



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 06/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/04/2021 up to midnight 05/05/2021

	Number	Percent
Total number of confirmed cases	6,178	
National incidence of confirmed cases per 100,000 population	129.74	
Number of cases hospitalised*	165	2.67
Number of cases admitted to ICU*	14	0.23
Number of deaths among confirmed cases [^]	4	0.06
Case fatality ratio (CFR, %)	0.06	
National incidence of confirmed deaths per 100,000 population	0.08	
Number of cases** associated with clusters	1,696	27.45
Number of imported cases	49	0.79
Number of cases in healthcare workers	133	2.15
Males	3,118	50.47
Females	3,042	49.24
M:F ratio	1.02	
Median age (years)	29	
Mean age (years)	30	
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 22/04/2021 - 05/05/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:54 on 06/05/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

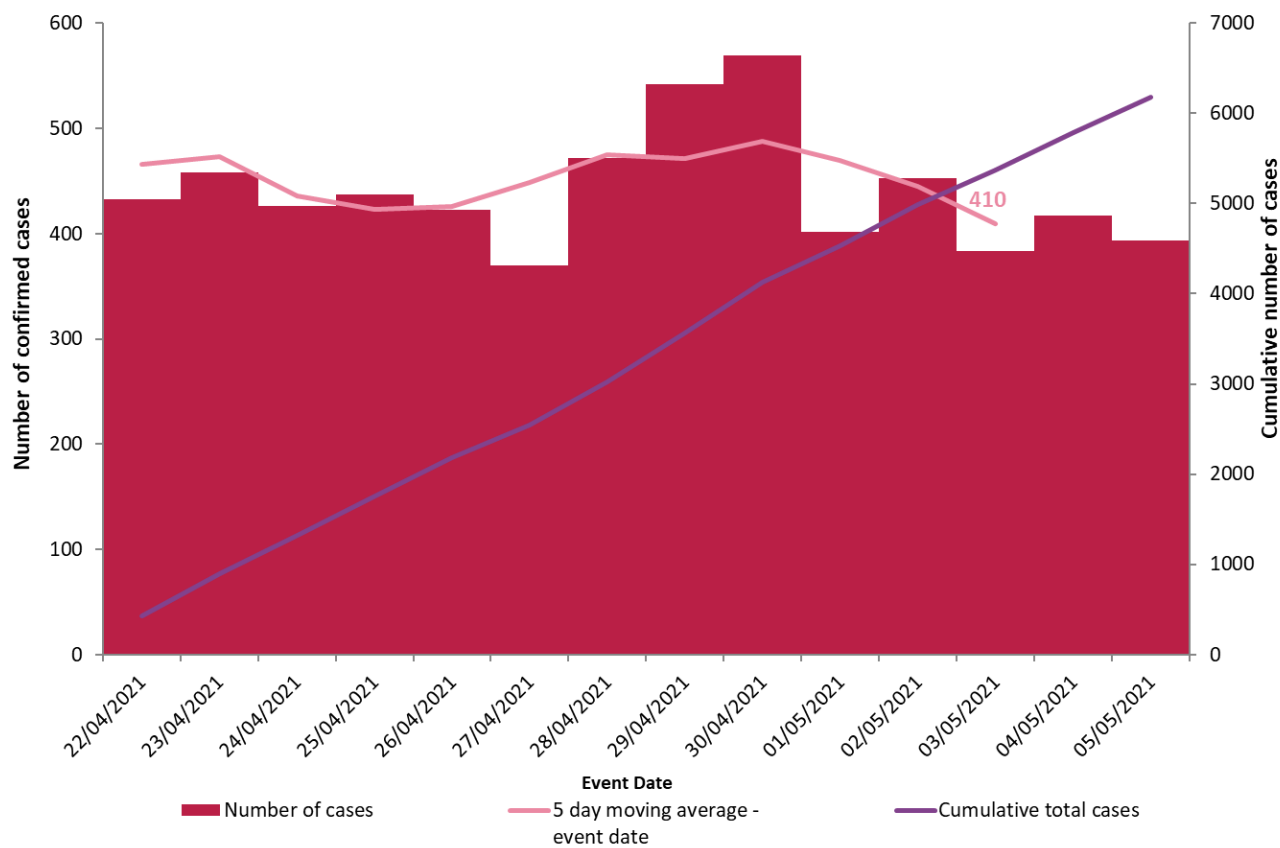


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,178)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/04/2021 up to midnight on 05/05/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,178	100
Sex	Male:Female ratio	1.02	
	Male	3,118	50.47
	Female	3,042	49.24
	Unknown	18	0.29
Age	Median age (years)	29	
	Mean age (years)	30	
