



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 23/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 09/03/2021 up to midnight 22/03/2021

	Number	Percent
Total number of confirmed cases	7,538	
National incidence of confirmed cases per 100,000 population	158.3	
Number of cases hospitalised*	363	4.82
Number of cases admitted to ICU*	27	0.36
Number of deaths among confirmed cases	18	0.24
Case fatality ratio (CFR, %)	0.24	
National incidence of confirmed deaths per 100,000 population	0.38	
Number of cases** associated with clusters	1,707	22.65
Number of imported cases	58	0.77
Number of cases in healthcare workers	243	3.22
Males	3,740	49.62
Females	3,788	50.25
M:F ratio	0.99	
Median age (years)	31	
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
09/03/2021 - 22/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:45 on 23/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

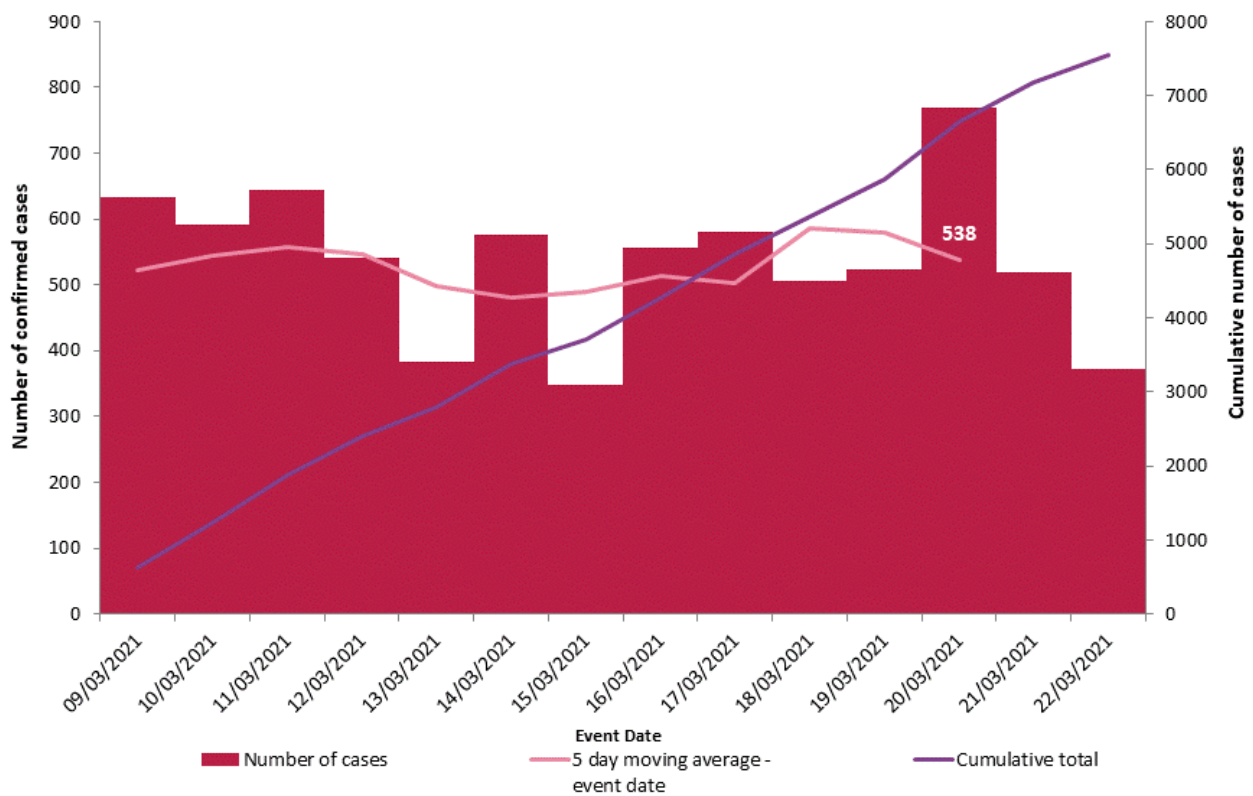


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,538)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 09/03/2021 up to midnight on 22/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,538	100
Sex	Male:Female ratio	0.99	
	Male	3,740	49.62
	Female	3,788	50.25
	Unknown	10	0.13
Age	Median age (years)	31	
	Mean age (years)	32	
	Age range (years)	0 - 99	
	0-4 yrs	612	8.12
	5-12 yrs	926	12.28
	13-18 yrs	648	8.6
	19-24 yrs	790	10.48
	25-34 yrs	1,260	16.72
	35-44 yrs	1,293	17.15
	45-54 yrs	852	11.3
	55-64 yrs	543	7.2
	65-74 yrs	330	4.38
	75-84 yrs	204	2.71
	85+ yrs	80	1.06
Symptom status at time of test*	Yes	4,518	59.94
	No	1,599	21.21
	Unknown	1,421	18.85

*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 09/03/2021 to midnight 22/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	520	132.9
CHO2	530	117.0
CHO3	368	95.6
CHO4	329	47.6
CHO5	635	124.4
CHO6	722	188.4
CHO7	1,200	169.6
CHO8	1,298	209.6
CHO9	1,936	311.6
Total	7,538	158.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 09/03/2021 to midnight 22/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (18/03/2021-22/03/2021)
Offaly	346	443.8	31
Longford	107	261.8	8
Kildare	555	249.4	29
Dublin	3,160	234.5	232
Meath	448	229.7	31
Donegal	347	218.0	29
Carlow	101	177.4	7
Roscommon	98	151.8	7
Waterford	173	148.9	14
Tipperary	235	147.3	19
Westmeath	130	146.4	9
Louth	183	142.0	13
Galway	356	138.0	23
Wexford	192	128.2	17
Limerick	200	102.6	11
Wicklow	143	100.4	11
Laois	84	99.2	9
Cavan	67	88.0	3
Sligo	57	87.0	4
Monaghan	36	58.6	1
Mayo	76	58.2	4
Clare	64	53.9	4
Cork	259	47.7	17
Kerry	70	47.4	3
Leitrim	13	40.6	1
Kilkenny	38	38.3	3
Total	7,538	158.3	538

