



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 13/05/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/04/2021 up to midnight 12/05/2021

	Number	Percent
Total number of confirmed cases	6,159	
National incidence of confirmed cases per 100,000 population	129.34	
Number of cases hospitalised*	125	2.03
Number of cases admitted to ICU*	2	0.03
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	1,641	26.64
Number of imported cases	91	1.48
Number of cases in healthcare workers	134	2.18
Males	3,084	50.07
Females	3,065	49.76
M:F ratio	1.01	
Median age (years)	29	
Mean age (years)	30	
Age range (years)	0 - 94	

* 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 29/04/2021 - 12/05/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:47 on 13/05/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

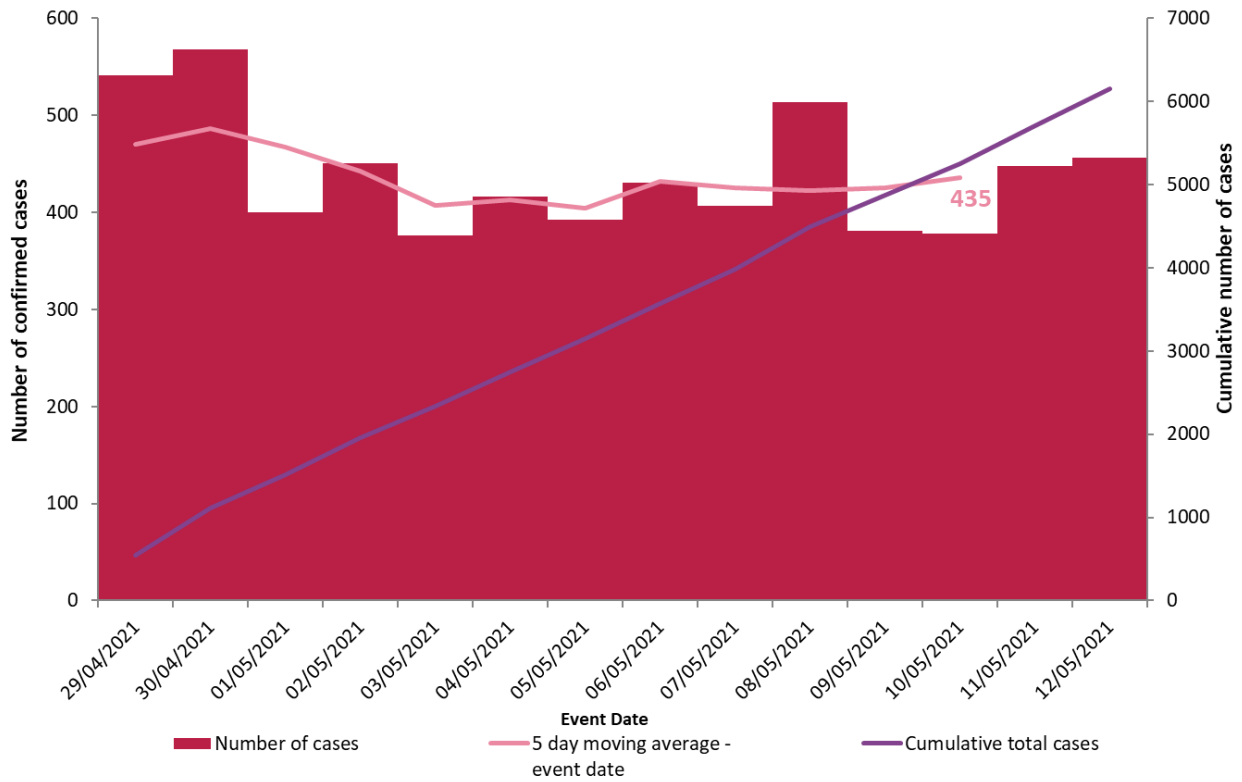


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,159)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 29/04/2021 up to midnight on 12/05/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,159	100
Sex	Male:Female ratio	1.01	
	Male	3,084	50.07
	Female	3,065	49.76
	Unknown	10	0.16
Age	Median age (years)	29	
	Mean age (years)	30	
	Age range (years)	0 - 94	
	0-4 yrs	375	6.09
	5-12 yrs	881	14.3
	13-18 yrs	626	10.16
	19-24 yrs	713	11.58
	25-34 yrs	1,072	17.41
	35-44 yrs	1,127	18.3
	45-54 yrs	789	12.81
	55-64 yrs	373	6.06
	65-74 yrs	156	2.53
	75-84 yrs	41	0.67
	85+ yrs	6	0.1
Symptom status at time of test*	Yes	3,460	56.18
	No	1,378	22.37
	Unknown	1,321	21.45