	Age range (years)	0 - 96	
	0-4 yrs	400	6.47
	5-12 yrs	809	13.09
	13-18 yrs	728	11.78
	19-24 yrs	729	11.8
	25-34 yrs	985	15.94
	35-44 yrs	1,061	17.17
	45-54 yrs	815	13.19
	55-64 yrs	404	6.54
	65-74 yrs	172	2.78
	75-84 yrs	57	0.92
	85+ yrs	17	0.28
	Unknown	1	0.02
Symptom status at time of test*	Yes	3,438	55.65
	No	1,428	23.11
	Unknown	1,312	21.24

*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 22/04/2021 to midnight 05/05/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	637	162.8
CHO2	350	77.2
CHO3	476	123.6
CHO4	459	66.5
CHO5	269	52.7
CHO6	483	126.1
CHO7	1,431	202.2
CHO8	798	128.9
CHO9	1,272	204.7
Unknown	3	
Total	6,178	129.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/04/2021 to midnight 05/05/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (01/05/2021-05/05/2021)
Donegal	430	270.1	27
Kildare	579	260.2	34
Westmeath	178	200.5	11
Dublin	2,472	183.5	171
Tipperary	237	148.5	13
Meath	280	143.6	17
Cavan	106	139.2	10
Offaly	101	129.6	6
Limerick	244	125.2	14
Longford	47	115.0	2
Louth	147	114.1	12
Roscommon	72	111.6	7
Wicklow	136	95.5	7
Monaghan	56	91.2	3
Leitrim	28	87.4	2
Carlow	49	86.1	3
Galway	219	84.9	11
Cork	440	81.1	33
Waterford	83	71.4	5
Laois	45	53.1	3
Mayo	59	45.2	4
Clare	52	43.8	3
Kilkenny	39	39.3	3
Wexford	43	28.7	4
Sligo	17	25.9	1
Kerry	19	12.9	2
Total	6,178	129.7	410

