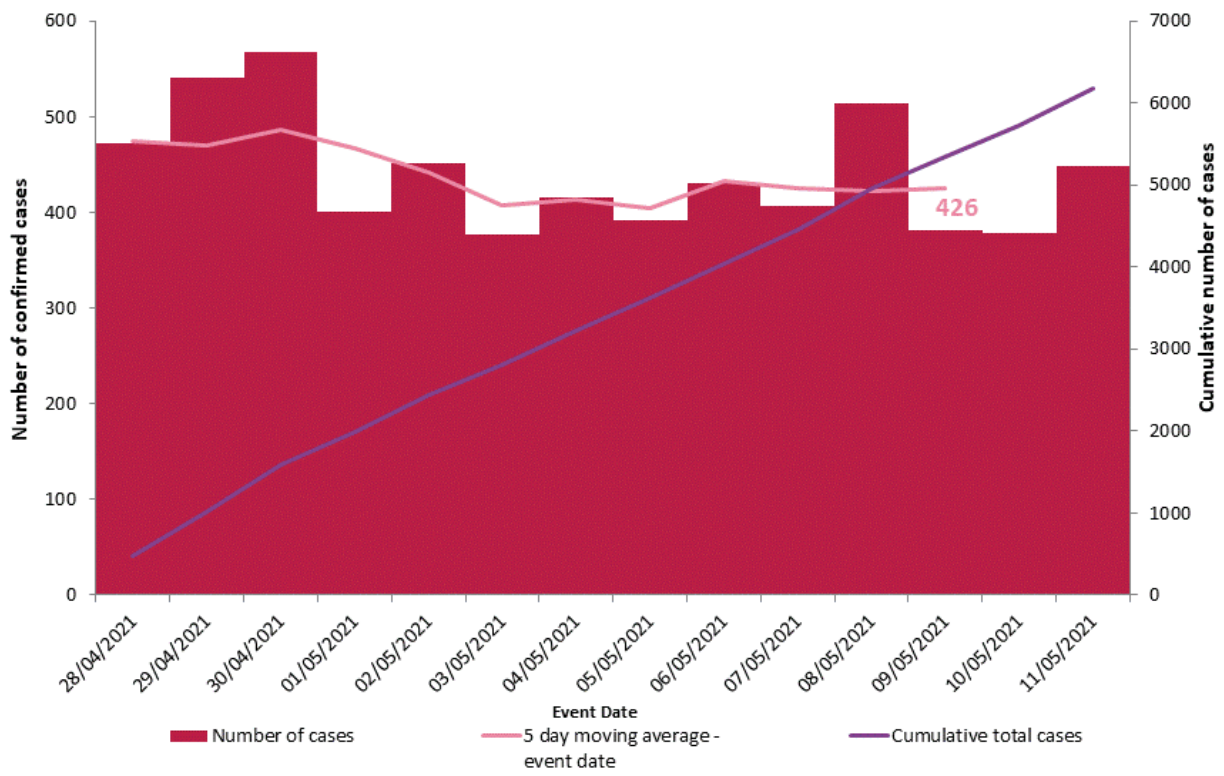


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,175)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 28/04/2021 up to midnight on 11/05/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,175	100
Sex	Male:Female ratio	1	
	Male	3,085	49.96
	Female	3,070	49.72
	Unknown	20	0.32
Age	Median age (years)	29	
	Mean age (years)	30	
	Age range (years)	0 - 95	
	0-4 yrs	377	6.11
	5-12 yrs	873	14.14
	13-18 yrs	621	10.06
	19-24 yrs	710	11.5
	25-34 yrs	1,080	17.49
	35-44 yrs	1,102	17.85
	45-54 yrs	809	13.1
	55-64 yrs	389	6.3
	65-74 yrs	162	2.62
	75-84 yrs	45	0.73
	85+ yrs	7	0.11
Symptom status at time of test*	Yes	3,518	56.97
	No	1,364	22.09
	Unknown	1,293	20.94

*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

Please be advised that the CHO data are being validated and this table will be reintroduced once validation is complete