*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 29/04/2021 to midnight 12/05/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (08/05/2021-12/05/2021)
Kildare	564	253.5	38
Donegal	396	248.8	32
Dublin	2,688	199.5	204
Roscommon	121	187.5	10
Westmeath	147	165.6	9
Meath	276	141.5	20
Cavan	106	139.2	5
Louth	143	111.0	8
Monaghan	68	110.8	6
Limerick	213	109.3	16
Cork	507	93.4	29
Carlow	49	86.1	4
Tipperary	135	84.6	5
Offaly	65	83.4	4
Longford	28	68.5	1
Wicklow	95	66.7	4
Galway	172	66.7	11
Waterford	76	65.4	3
Wexford	97	64.8	11
Kilkenny	47	47.4	4
Laois	35	41.3	2
Clare	49	41.2	3
Leitrim	13	40.6	1
Mayo	43	32.9	3
Kerry	20	13.5	1
Sligo	6	9.2	0
Total	6,159	129.3	435

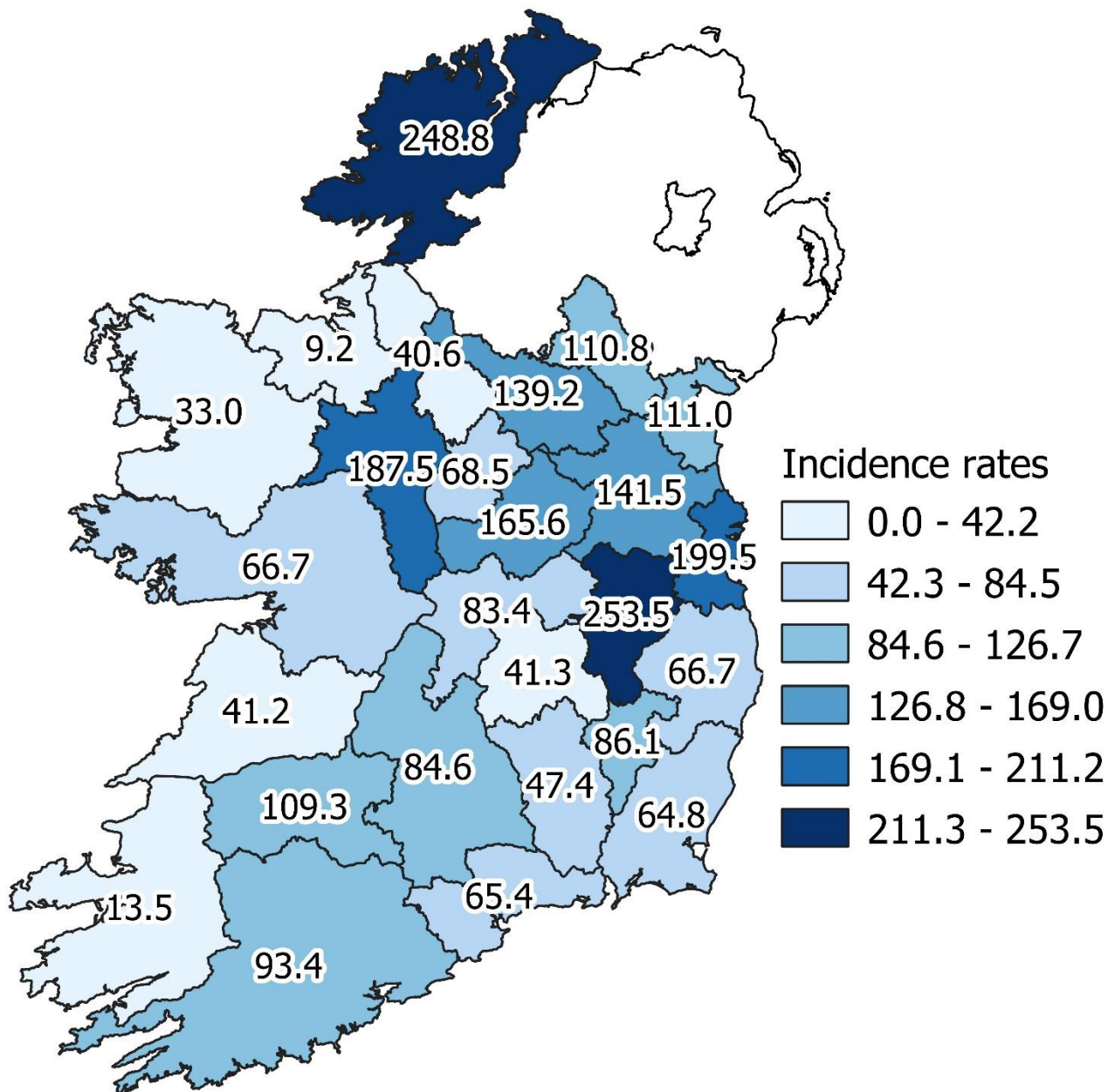


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 29/04/2021 and 12/05/2021

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

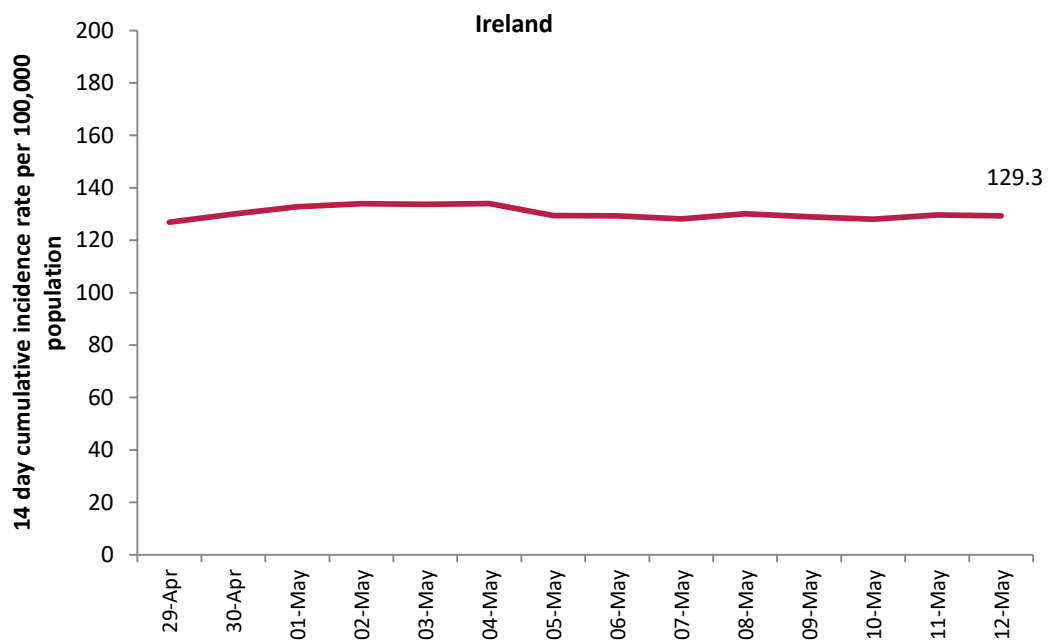


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (29/04/2021 to 12/05/2021)

*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 29/04/2021 to midnight 12/05/2021

Most likely transmission source	Number of cases	Percent
Travel related *	247	4.01%
Close contact with a known confirmed case	3,904	63.39%
Healthcare setting acquired: patient	21	0.34%
Healthcare setting acquired: staff	14	0.23%
Community transmission	881	14.30%
Under investigation	1,092	17.73%
Total	6,159	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 29/04/2021 to midnight 12/05/2021 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	375	11	8.8	-
5-12 yrs	881	<5	-	-
13-18 yrs	626	<5	-	-
19-24 yrs	713	5	4	-
25-34 yrs	1072	17	13.6	-
35-44 yrs	1127	21	16.8	-
45-54 yrs	789	16	12.8	-
55-64 yrs	373	12	9.6	-
65-74 yrs	156	23	18.4	-
75-84 yrs	41	10	8	-
85+ yrs	6	<5	-	-
Total	6,159	125	100	2

