



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 02/04/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/03/2021 up to midnight 01/04/2021

	Number	Percent
Total number of confirmed cases	7,935	
National incidence of confirmed cases per 100,000 population	166.64	
Number of cases hospitalised*	330	4.16
Number of cases admitted to ICU*	19	0.24
Number of deaths among confirmed cases	9	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.19	
Number of cases** associated with clusters	2,045	25.77
Number of imported cases	47	0.59
Number of cases in healthcare workers	205	2.58
% HCW where HCW status known (n=6,242)		3.28
Males	3,959	49.89
Females	3,959	49.89
M:F ratio	1	
Median age (years)	32	
Mean age (years)	32	
Age range (years)	0 - 99	

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

**Cases may be associated with outbreaks notified outside the timeframe of this report
19/03/2021 - 01/04/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 02/04/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

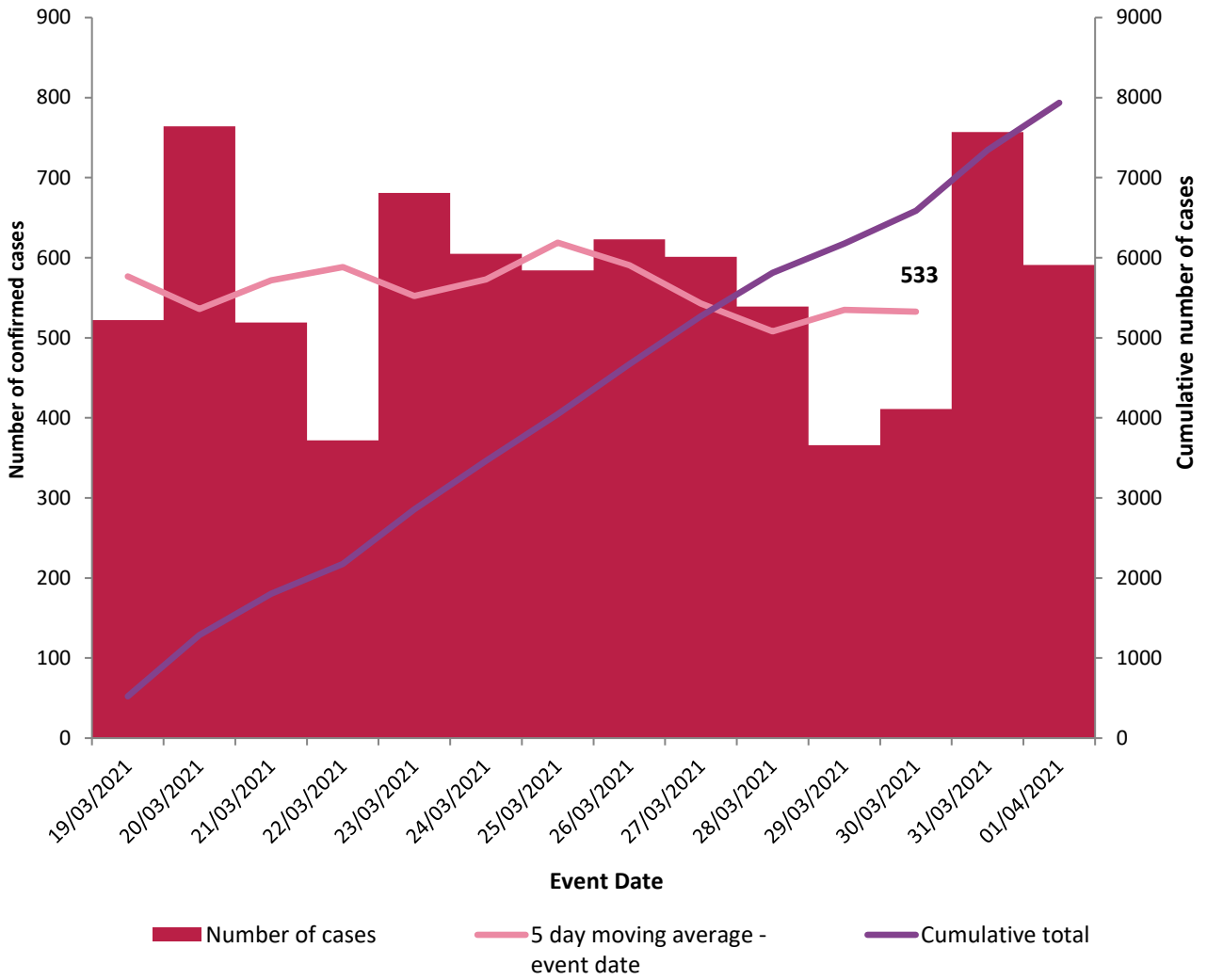


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,935)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 19/03/2021 up to midnight on 01/04/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,935	100
Sex	Male:Female ratio	1	
	Male	3,959	49.89
	Female	3,959	49.89
	Unknown	17	0.21
