



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 30/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/03/2021 up to midnight 29/03/2021

	Number	Percent
Total number of confirmed cases	7,816	
National incidence of confirmed cases per 100,000 population	164.14	
Number of cases hospitalised*	332	4.25
Number of cases admitted to ICU*	20	0.26
Number of deaths among confirmed cases	16	0.2
Case fatality ratio (CFR, %)	0.2	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,885	24.12
Number of imported cases	72	0.92
Number of cases in healthcare workers	211	2.7
% HCW where HCW status known (n=6,276)		3.36
Males	3,878	49.62
Females	3,925	50.22
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
16/03/2021 - 29/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:04 on 30/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

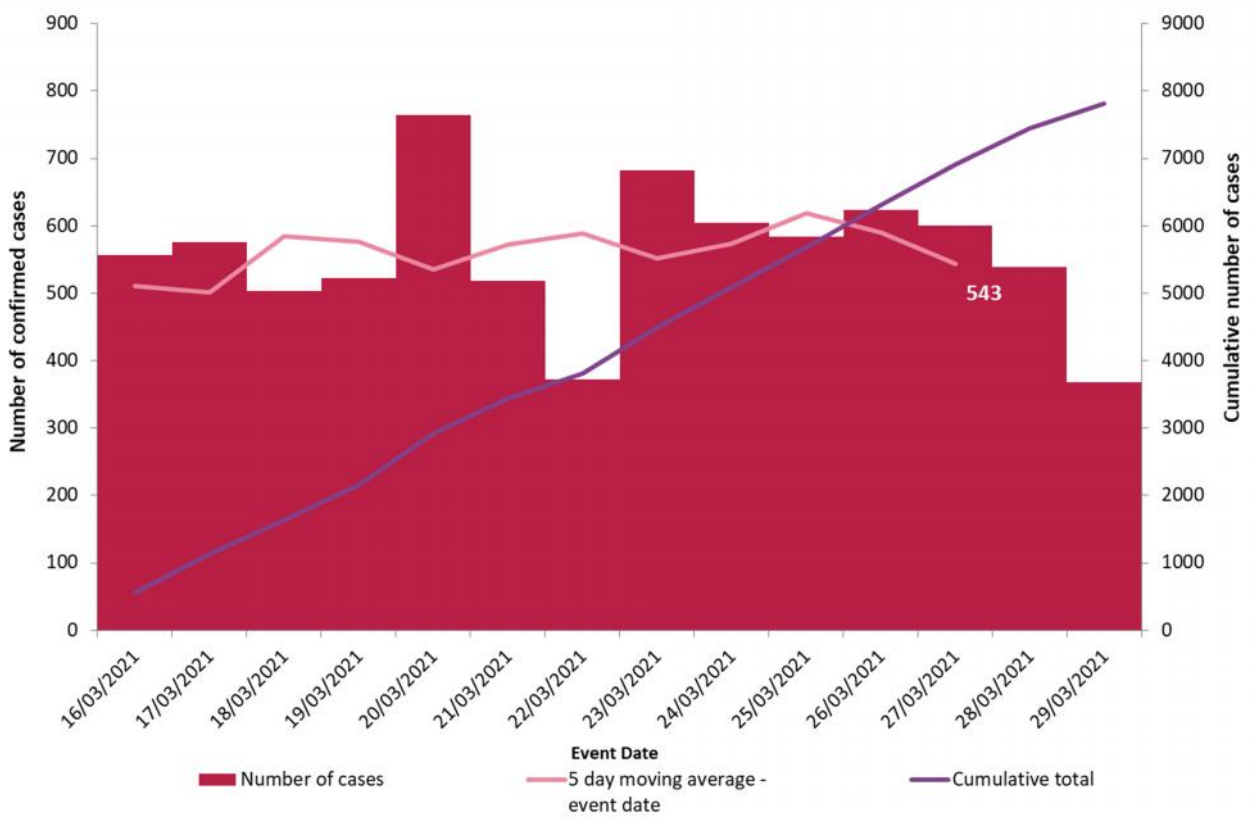


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,816)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 16/03/2021 up to midnight on 29/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,816	100
Sex	Male:Female ratio	0.99	
	Male	3,878	49.62
	Female	3,925	50.22
	Unknown	13	0.17
Age	Median age (years)	32	
	Mean age (years)	32	
	Age range (years)	0 - 99	
	0-4 yrs	722	9.24
	5-12 yrs	1,059	13.55
	13-18 yrs	623	7.97
	19-24 yrs	671	8.58
	25-34 yrs	1,261	16.13
	35-44 yrs	1,429	18.28
	45-54 yrs	886	11.34
	55-64 yrs	567	7.25
	65-74 yrs	332	4.25
	75-84 yrs	192	2.46
	85+ yrs	74	0.95
Symptom status at time of test*	Yes	4,635	59.3
	No	1,733	22.17
	Unknown	1,448	18.53