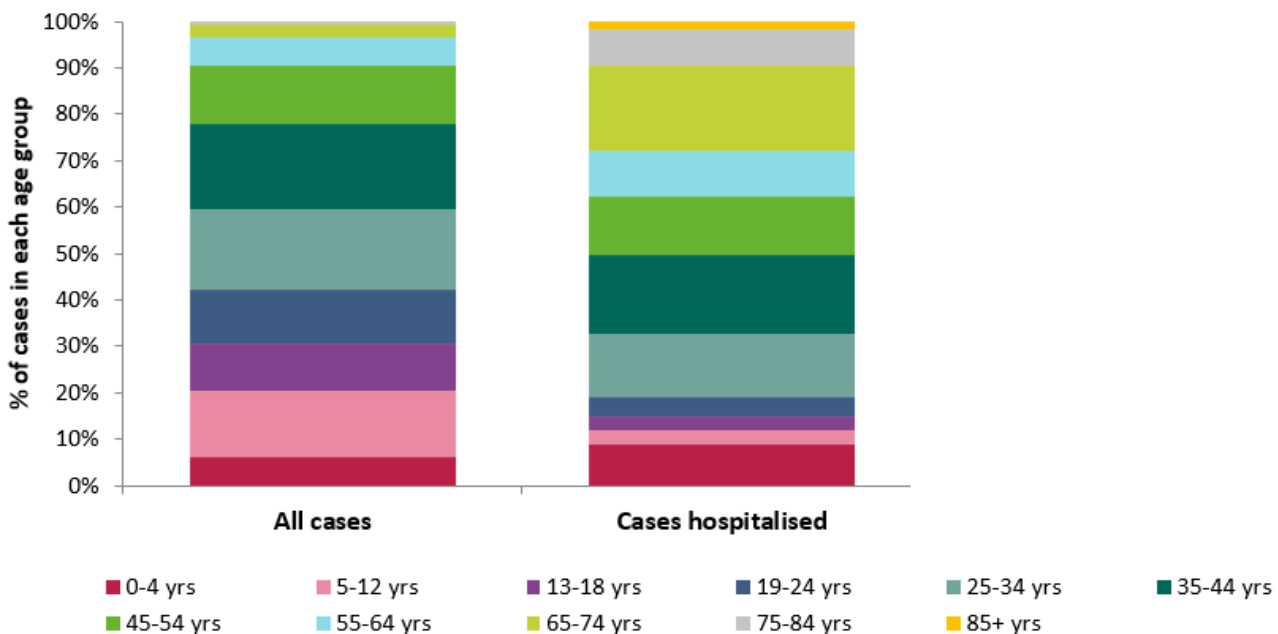


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 29/04/2021 to midnight 12/05/2021 in each age-group, all cases and cases admitted to hospital. Please note that due to small numbers and for confidentiality reasons the ICU cases are not displayed in today's graph.

* 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 29/04/2021 up to midnight 12/05/2021

	Number	Percent	
Total number of deaths	2		
	Confirmed	2	100
Total number of cases hospitalised	1	50	
Total number of male cases	1	50	
M:F ratio	1		
Median age (years)	69		
Mean age (years)	69		
Age range (years)	66 - 72		

[^] 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 07:47 on 13/05/2021. 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.