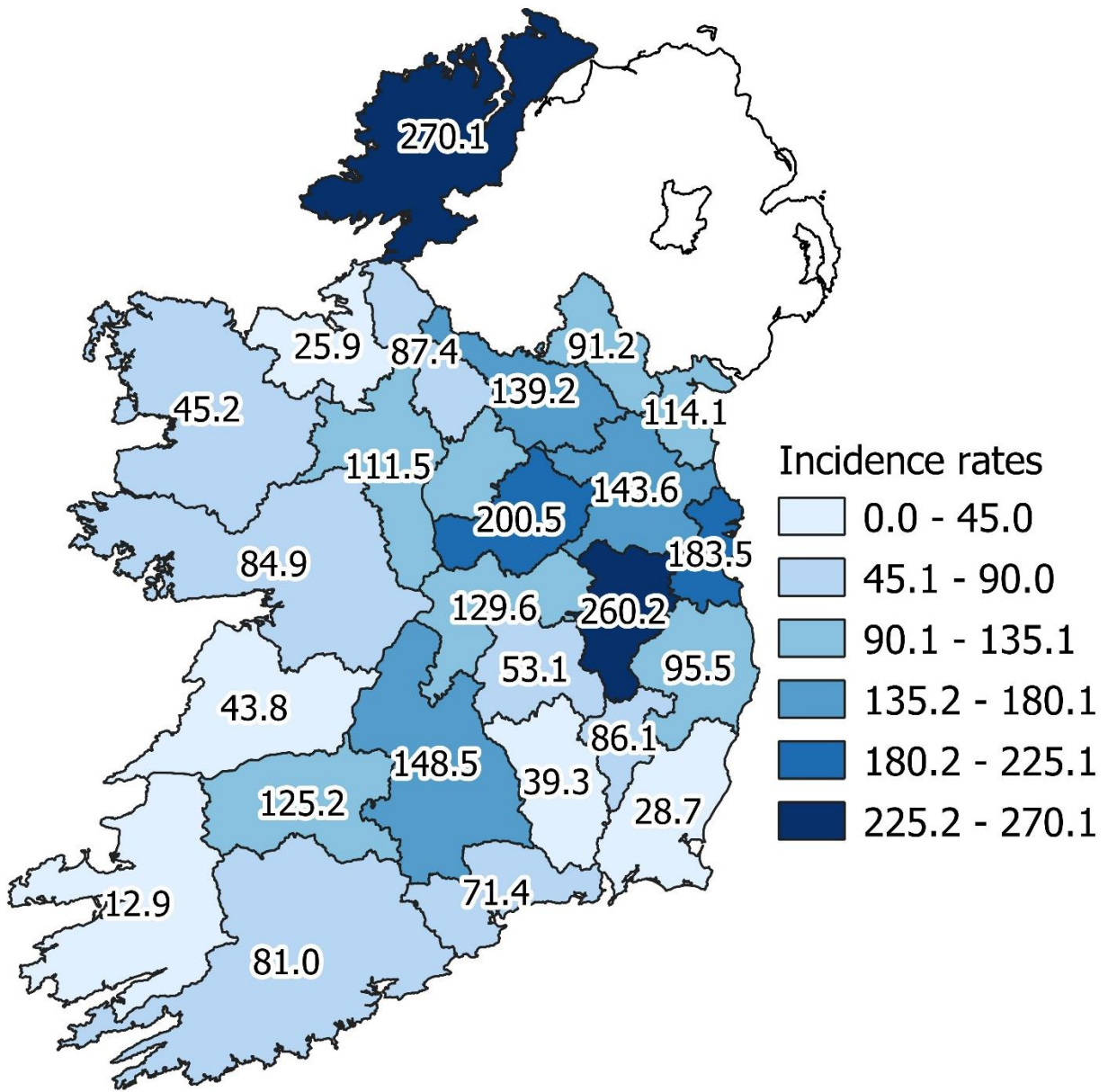


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/04/2021 and 05/05/2021

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

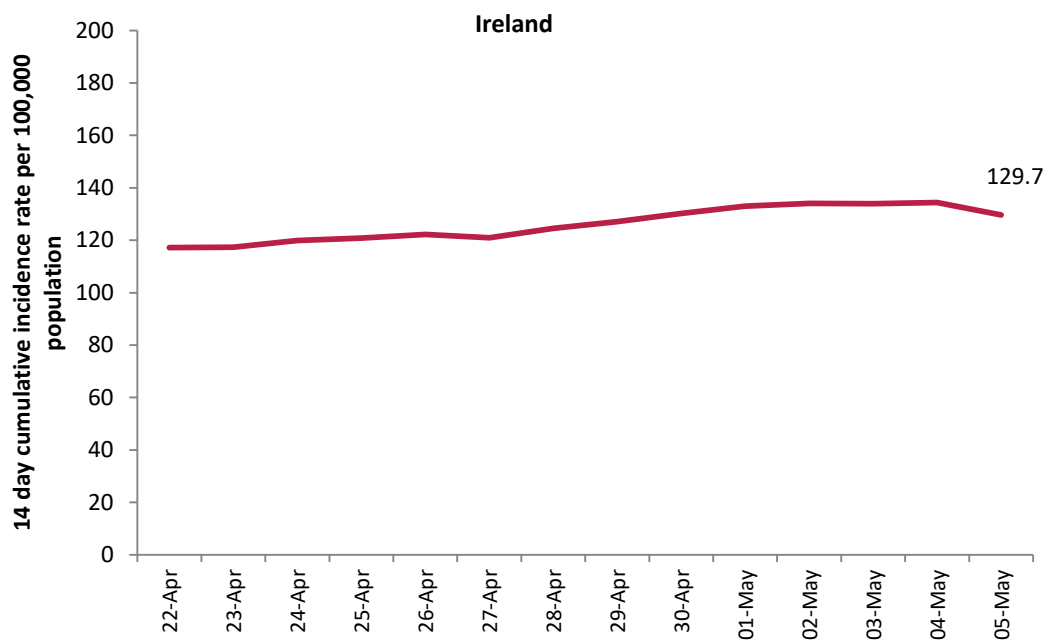


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (22/04/2021 to 05/05/2021)

*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 22/04/2021 to midnight 05/05/2021.

