



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 19/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 05/03/2021 up to midnight 18/03/2021

	Number	Percent
Total number of confirmed cases	7,165	
National incidence of confirmed cases per 100,000 population	150.47	
Number of cases hospitalised*	346	4.83
Number of cases admitted to ICU*	21	0.29
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	1,482	20.68
Number of imported cases	53	0.74
Number of cases in healthcare workers	237	3.31
Males	3,597	50.2
Females	3,557	49.64
M:F ratio	1.01	
Median age (years)	31	
Mean age (years)	33	
Age range (years)	0 - 97	

* 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
05/03/2021 - 18/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:33 on 19/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

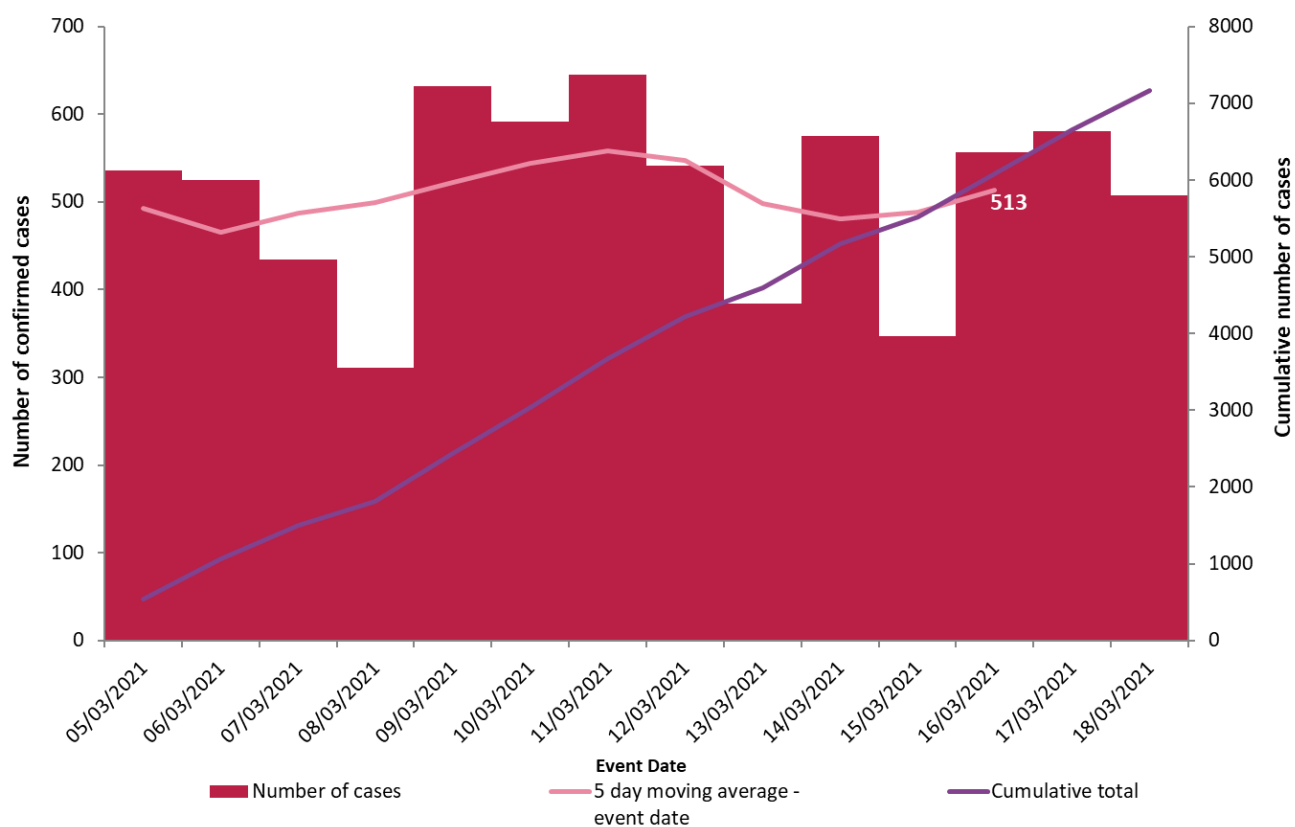


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,165)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 05/03/2021 up to midnight on 18/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,165	100
Sex	Male:Female ratio	1.01	
	Male	3,597	50.2
	Female	3,557	49.64
	Unknown	11	0.15
Age	Median age (years)	31	
	Mean age (years)	33	
	Age range (years)	0 - 97	
	0-4 yrs	507	7.08
	5-12 yrs	786	10.97
	13-18 yrs	618	8.63
	19-24 yrs	869	12.13
	25-34 yrs	1,201	16.76
	35-44 yrs	1,196	16.69
	45-54 yrs	834	11.64
	55-64 yrs	539	7.52
	65-74 yrs	347	4.84
	75-84 yrs	189	2.64
	85+ yrs	78	1.09
	Unknown	1	0.01
Symptom status at time of test*	Yes	4,183	58.38
	No	1,497	20.89
	Unknown	1,485	20.73

*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 05/03/2021 to midnight 18/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	439	112.2
CHO2	530	117.0
CHO3	419	108.8
CHO4	341	49.4
CHO5	556	108.9
CHO6	703	183.5
CHO7	1,137	160.7
CHO8	1,195	193.0
CHO9	1,844	296.7
Unknown	1	
Total	7,165	150.5

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 05/03/2021 to midnight 18/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (14/03/2021-18/03/2021)
Offaly	284	364.3	14
Longford	114	278.9	5
Kildare	542	243.6	35
Dublin	2,996	222.4	219
Meath	420	215.3	31
Carlow	93	163.4	10
Donegal	260	163.3	19
Louth	184	142.8	13
Tipperary	221	138.5	22
Westmeath	122	137.4	9
Galway	337	130.6	27
Limerick	250	128.3	12
Roscommon	79	122.4	6
Waterford	139	119.6	11
Wexford	162	108.2	13
Wicklow	147	103.2	12
Sligo	59	90.0	5
Mayo	114	87.4	2
Laois	71	83.8	6
Cavan	62	81.4	8
Monaghan	47	76.6	3
Kerry	91	61.6	7
Clare	68	57.2	6
Cork	250	46.1	14
Kilkenny	42	42.3	3
Leitrim	11	34.3	1
Total	7,165	150.5	513