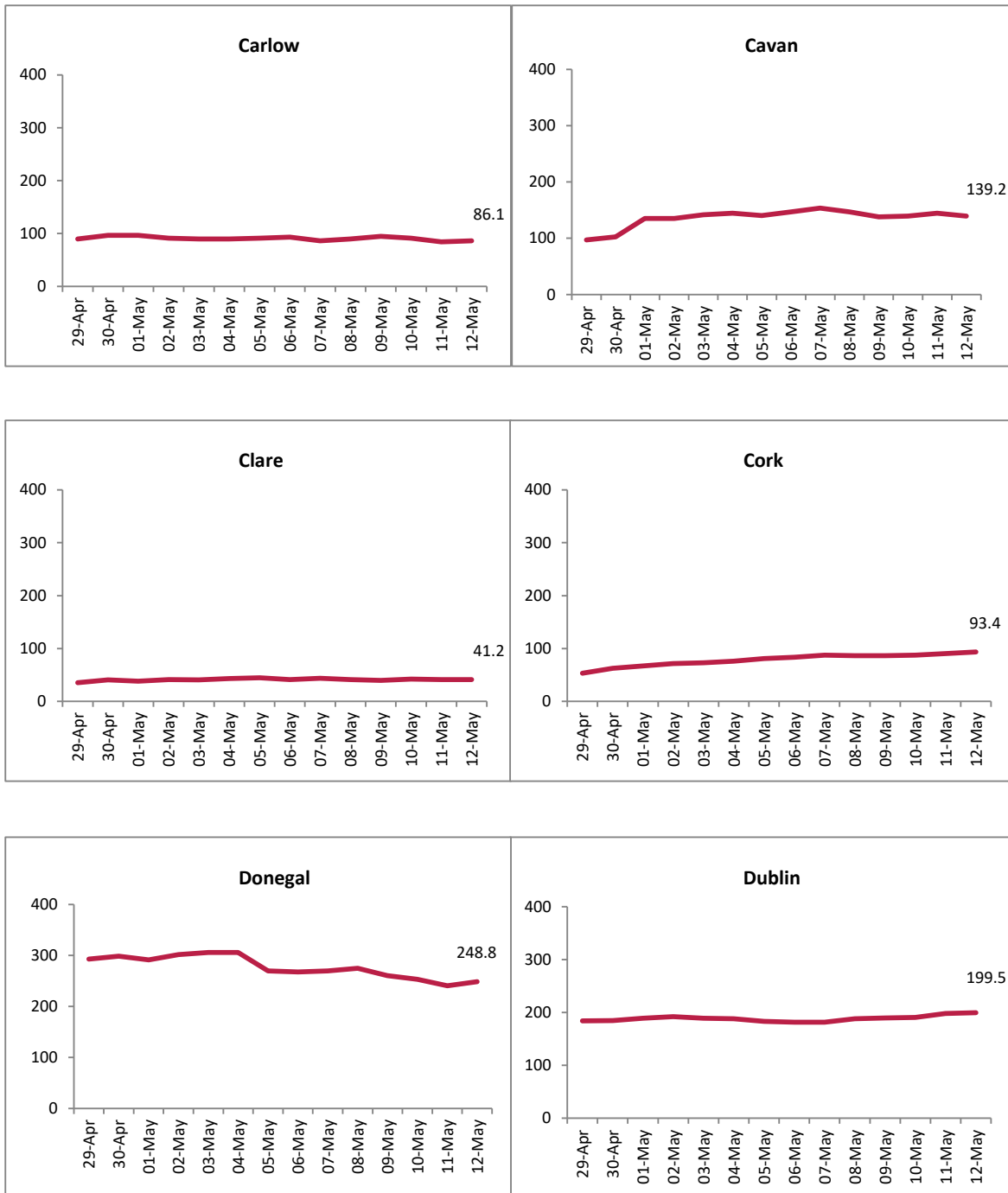
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

