



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/03/2021 up to midnight 19/03/2021

	Number	Percent
Total number of confirmed cases	7,152	
National incidence of confirmed cases per 100,000 population	150.19	
Number of cases hospitalised*	354	4.95
Number of cases admitted to ICU*	23	0.32
Number of deaths among confirmed cases	16	0.22
Case fatality ratio (CFR, %)	0.22	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,562	21.84
Number of imported cases	50	0.7
Number of cases in healthcare workers	237	3.31
Males	3,561	49.79
Females	3,584	50.11
M:F ratio	0.99	
Median age (years)	31	
Mean age (years)	33	
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
06/03/2021 - 19/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 14:54 on 20/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

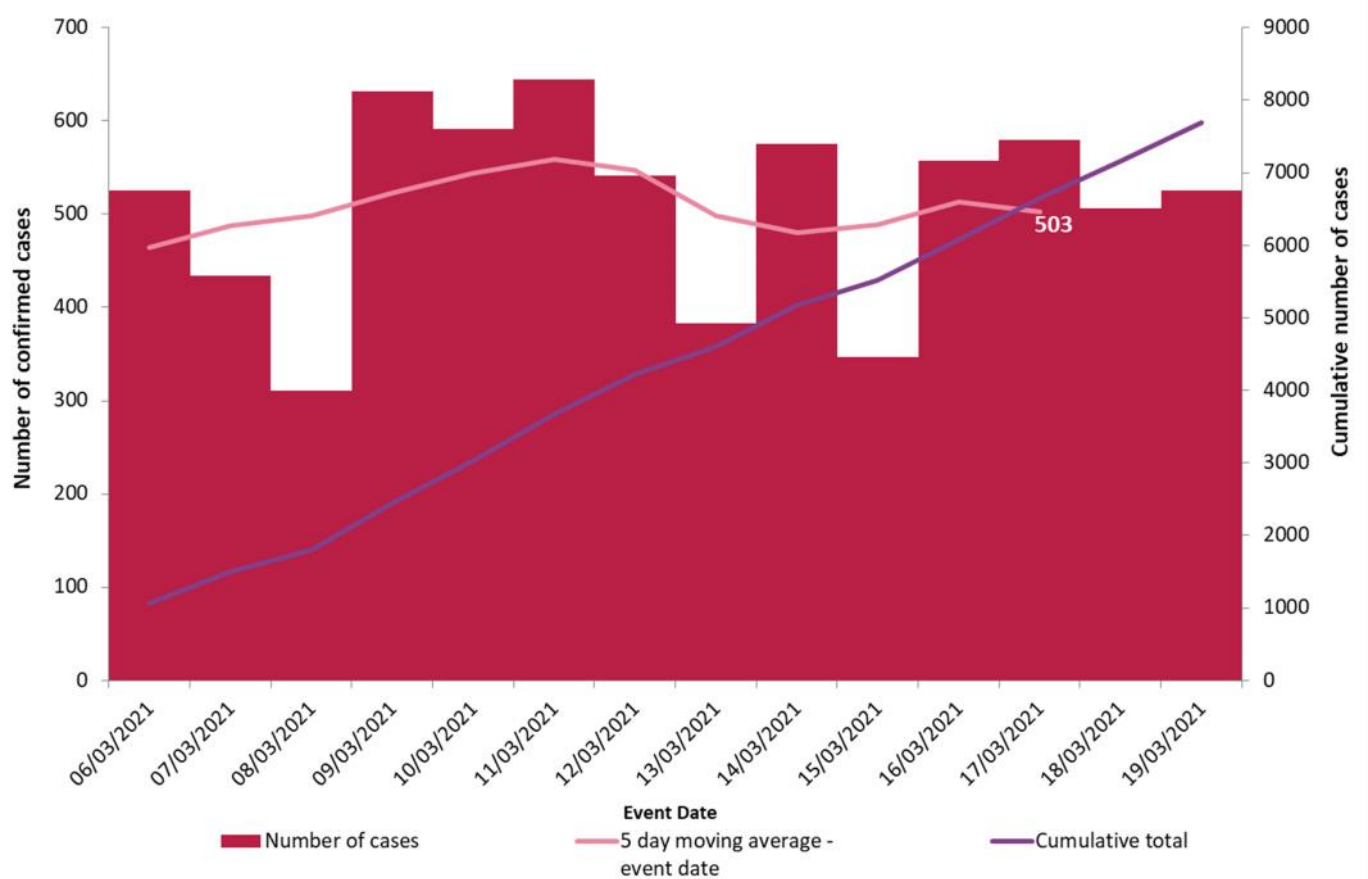


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,152)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 06/03/2021 up to midnight on 19/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,152	100
Sex	Male:Female ratio	0.99	
	Male	3,558	49.75
	Female	3,583	50.1
	Unknown	11	0.15
Age	Median age (years)	31	
	Mean age (years)	33	
	Age range (years)	0 - 99	
	0-4 yrs	528	7.38
	5-12 yrs	807	11.28
	13-18 yrs	614	8.59
	19-24 yrs	839	11.73
	25-34 yrs	1,181	16.51
	35-44 yrs	1,197	16.74
	45-54 yrs	839	11.73
	55-64 yrs	530	7.41
	65-74 yrs	339	4.74
	75-84 yrs	199	2.78