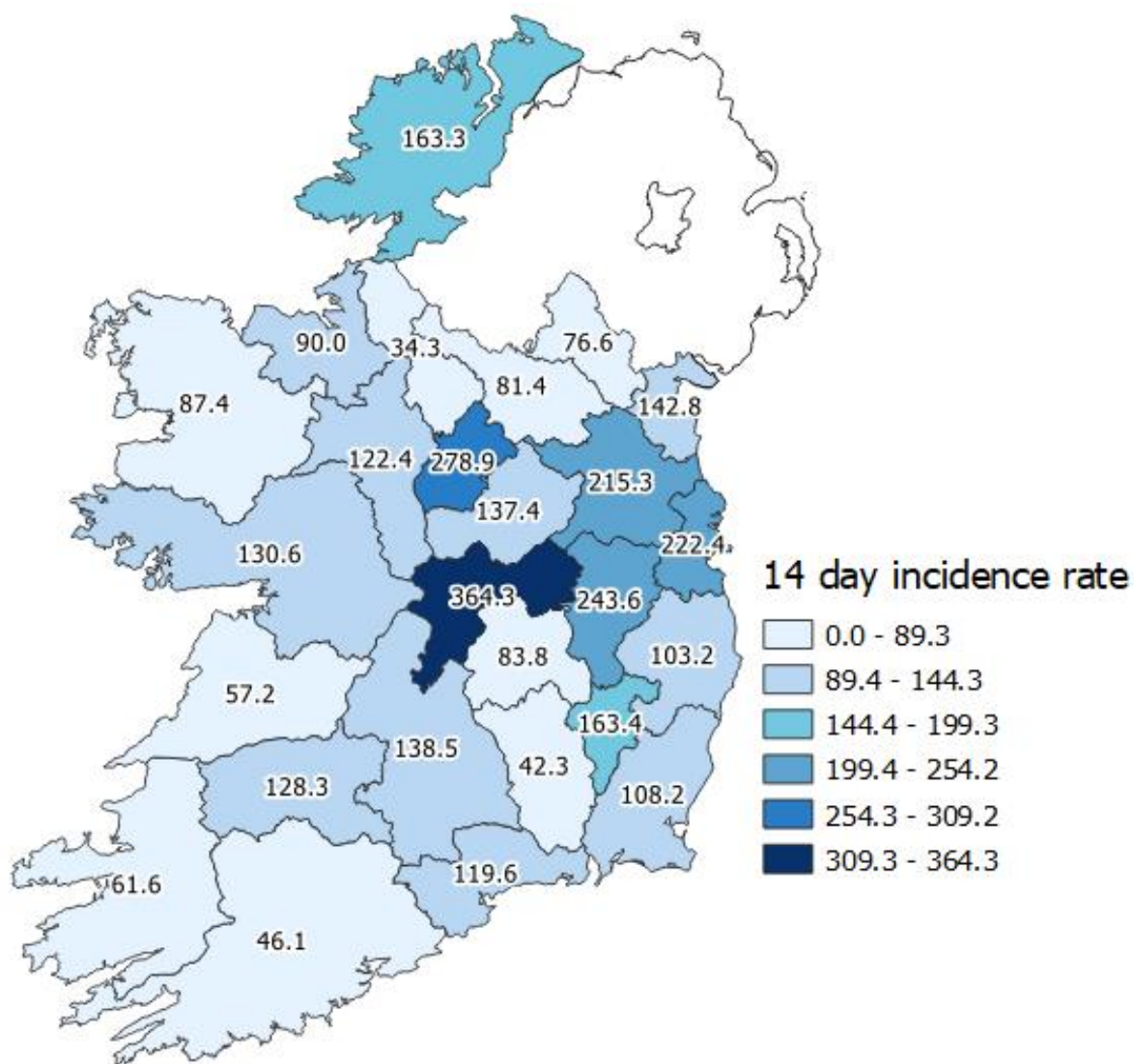


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 05/03/2021 and 18/03/2021

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 05/03/2021 and 18/03/2021

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	141	103.6
CCA2	Dublin South East	418	337.9
CCA3	Dublin South City	107	71.4
CCA4	Dublin South West	202	125.5