*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 16/03/2021 to midnight 29/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	656	167.7
CHO2	463	102.2
CHO3	399	103.6
CHO4	271	39.2
CHO5	611	119.7
CHO6	577	150.6
CHO7	1,377	194.6
CHO8	1,435	231.7
CHO9	2,027	326.2
Total	7,816	164.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/03/2021 to midnight 29/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (25/03/2021-29/03/2021)
Offaly	370	474.6	25
Donegal	444	278.9	28
Dublin	3315	246.0	223
Kildare	505	227.0	38
Westmeath	197	221.9	21
Meath	423	216.9	28
Longford	85	208.0	5
Laois	159	187.7	15
Tipperary	275	172.4	16
Cavan	121	158.8	12
Louth	199	154.4	14
Wexford	218	145.6	15
Roscommon	82	127.0	3
Waterford	135	116.2	7
Galway	292	113.2	16
Wicklow	161	113.0	16
Limerick	206	105.7	19
Carlow	60	105.4	3
Leitrim	22	68.7	2
Mayo	89	68.2	9
Clare	73	61.4	5
Sligo	39	59.5	0
Monaghan	30	48.9	3
Kilkenny	45	45.3	2
Cork	223	41.1	17
Kerry	48	32.5	2
Total	7,816	164.1	543