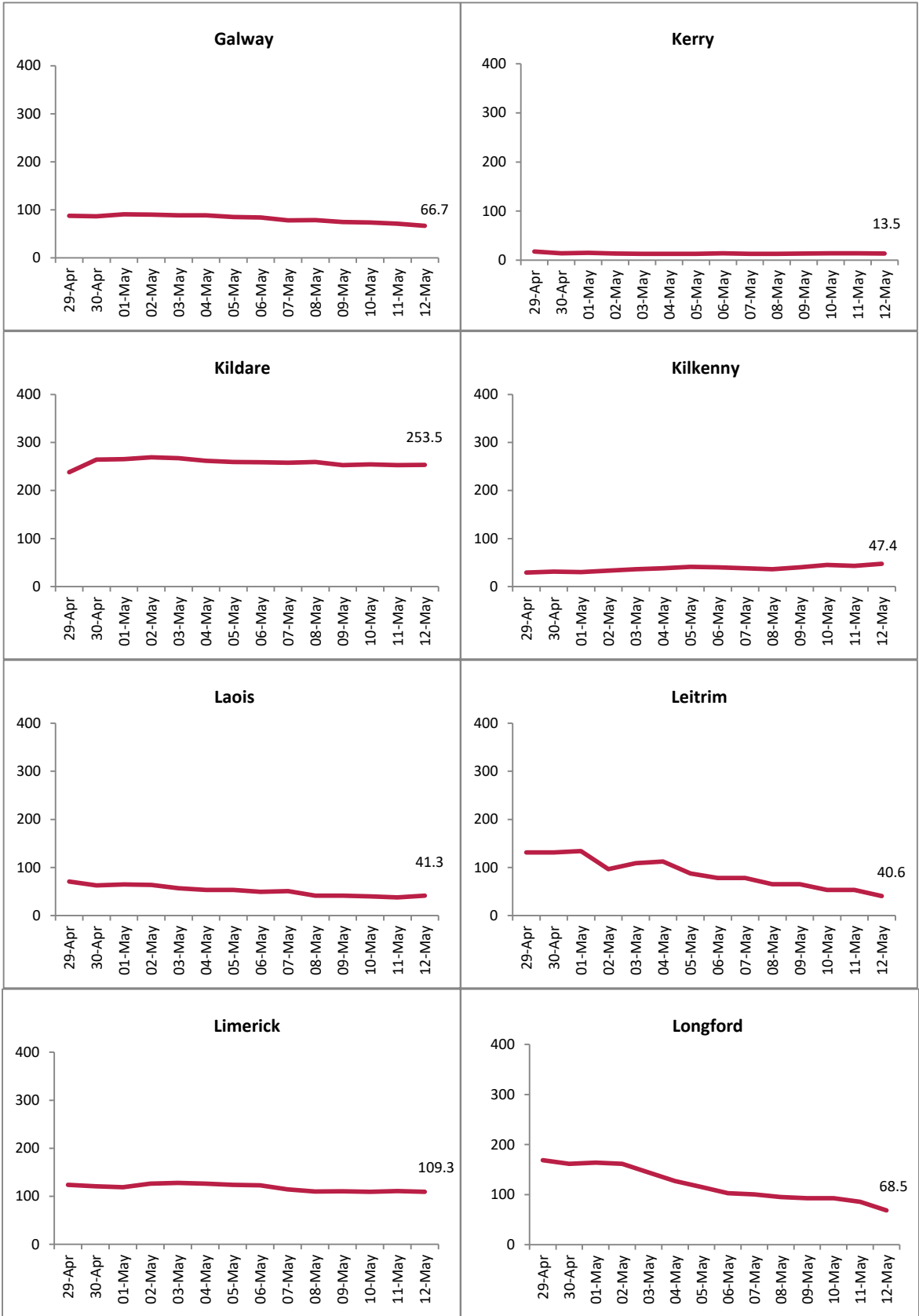
WHO definition of transmission classification is specified below:

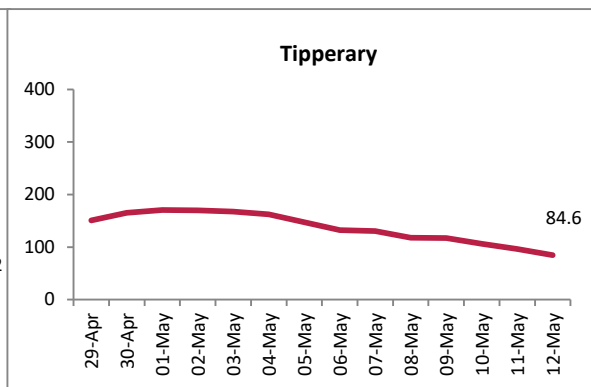
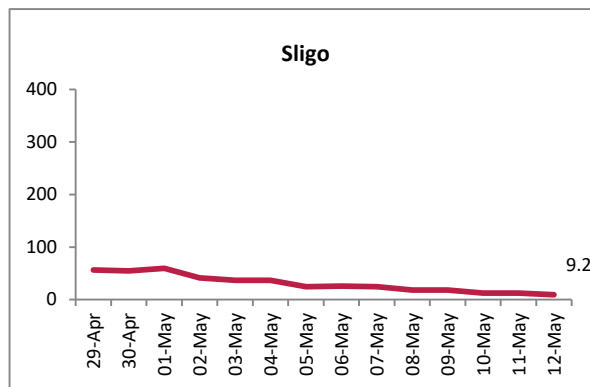
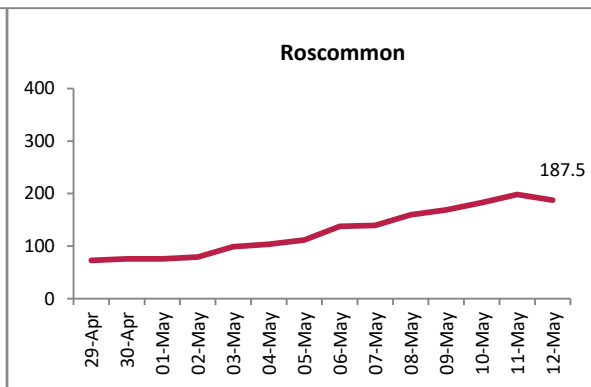
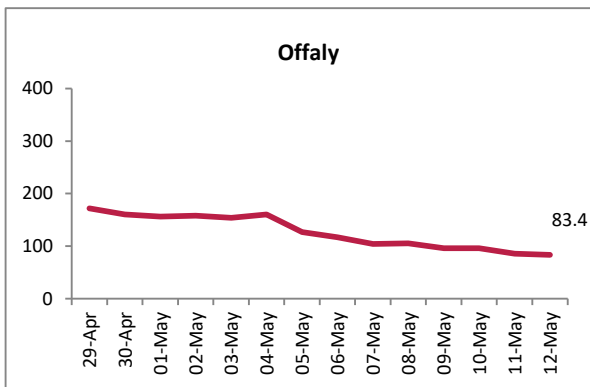
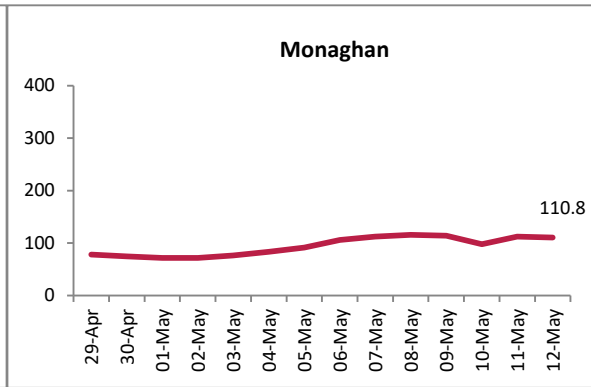
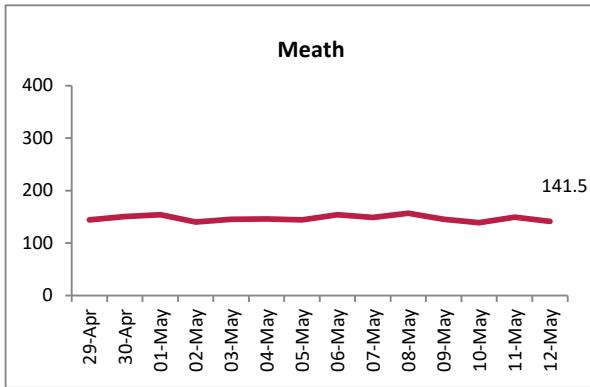
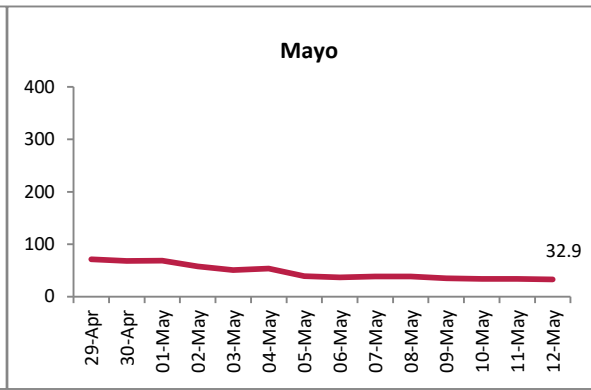
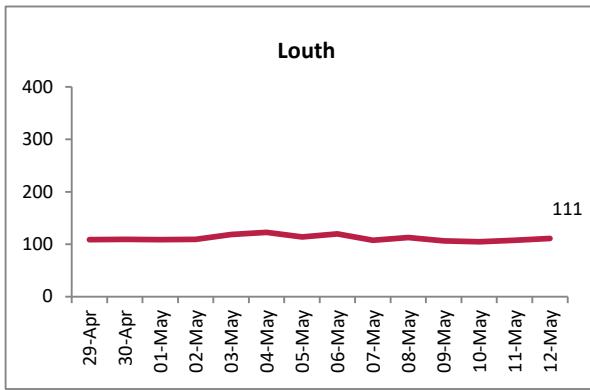
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