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 28/04/2021 to midnight 11/05/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (07/05/2021-11/05/2021)
Kildare	560	251.7	35
Donegal	383	240.6	27
Dublin	2,670	198.2	207
Roscommon	126	195.2	10
Westmeath	154	173.5	9
Meath	291	149.2	19
Cavan	110	144.4	6
Monaghan	69	112.4	6
Limerick	215	110.3	15
Louth	139	107.8	7
Tipperary	157	98.4	6
Cork	491	90.4	27
Offaly	67	85.9	4
Longford	35	85.6	1
Carlow	48	84.3	3
Galway	186	72.1	9
Waterford	79	68.0	5
Wicklow	94	66.0	5
Wexford	88	58.8	10
Leitrim	17	53.1	0
Kilkenny	43	43.3	3
Clare	48	40.4	4
Laois	32	37.8	2
Mayo	44	33.7	3
Kerry	21	14.2	1
Sligo	8	12.2	0
Total	6,175	129.7	426

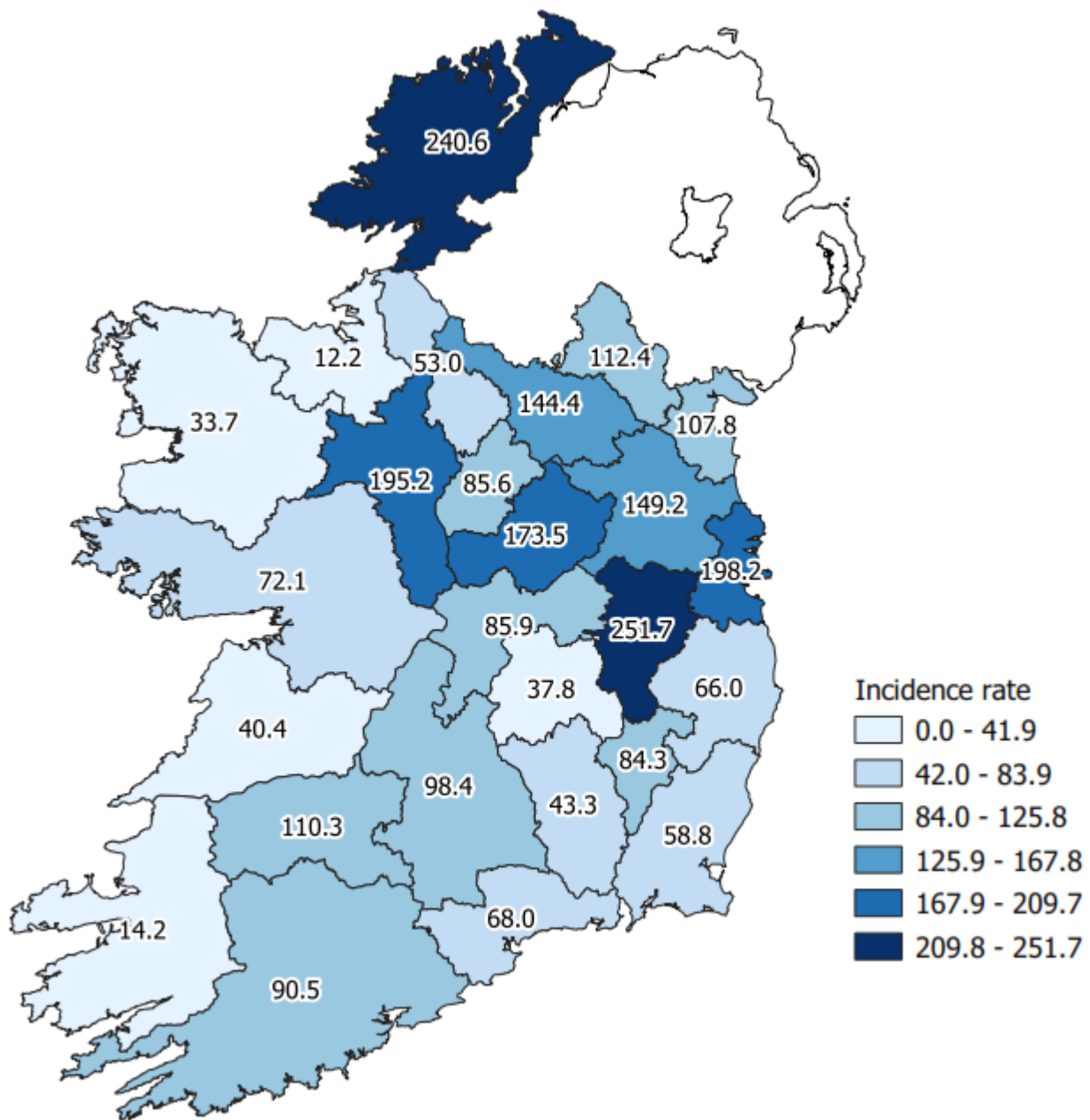


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 28/04/2021 and 11/05/2021

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

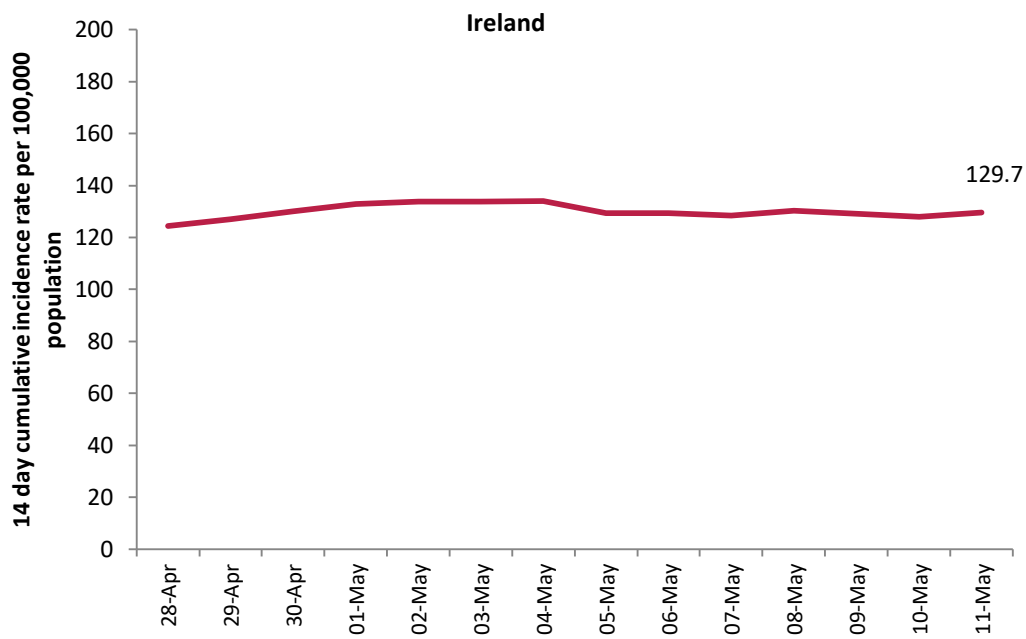


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (28/04/2021 to 11/05/2021)

*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 28/04/2021 to midnight 11/05/2021

Most likely transmission source	Number of cases	Percent
Travel related *	231	3.74%
Close contact with a known confirmed case	3,947	63.92%
Healthcare setting acquired: patient	21	0.34%
Healthcare setting acquired: staff	16	0.26%
Community transmission	903	14.62%
Under investigation	1,057	17.12%
Total	6,175	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 28/04/2021 to midnight 11/05/2021 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	377	10	7.46	0	0
5-12 yrs	873	5	3.73	<5	-
13-18 yrs	621	<5	-	0	0
19-24 yrs	710	5	3.73	0	0
25-34 yrs	1080	17	12.69	<5	-
35-44 yrs	1102	21	15.67	<5	-
45-54 yrs	809	15	11.19	0	0
55-64 yrs	389	16	11.94	0	0
65-74 yrs	162	27	20.15	<5	-
75-84 yrs	45	11	8.21	<5	-
85+ yrs	7	<5	-	0	0
Total	6,175	134	100	6	100

