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Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 16/04/2021

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Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 16/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 02/04/2021 up to midnight 15/04/2021

	Number	Percent
Total number of confirmed cases	5,666	
National incidence of confirmed cases per 100,000 population	118.99	
Number of cases hospitalised*	212	3.74
Number of cases admitted to ICU*	17	0.3
Number of deaths among confirmed cases [^]	6	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	1,459	25.75
Number of imported cases	45	0.79
Number of cases in healthcare workers	137	2.42
Males	2,853	50.35
Females	2,803	49.47
M:F ratio	1.02	
Median age (years)	32	
Mean age (years)	32	
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 02/04/2021 - 15/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:47 on 16/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

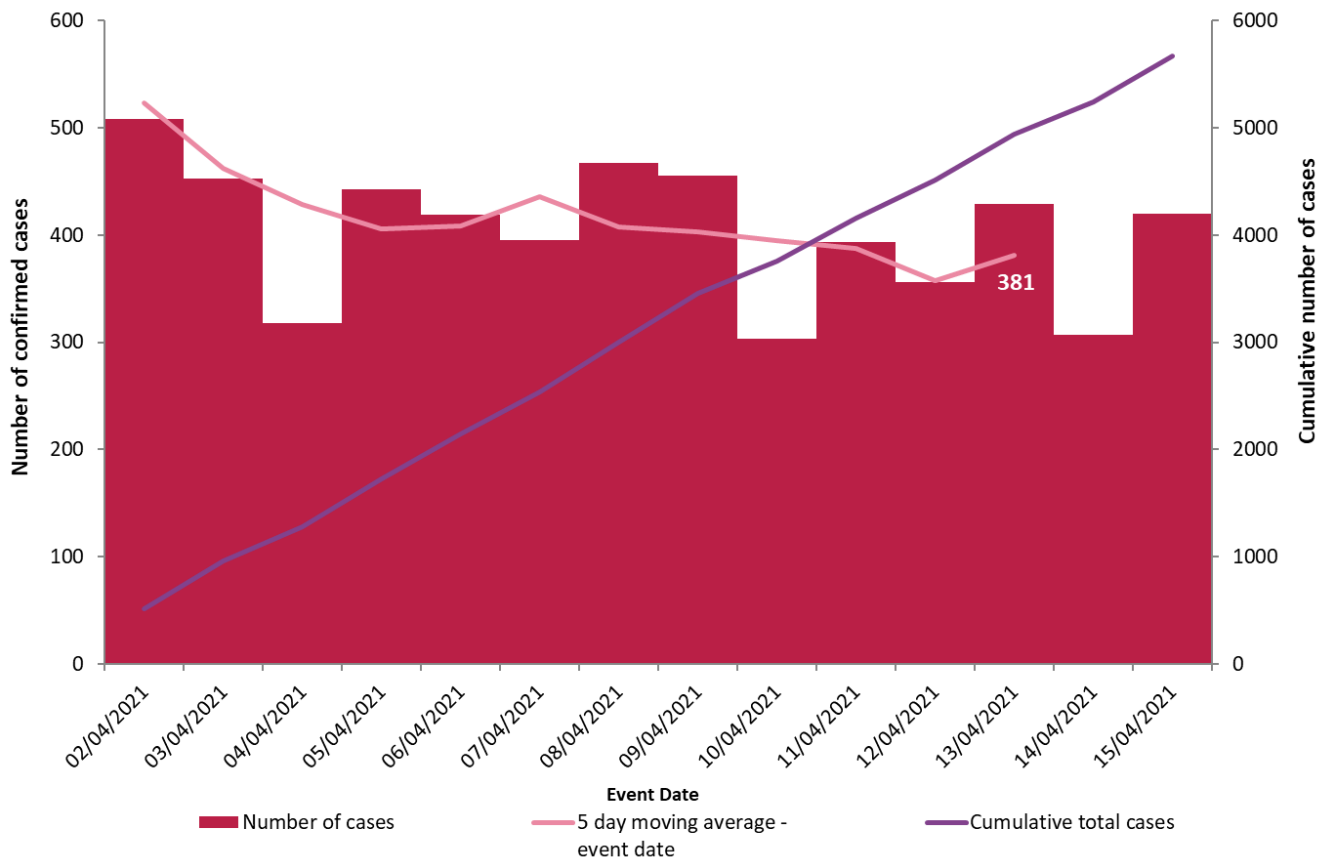


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=5,666)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 02/04/2021 up to midnight on 15/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		5,666	100
Sex	Male:Female ratio	1.02	
	Male	2,853	50.35
	Female	2,803	49.47
	Unknown	10	0.18
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 95	
	0-4 yrs	347	6.12
	5-12 yrs	749	13.22
	13-18 yrs	439	7.75
	19-24 yrs	642	11.33
	25-34 yrs	949	16.75
	35-44 yrs	1,069	18.87
	45-54 yrs	695	12.27
	55-64 yrs	455	8.03
	65-74 yrs	201	3.55
	75-84 yrs	93	1.64
	85+ yrs	27	0.48
Symptom status at time of test*	Yes	2,797	49.36
	No	1,215	21.44
	Unknown	1,654	29.19

*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 02/04/2021 to midnight 15/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	505	129.1
CHO2	399	88.1
CHO3	263	68.3
CHO4	327	47.4
CHO5	269	52.7
CHO6	374	97.6
CHO7	1,091	154.2
CHO8	890	143.7
CHO9	1,547	249.0
Unknown	1	
Total	5,666	119.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 02/04/2021 to midnight 15/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (11/04/2021-15/04/2021)
Offaly	165	211.6	13
Kildare	438	196.9	29
Donegal	303	190.3	29
Dublin	2,449	181.8	150
Laois	136	160.6	9
Meath	277	142.0	19
Cavan	105	137.8	8
Longford	56	137.0	3
Westmeath	117	131.8	6
Louth	139	107.8	9
Monaghan	63	102.6	4
Roscommon	65	100.7	4
Mayo	119	91.2	9
Wicklow	125	87.8	7
Galway	215	83.3	15
Limerick	149	76.4	16
Waterford	84	72.3	9
Leitrim	23	71.8	3
Wexford	101	67.5	6
Tipperary	102	63.9	5
Cork	269	49.6	12
Carlow	28	49.2	4
Kerry	58	39.3	6
Clare	44	37.0	5
Kilkenny	24	24.2	3
Sligo	12	18.3	0
Total	5,666	119.0	381

