



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 22/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/03/2021 up to midnight 21/03/2021

	Number	Percent
Total number of confirmed cases	7,481	
National incidence of confirmed cases per 100,000 population	157.1	
Number of cases hospitalised*	361	4.83
Number of cases admitted to ICU*	22	0.29
Number of deaths among confirmed cases	13	0.17
Case fatality ratio (CFR, %)	0.17	
National incidence of confirmed deaths per 100,000 population	0.27	
Number of cases** associated with clusters	1,399	18.7
Number of imported cases	53	0.71
Number of cases in healthcare workers	252	3.37
Males	3,718	49.7
Females	3,753	50.17
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
08/03/2021 - 21/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 10:02 on 22/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

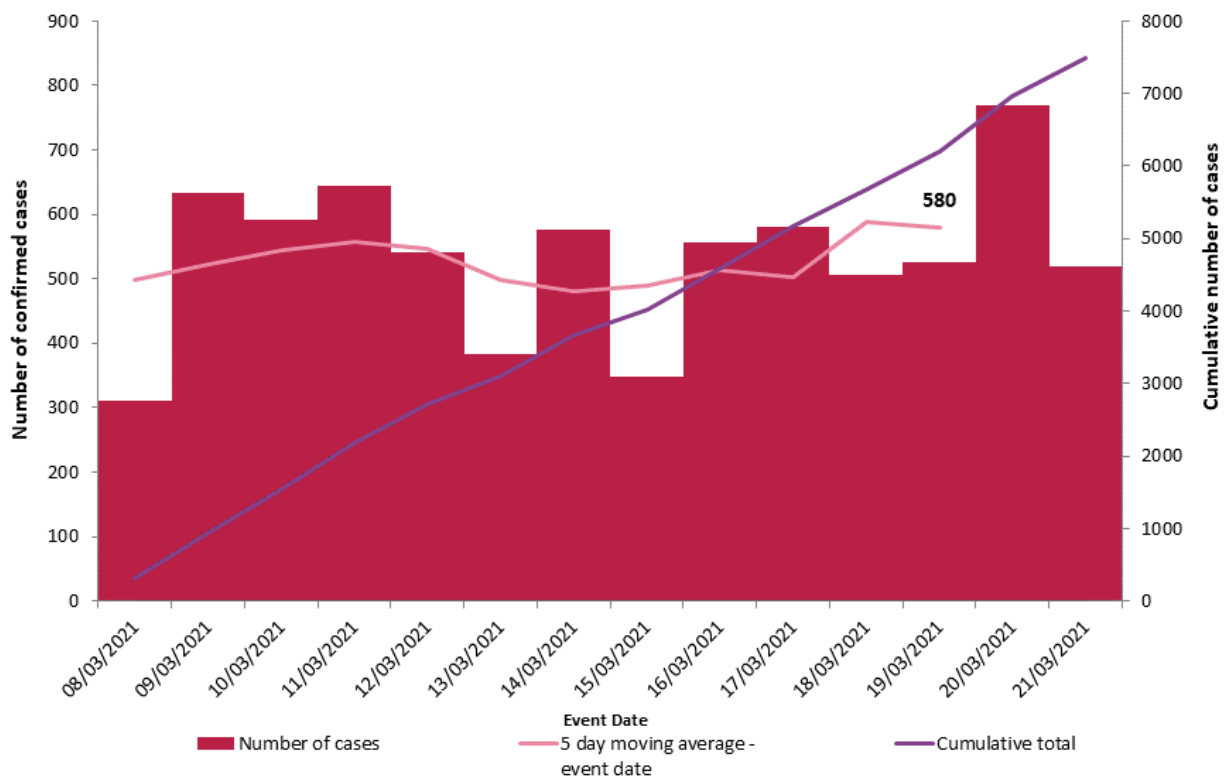


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,481)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 08/03/2021 up to midnight on 21/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,481	100
Sex	Male:Female ratio	0.99	
	Male	3,718	49.7
	Female	3,753	50.17
	Unknown	10	0.13
Age	Median age (years)	31	
	Mean age (years)	33	
	Age range (years)	0 - 99	
	0-4 yrs	602	8.05
	5-12 yrs	883	11.8
	13-18 yrs	639	8.54
	19-24 yrs	810	10.83
	25-34 yrs	1,249	16.7
	35-44 yrs	1,268	16.95
	45-54 yrs	862	11.52
	55-64 yrs	541	7.23
	65-74 yrs	337	4.5
	75-84 yrs	207	2.77
	85+ yrs	83	1.11
Symptom status at time of test*	Yes	4,337	57.97
	No	1,524	20.37
	Unknown	1,620	21.65

