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Epidemiology of COVID-19 in Ireland - 14 day Report prepared by HPSC on 31/03/2021

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Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 31/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 17/03/2021 up to midnight 30/03/2021

	Number	Percent
Total number of confirmed cases	7,669	
National incidence of confirmed cases per 100,000 population	161.05	
Number of cases hospitalised*	324	4.22
Number of cases admitted to ICU*	28	0.37
Number of deaths among confirmed cases	14	0.18
Case fatality ratio (CFR, %)	0.18	
National incidence of confirmed deaths per 100,000 population	0.29	
Number of cases** associated with clusters	1,887	24.61
Number of imported cases	74	0.96
Number of cases in healthcare workers	206	2.69
% HCW where HCW status known (n=6,166)		3.34
Males	3,820	49.81
Females	3,841	50.08
M:F ratio	0.99	
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
17/03/2021 - 30/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:28 on 31/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

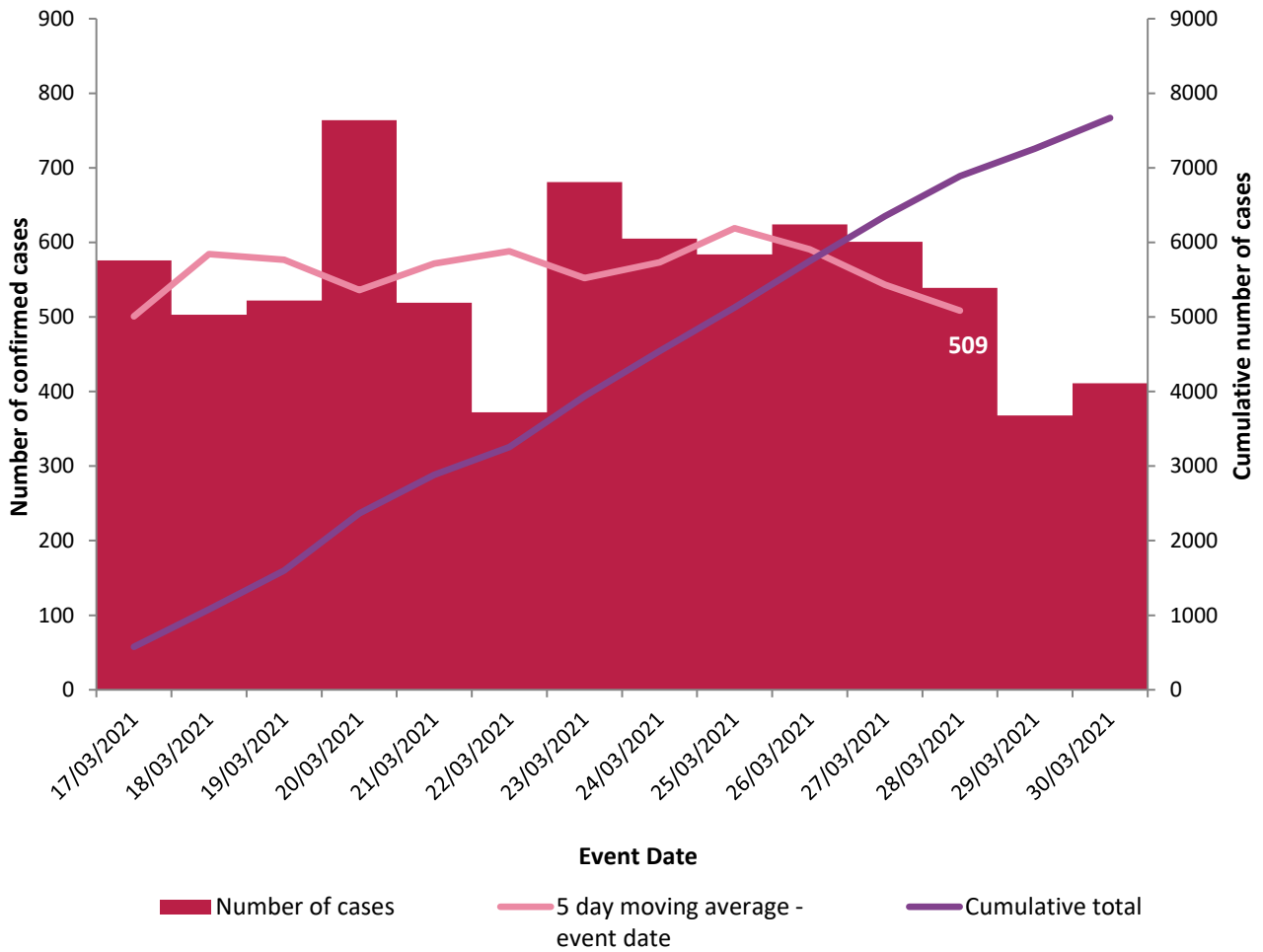


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,669)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 17/03/2021 up to midnight on 30/03/2021

Characteristic		Number of cases	Percent	
Total number of confirmed cases		7,669	100	
Sex	Male:Female ratio	0.99		
	Male	3,820	49.81	
	Female	3,841	50.08	
	Unknown	8	0.1	
Age	Median age (years)	32		
	Mean age (years)	32		
	Age range (years)	0 - 99		
	0-4 yrs	677	8.83	
	5-12 yrs	1,040	13.56	
	13-18 yrs	611	7.97	
	19-24 yrs	663	8.65	
	25-34 yrs	1,220	15.91	
	35-44 yrs	1,430	18.65	