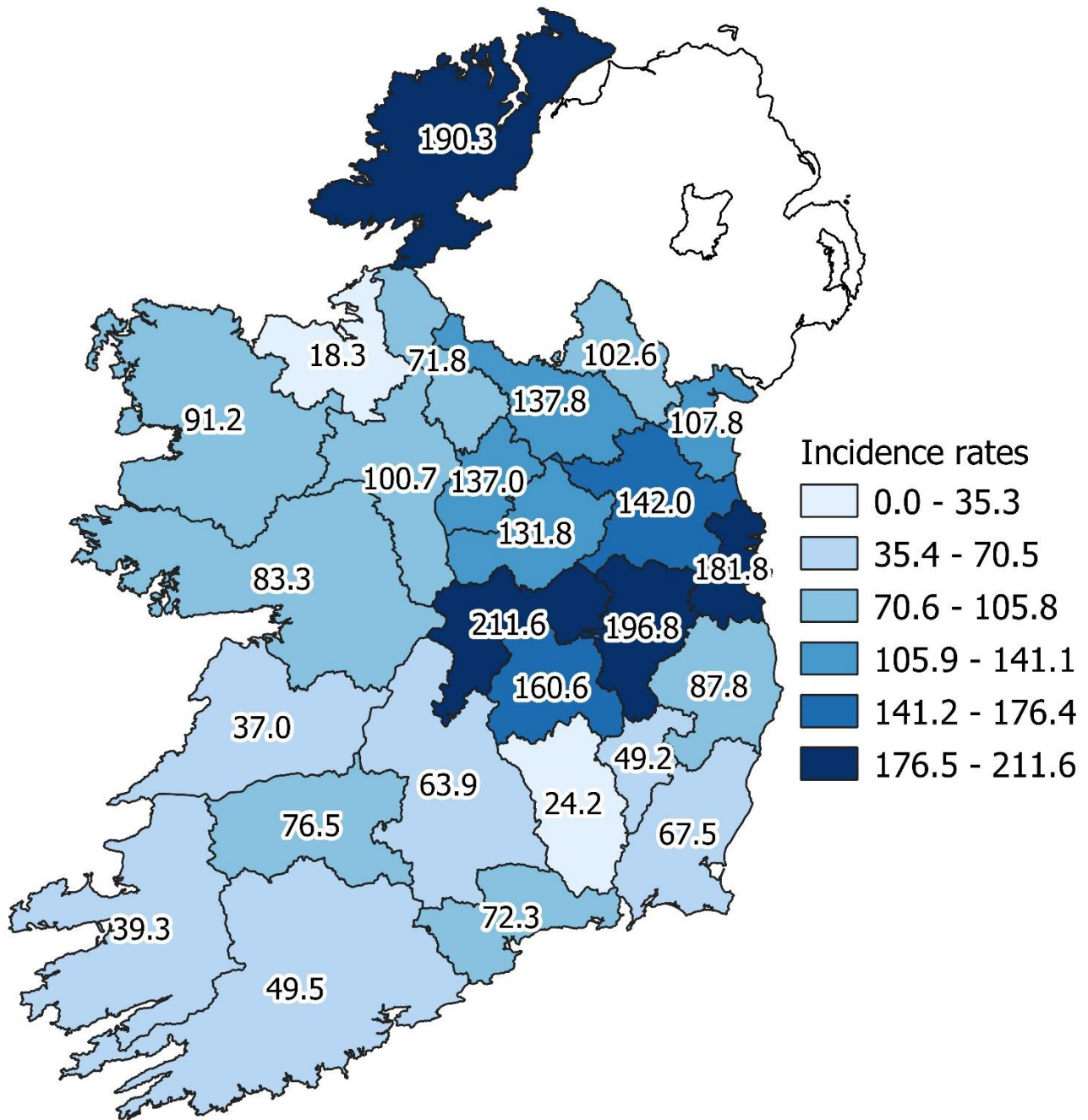


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 02/04/2021 and 15/04/2021

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 with a notification date between 02/04/2021 and 15/04/2021

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14-day incidence rates based on notification dates
CCA1	Dublin South	125	91.9
CCA2	Dublin South East	129	104.3
