



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 13/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/03/2021 up to midnight 12/04/2021

	Number	Percent
Total number of confirmed cases	6,271	
National incidence of confirmed cases per 100,000 population	131.69	
Number of cases hospitalised*	234	3.73
Number of cases admitted to ICU*	15	0.24
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	1,610	25.67
Number of imported cases	57	0.91
Number of cases in healthcare workers	126	2.01
Males	3,145	50.15
Females	3,117	49.7
M:F ratio	1.01	
Median age (years)	32	
Mean age (years)	32	
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 30/03/2021 - 12/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:48 on 13/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

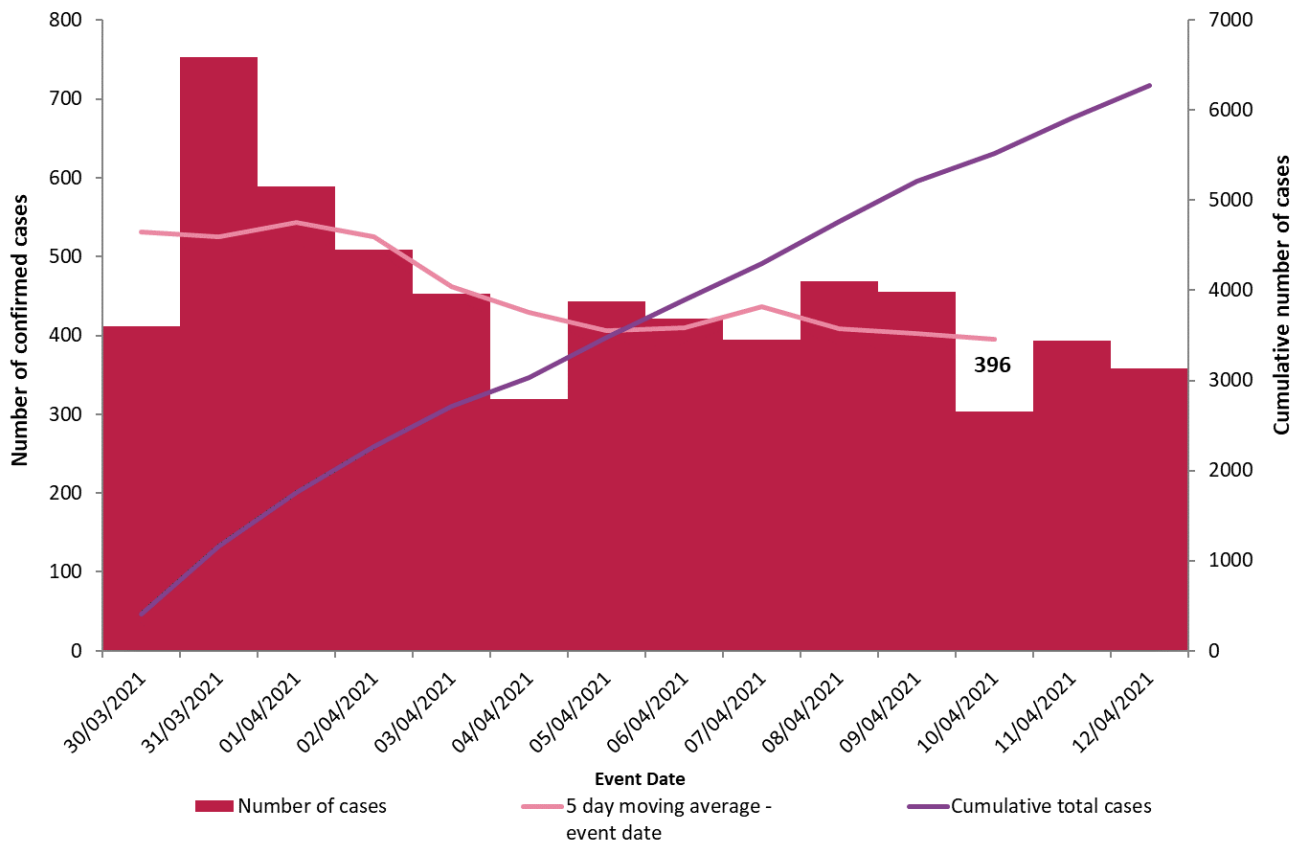


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=6,271)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/03/2021 up to midnight on 12/04/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		6,271	100
Sex	Male:Female ratio	1.01	
	Male	3,145	50.15
	Female	3,117	49.7
	Unknown	9	0.14
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 96	
	0-4 yrs	399	6.36
	5-12 yrs	843	13.44
	13-18 yrs	462	7.37
	19-24 yrs	709	11.31
	25-34 yrs	1,033	16.47
	35-44 yrs	1,176	18.75
	45-54 yrs	756	12.06
	55-64 yrs	504	8.04
	65-74 yrs	235	3.75
	75-84 yrs	112	1.79
	85+ yrs	42	0.67
Symptom status at time of test*	Yes	2,981	47.54
	No	1,336	21.3
	Unknown	1,954	31.16