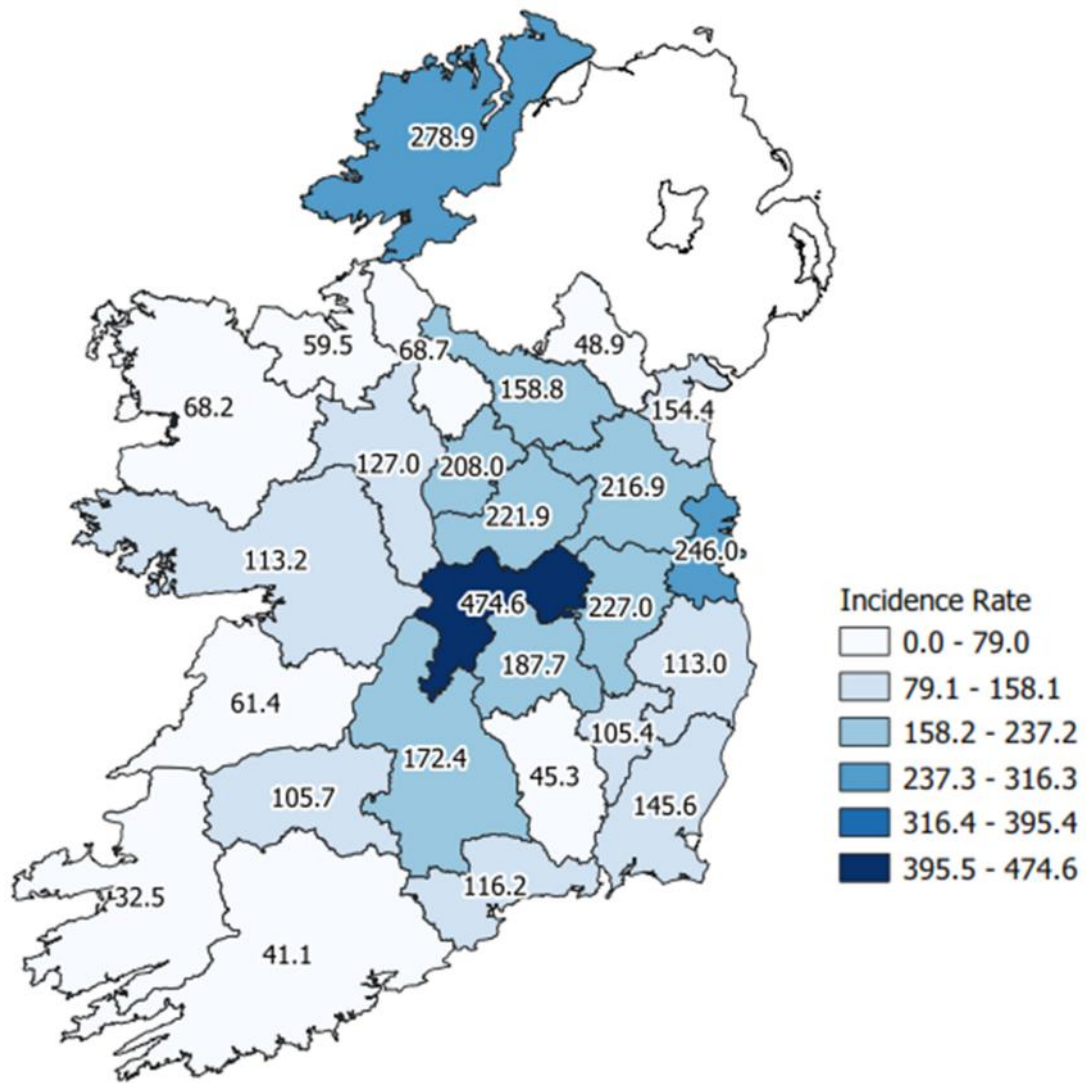


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 16/03/2021 and 29/03/2021

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

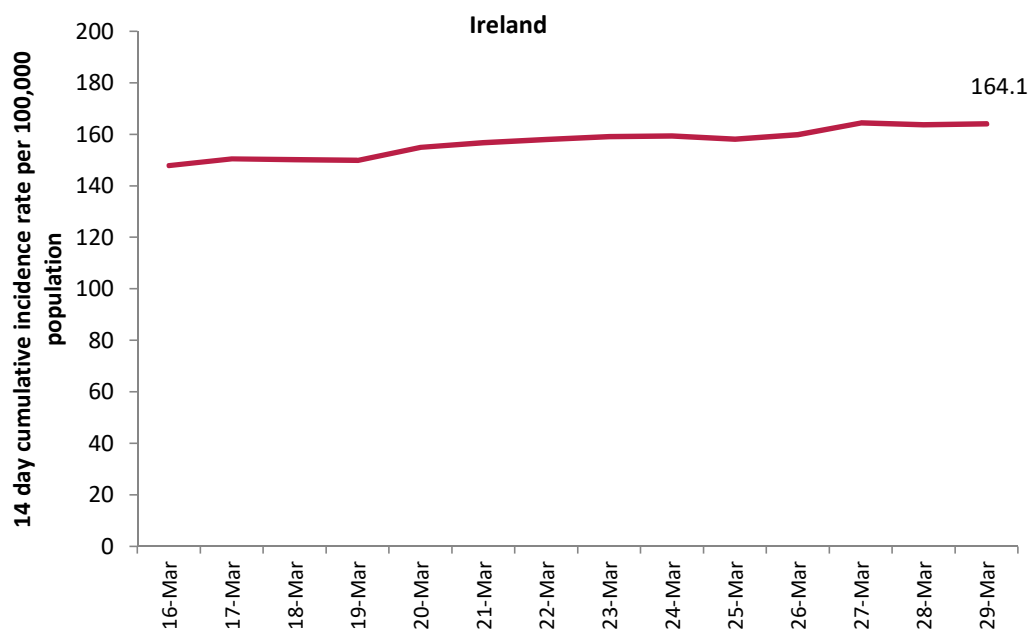


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (16/03/2021 to 29/03/2021)

*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 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 16/03/2021 to midnight 29/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	164	2.10%
Close contact with a known confirmed case	4301	55.03%
Healthcare setting acquired: patient	120	1.54%
Healthcare setting acquired: staff	54	0.69%
Community transmission	1600	20.47%
Under investigation	1577	20.18%
Total	7816	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 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 16/03/2021 to midnight 29/03/2021 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	722	10	3.01	<5	
5-12 yrs	1059	9	2.71	0	0
13-18 yrs	623	10	3.01	0	0
19-24 yrs	671	8	2.41	0	0
25-34 yrs	1261	22	6.63	<5	
35-44 yrs	1429	39	11.75	<5	
45-54 yrs	886	27	8.13	<5	
55-64 yrs	567	43	12.95	<5	
65-74 yrs	332	71	21.39	6	30
75-84 yrs	192	59	17.77	<5	
85+ yrs	74	34	10.24	0	0
Total	7,816	332	100	20	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