CCA3	Dublin South City	142	94.7
CCA4	Dublin South West	228	141.7
CCA5	Dublin West	278	179.0
CCA6	Dublin North West	654	314.9
CCA7	Dublin North Central	340	219.9
CCA8	Dublin North	553	213.4
Dublin		2,449	181.8

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

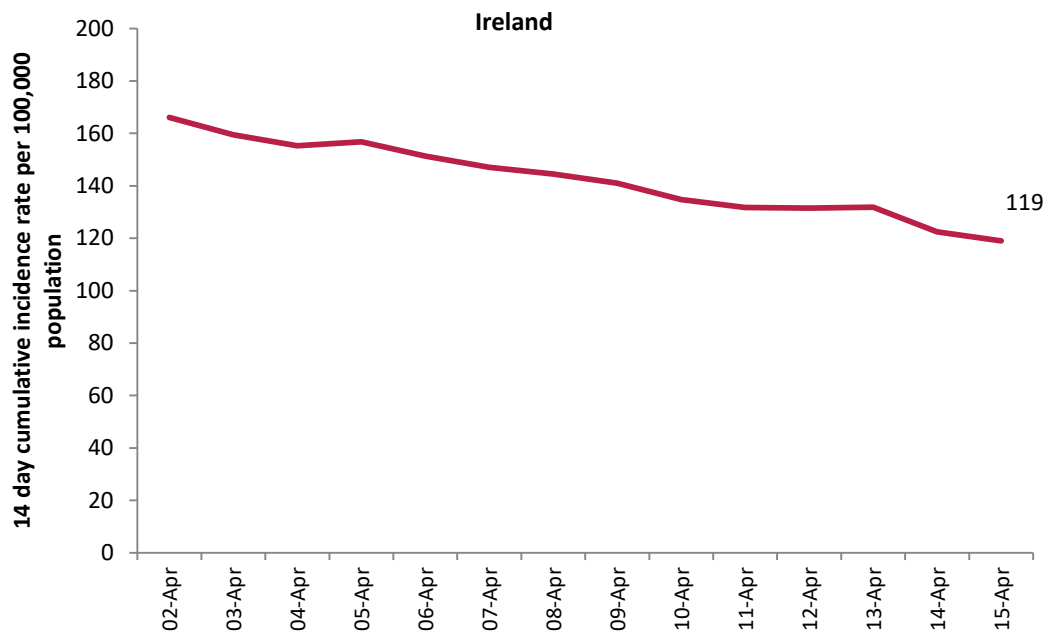


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (02/04/2021 to 15/04/2021)