	45-54 yrs	885	11.54	
	55-64 yrs	562	7.33	
	65-74 yrs	320	4.17	
	75-84 yrs	188	2.45	
	85+ yrs	73	0.95	
	Unknown			
Symptom status at time of test*	Yes	4,535	59.13	72.51
	No	1,719	22.41	27.49
	Unknown	1,415	18.45	
	Total cases where known	6,254		

*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 17/03/2021 to midnight 30/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	646	165.1
CHO2	470	103.7
CHO3	389	101.0
CHO4	273	39.5
CHO5	595	116.6
CHO6	544	142.0
CHO7	1,328	187.6
CHO8	1,435	231.7
CHO9	1,989	320.1
Total	7,669	161.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 17/03/2021 to midnight 30/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (26/03/2021-30/03/2021)
Offaly	378	484.9	23
Donegal	442	277.7	29
Dublin	3232	239.9	210
Westmeath	199	224.2	19
Kildare	472	212.1	34
Meath	412	211.2	25
Longford	81	198.2	4
Laois	167	197.2	15
Tipperary	261	163.6	15
Cavan	121	158.8	13
Wexford	232	155.0	15
Louth	198	153.6	12
Roscommon	80	123.9	2
Waterford	132	113.6	5
Galway	291	112.8	15
Wicklow	157	110.2	14
Limerick	196	100.6	14
Carlow	52	91.3	3
Mayo	99	75.9	9
Clare	72	60.6	6
Leitrim	19	59.3	2
Monaghan	34	55.4	4
Sligo	30	45.8	0
Cork	233	42.9	18
Kilkenny	39	39.3	1
Kerry	40	27.1	2
Total	7,669	161.1	509

Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices* (LHOs) notified in Ireland with a notification date between 17/03/2021 and 30/03/2021

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	127	93.3
CCA2	Dublin South East	265	214.2
CCA3	Dublin South City	162	108.0
CCA4	Dublin South West	311	193.3
CCA5	Dublin West	378	243.3
CCA6	Dublin North West	720	346.7
CCA7	Dublin North Central	605	391.4
CCA8	Dublin North	664	256.2
	Dublin	3,232	239.9