	85+ yrs	78	1.09
	Unknown	1	0.01

Table 2: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/03/2021 up to midnight on 19/03/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		7,152	100	
Symptom status at time of test*	Yes	4,155	58.1	73.42
	No	1,504	21.03	26.58
	Unknown	1,493	20.88	
	Total cases where known	5,659		
Healthcare worker	Yes	227	3.17	4.07
	No	5,347	74.76	95.93
	Unknown	1,578	22.06	
	Total cases where known	5,574		

*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 06/03/2021 to midnight 19/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	459	117.3
CHO2	528	116.5
CHO3	389	101.0
CHO4	332	48.1
CHO5	559	109.5
CHO6	699	182.4
CHO7	1,153	162.9
CHO8	1,191	192.3
CHO9	1,842	296.4
Total	7,152	150.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 06/03/2021 to midnight 19/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (15/03/2021-19/03/2021)
Offaly	303	388.7	17
Longford	113	276.5	7
Kildare	529	237.7	31
Dublin	3,018	224.0	226
Meath	411	210.7	28
Donegal	283	177.8	20
Carlow	88	154.6	6
Louth	183	142.0	12
Tipperary	214	134.1	16
Roscommon	86	133.2	7
Galway	341	132.1	25
Waterford	144	123.9	12
Westmeath	110	123.9	9
Wexford	177	118.2	17
Limerick	227	116.5	9
Wicklow	147	103.2	10
Sligo	59	90.0	4
Laois	71	83.8	7
Cavan	61	80.1	8
Mayo	101	77.4	3
Monaghan	45	73.3	2
Kerry	84	56.9	6
Clare	64	53.9	5
Cork	248	45.7	14
Leitrim	11	34.3	1
Kilkenny	34	34.3	3
Total	7,152	150.2	503