CCA5	Dublin West	283	182.2
CCA6	Dublin North West	606	291.8
CCA7	Dublin North Central	765	494.9
CCA8	Dublin North	473	182.5
	Unknown	1	
	Dublin	2,996	222.4

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.

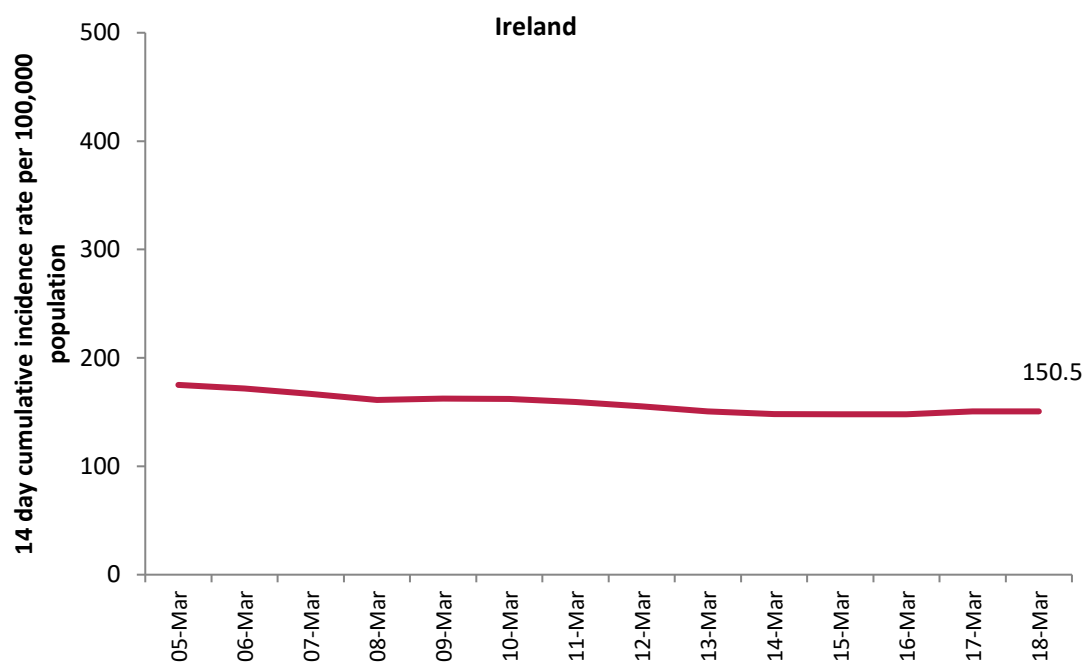


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (05/03/2021 to 18/03/2021)