*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 30/03/2021 to midnight 12/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	498	127.3
CHO2	413	91.1
CHO3	256	66.5
CHO4	357	51.7
CHO5	264	51.7
CHO6	425	110.9
CHO7	1,255	177.3
CHO8	1,062	171.5
CHO9	1,740	280.0
Unknown	1	
Total	6,271	131.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 30/03/2021 to midnight 12/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (08/04/2021-12/04/2021)
Offaly	210	269.4	13
Dublin	2,832	210.2	180
Kildare	454	204.0	29
Laois	166	196.0	8
Westmeath	173	194.9	10
Donegal	282	177.1	23
Meath	315	161.5	20
Cavan	118	154.9	7
Longford	50	122.3	3
Louth	148	114.8	7
Monaghan	69	112.4	4
Mayo	131	100.4	11
Wicklow	135	94.8	8
Roscommon	60	93.0	5
Galway	222	86.0	14
Wexford	121	80.8	3
Tipperary	122	76.5	6
Limerick	132	67.7	12
Waterford	65	55.9	5
Cork	301	55.4	13
Leitrim	15	46.8	1
Kerry	56	37.9	4
Clare	44	37.0	4
Carlow	20	35.1	1
Sligo	14	21.4	1
Kilkenny	16	16.1	1
Total	6,271	131.7	396