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 99	
	0-4 yrs	692	8.72
	5-12 yrs	1,080	13.61
	13-18 yrs	615	7.75
	19-24 yrs	715	9.01
	25-34 yrs	1,255	15.82
	35-44 yrs	1,472	18.55
	45-54 yrs	915	11.53
	55-64 yrs	594	7.49
	65-74 yrs	328	4.13
	75-84 yrs	197	2.48
	85+ yrs	72	0.91
Symptom status at time of test*	Yes	4,495	56.65
	No	1,739	21.92
	Unknown	1,701	21.44

*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 19/03/2021 to midnight 01/04/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	668	170.7
CHO2	442	97.5
CHO3	388	100.8
CHO4	306	44.3
CHO5	537	105.2
CHO6	583	152.2
CHO7	1,452	205.2
CHO8	1,541	248.8
CHO9	2,017	324.6
Unknown	1	
Total	7,935	166.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 19/03/2021 to midnight 01/04/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (28/03/2021-01/04/2021)
Offaly	398	510.5	25
Donegal	456	286.4	20
Westmeath	229	258.0	21
Dublin	3,400	252.3	235
Meath	445	228.2	31
Kildare	497	223.4	36
Laois	188	222.0	17
Longford	73	178.6	4
Cavan	128	168.0	11
Louth	208	161.4	13
Tipperary	253	158.6	12
Wexford	213	142.3	12
Wicklow	155	108.8	8
Roscommon	70	108.5	2
Limerick	199	102.1	13
Galway	260	100.8	17
Waterford	116	99.8	5
Mayo	112	85.8	9
Carlow	39	68.5	3
Monaghan	40	65.2	6
Leitrim	20	62.4	1
Clare	66	55.5	4
Cork	268	49.4	22
Kilkenny	40	40.3	1
Sligo	24	36.6	1
Kerry	38	25.7	4
Total	7,935	166.6	533