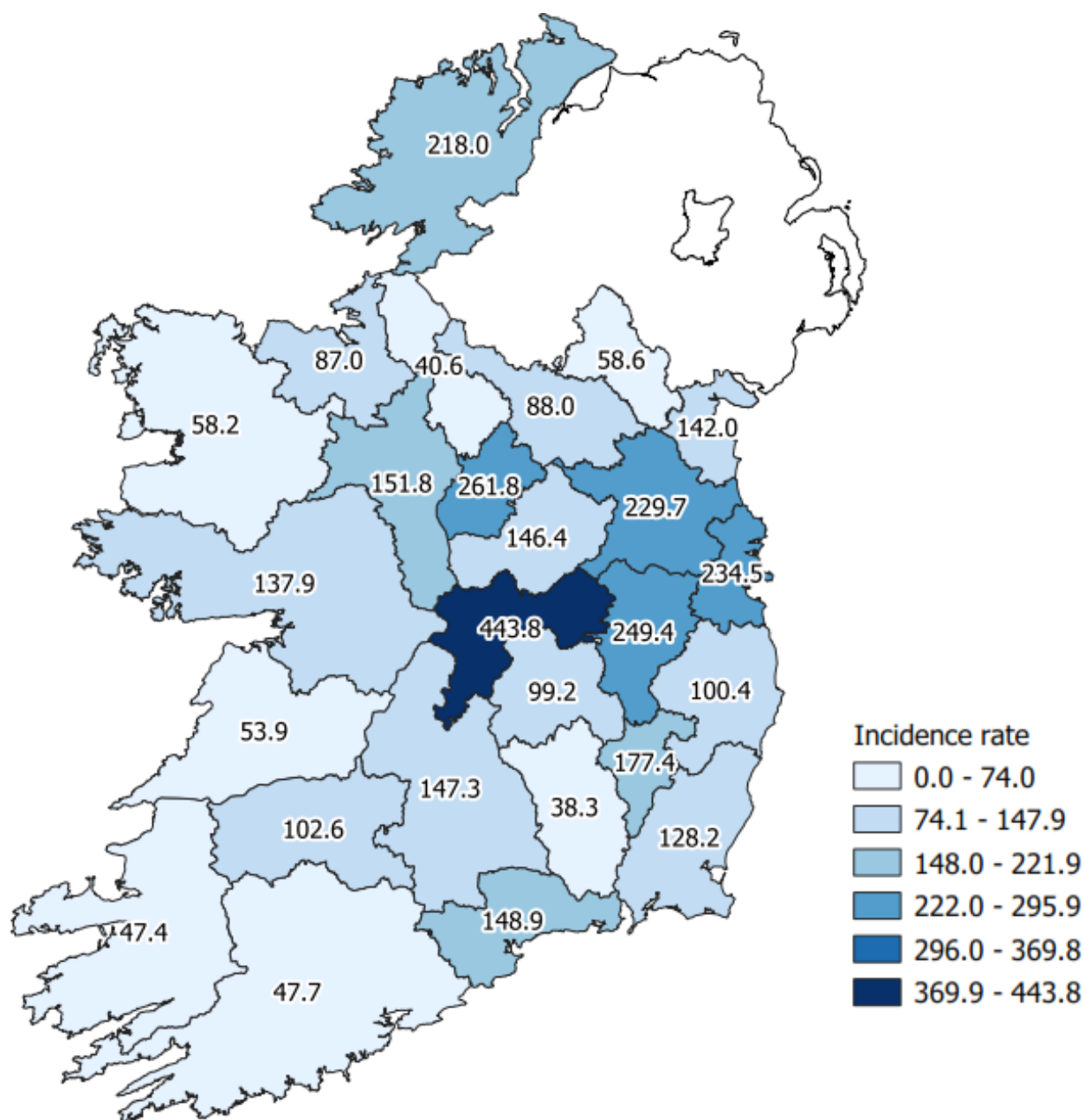


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 09/03/2021 and 22/03/2021

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 09/03/2021 and 22/03/2021

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	144	105.8
CCA2	Dublin South East	438	354.1
CCA3	Dublin South City	120	80.0