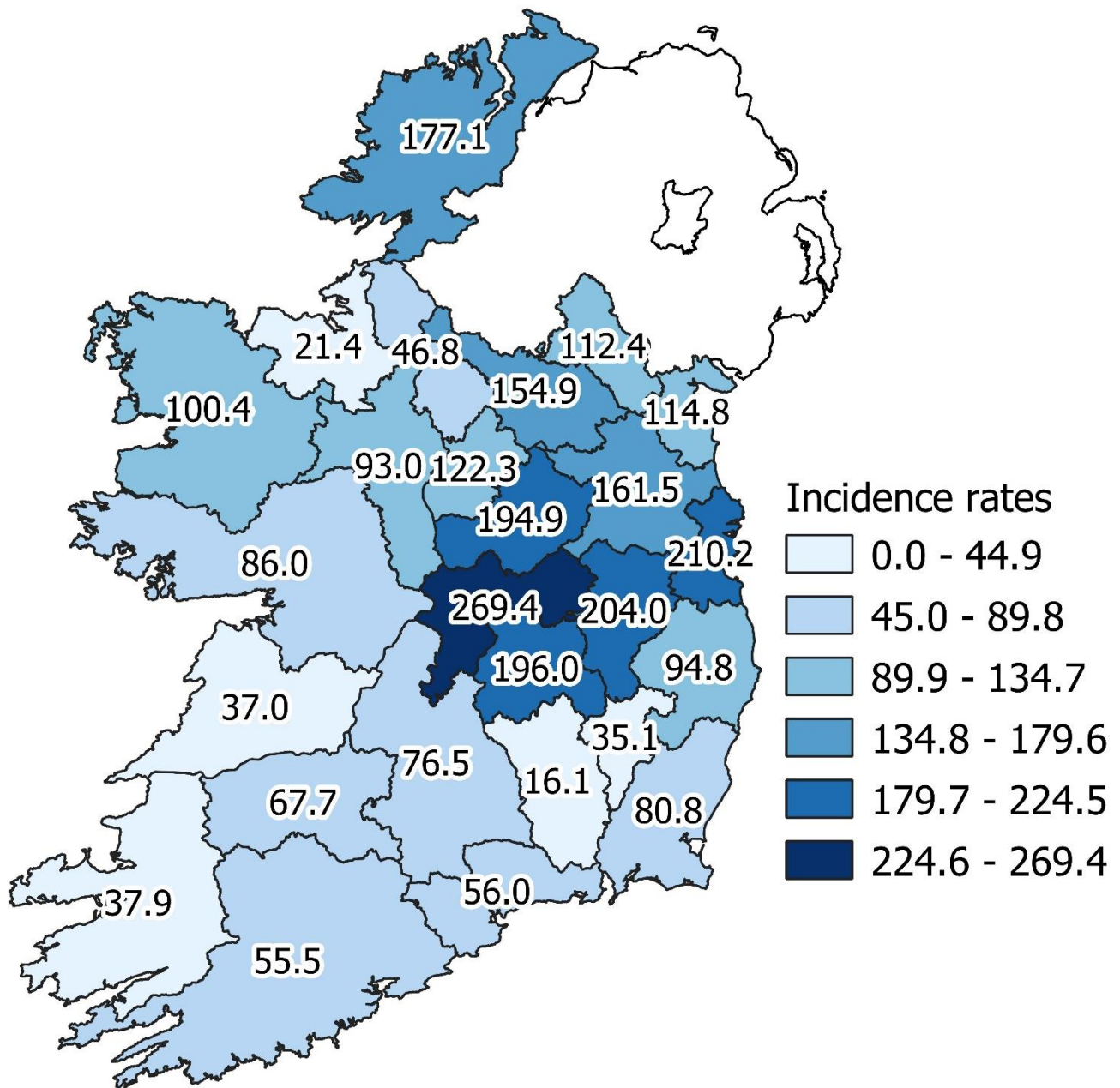


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 30/03/2021 and 12/04/2021

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 30/03/2021 and 12/04/2021

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	119	87.5
CCA2	Dublin South East	175	141.5
CCA3	Dublin South City	174	116.1
CCA4	Dublin South West	313	194.5
CCA5	Dublin West	310	199.6
CCA6	Dublin North West	715	344.3
CCA7	Dublin North Central	411	265.9
CCA8	Dublin North	614	236.9
	Unknown	1	
	Dublin	2,832	210.2

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

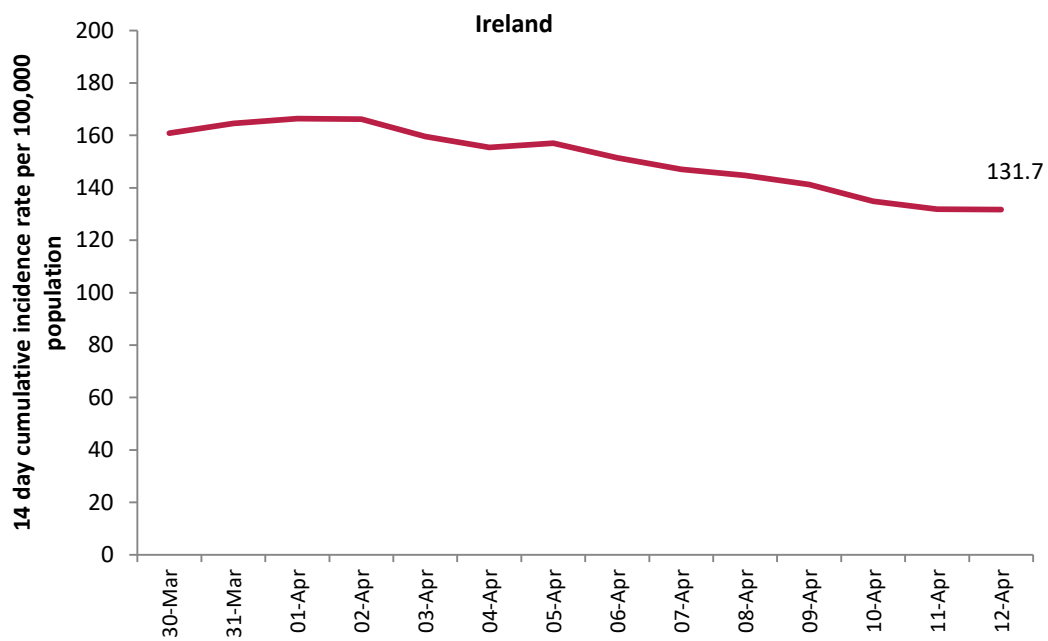


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (30/03/2021 to 12/04/2021)

*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 30/03/2021 to midnight 12/04/2021.