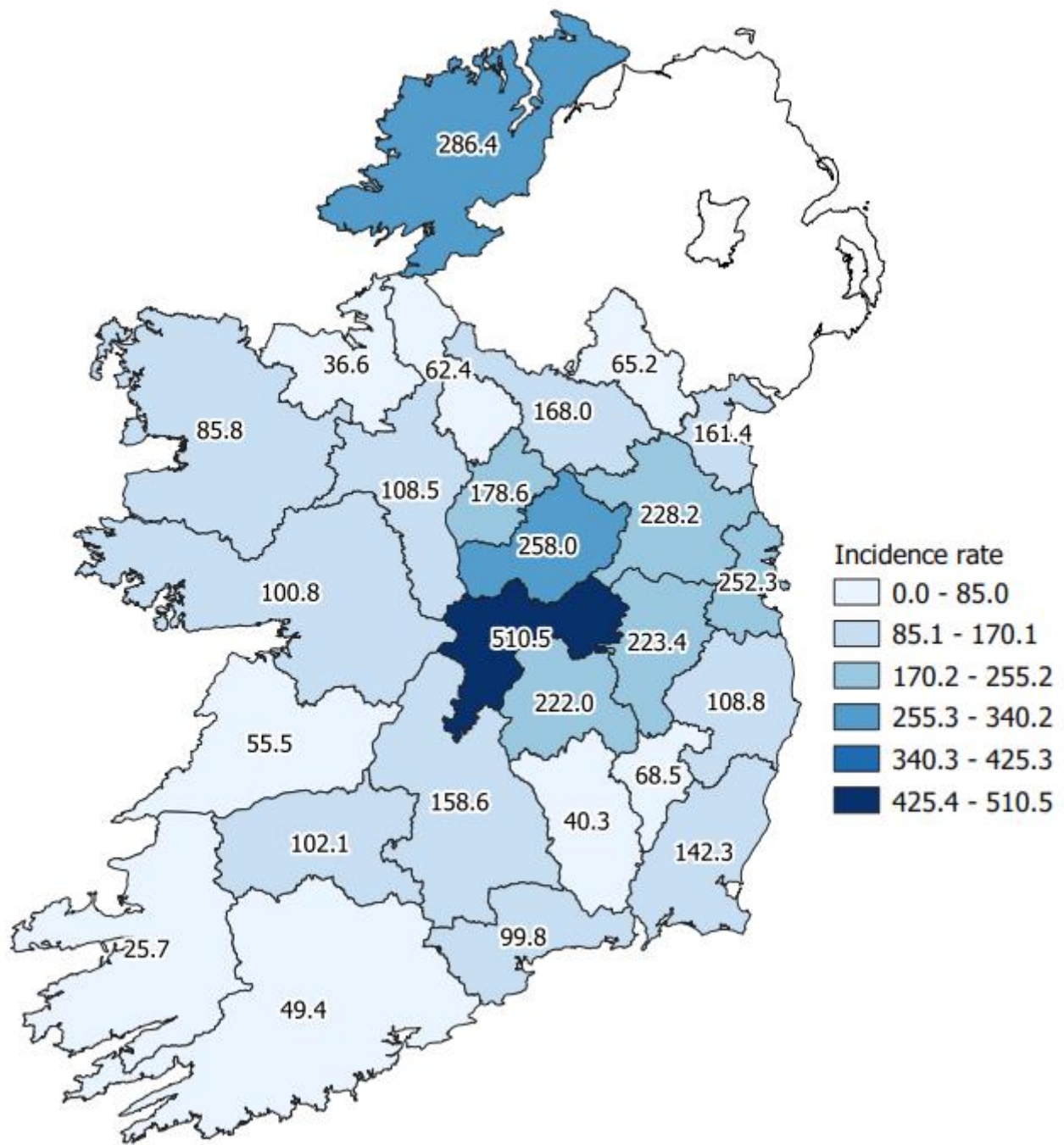


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/03/2021 and 01/04/2021

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 19/03/2021 and 01/04/2021

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	137	100.7
CCA2	Dublin South East	295	238.5
CCA3	Dublin South City	188	125.4
CCA4	Dublin South West	357	221.9
CCA5	Dublin West	406	261.4
CCA6	Dublin North West	744	358.3
CCA7	Dublin North Central	611	395.3
CCA8	Dublin North	662	255.4
	Dublin	3,400	252.3

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

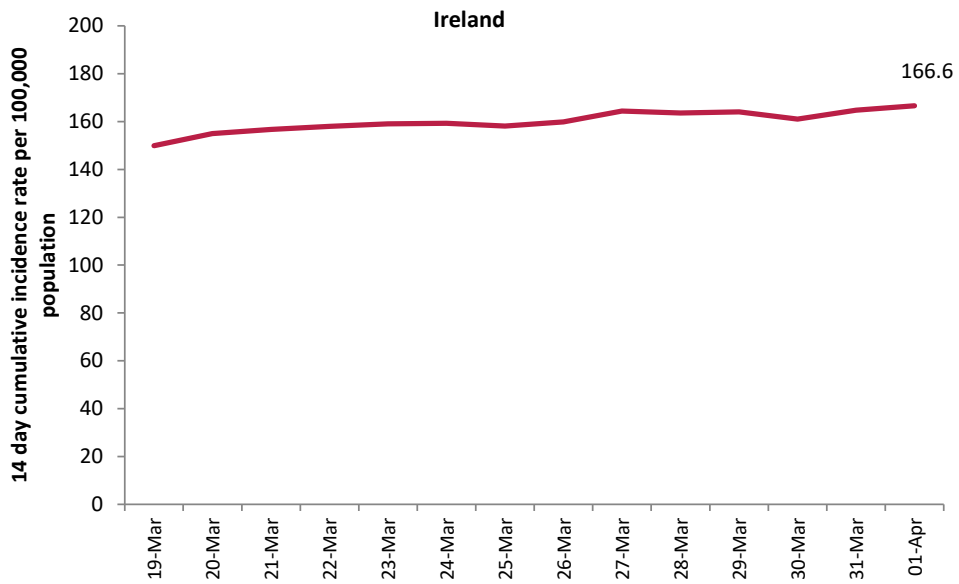


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (19/03/2021 to 01/04/2021)