*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 02/04/2021 to midnight 15/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	183	3.23%
Close contact with a known confirmed case	2,594	45.78%
Healthcare setting acquired: patient	76	1.34%
Healthcare setting acquired: staff	23	0.41%
Community transmission	947	16.71%
Under investigation	1,843	32.53%
Total	5,666	100.00%

* Please note there is currently a delay in updating most likely transmission source data due to recent changes made to the HSE CovidCare Tracker

^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 02/04/2021 to midnight 15/04/2021 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	347	6	2.83	0	0.00
5-12 yrs	749	7	3.30	0	0.00
13-24 yrs [^]	1081	7	3.30	<5	-
25-34 yrs	949	29	13.68	<5	-
35-44 yrs	1069	30	14.15	<5	-
45-54 yrs	695	31	14.62	<5	-
55-64 yrs	455	31	14.62	5	29.41
65-74 yrs	201	21	9.91	<5	-
75-84 yrs	93	35	16.51	<5	-
85+ yrs	27	15	7.08	<5	-
Total	5,666	212	100	17	100

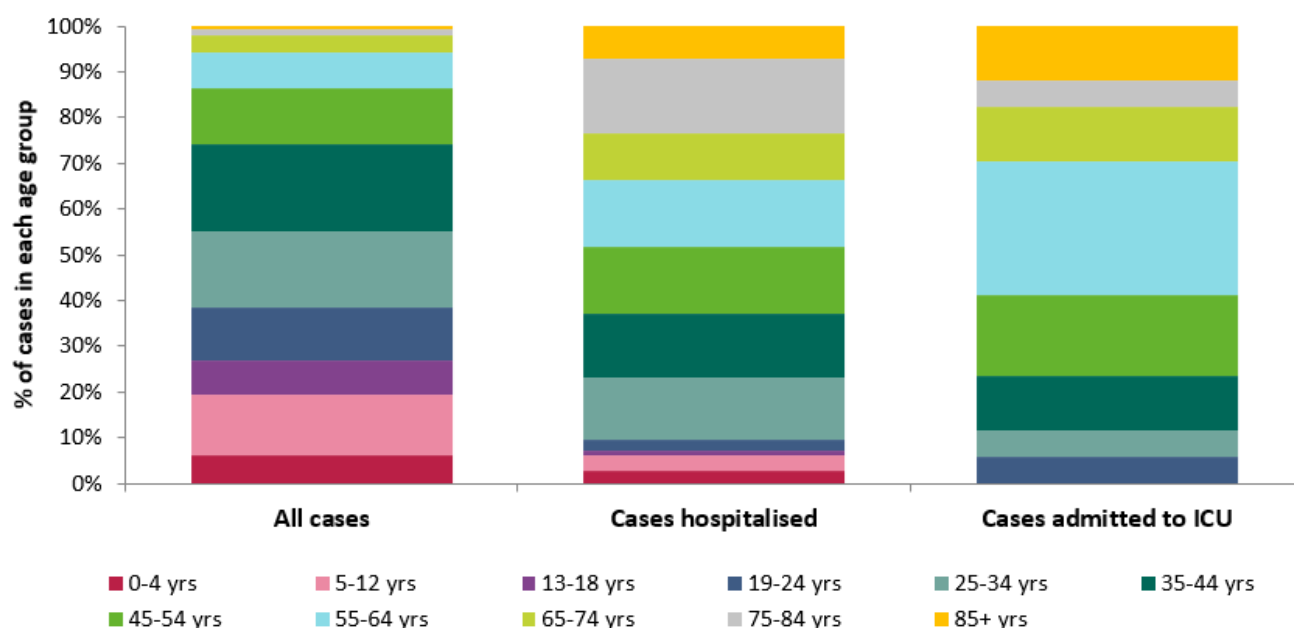


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 02/04/2021 to midnight 15/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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.

[^] 13-18 yrs and 19-24 yrs age groups are combined in this table due to the hospitalisation data for one or both of these age categories being <5

Deaths among COVID-19 cases

Table 7: Summary of deaths* in all COVID-19 cases notified in Ireland from 02/04/2021 up to midnight 15/04/2021

	Number	Percent
Total number of deaths	7	
Confirmed	6	85.71
Possible	1	14.29
Total number of cases hospitalised	7	100
Total number of male cases	4	57.14
M:F ratio	1.33	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	66 - 88	

Table 8: Number of deaths* in all COVID-19 cases by sex and age group notified in Ireland from 02/04/2021 up to midnight 15/04/2021

Age group (years)	Female	Male	Total	Percent
>65 yrs	3	4	7	100
Total	3	4	7	100
Percent	42.86	57.14		

* The number of deaths described in the above tables 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.