Most likely transmission source	Number of cases	Percent
Travel related^	156	2.49%
Close contact with a known confirmed case	2,107	33.60%
Healthcare setting acquired: patient	77	1.23%
Healthcare setting acquired: staff	20	0.32%
Community transmission	1,088	17.35%
Under investigation	2,823	45.02%
Total	6,271	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 30/03/2021 to midnight 12/04/2021 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	399	7	2.99	0	0
5-12 yrs	843	5	2.14	0	0
13-24 yrs [^]	1,171	11	4.70	<5	-
25-34 yrs	1,033	28	11.97	0	0
35-44 yrs	1,176	32	13.68	<5	-
45-54 yrs	756	39	16.67	6	40.00
55-64 yrs	504	27	11.54	<5	-
65-74 yrs	235	27	11.54	<5	-
75-84 yrs	112	36	15.38	0	0
85+ yrs	42	22	9.40	<5	-
Total	6,271	234	100	15	100

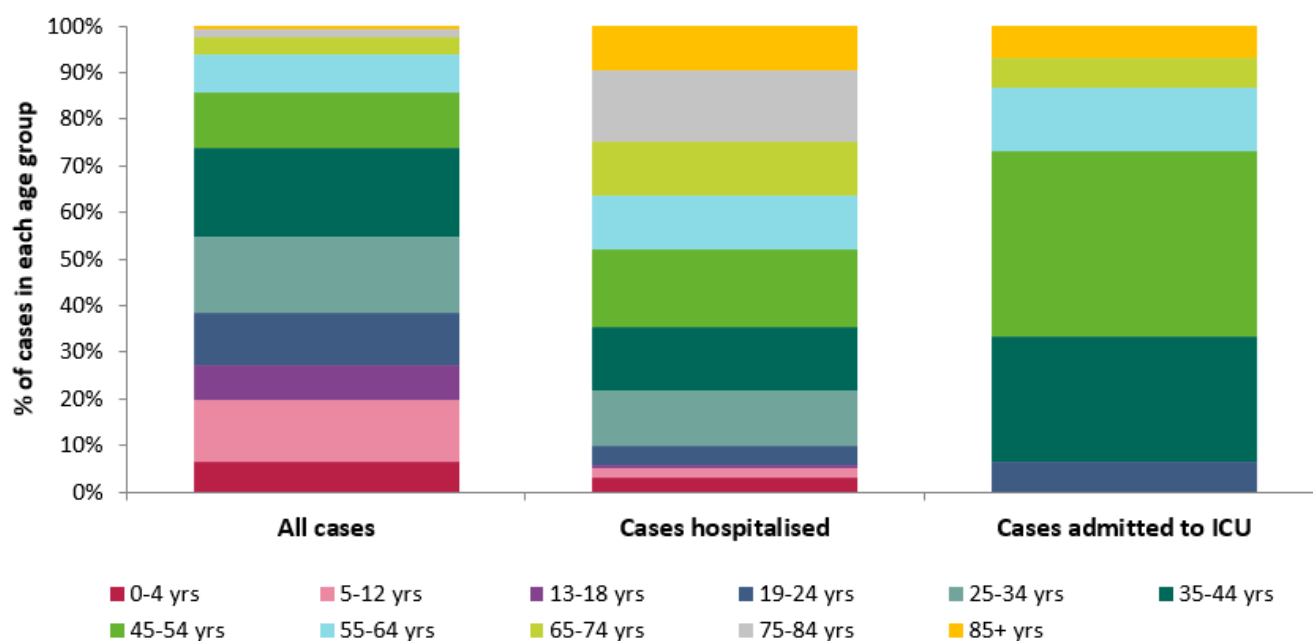


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 30/03/2021 to midnight 12/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

* 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 30/03/2021 up to midnight 12/04/2021

	Number	Percent
Total number of deaths	4	
Confirmed	3	75
Possible	1	25
Total number of cases hospitalised	3	75
Total number of male cases	2	50
M:F ratio	1	
Median age (years)	71.5	
Mean age (years)	67	
Age range (years)	46 - 80	

Table 8: Number of deaths* in all COVID-19 cases by sex and age group notified in Ireland from 30/03/2021 up to midnight 12/04/2021

Age group (years)	Female	Male	Total	Percent
>45 yrs	2	2	4	100
Total	2	2	4	100

* 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.

^ One or both values <5

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.