Most likely transmission source	Number of cases	Percent
Travel related*	193	3.12%
Close contact with a known confirmed case	3,992	64.62%
Healthcare setting acquired: patient	27	0.44%
Healthcare setting acquired: staff	21	0.34%
Community transmission	923	14.94%
Under investigation	1,022	16.54%
Total	6,178	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 22/04/2021 to midnight 05/05/2021 by age group, hospitalisation and ICU admission*.

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-4 yrs	400	6	3.64	0
5-12 yrs	809	10	6.06	<5
13-18 yrs	728	6	3.64	0
19-24 yrs	729	8	4.85	<5
25-34 yrs	985	21	12.73	<5
35-44 yrs	1061	26	15.76	<5
45-54 yrs	815	26	15.76	<5
55-64 yrs	404	21	12.73	<5
65-74 yrs	172	24	14.55	<5
75-84 yrs	57	11	6.67	0
85+ yrs	17	5	3.03	0
Unknown	1	1	0.61	0
Total	6,178	165	100	14

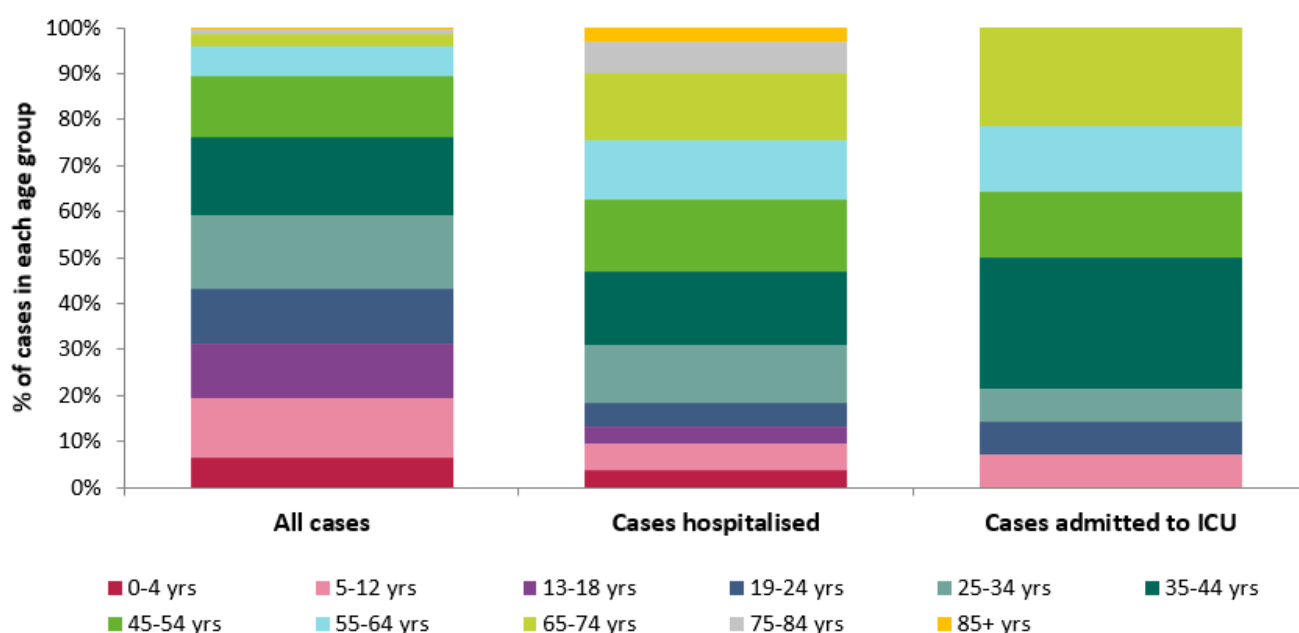


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 22/04/2021 to midnight 05/05/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 22/04/2021 up to midnight 05/05/2021

	Number	Percent
Total number of deaths	7	
Confirmed	4	57.14
Probable	1	14.29
Possible	2	28.57
Total number of cases hospitalised	3	42.86
Total number of male cases	3	42.86
M:F ratio	0.75	
Median age (years)	70	
Mean age (years)	73	
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.