*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 05/03/2021 to midnight 18/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	123	1.72%
Close contact with a known confirmed case	3,804	53.09%
Healthcare setting acquired: patient	100	1.40%
Healthcare setting acquired: staff	54	0.75%
Community transmission	1,460	20.38%
Under investigation	1,624	22.67%
Total	7,165	100.00%

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 05/03/2021 to midnight 18/03/2021 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	507	13	3.76	0	0
5-12 yrs	786	3	0.87	0	0
13-18 yrs	618	8	2.31	0	0
19-24 yrs	869	23	6.65	<5	
25-34 yrs	1,201	23	6.65	<5	
35-44 yrs	1,196	39	11.27	<5	
45-54 yrs	834	36	10.40	7	33.33
55-64 yrs	539	37	10.69	<5	
65-74 yrs	347	59	17.05	6	28.57
75-84 yrs	189	71	20.52	<5	
85+ yrs	78	34	9.83	<5	
Unknown	1			0	0
Total	7,165	346	100	21	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 05/03/2021 up to midnight 18/03/2021

	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	11	57.89
M:F ratio	1.4	
Median age (years)	78	
Mean age (years)	75	
Age range (years)	50 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 05/03/2021 up to midnight 18/03/2021

Age group (years)	Female	Male	Total	Percent
<64 yrs	*	*	5	26.32
65-74 yrs	*	*	3	15.79
75-84 yrs	*	*	7	36.84
85+ yrs	*	*	4	21.05
Total	8	11	19	100
Percent	42.11	57.89		

*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.

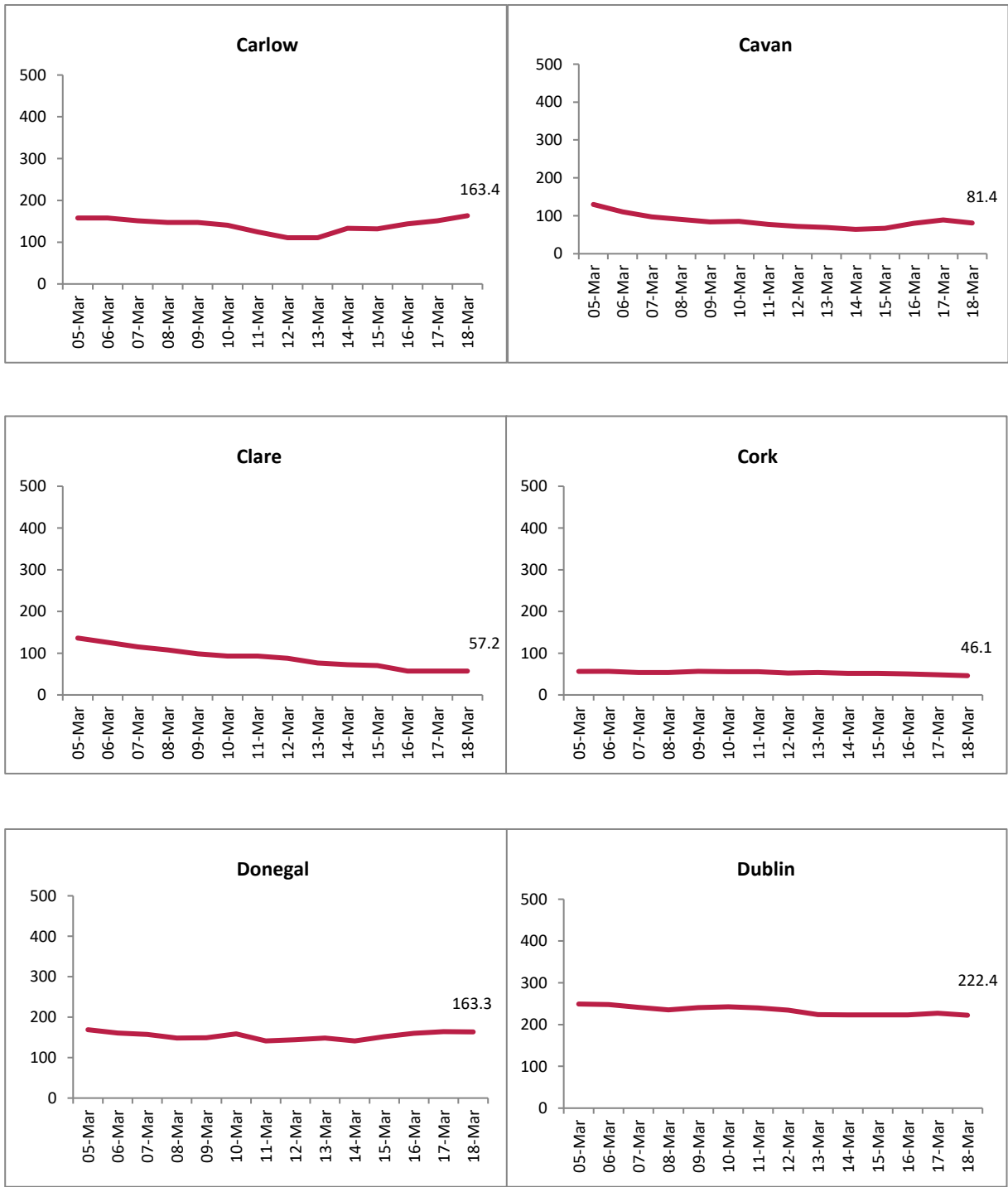
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