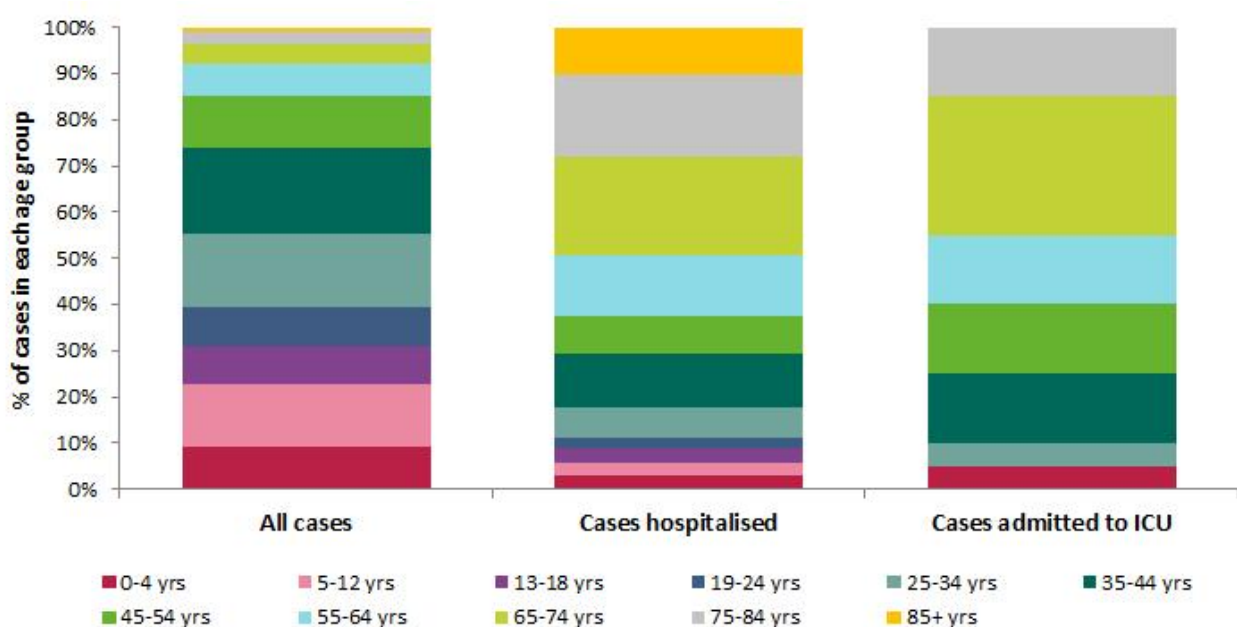


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 16/03/2021 to midnight 29/03/2021 in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Deaths among COVID-19 cases

Table 6: Summary of deaths in all COVID-19 cases notified in Ireland from 16/03/2021 up to midnight 29/03/2021

	Number	Percent
Total number of deaths	17	
Confirmed	16	94.12
Probable	1	5.88
Total number of cases hospitalised	13	76.47
Number with underlying clinical conditions	16	94.12*
Total number of male cases	10	58.82
M:F ratio	1.43	
Median age (years)	79	
Mean age (years)	77	
Age range (years)	49 - 93	

*The proportion of cases with underlying clinical conditions may be underestimated due to a delay in updating/validating data.

Table 7: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 16/03/2021 up to midnight 29/03/2021

Age group (years)	Female	Male	Total	Percent
<75 yrs	*	*	6	35.29
75+ yrs	*	*	11	64.71
Total	7	10	17	100
Percent	41.18	58.82		

*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 at 08:04 on 30/03/2021. 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.