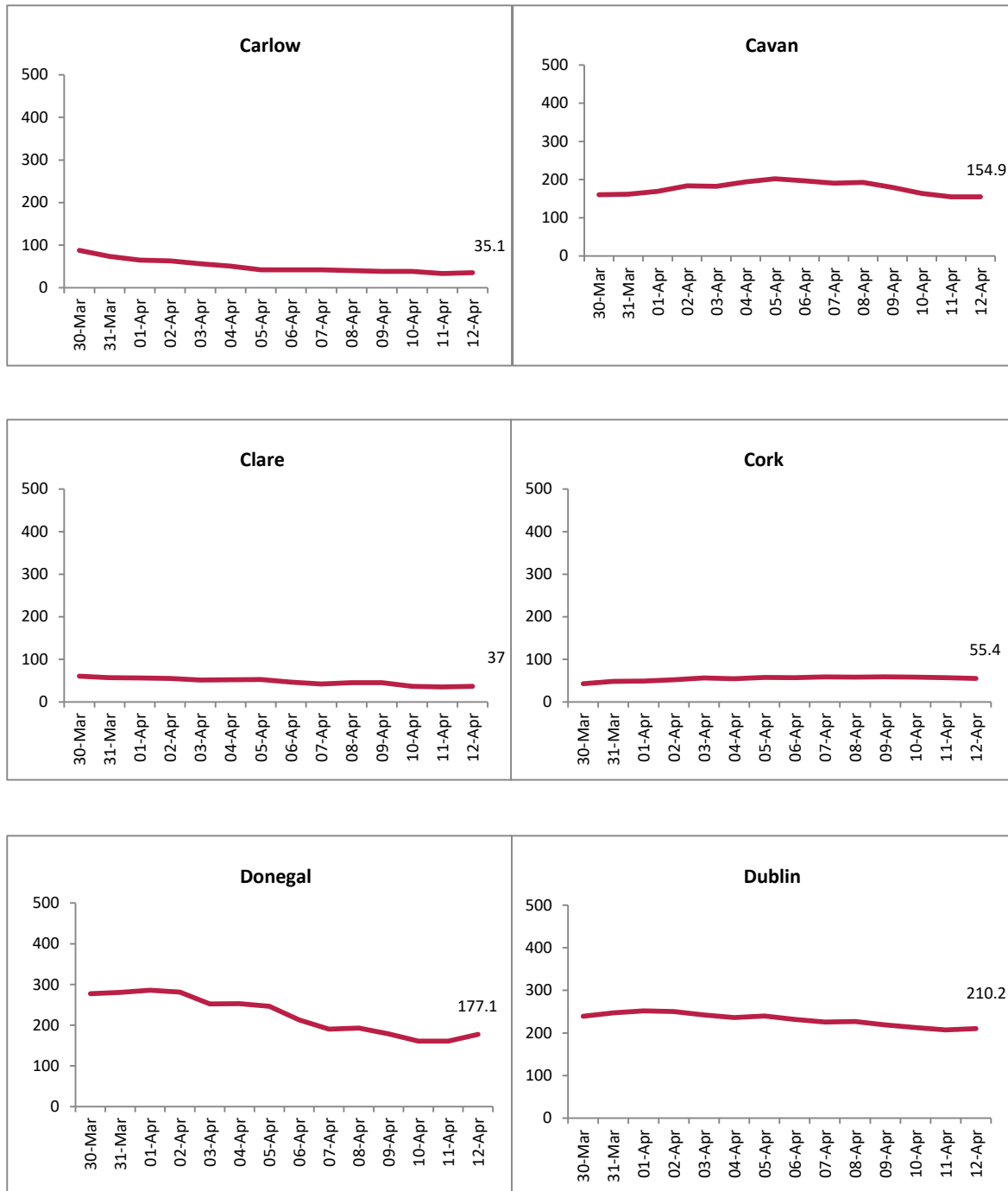
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