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

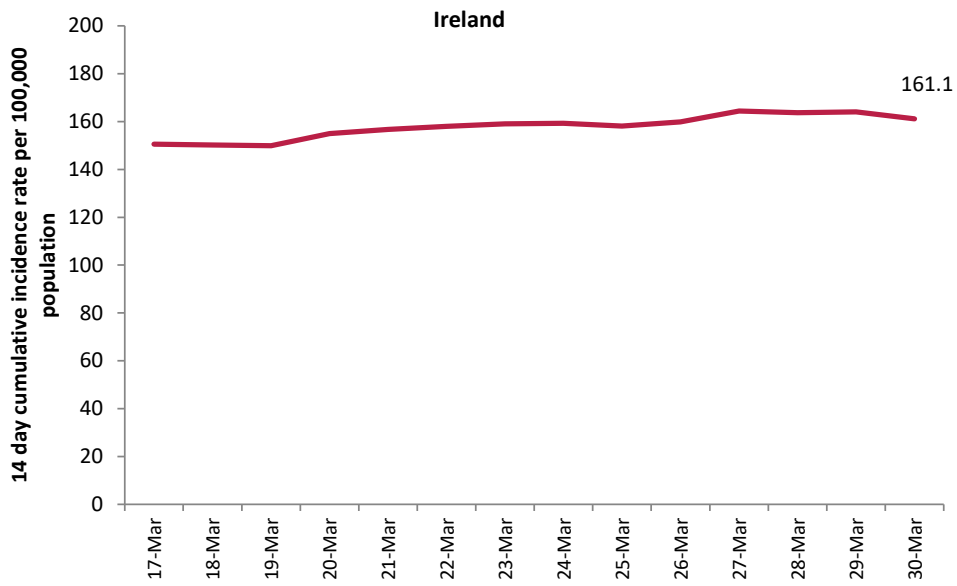


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (17/03/2021 to 30/03/2021)

*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 17/03/2021 to midnight 30/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	173	2.26%
Close contact with a known confirmed case	4236	55.24%
Healthcare setting acquired: patient	114	1.49%
Healthcare setting acquired: staff	51	0.67%
Community transmission	1576	20.55%
Under investigation	1519	19.81%
Total	7669	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 17/03/2021 to midnight 30/03/2021 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	677	8	2.47	0	0
5-12 yrs	1040	9	2.78	0	0
13-18 yrs	611	9	2.78	0	0
19-24 yrs	663	8	2.47	0	0
25-34 yrs	1220	21	6.48	<5	
35-44 yrs	1430	39	12.04	<5	
45-54 yrs	885	29	8.95	6	21.43
55-64 yrs	562	46	14.20	7	25.00
65-74 yrs	320	63	19.44	5	17.86
75-84 yrs	188	57	17.59	5	17.86
85+ yrs	73	35	10.80	0	0
Total	7,669	324	100	28	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

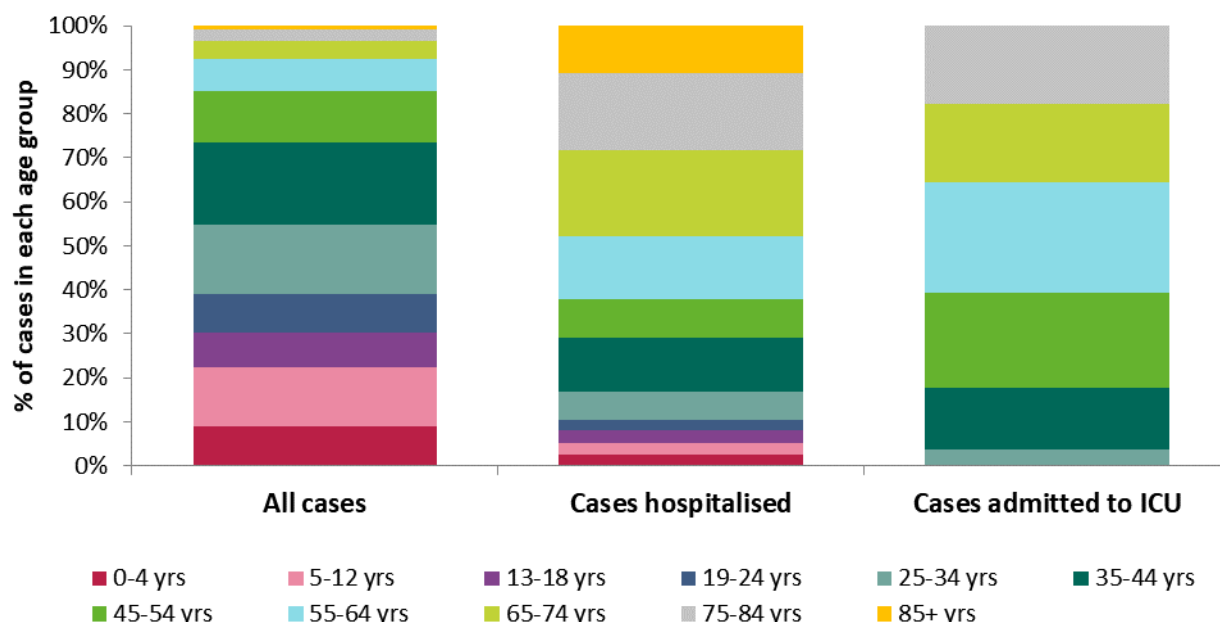


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 17/03/2021 to midnight 30/03/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 17/03/2021 up to midnight 30/03/2021