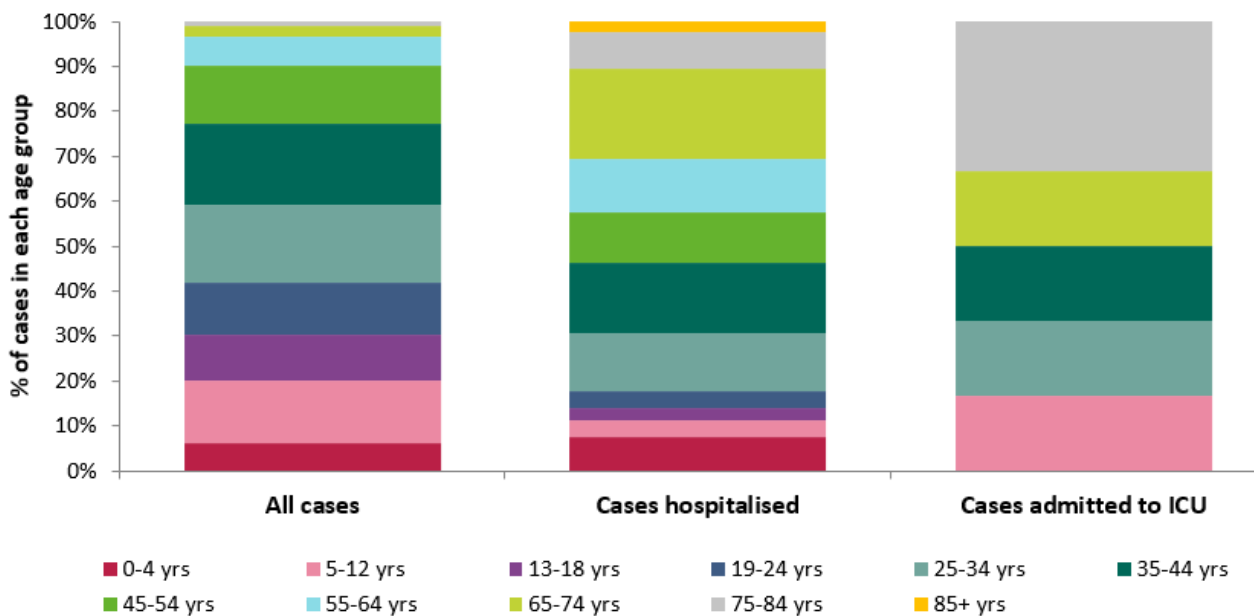


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 28/04/2021 to midnight 11/05/2021 in each age-group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 28/04/2021 up to midnight 11/05/2021

	Number	Percent
Total number of deaths	5	
Confirmed	3	60
Probable	1	20
Possible	1	20
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)	76	
Age range (years)	66 - 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 at 08:39 on 12/05/2021. 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.