*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 19/03/2021 to midnight 01/04/2021

Most likely transmission source	Number of cases	Percent
Travel related*	148	1.87%
Close contact with a known confirmed case	3,930	49.53%
Healthcare setting acquired: patient	120	1.51%
Healthcare setting acquired: staff	47	0.59%
Community transmission	1,612	20.32%
Under investigation	2,078	26.19%
Total	7,935	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 19/03/2021 to midnight 01/04/2021 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	692	8	2.42	0	0
5-12 yrs	1080	10	3.03	0	0
13-18 yrs	615	8	2.42	0	0
19-24 yrs	715	7	2.12	0	0
25-34 yrs	1255	21	6.36	0	0
35-44 yrs	1472	37	11.21	<5	
45-54 yrs	915	33	10.00	<5	
55-64 yrs	594	50	15.15	5	26.32
65-74 yrs	328	56	16.97	<5	
75-84 yrs	197	63	19.09	<5	
85+ yrs	72	37	11.21	0	0
Total	7,935	330	100	19	100

* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

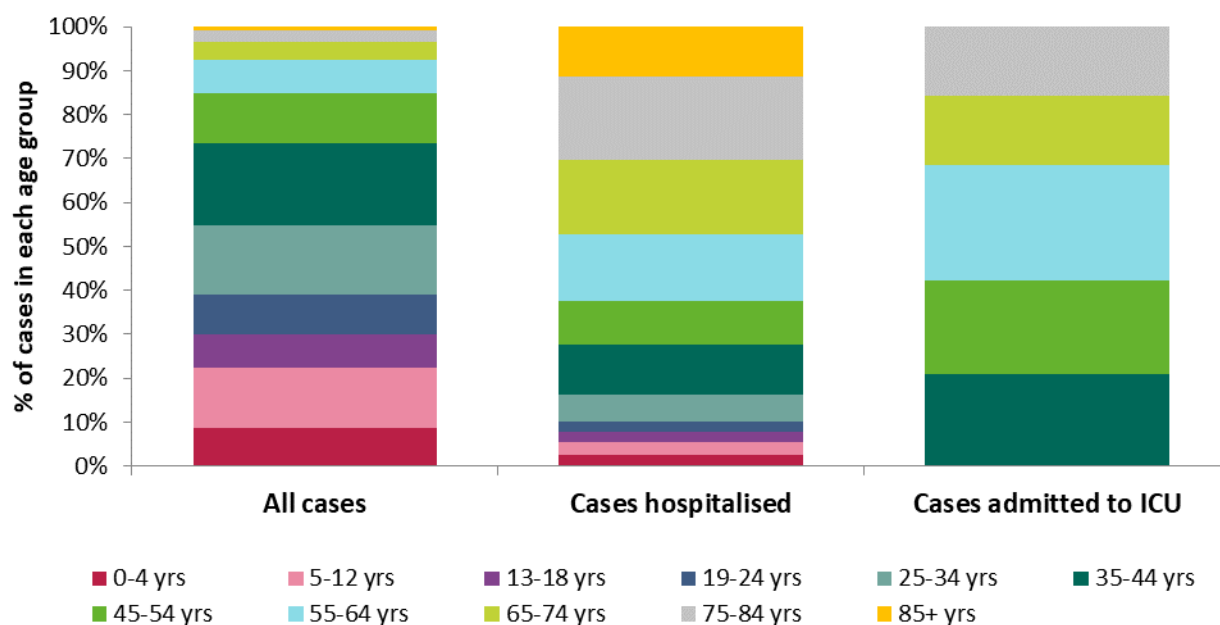


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 19/03/2021 to midnight 01/04/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 19/03/2021 up to midnight 01/04/2021