	Number	Percent
Total number of deaths	15	
Confirmed	14	93.33
Probable	1	6.67
Total number of cases hospitalised	12	80
Total number of male cases	9	60
M:F ratio	1.5	
Median age (years)	79	
Mean age (years)	77	
Age range (years)	49 - 93	

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 08:28 on 31/03/2021. 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.

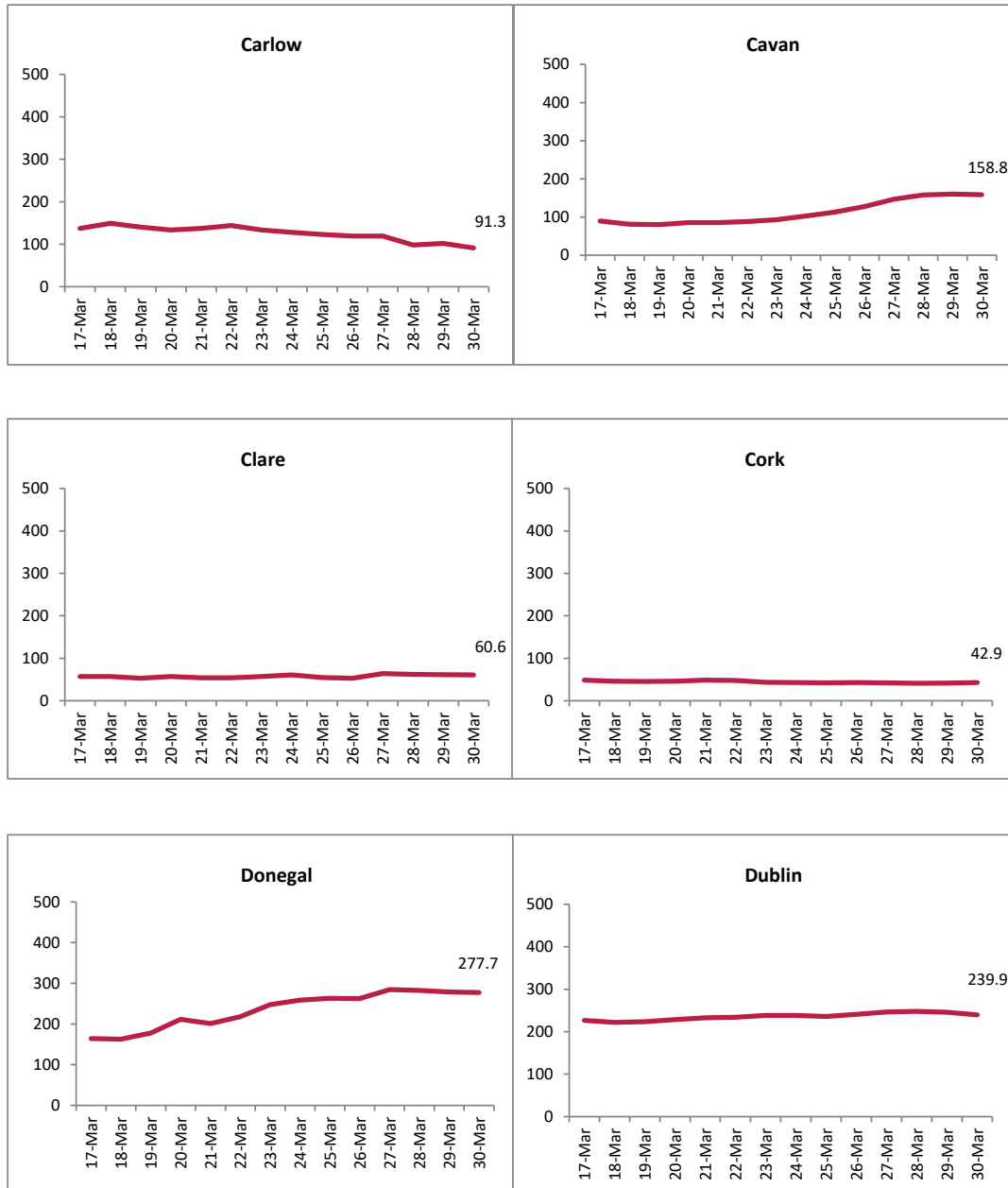
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