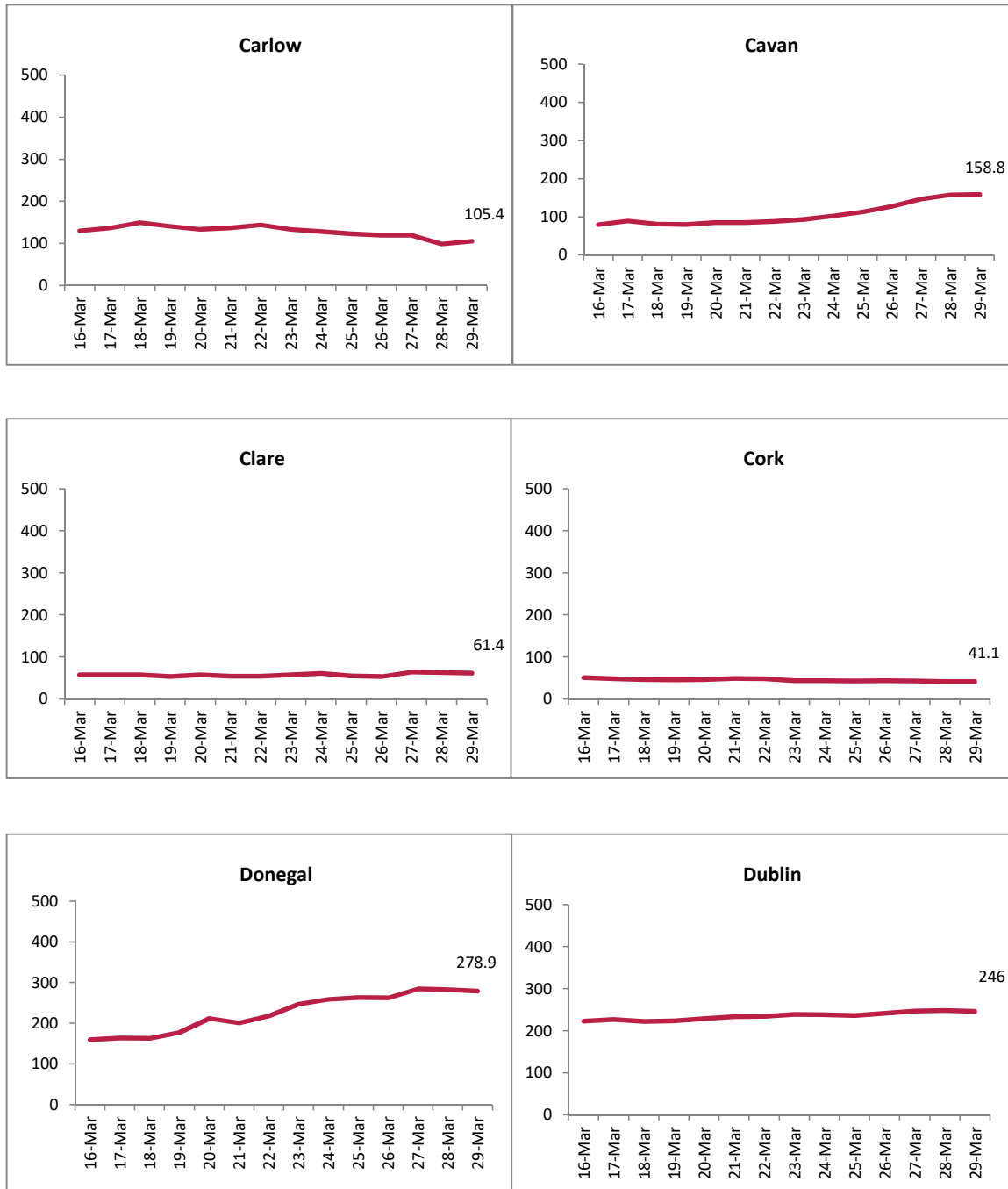
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