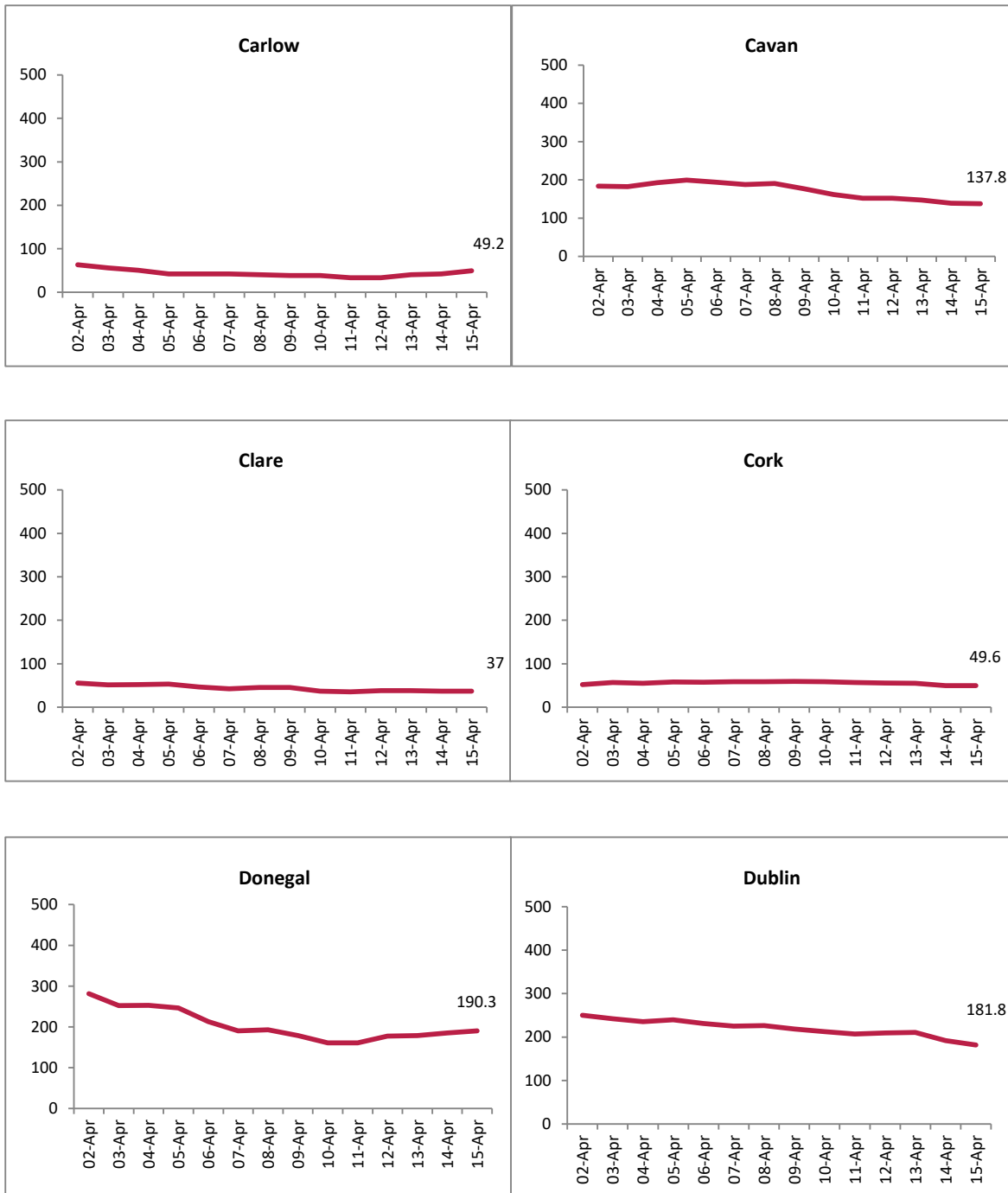
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