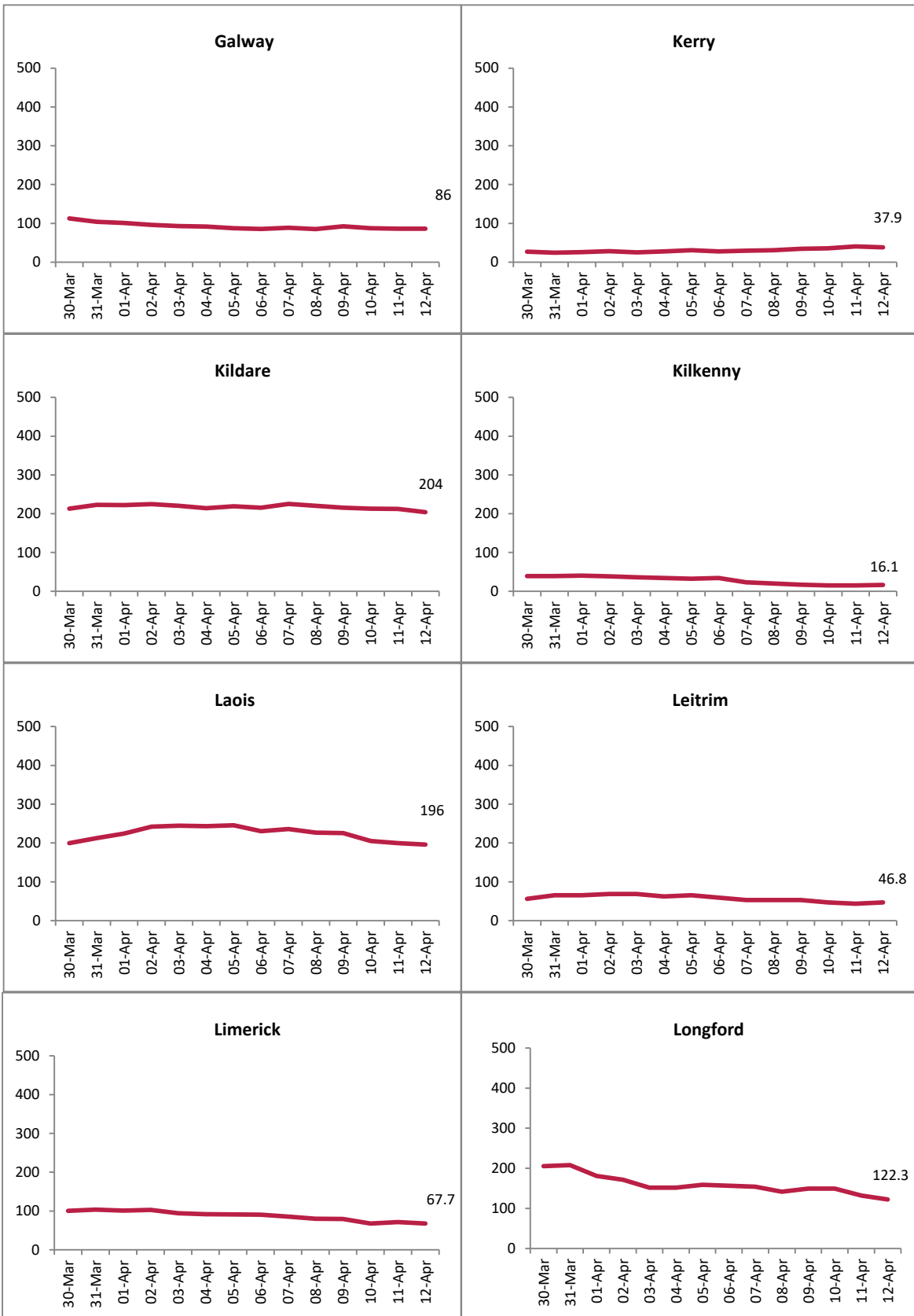
WHO definition of transmission classification is specified below:

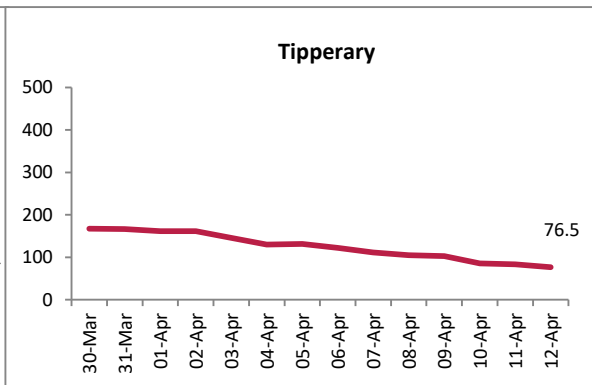
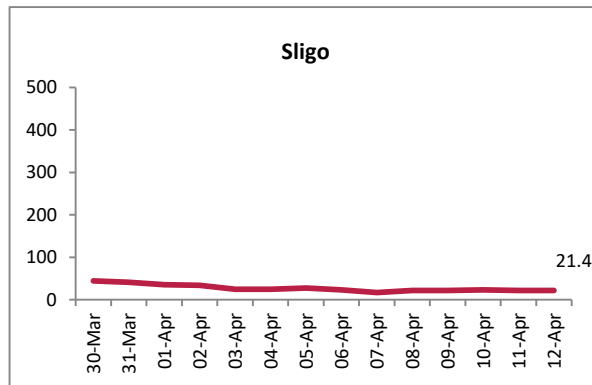
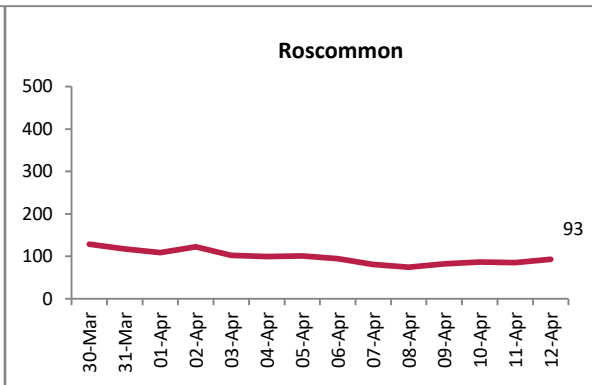
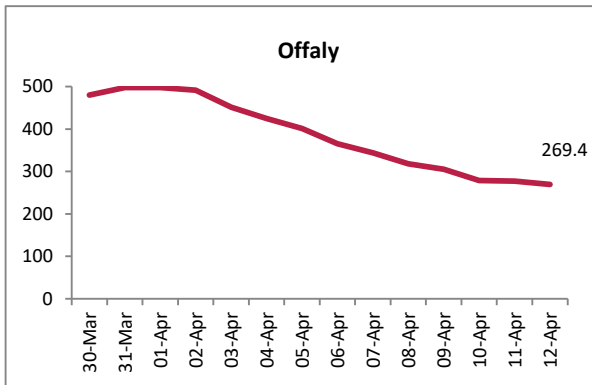
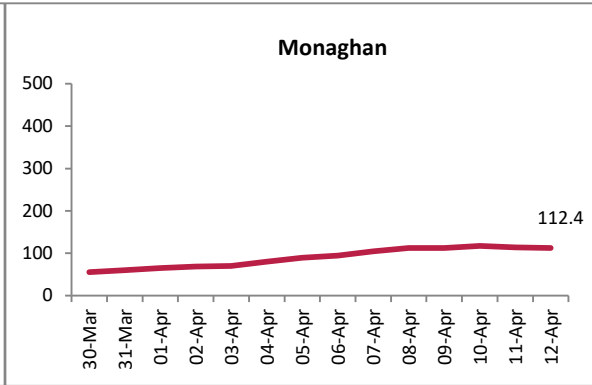
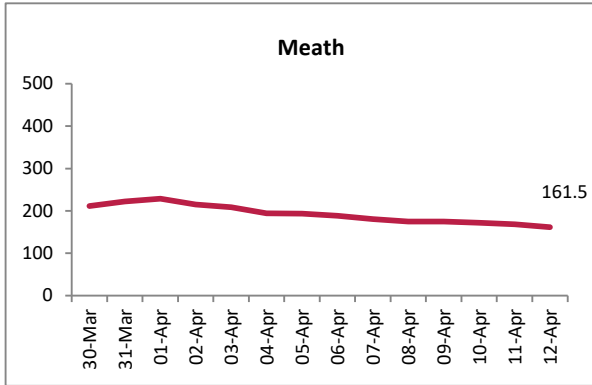
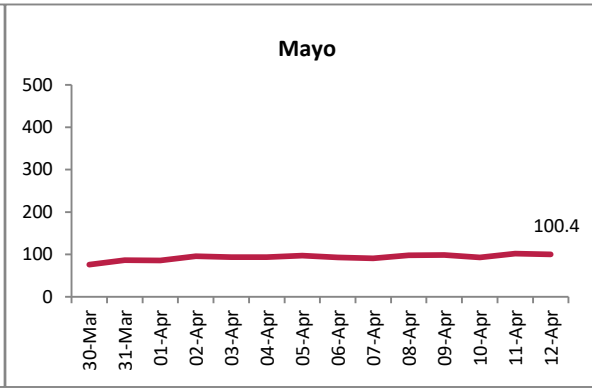
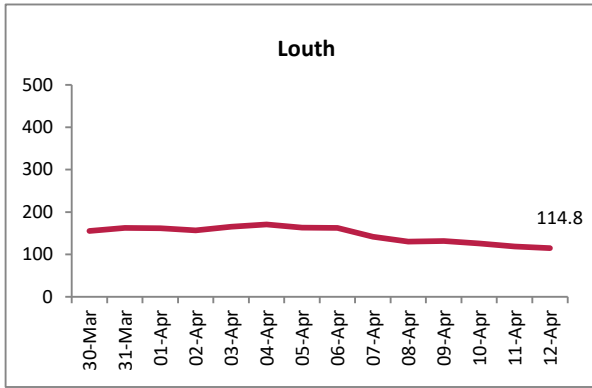
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (30/03/2021 to 12/04/2021)