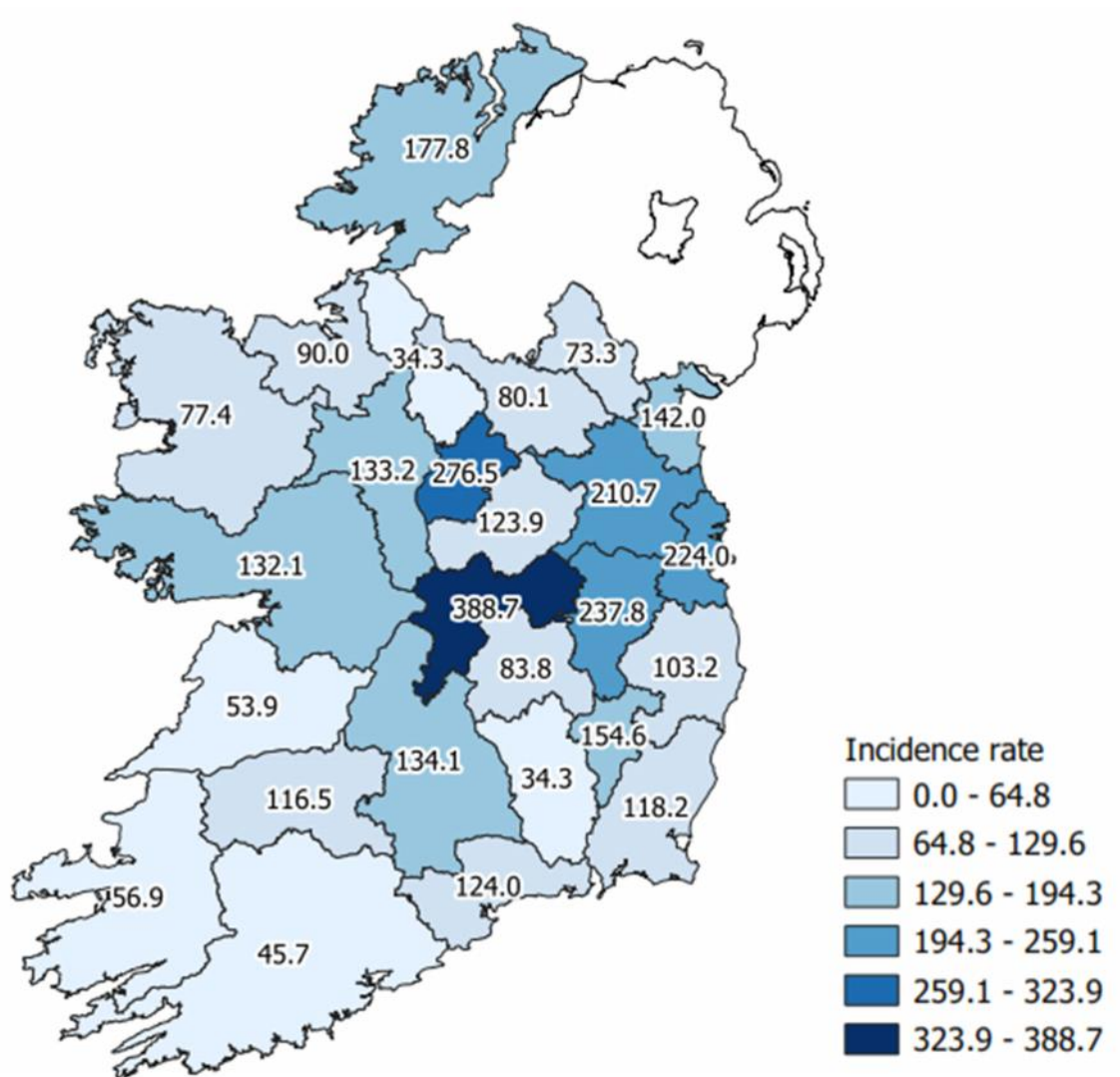


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/03/2021 and 19/03/2021

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 with a notification date between 06/03/2021 and 19/03/2021

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	140	102.9
CCA2	Dublin South East	416	336.3
CCA3	Dublin South City	111	74.0
CCA4	Dublin South West	207	128.7
CCA5	Dublin West	302	194.4
CCA6	Dublin North West	609	293.3
CCA7	Dublin North Central	750	485.2
CCA8	Dublin North	483	186.4
Dublin		3,018	224.0

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.

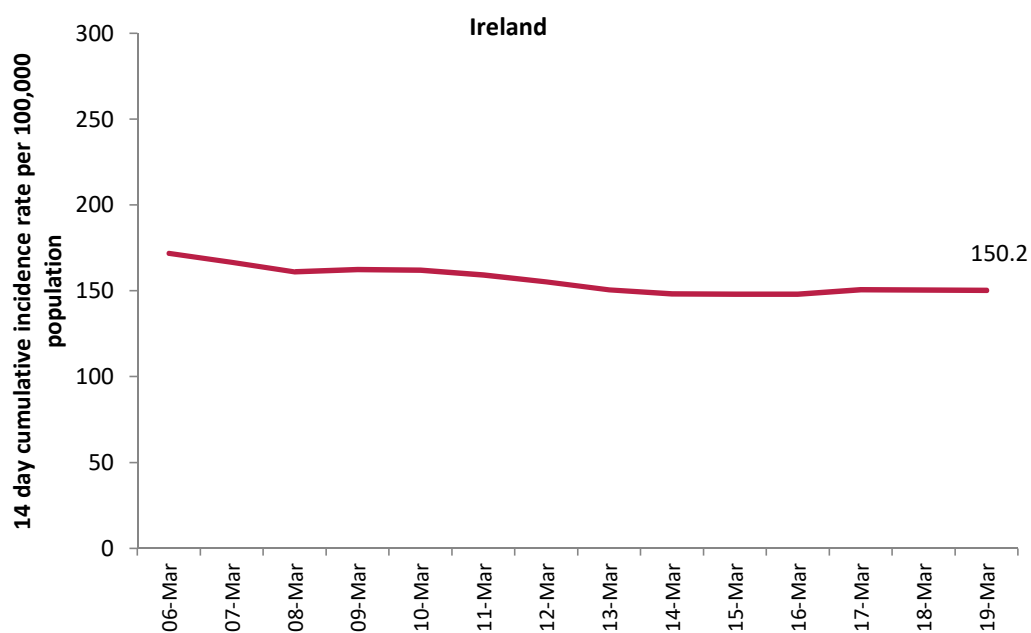


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (06/03/2021 to 19/03/2021)