CCA4	Dublin South West	199	123.7
CCA5	Dublin West	323	207.9
CCA6	Dublin North West	642	309.1
CCA7	Dublin North Central	791	511.7
CCA8	Dublin North	503	194.1
Dublin		3,160	234.5

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

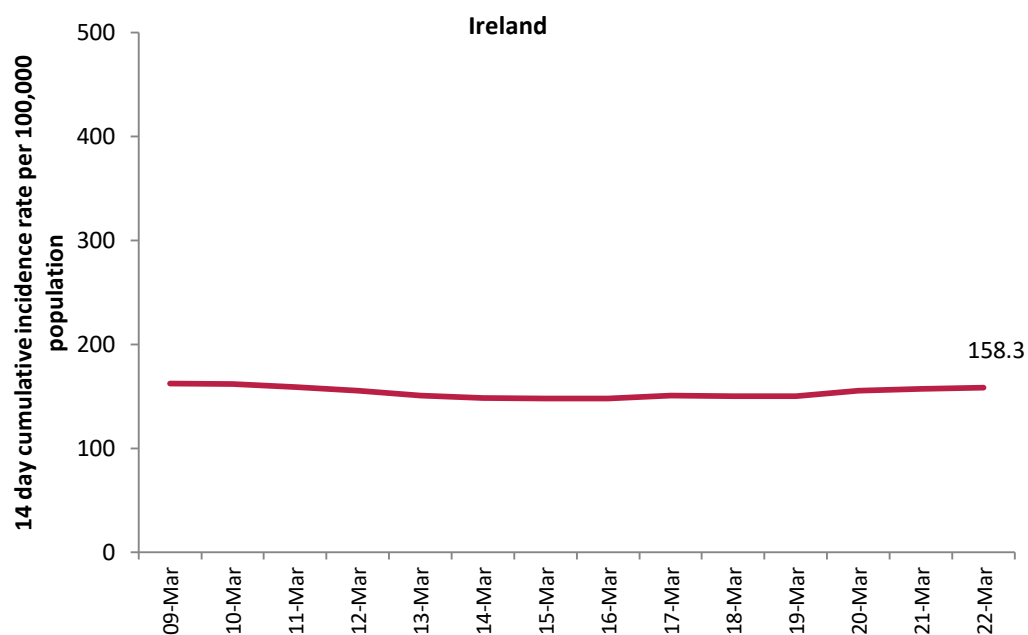


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (09/03/2021 to 22/03/2021)