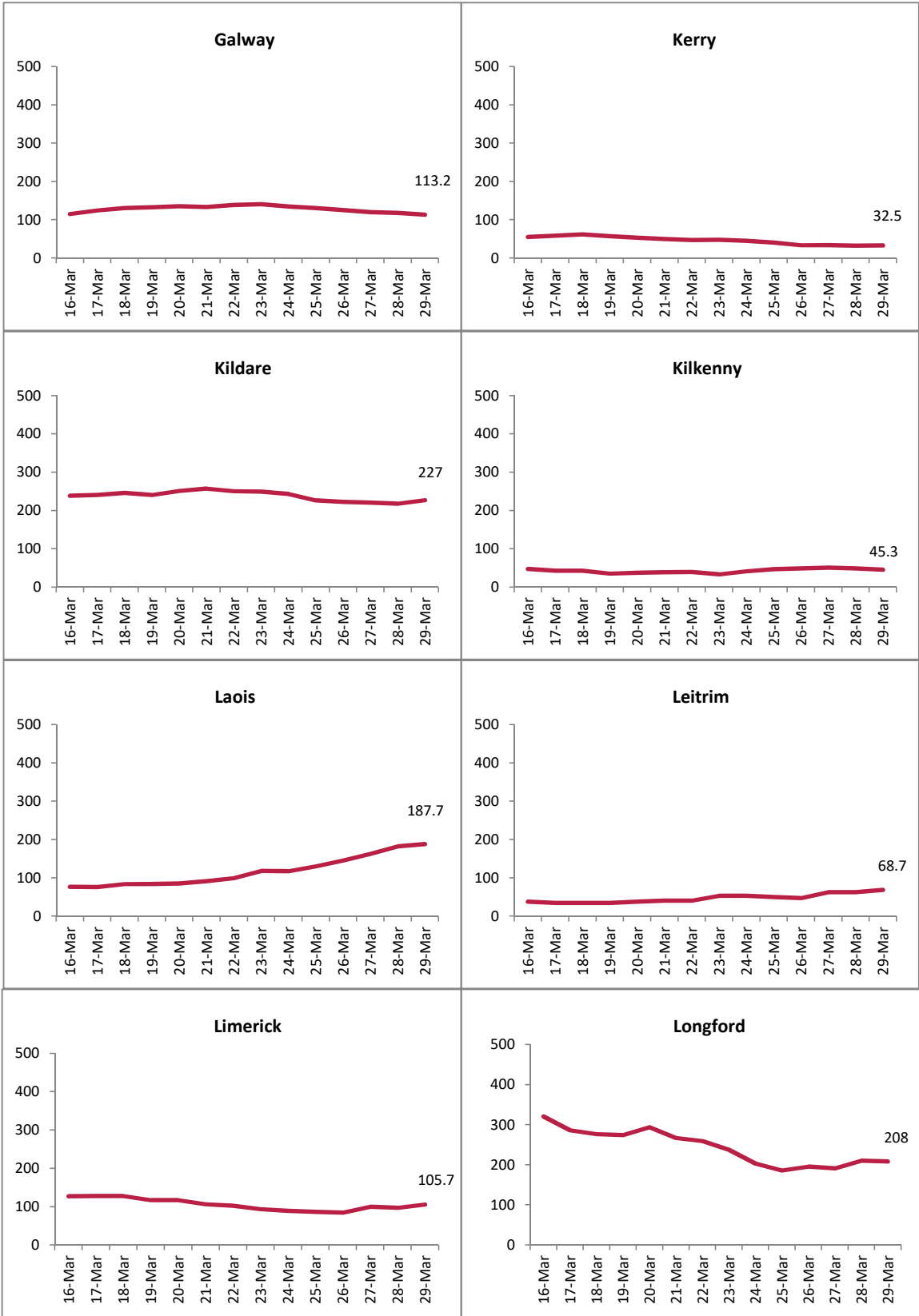
WHO definition of transmission classification is specified below:

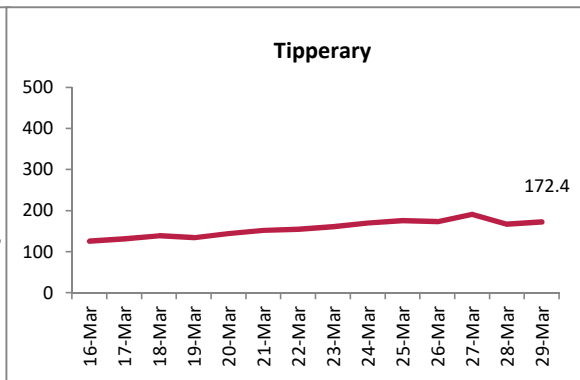
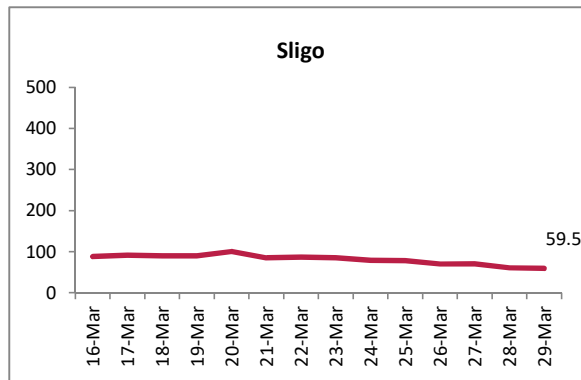
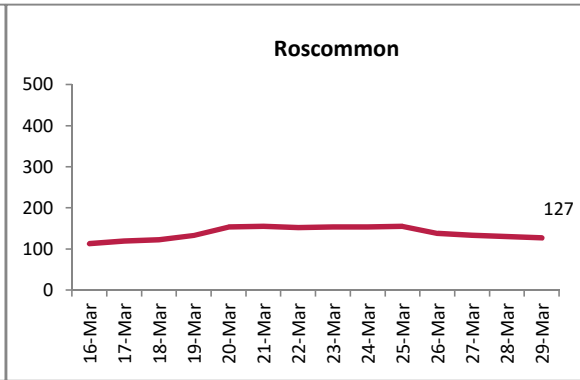
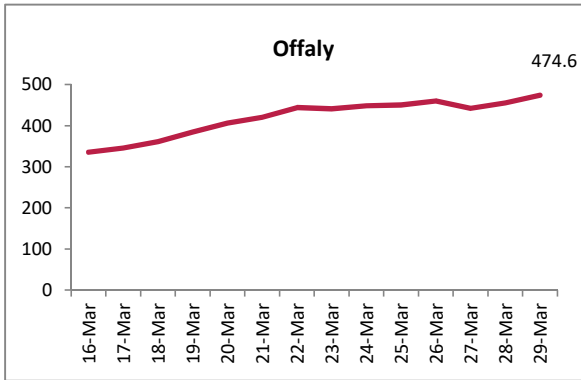
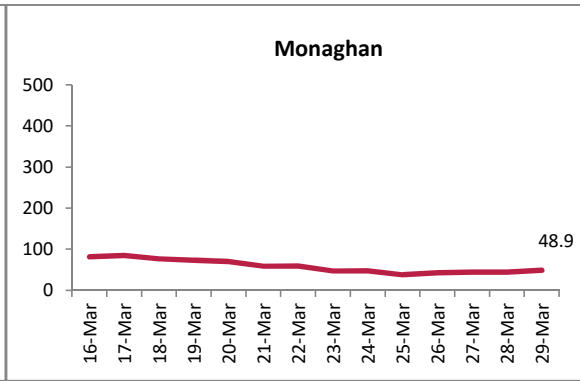
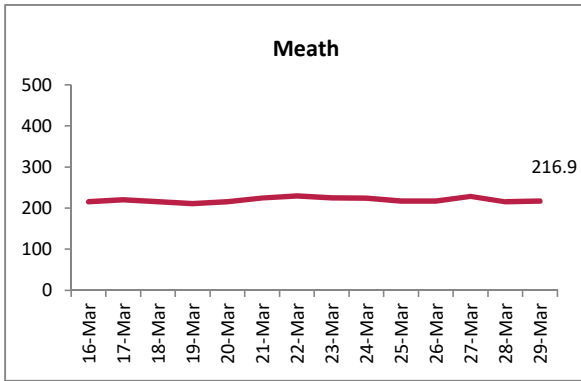
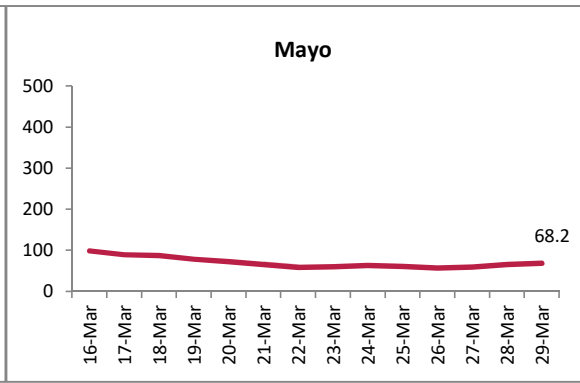
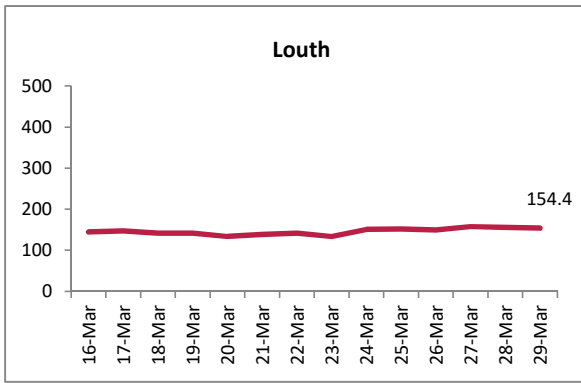
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (16/03/2021 to 29/03/2021)









Please be advised that the CCA data are being validated and the CCA graphs will be reintroduced once validation is complete.