*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 06/03/2021 to midnight 19/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	128	1.79%
Close contact with a known confirmed case	3,831	53.57%
Healthcare setting acquired: patient	105	1.47%
Healthcare setting acquired: staff	51	0.71%
Community transmission	1,472	20.58%
Under investigation	1,565	21.88%
Total	7,152	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 06/03/2021 to midnight 19/03/2021 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	528	11	3.11	0	0
5-12 yrs	807	3	0.85	0	0
13-18 yrs	614	9	2.54	0	0
19-24 yrs	839	20	5.65	<5	
25-34 yrs	1181	23	6.50	<5	
35-44 yrs	1197	37	10.45	<5	
45-54 yrs	839	38	10.73	8	34.78
55-64 yrs	530	36	10.17	<5	8.70
65-74 yrs	339	64	18.08	7	30.43
75-84 yrs	199	76	21.47	<5	
85+ yrs	78	37	10.45	<5	
Unknown	1			0	0
Total	7,152	354	100	23	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

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 06/03/2021 up to midnight 19/03/2021

	Number	Percent
Total number of deaths	19	
Confirmed	16	84.21
Possible	3	15.79
Total number of cases hospitalised	17	89.47
Total number of male cases	13	68.42
M:F ratio	2.17	
Median age (years)	79	
Mean age (years)	77	
Age range (years)	55 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 06/03/2021 up to midnight 19/03/2021

Age group (years)	Female	Male	Total	Percent
55-64 yrs		<5	3	15.79
65-74 yrs	<5	<5	3	15.79
75-84 yrs	<5	<5	9	47.37
85+ yrs	<5	<5	4	21.05
Total	6	13	19	100.00
Percent	31.58	68.42		

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.

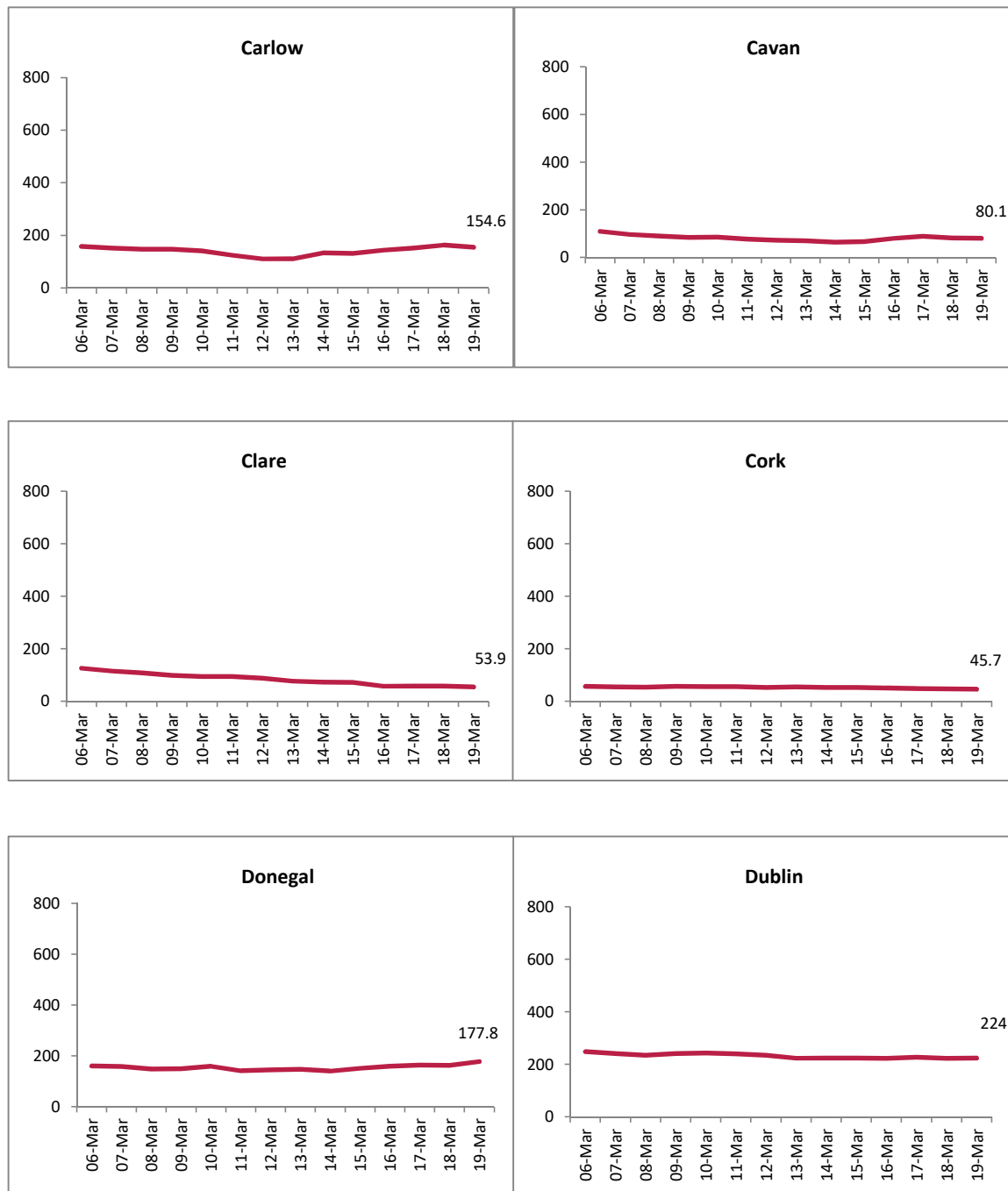
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