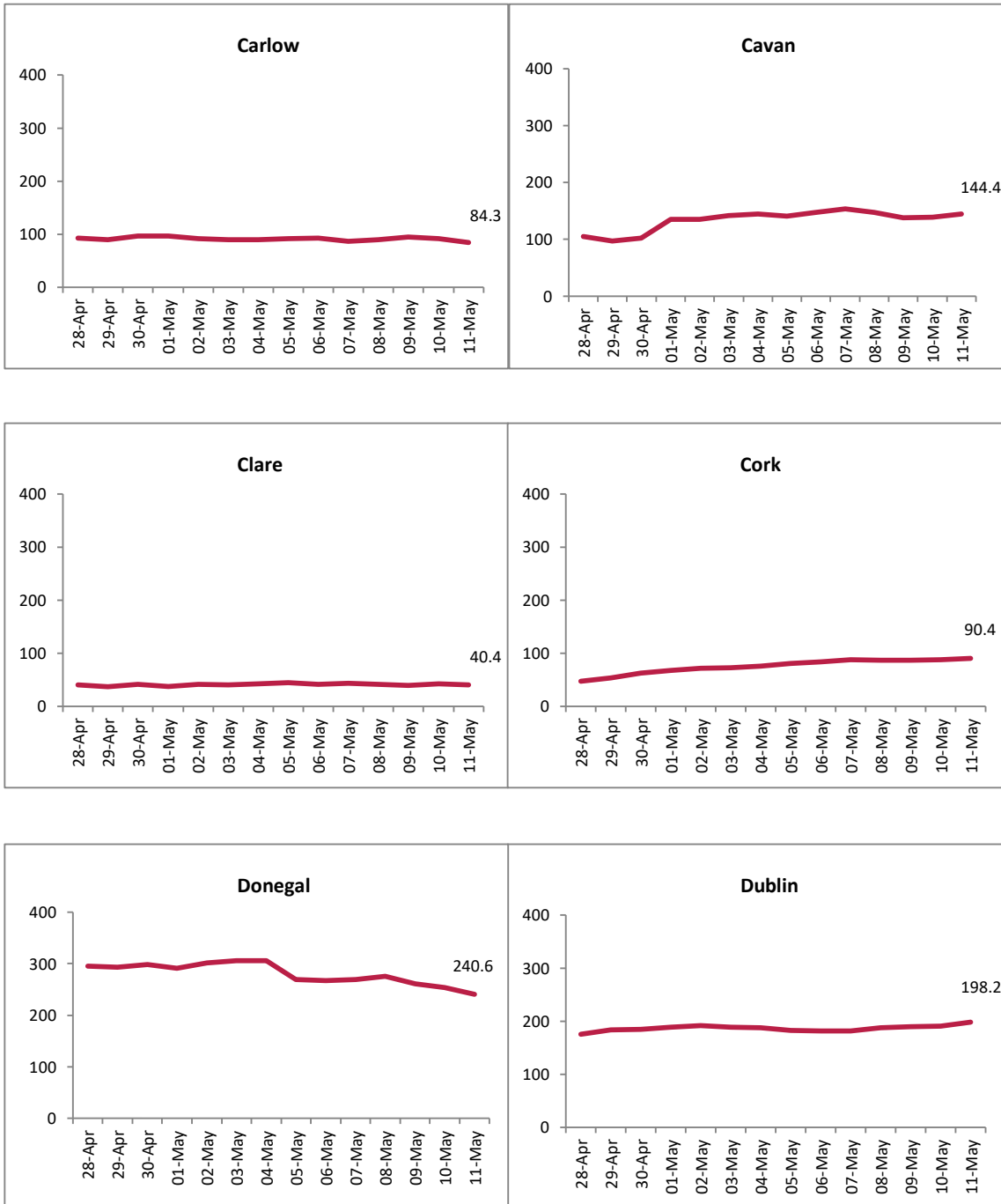
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