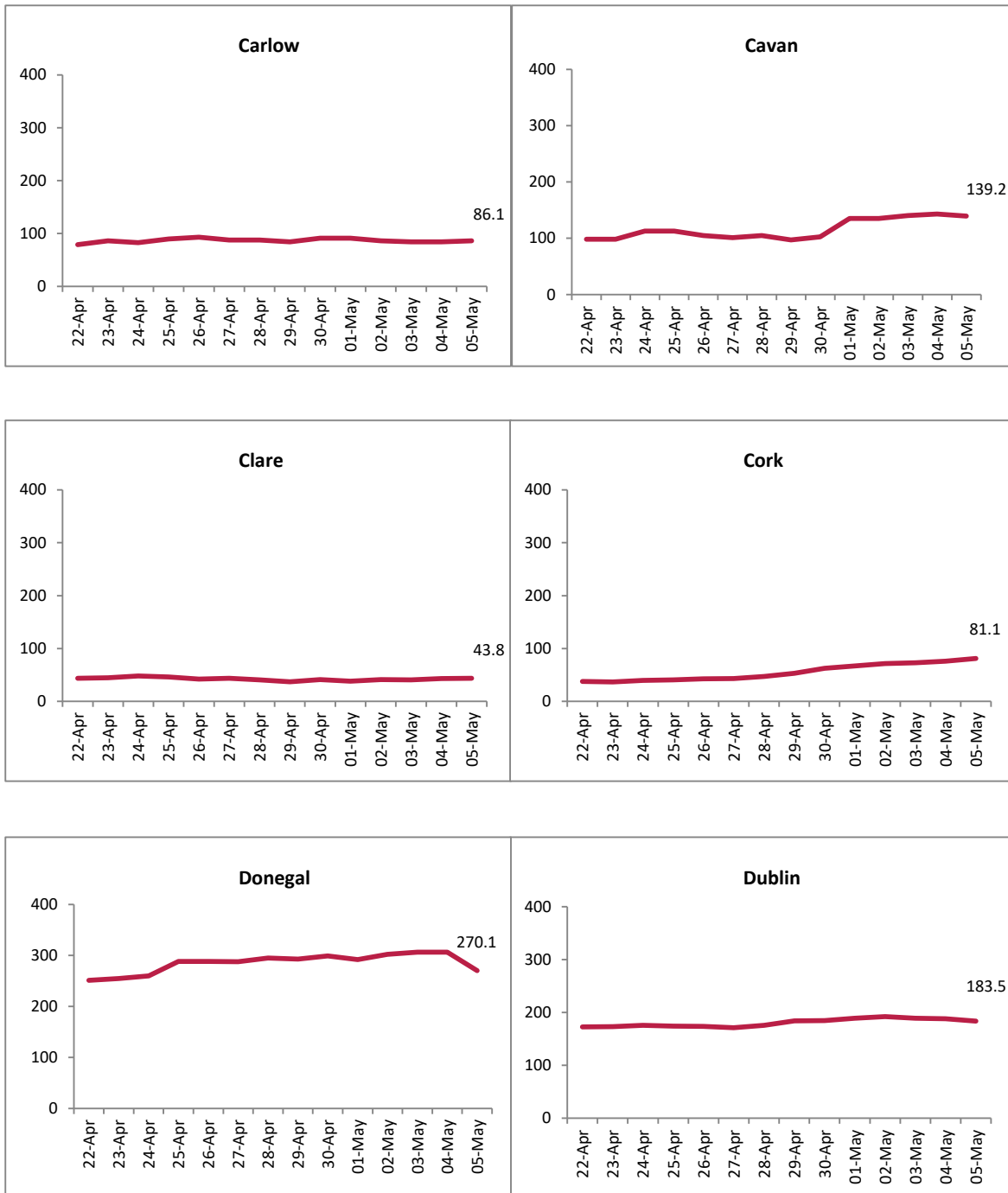
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