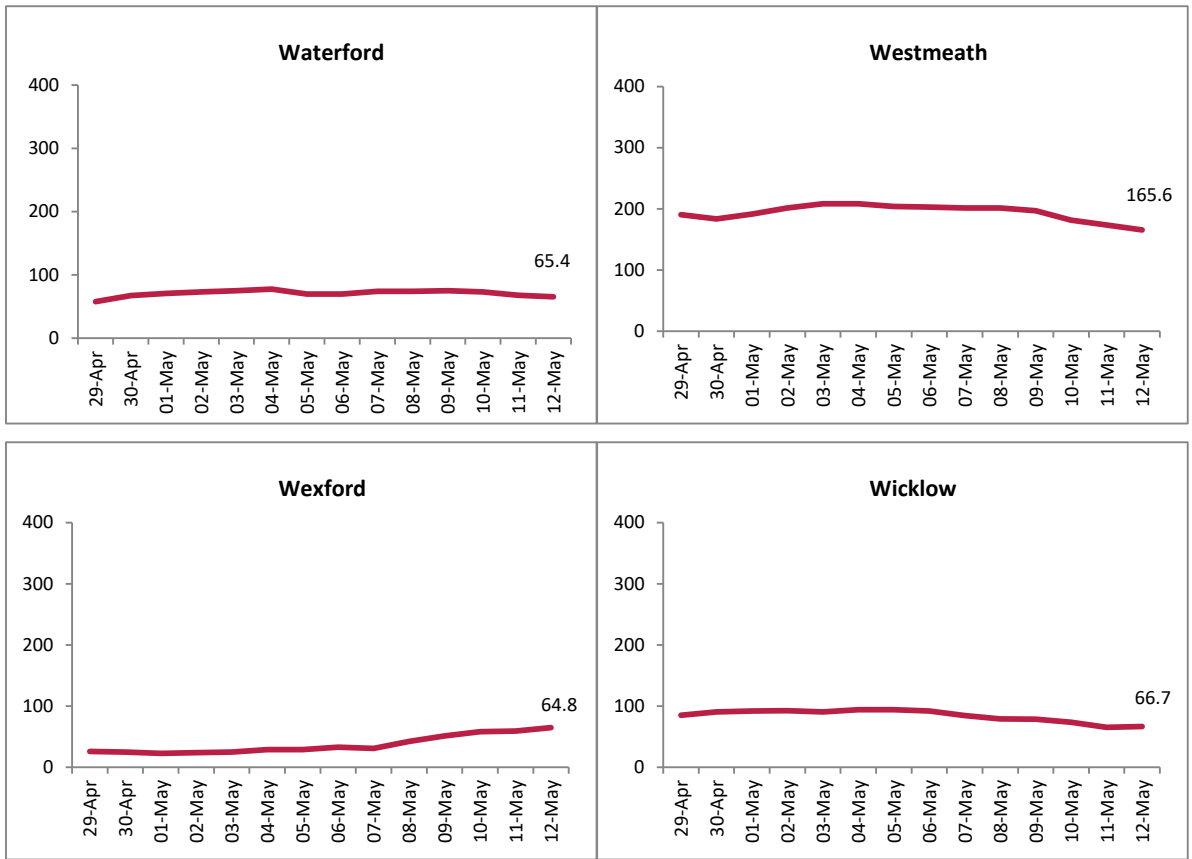
Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (29/04/2021 to 12/05/2021)









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