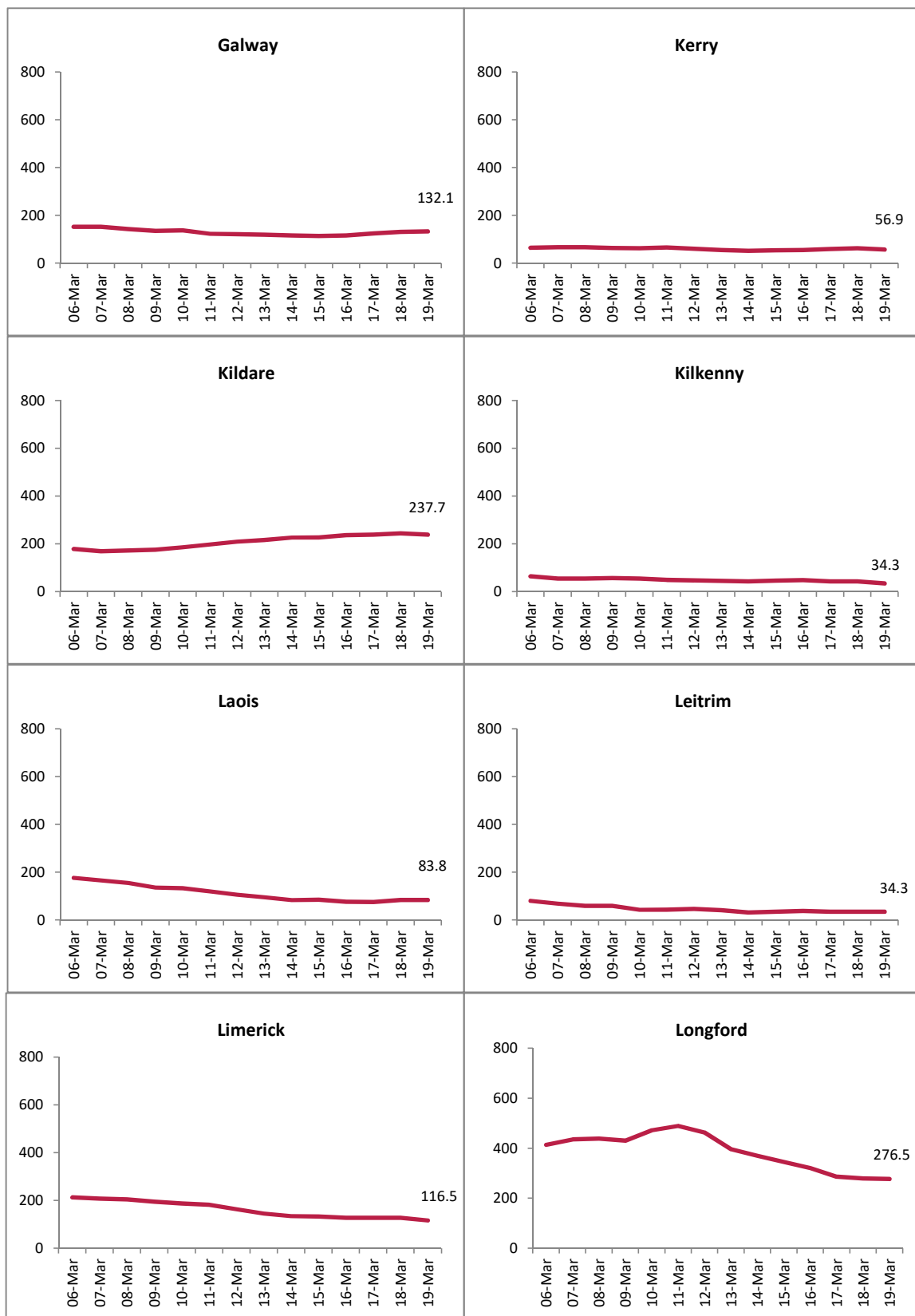
WHO definition of transmission classification is specified below:

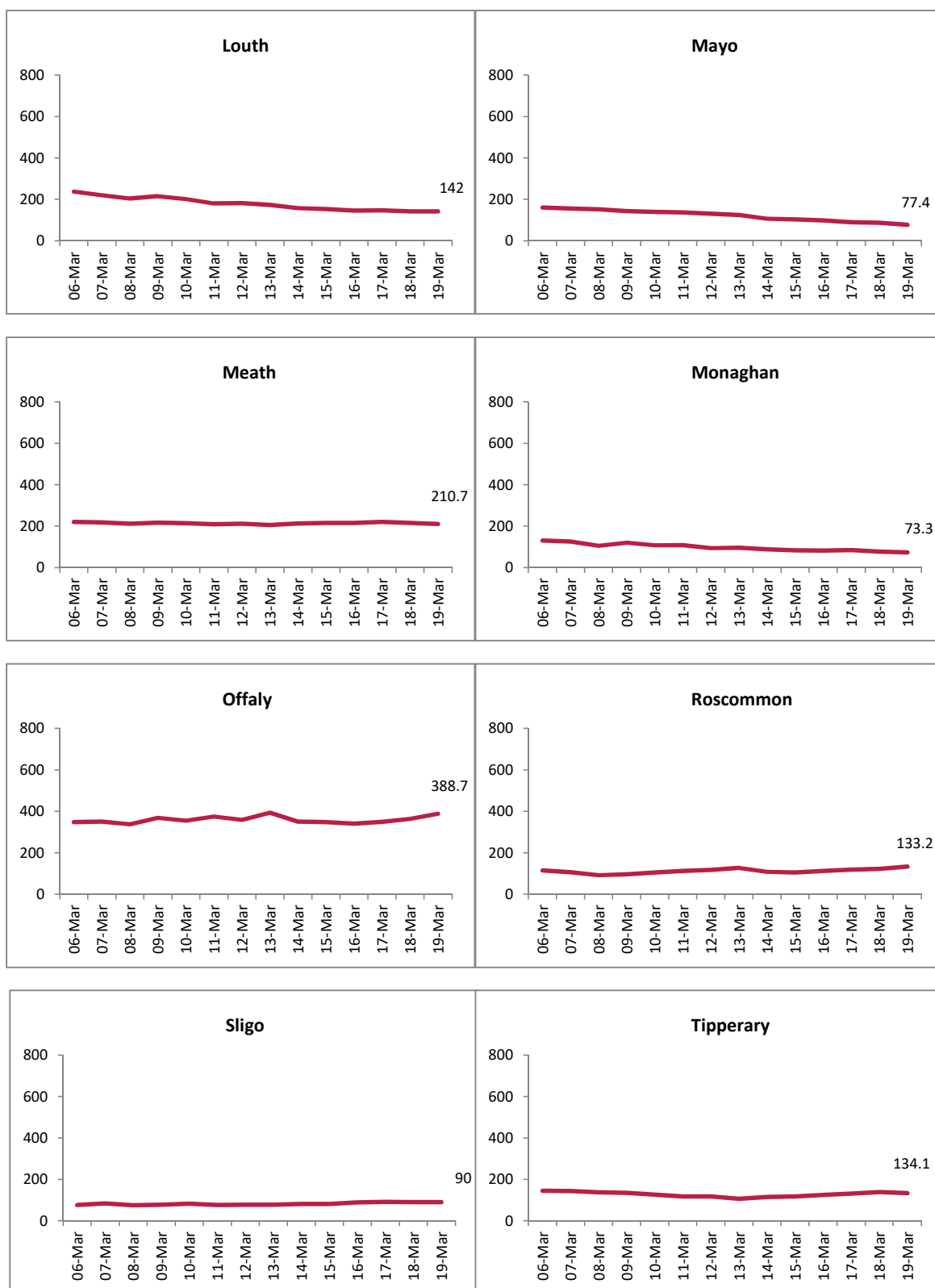
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (06/03/2021 to 19/03/2021)