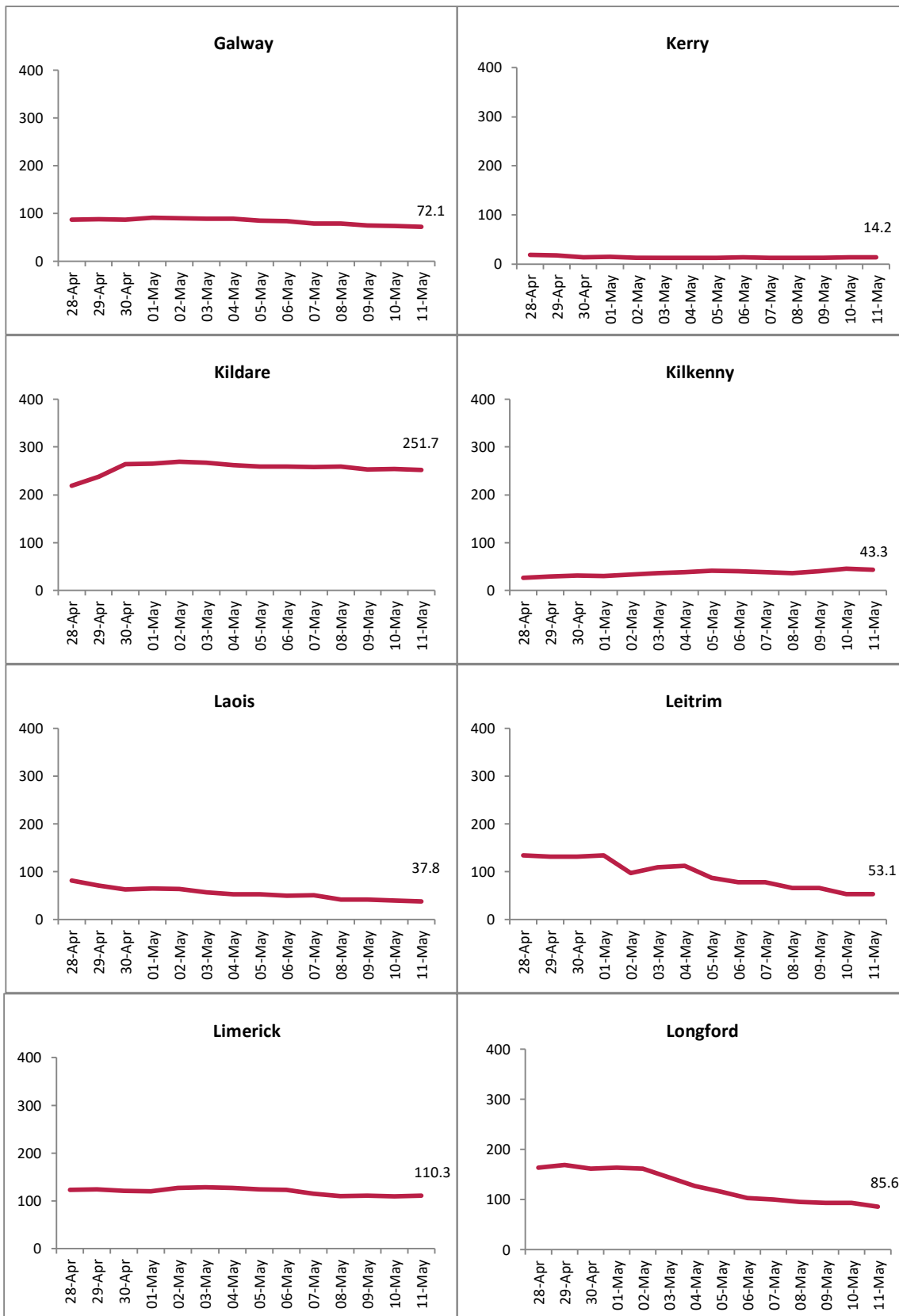
WHO definition of transmission classification is specified below:

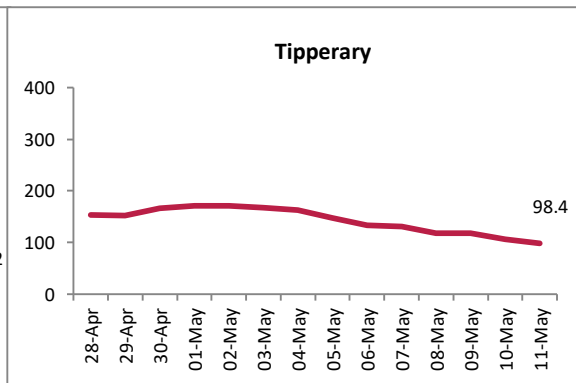
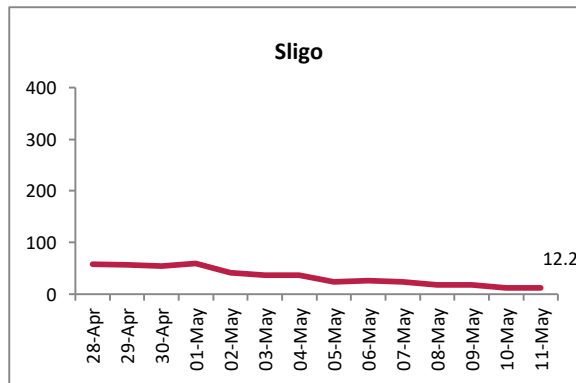
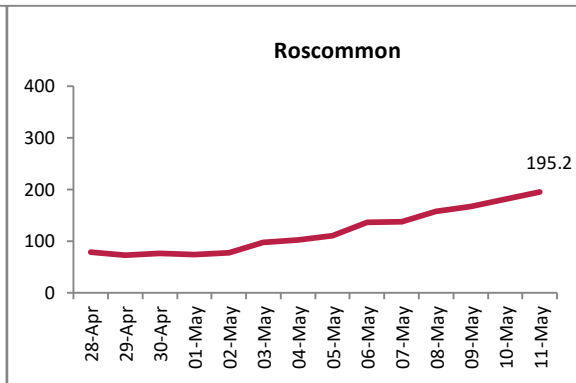
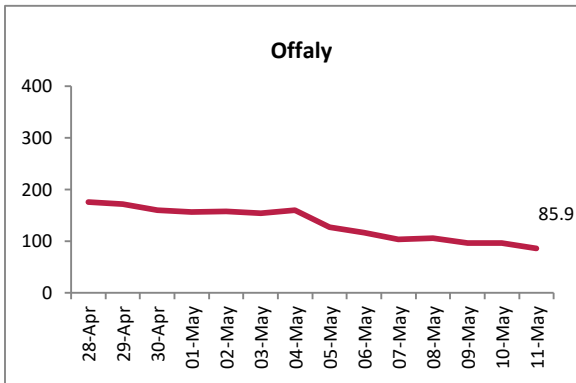
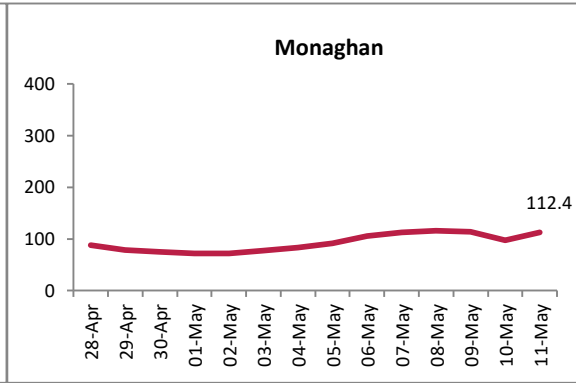
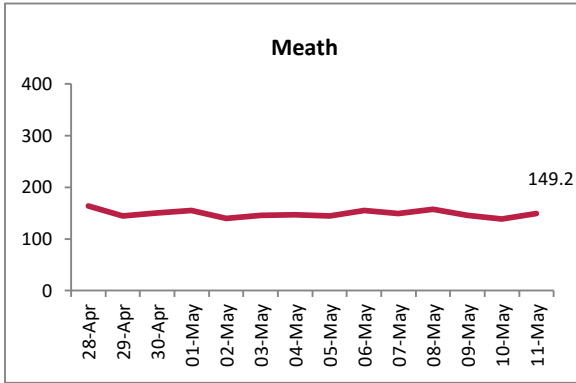
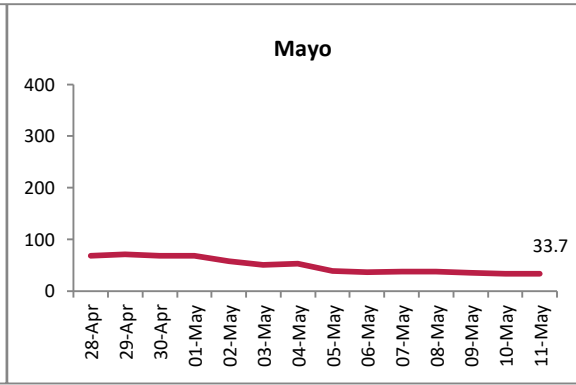
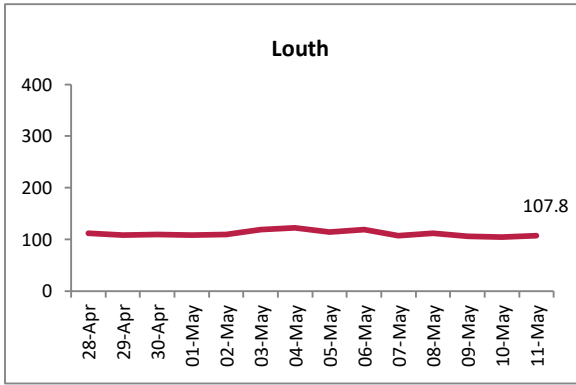
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