WHO definition of transmission classification is specified below:

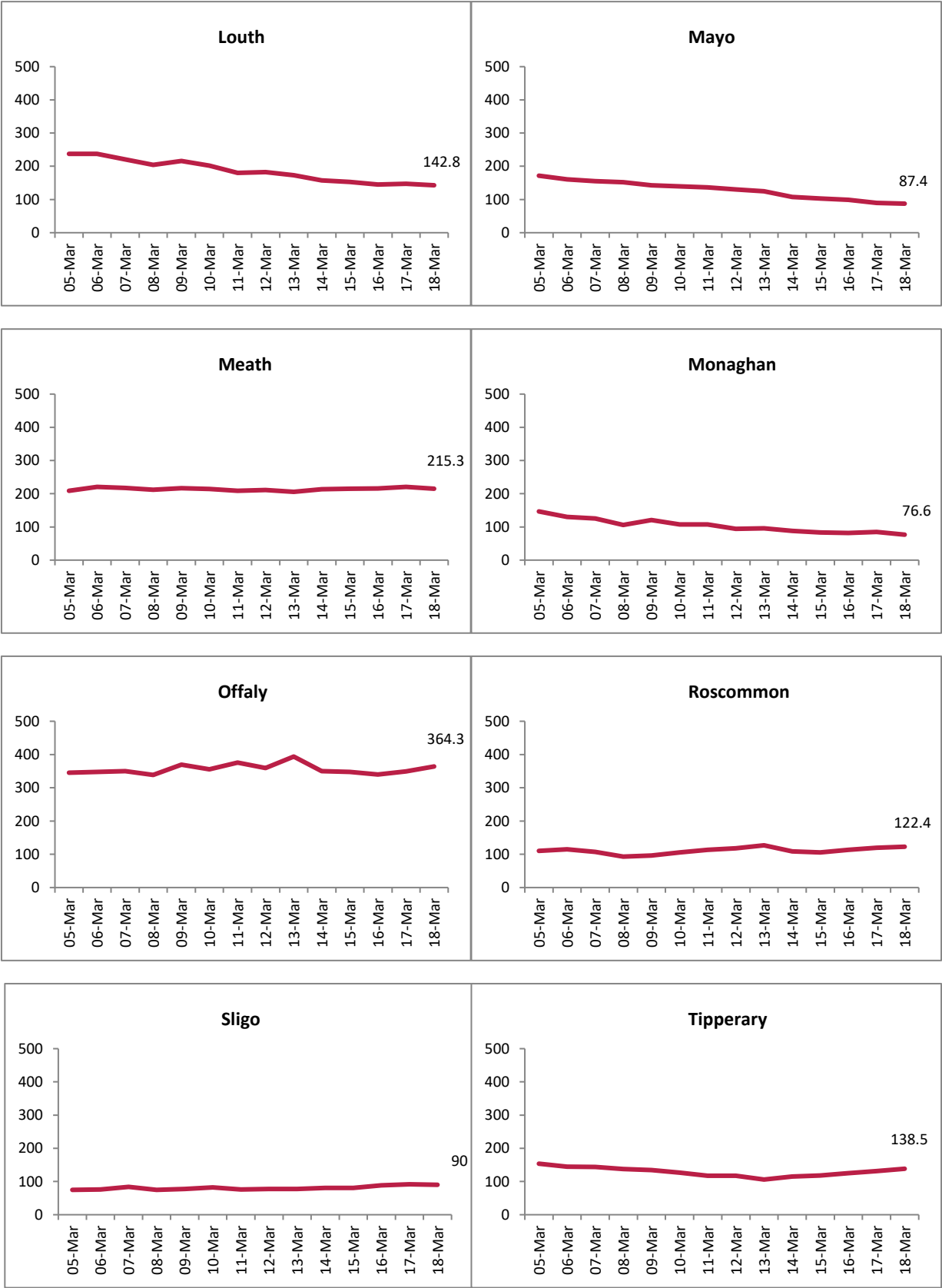
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (05/03/2021 to 18/03/2021)