*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 09/03/2021 to midnight 22/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	153	2.03%
Close contact with a known confirmed case	4,058	53.83%
Healthcare setting acquired: patient	118	1.57%
Healthcare setting acquired: staff	52	0.69%
Community transmission	1,568	20.80%
Under investigation	1,589	21.08%
Total	7,538	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 09/03/2021 to midnight 22/03/2021 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	612	8	2.20	<5	
5-12 yrs	926	8	2.20	0	0.00
13-18 yrs	648	12	3.31	0	0.00
19-24 yrs	790	22	6.06	<5	
25-34 yrs	1,260	27	7.44	<5	
35-44 yrs	1,293	39	10.74	<5	
45-54 yrs	852	36	9.92	8	29.63
55-64 yrs	543	36	9.92	<5	
65-74 yrs	330	66	18.18	9	33.33
75-84 yrs	204	73	20.11	1	3.70
85+ yrs	80	36	9.92	1	3.70
Total	7,538	363	100.00	27	100.00

* 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 09/03/2021 up to midnight 22/03/2021

	Number	Percent
Total number of deaths	21	
Confirmed	18	85.71
Possible	3	14.29
Total number of cases hospitalised	18	85.71
Total number of male cases	15	71.43
M:F ratio	2.5	
Median age (years)	79	
Mean age (years)	77	
Age range (years)	49 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 09/03/2021 up to midnight 22/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	3	14.28
65-74 yrs	*	*	4	19.05
75-84 yrs	*	*	9	42.86
85+ yrs	*	*	5	23.81
Total	6	15	21	100
Percent	28.57	71.43		

*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.

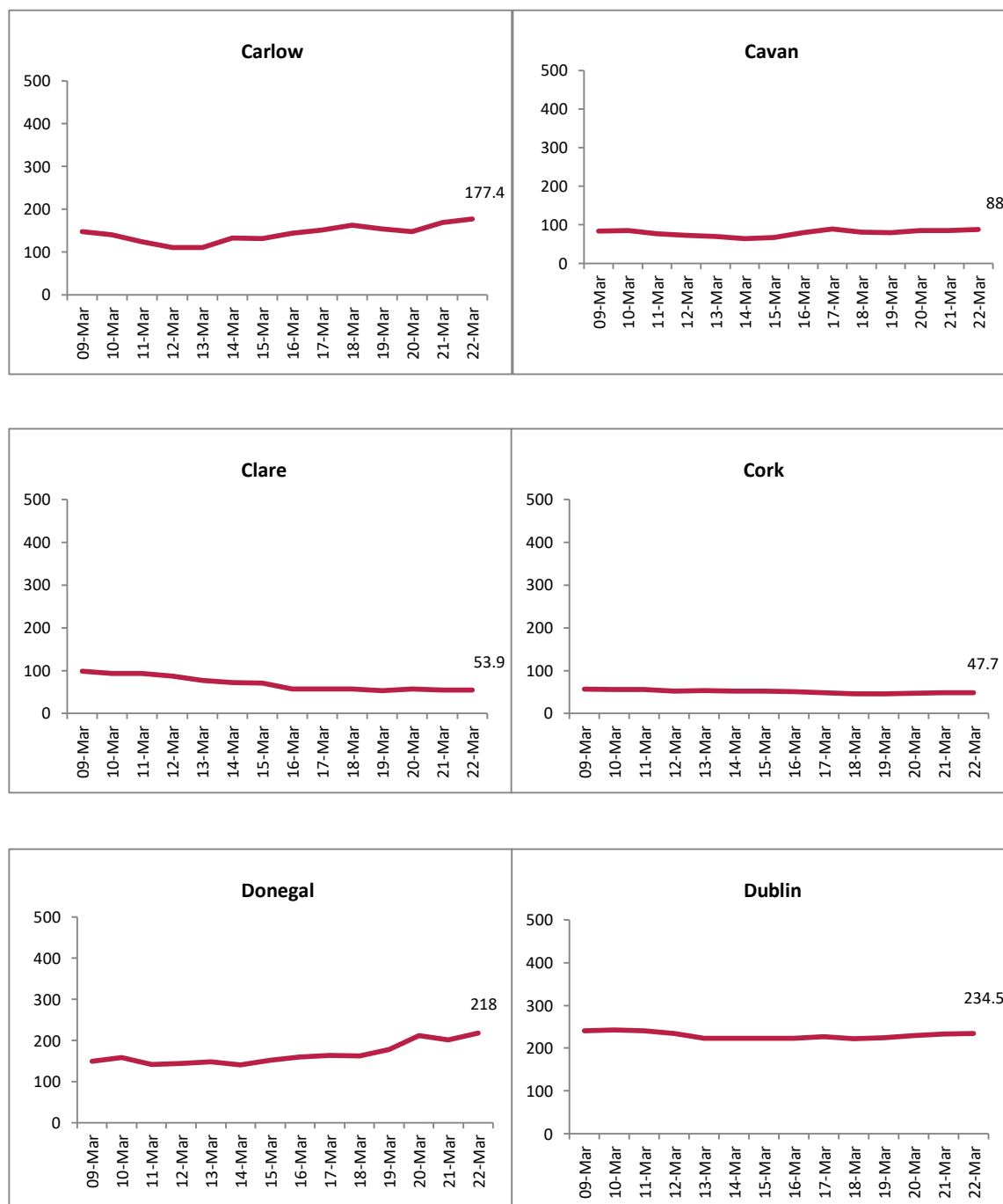
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