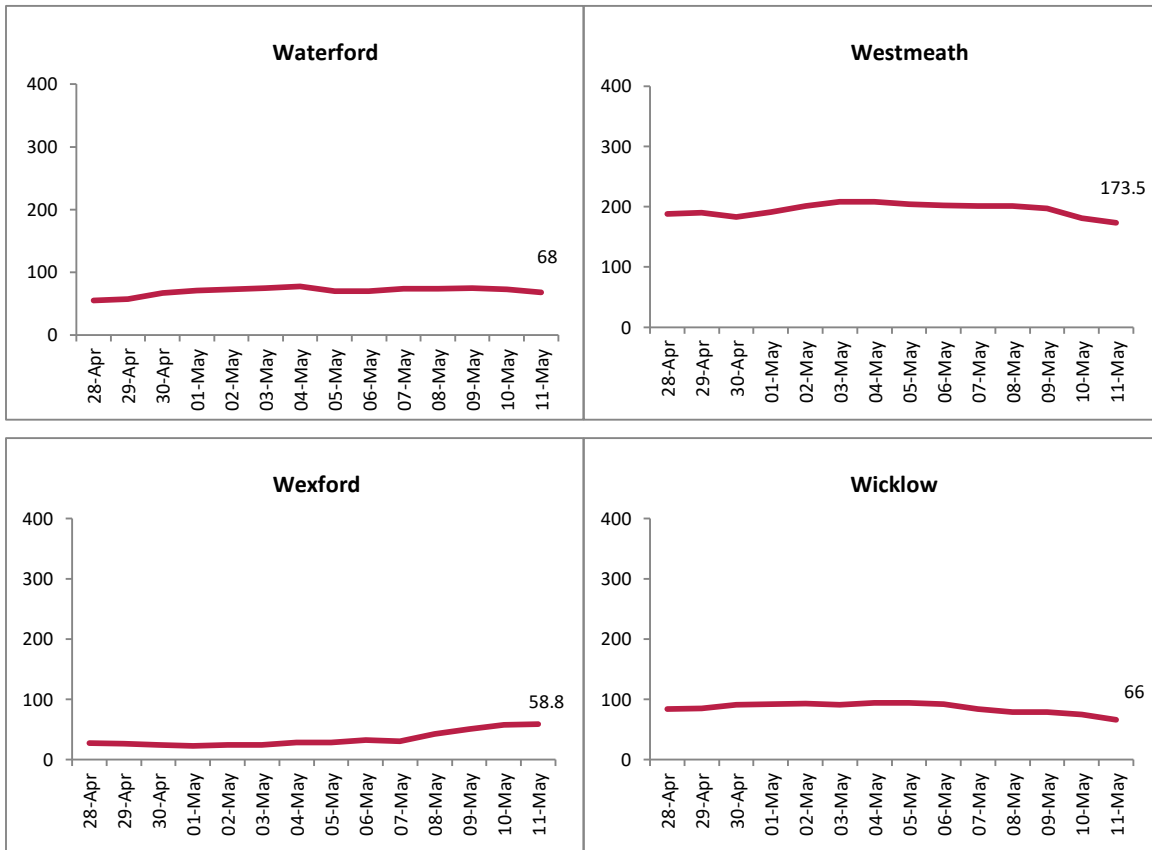
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (28/04/2021 to 11/05/2021)









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