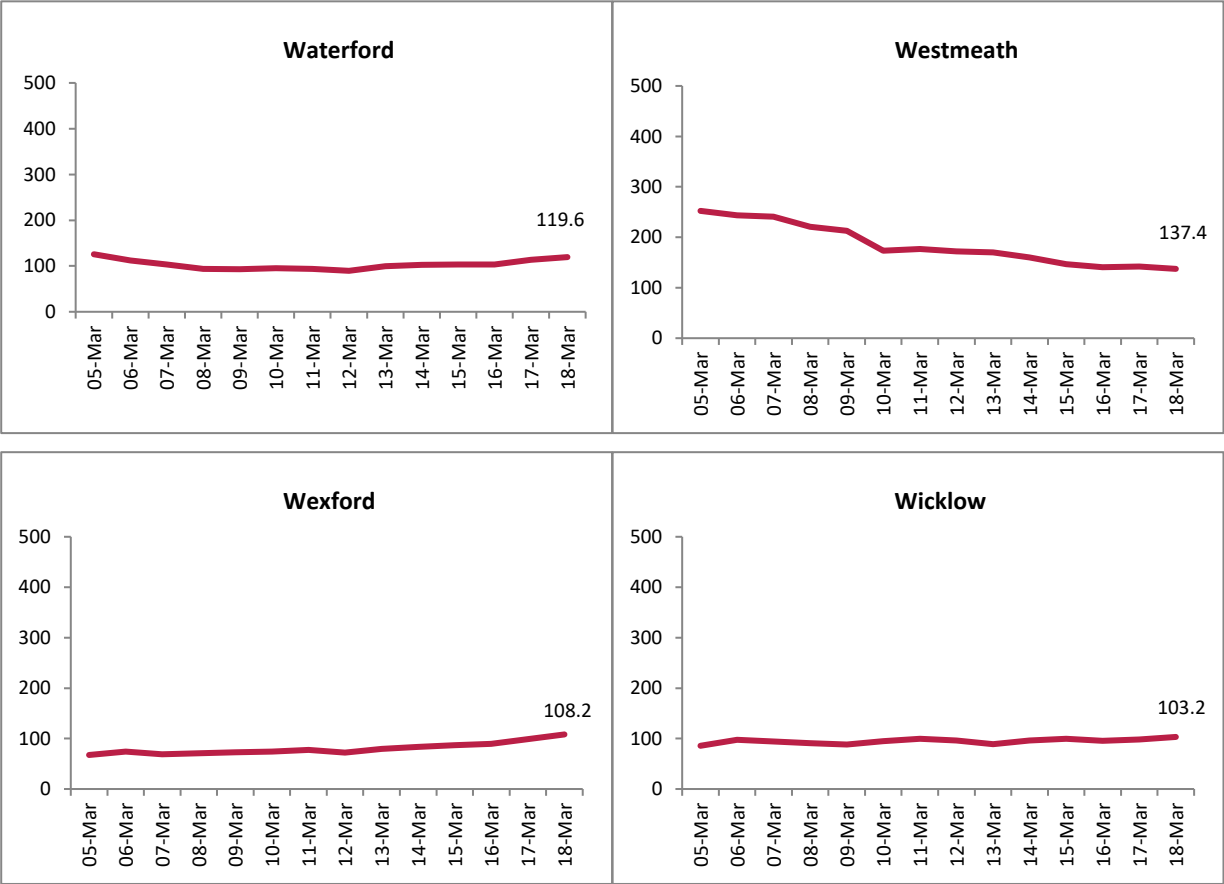


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (05/03/2021 to 18/03/2021)