	Number	Percent
Total number of deaths	10	
	Confirmed	9
	Probable	1
Total number of cases hospitalised	7	70
Number with underlying clinical conditions	9	90
Total number of male cases	7	70
M:F ratio	2.33	
Median age (years)	79.5	
Mean age (years)	80	
Age range (years)	59 - 93	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 19/03/2021 up to midnight 01/04/2021

Age group (years)	Female	Male	Total	Percent
<75 yrs	*	*	*	
75-84 yrs	*	*	6	60
85+ yrs	*	*	*	
Total	3	7	10	100
Percent	30	70		

*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 at 09:00 on 02/04/2021. 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.

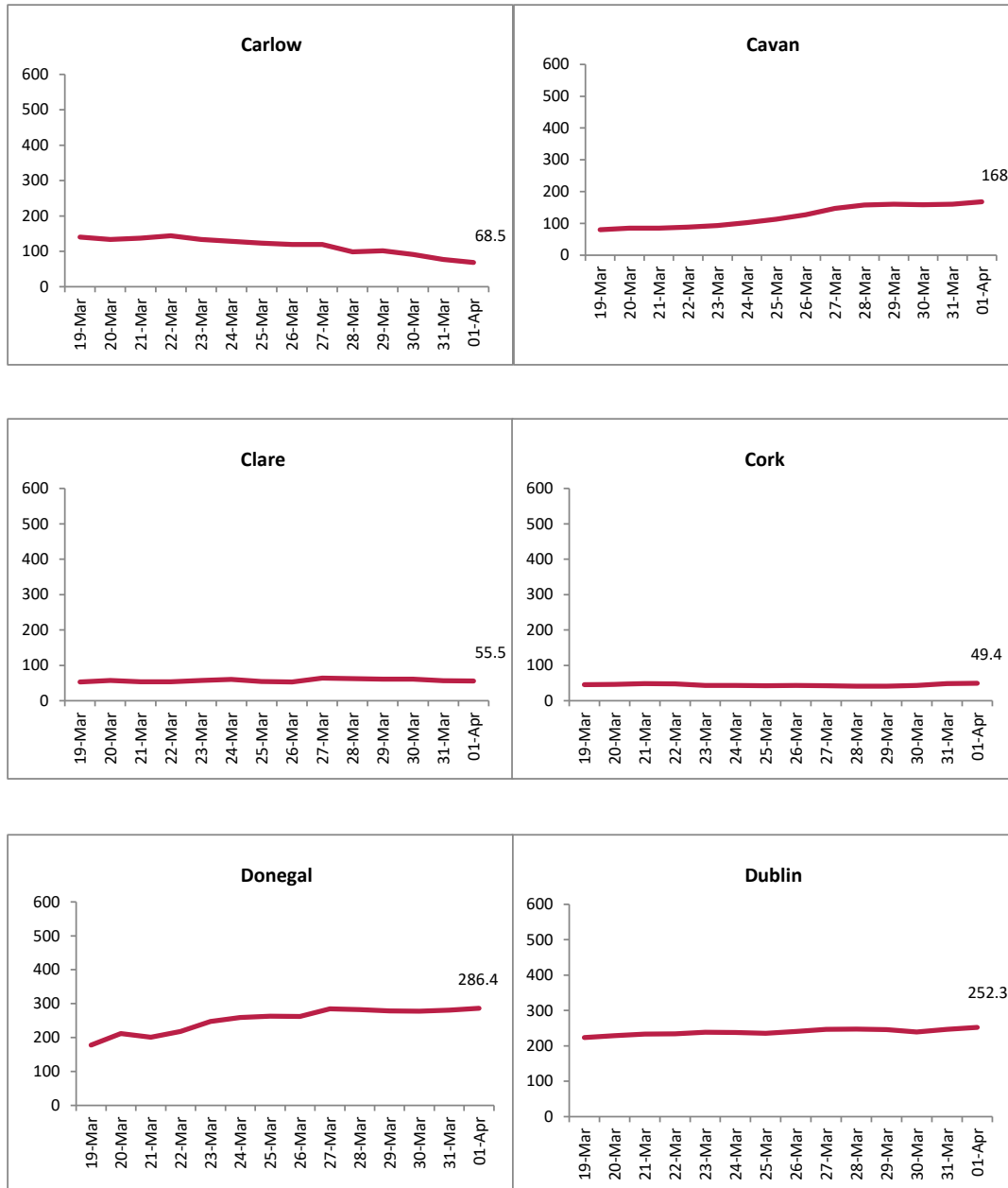
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