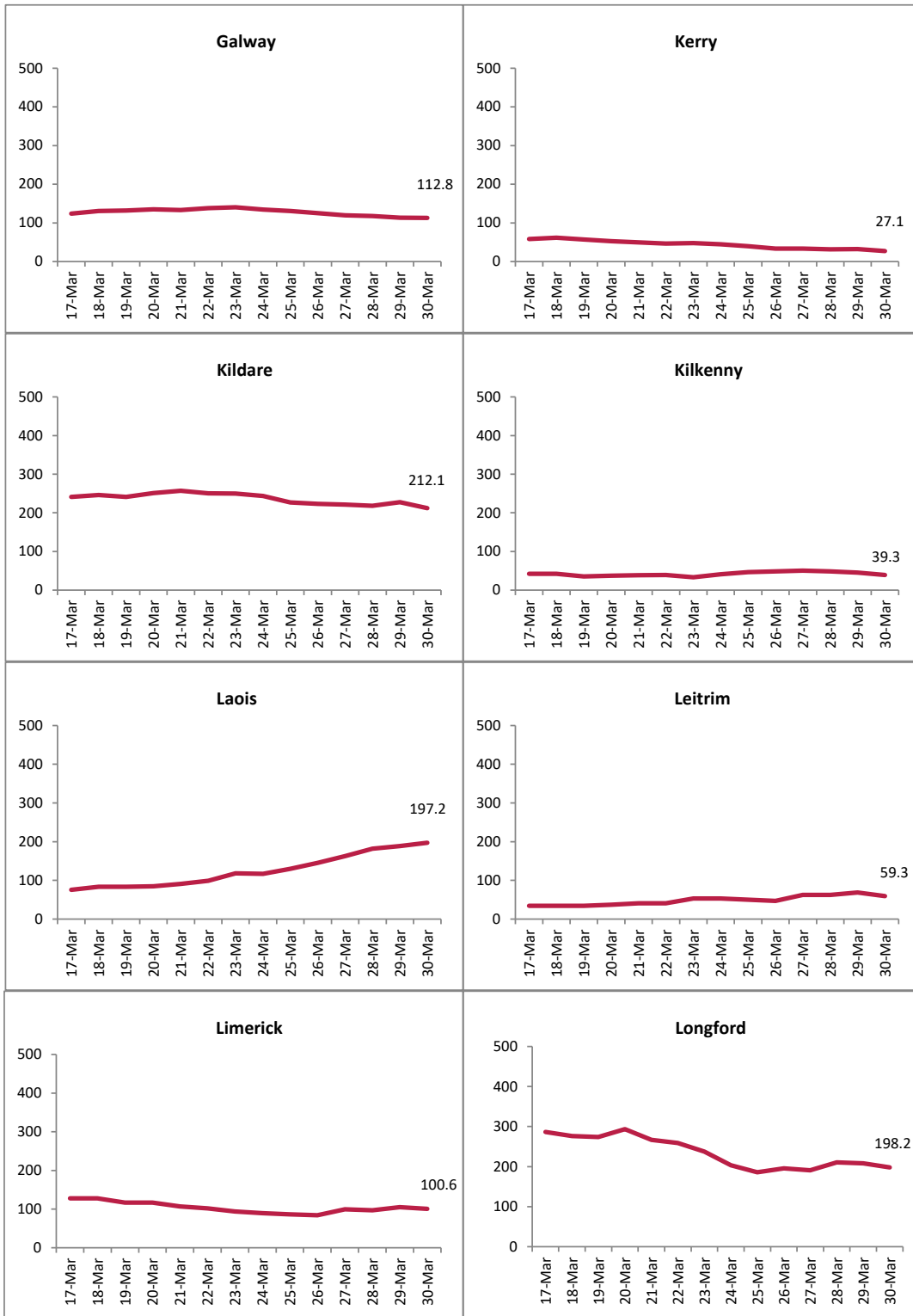
WHO definition of transmission classification is specified below:

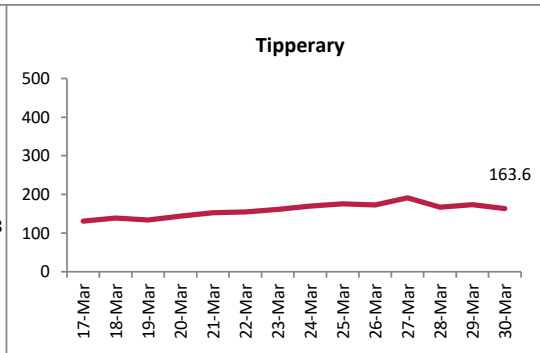
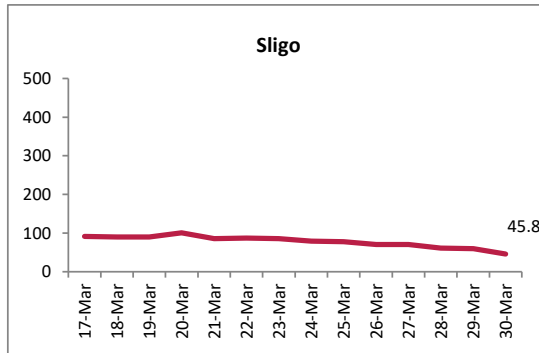
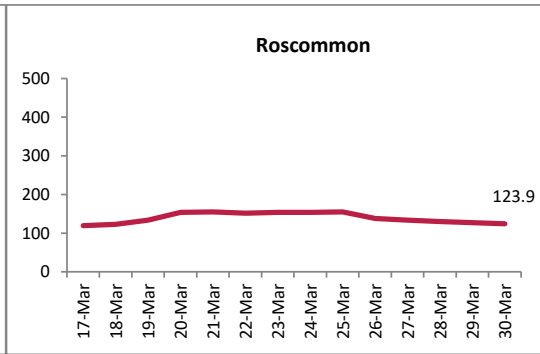
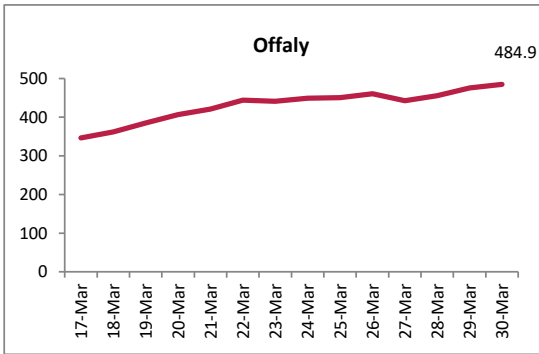
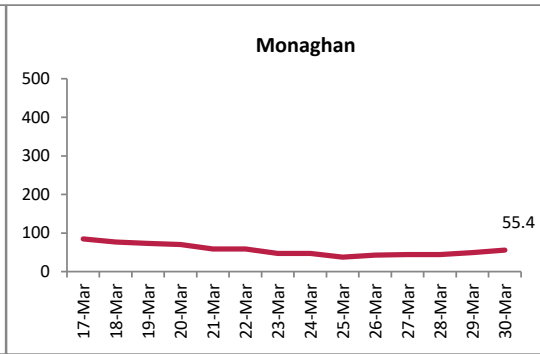
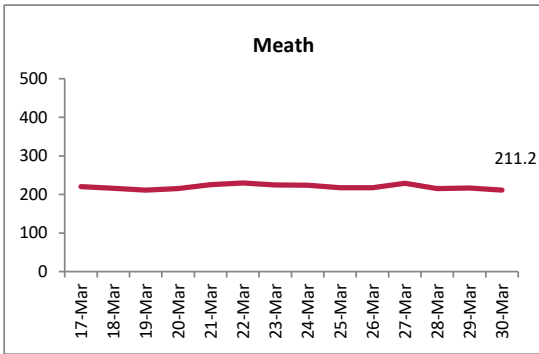
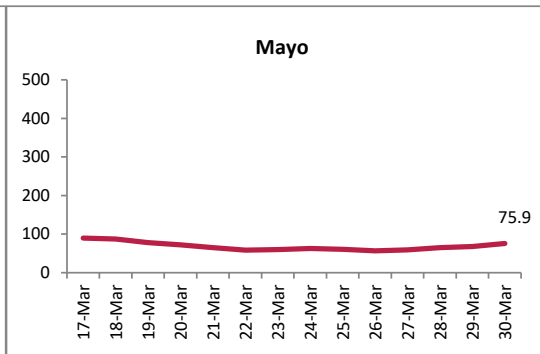
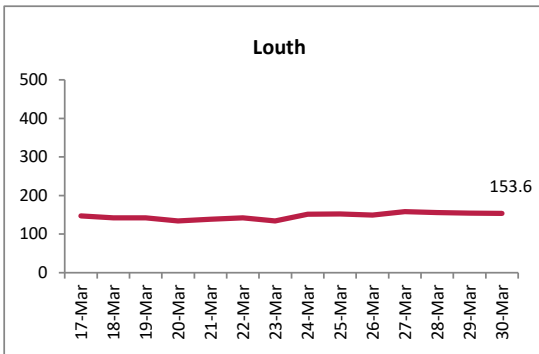
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (17/03/2021 to 30/03/2021)