Report prepared by Health Protection Surveillance Centre on 20/03/2021

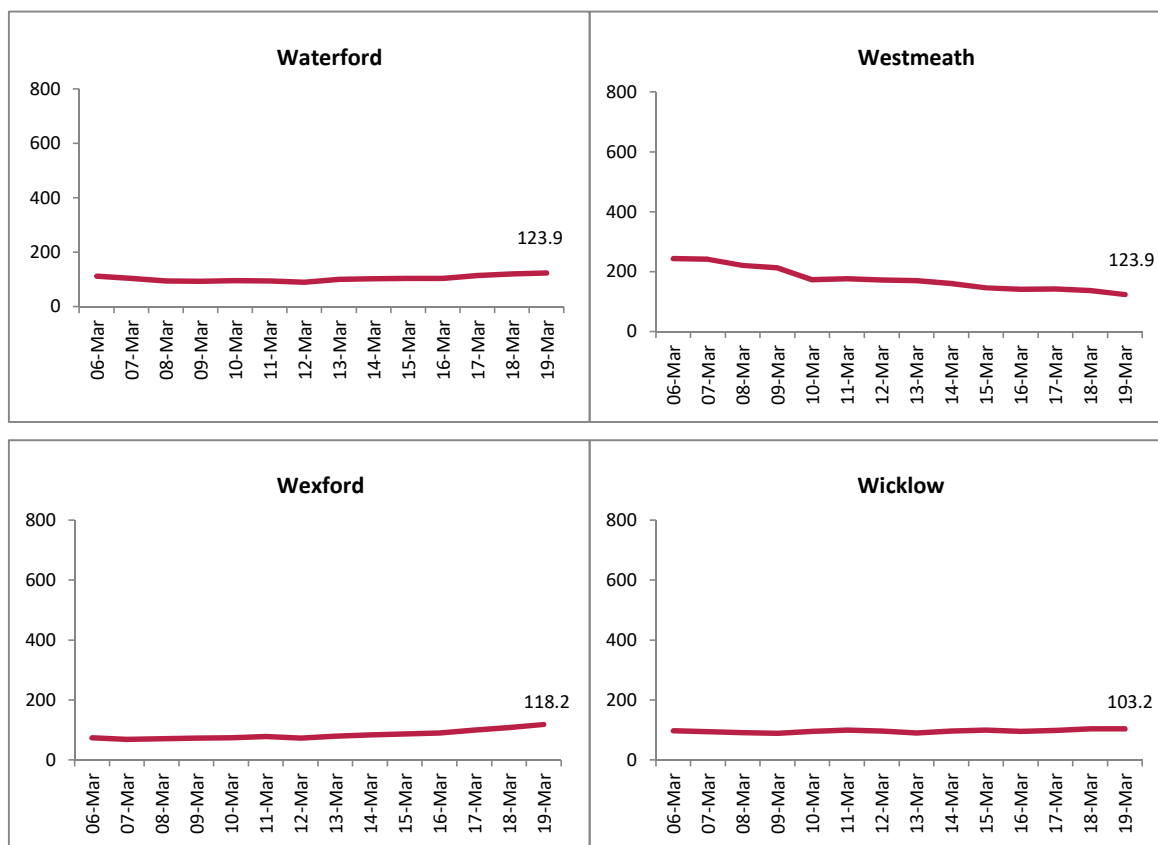


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (06/03/2021 to 19/03/2021)