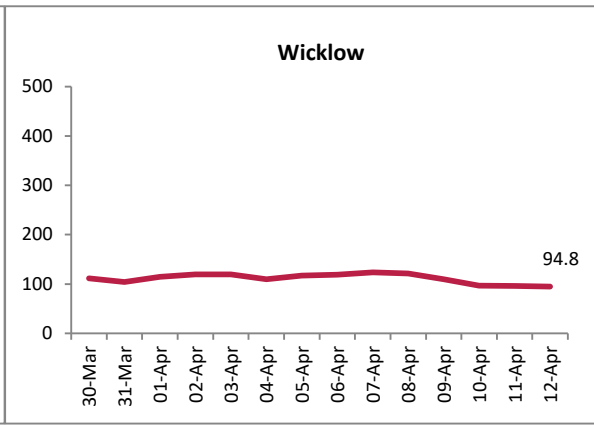
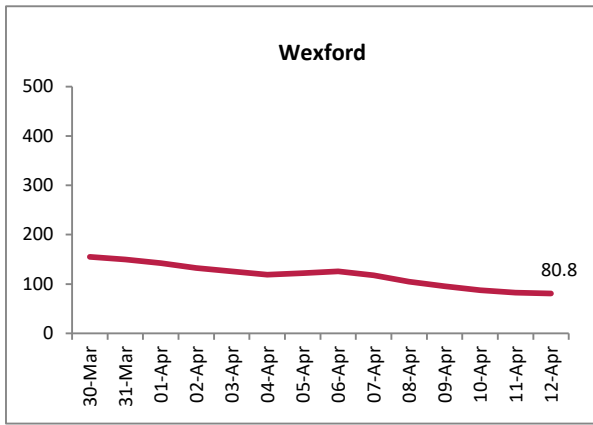
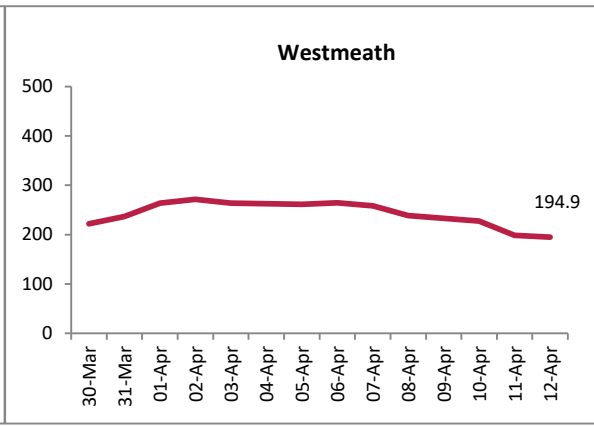
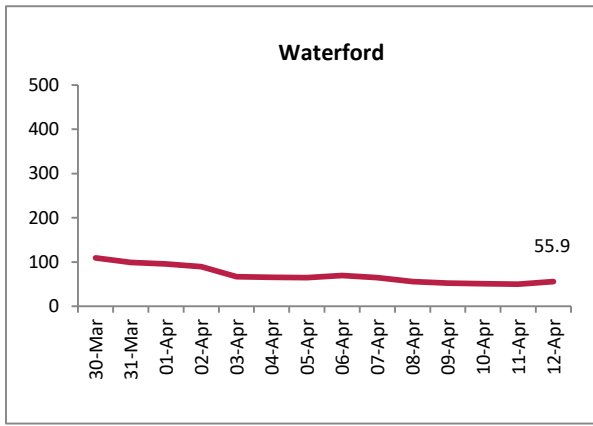


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (30/03/2021 to 12/04/2021)