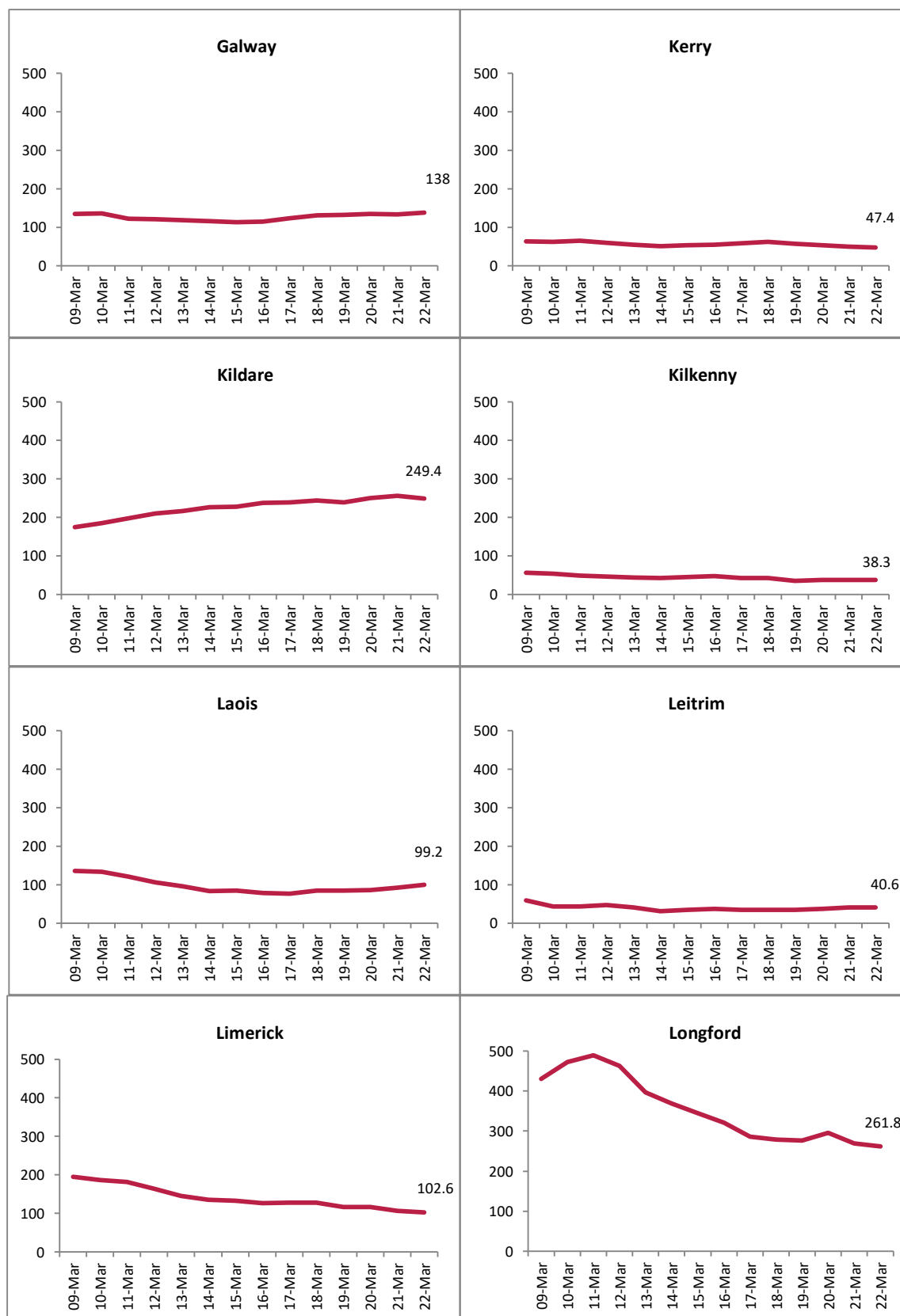
WHO definition of transmission classification is specified below:

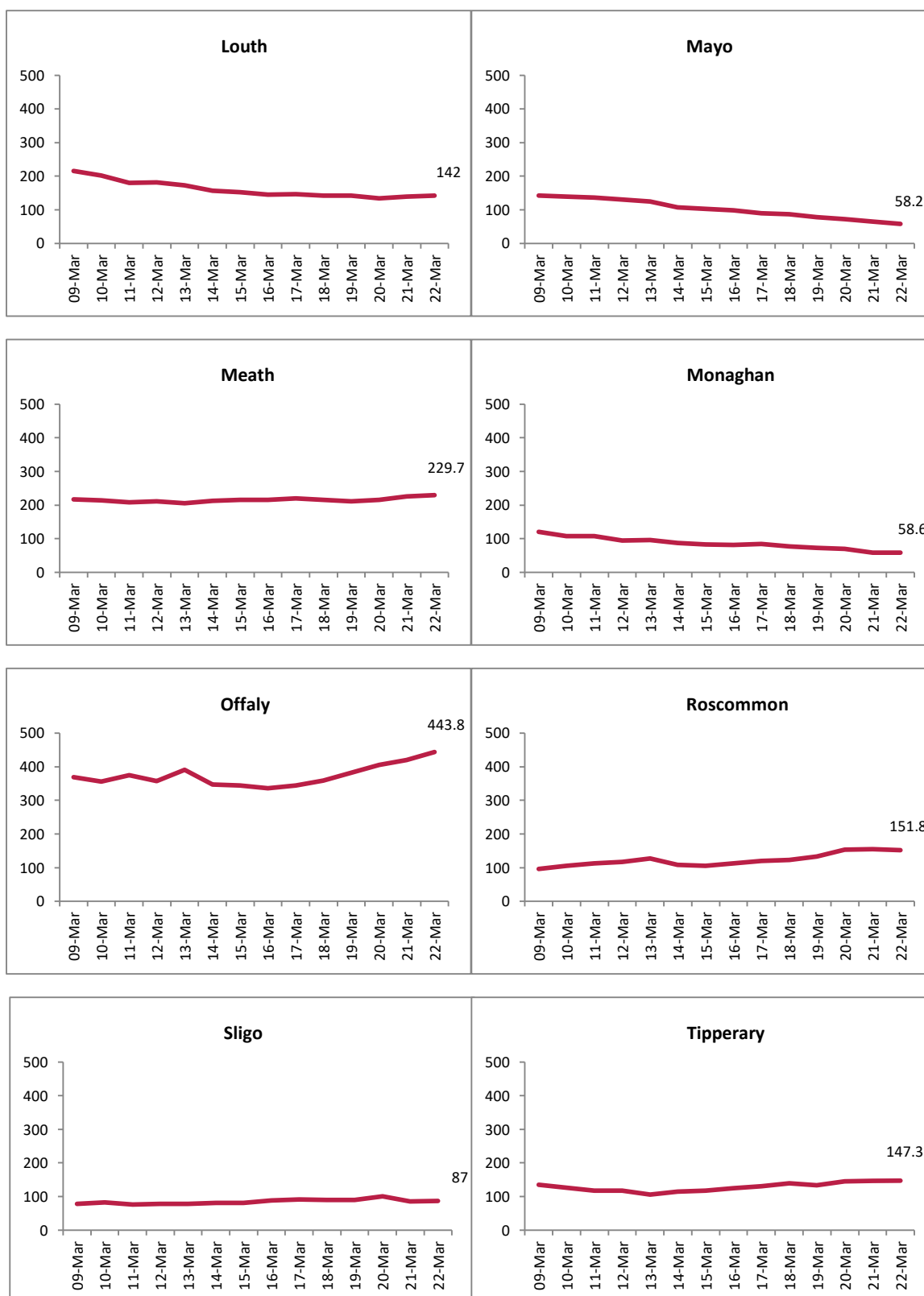
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (09/03/2021 to 22/03/2021)