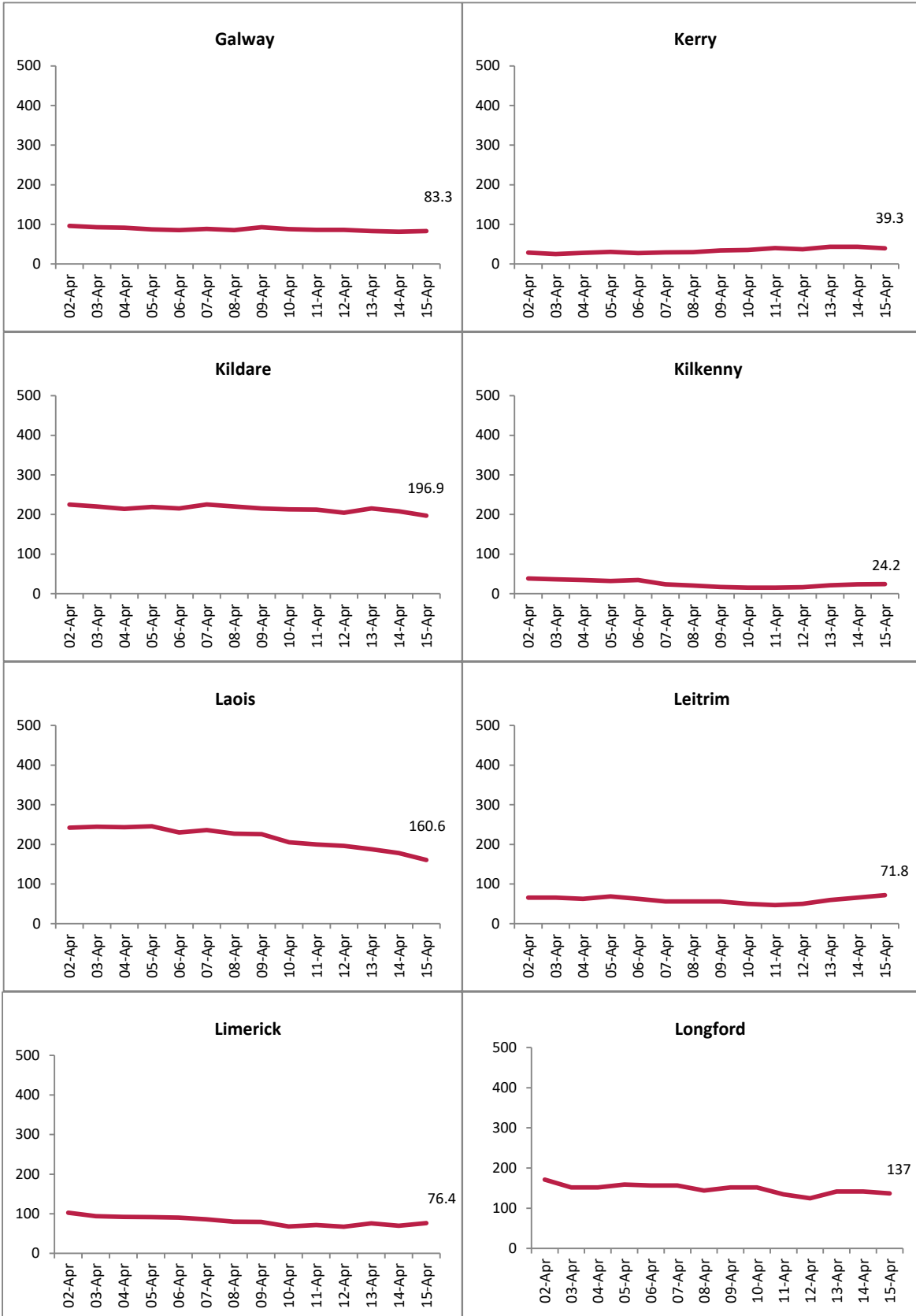
WHO definition of transmission classification is specified below:

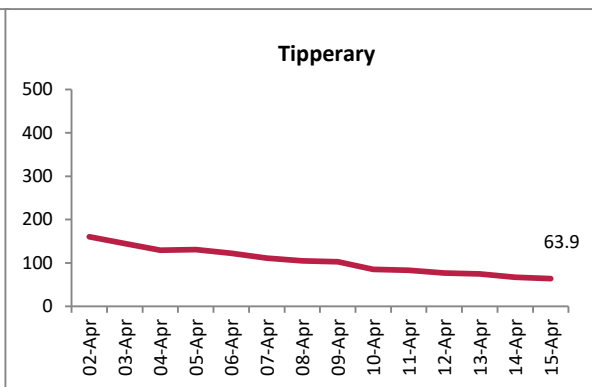
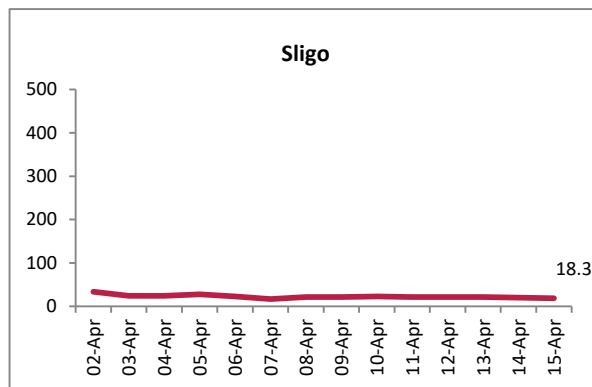
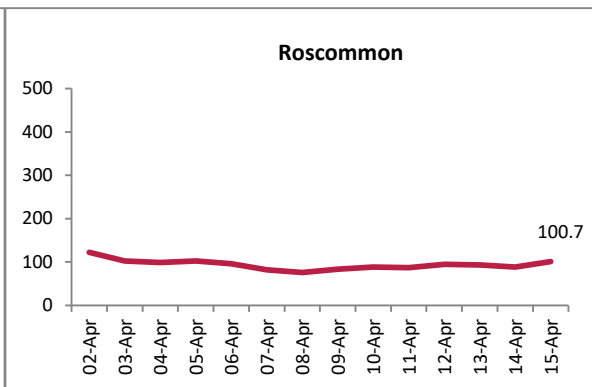
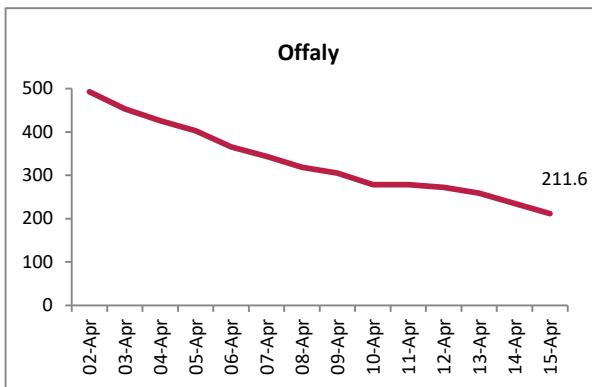
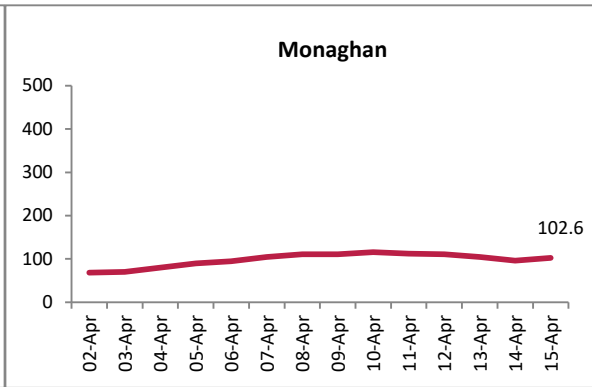
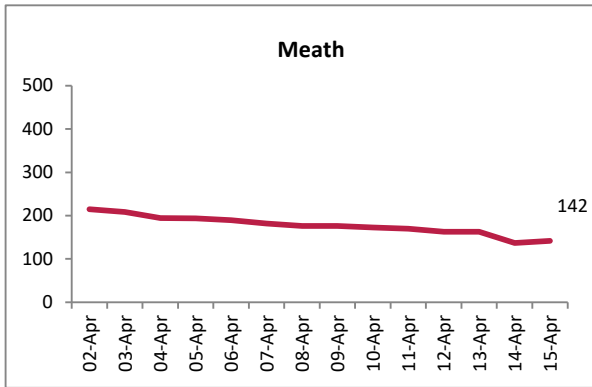
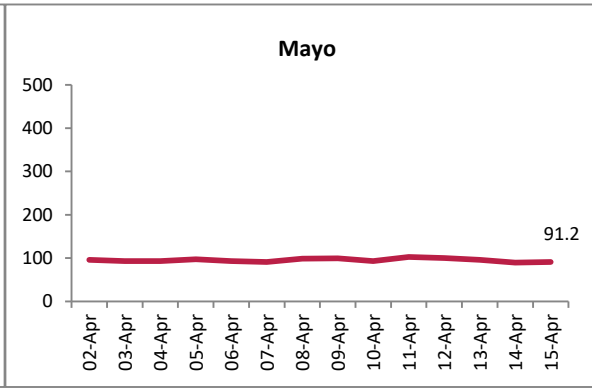
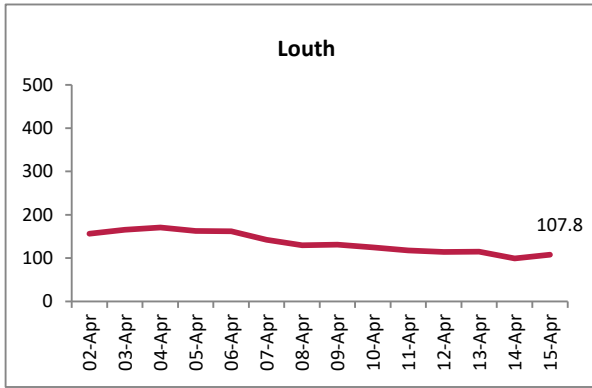
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (02/04/2021 to 15/04/2021)