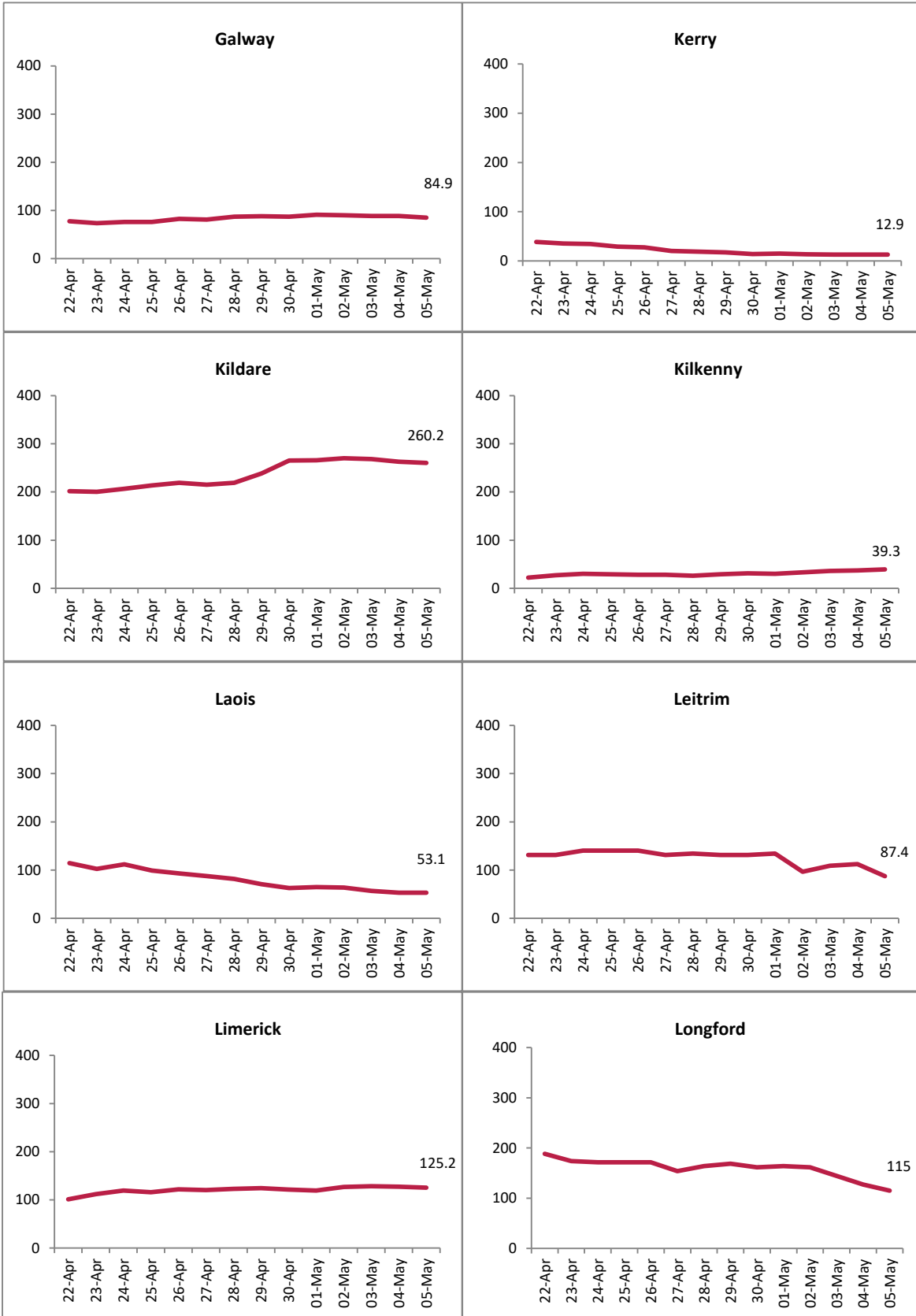
WHO definition of transmission classification is specified below:

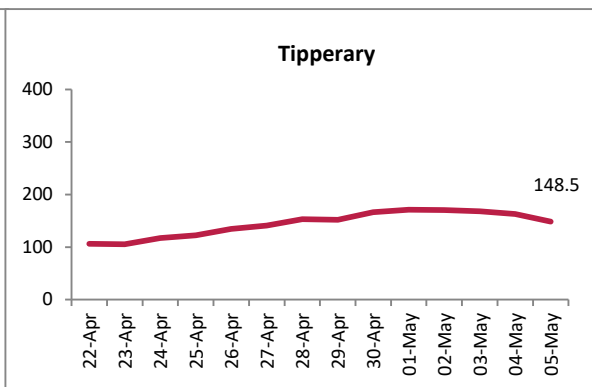
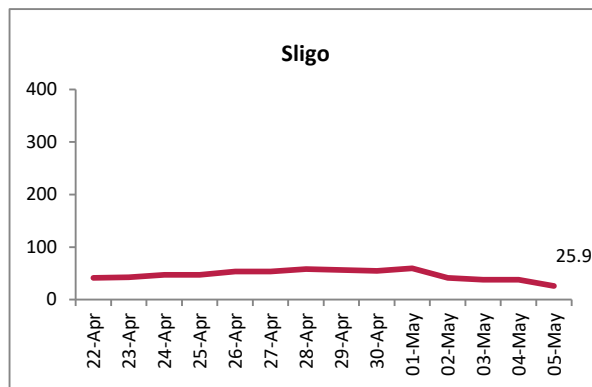
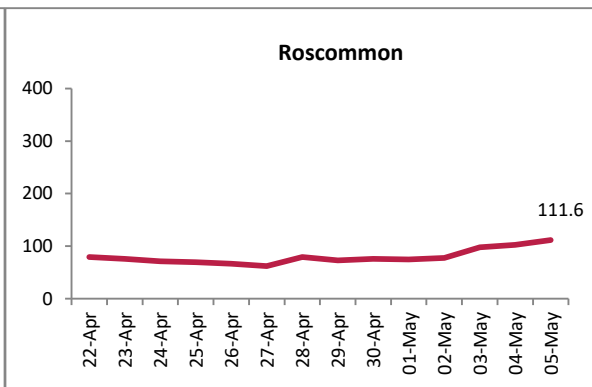
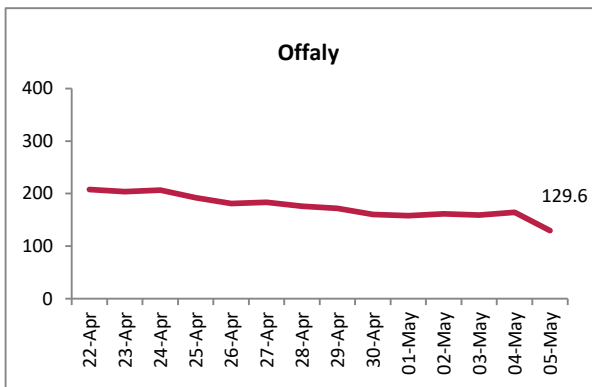
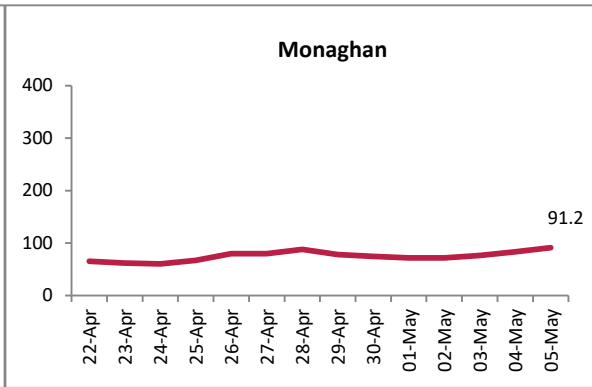
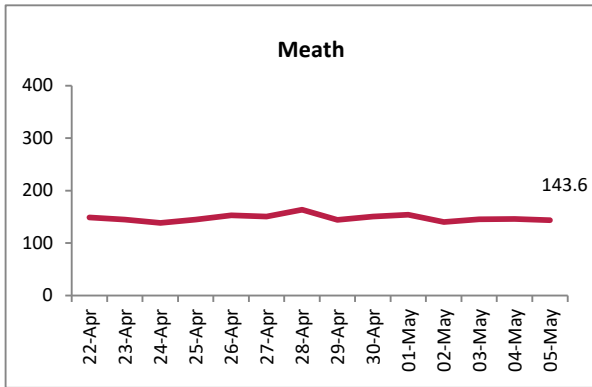
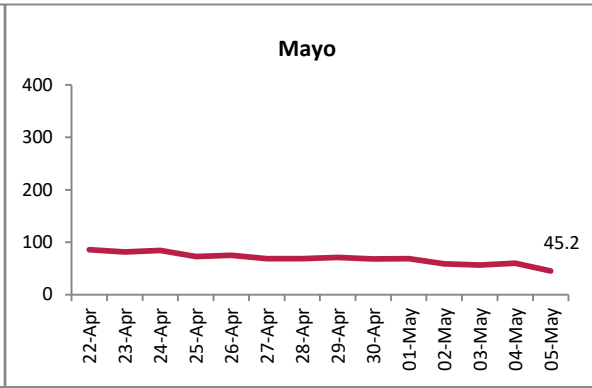
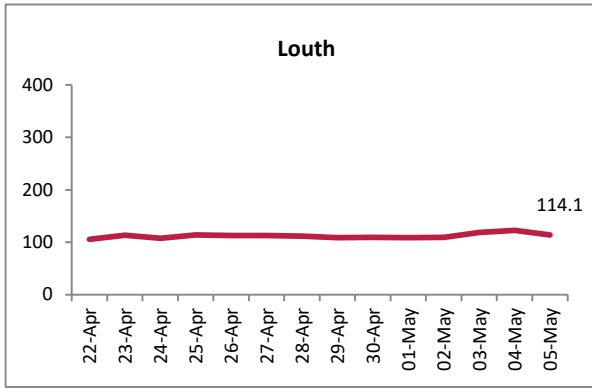
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