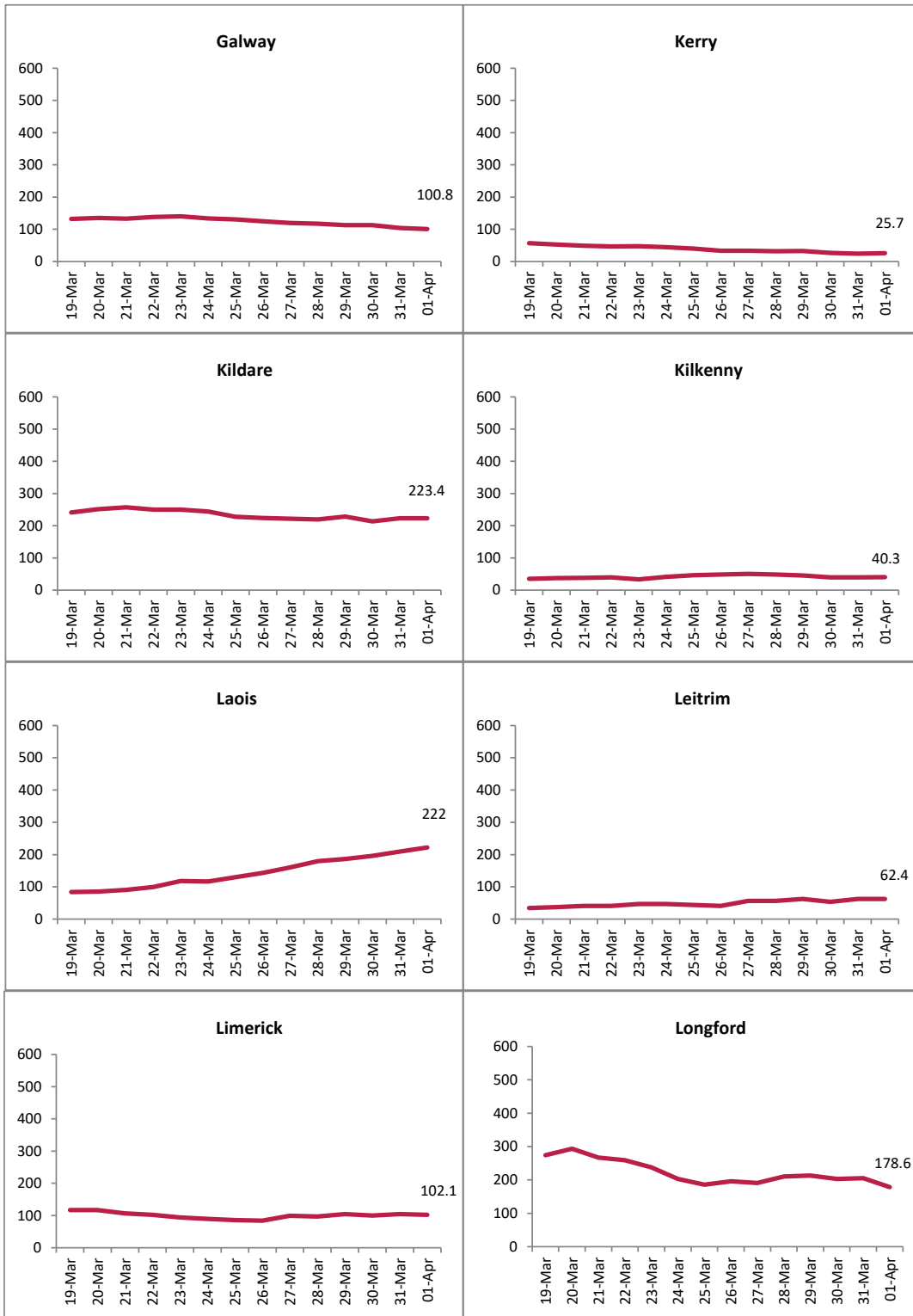
WHO definition of transmission classification is specified below:

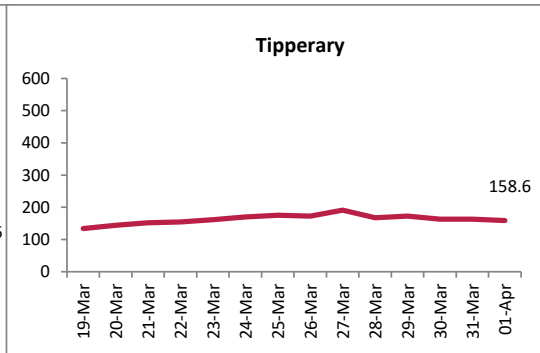
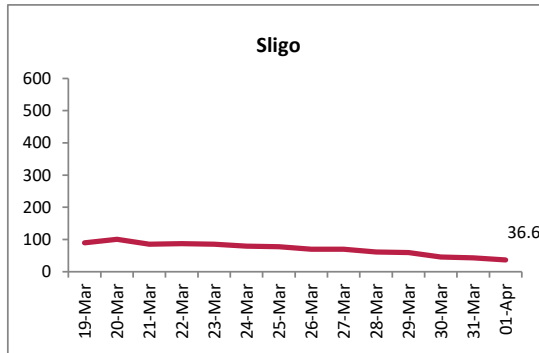
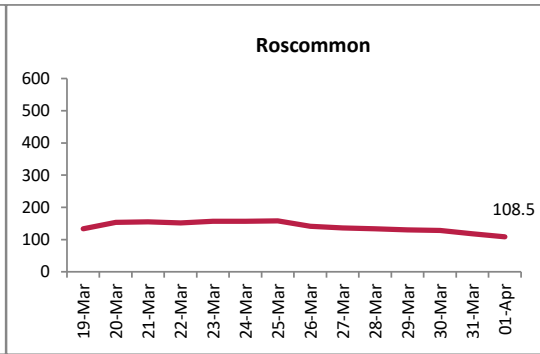
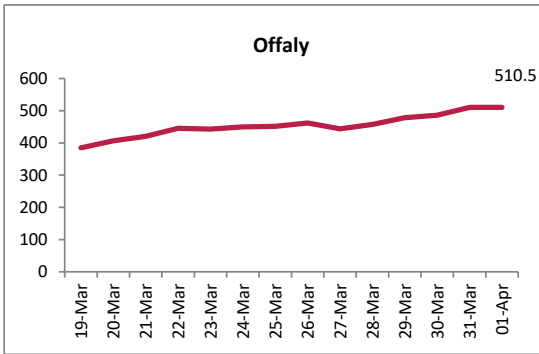
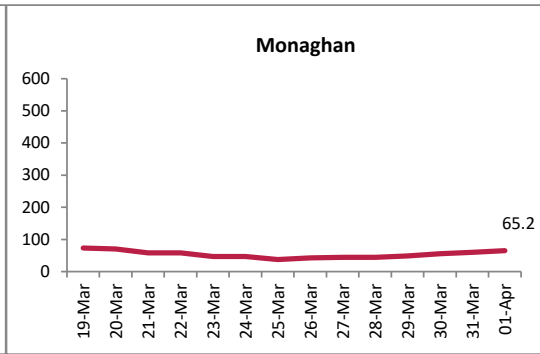
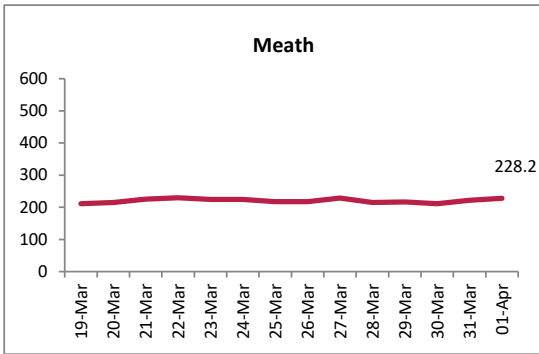
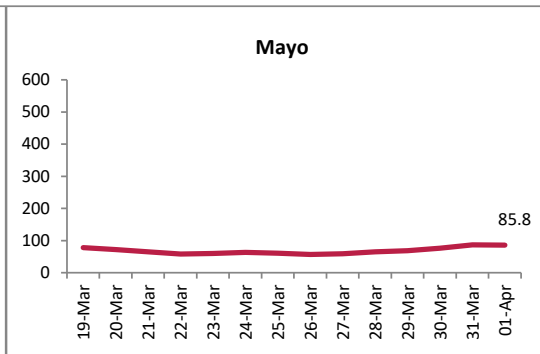
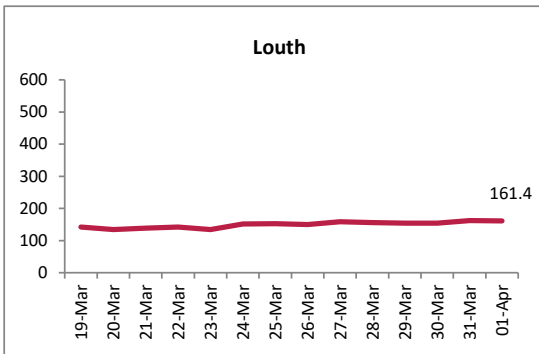
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (19/03/2021 to 01/04/2021)