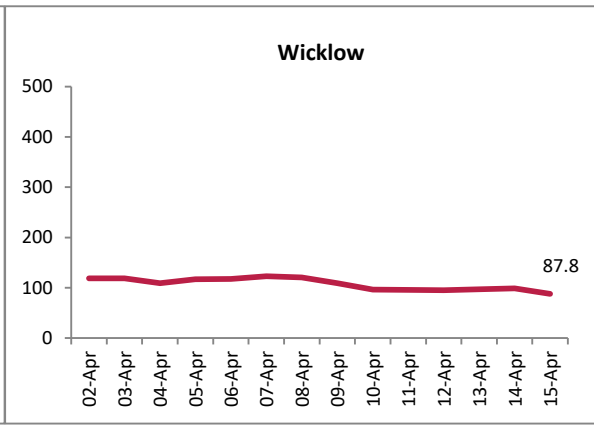
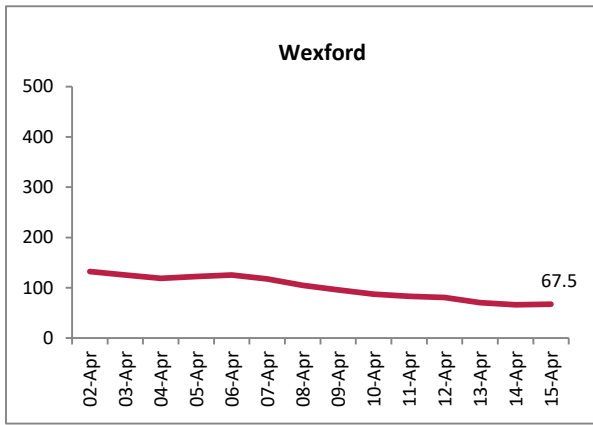
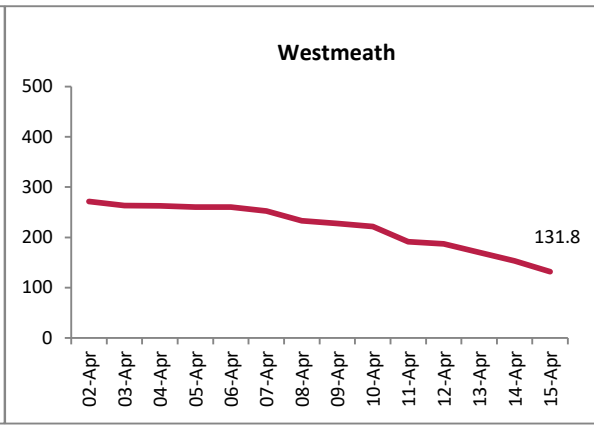
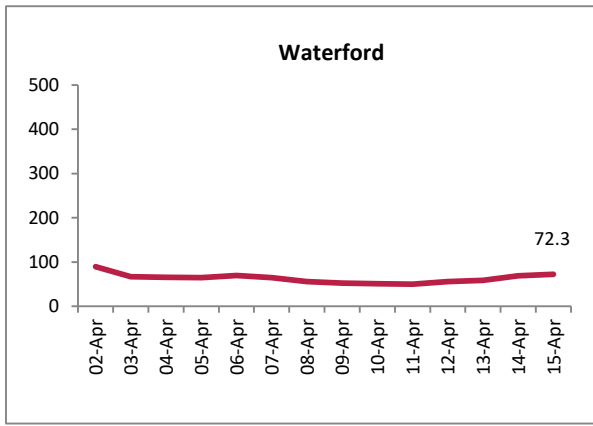


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (02/04/2021 to 15/04/2021)