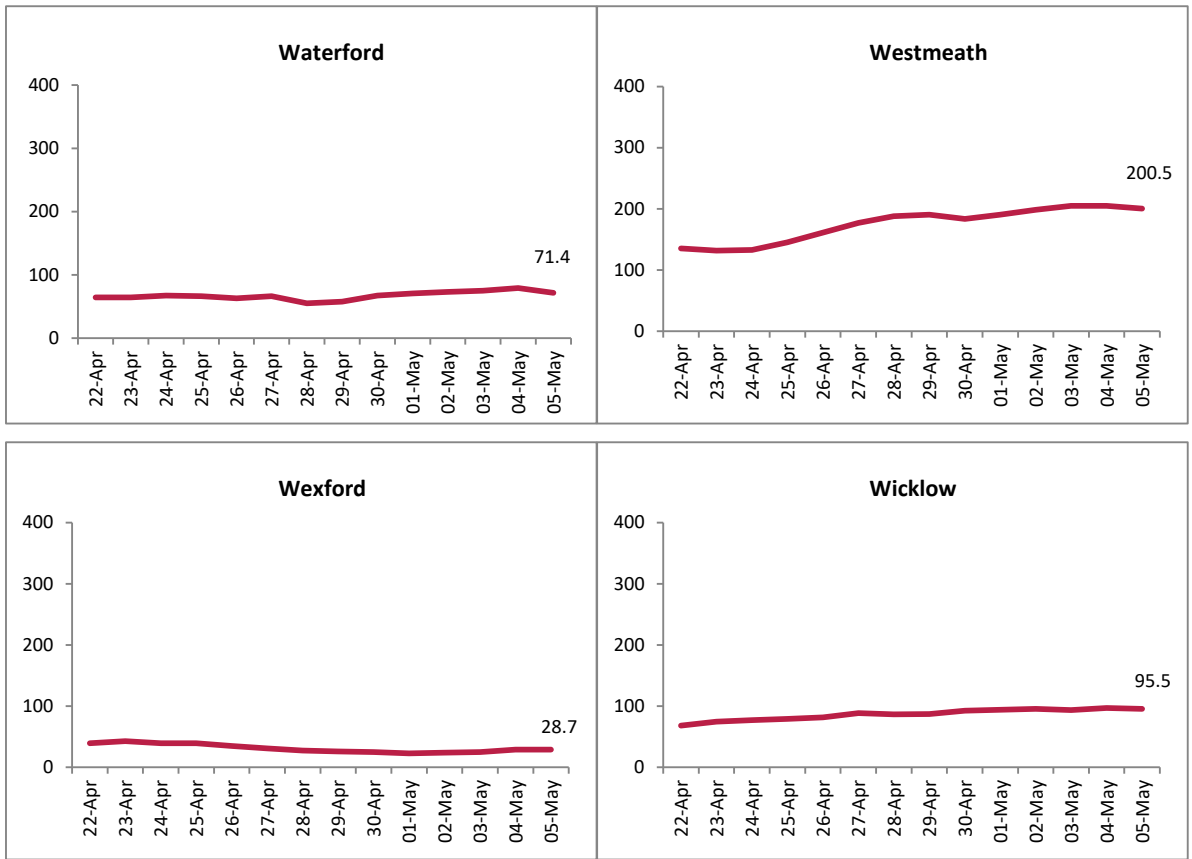
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (22/04/2021 to 05/05/2021)









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