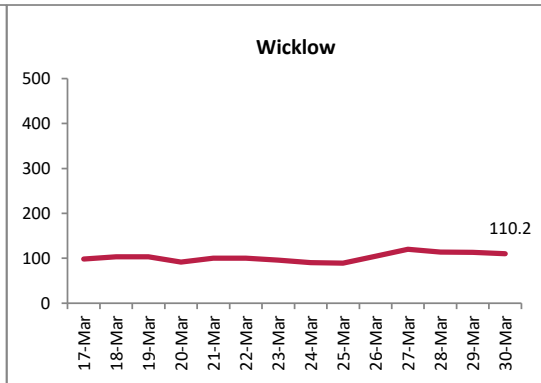
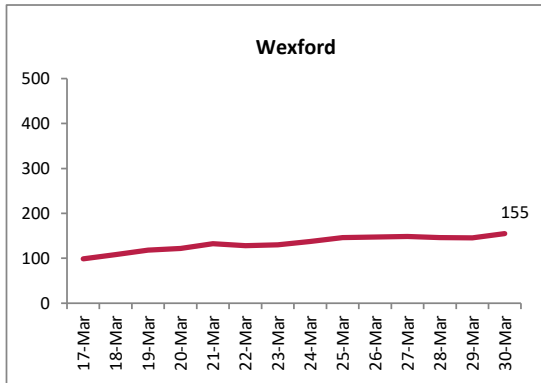
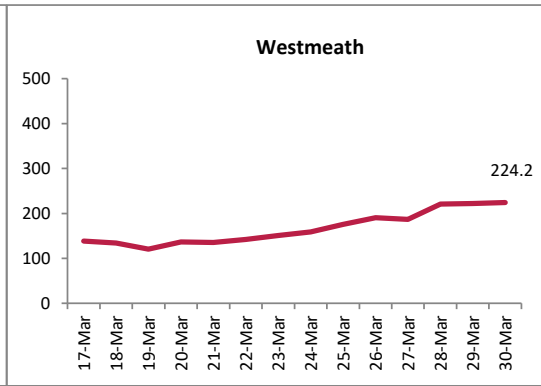
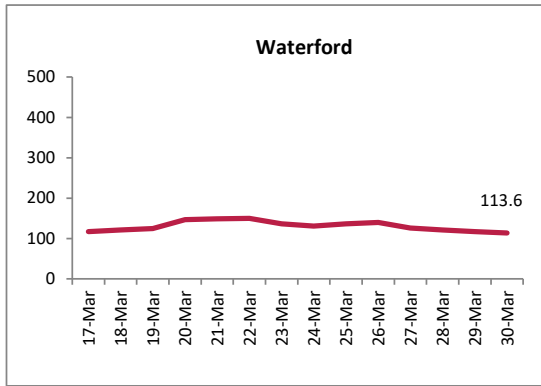


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (17/03/2021 to 30/03/2021)