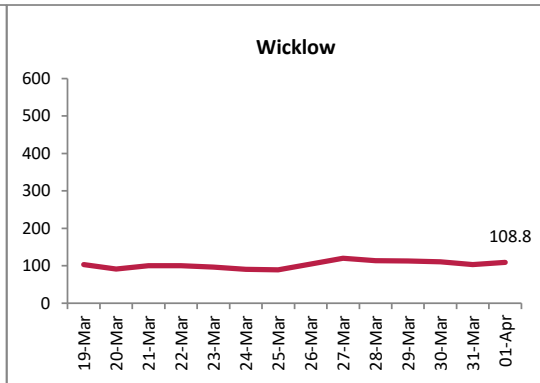
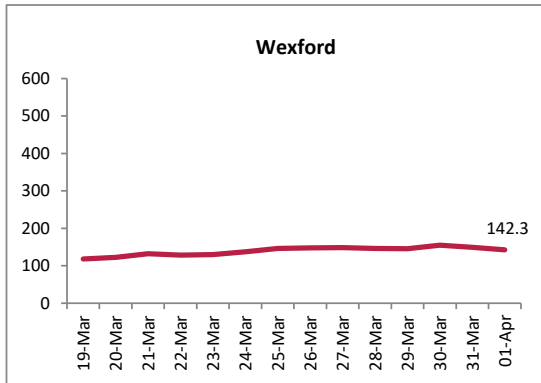
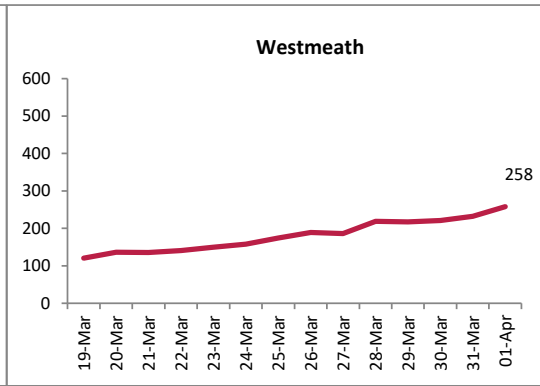
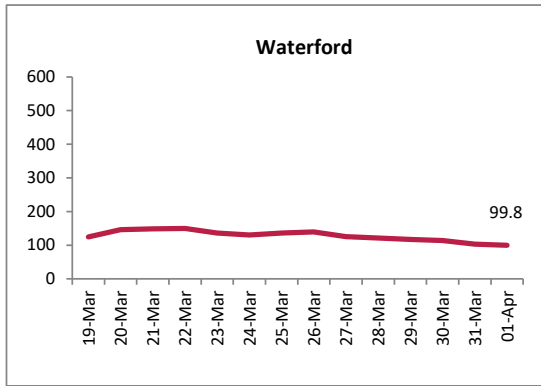


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (19/03/2021 to 01/04/2021)