Report prepared by Health Protection Surveillance Centre on 23/03/2021

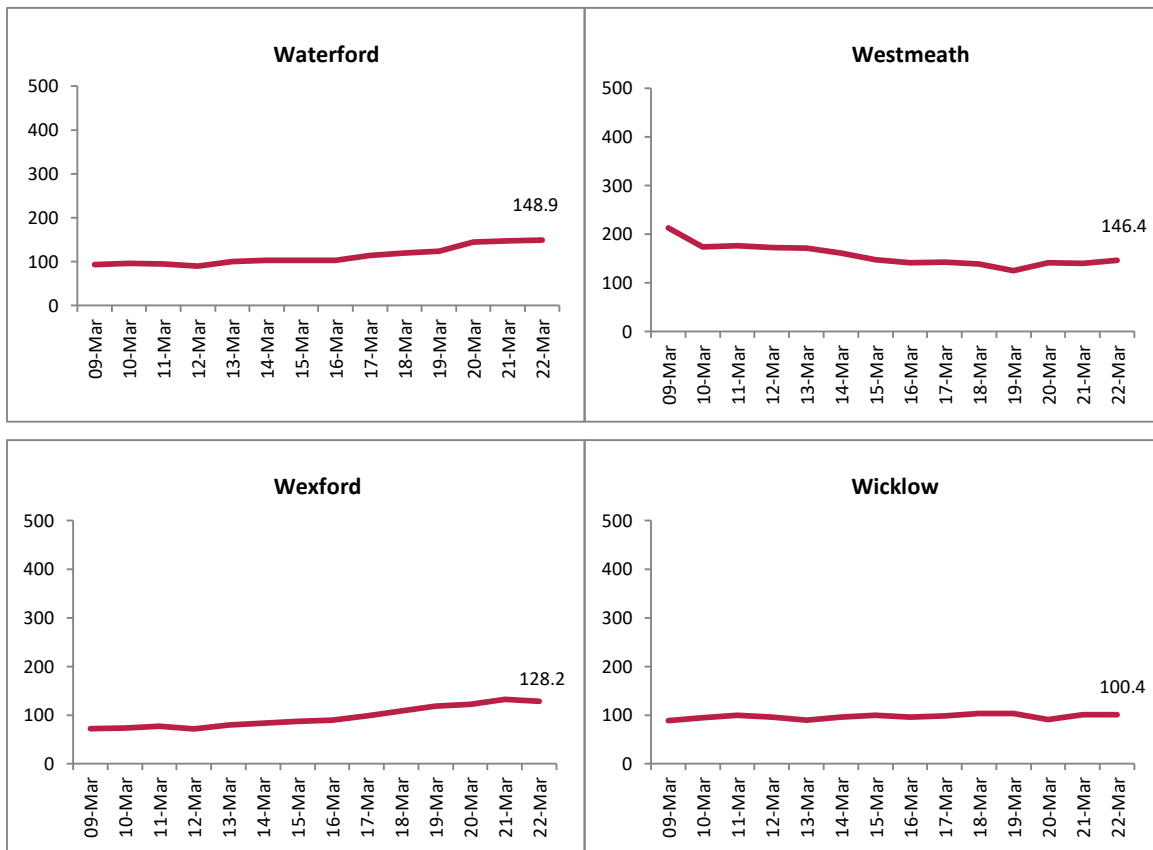


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (09/03/2021 to 22/03/2021)