*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 08/03/2021 to midnight 21/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	490	125.2
CHO2	529	116.7
CHO3	379	98.4
CHO4	339	49.1
CHO5	628	123.1
CHO6	709	185.0
CHO7	1,241	175.4
CHO8	1,259	203.3
CHO9	1,907	306.9
Total	7,481	157.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 08/03/2021 to midnight 21/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (17/03/2021-21/03/2021)
Offaly	331	424.6	29
Longford	110	269.1	8
Kildare	570	256.2	31
Dublin	3,144	233.3	254
Meath	439	225.1	33
Donegal	320	201.0	25
Carlow	96	168.6	8
Roscommon	101	156.5	9
Waterford	172	148.1	17
Tipperary	233	146.0	20
Louth	179	138.9	12
Westmeath	123	138.6	9
Galway	343	132.9	26
Wexford	198	132.2	20
Limerick	207	106.2	13
Wicklow	143	100.4	13
Laois	77	90.9	9
Sligo	58	88.5	5
Cavan	65	85.3	5
Mayo	85	65.1	4
Monaghan	36	58.6	2
Clare	64	53.9	5
Kerry	74	50.1	5
Cork	265	48.8	16
Kilkenny	37	37.3	2
Leitrim	11	34.3	0
Total	7,481	157.1	580

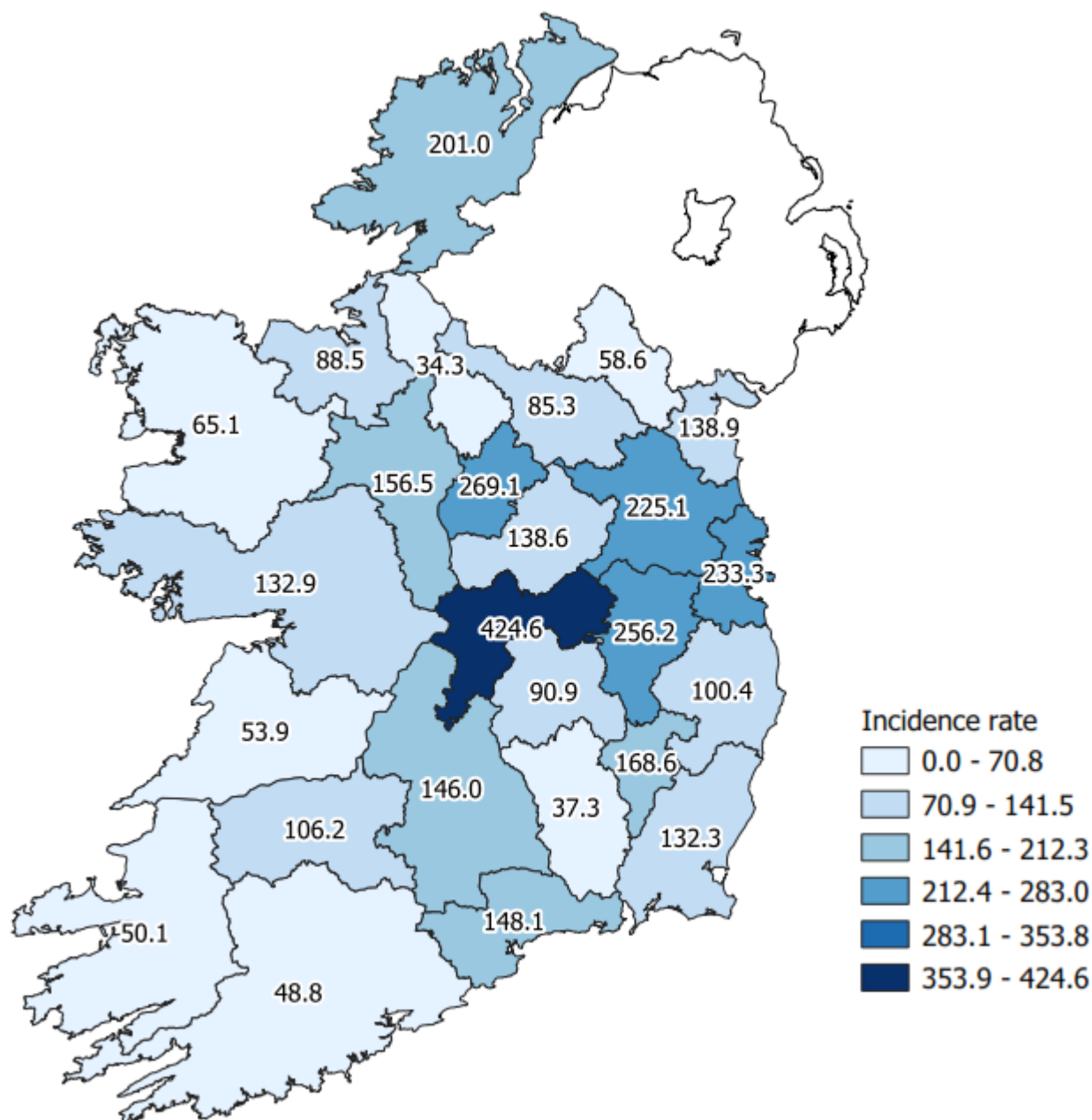


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/03/2021 and 21/03/2021

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 08/03/2021 and 21/03/2021

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	428	346.0
CCA3	Dublin South City	124	82.7
CCA4	Dublin South West	209	129.9
CCA5	Dublin West	335	215.7
CCA6	Dublin North West	625	301.0
CCA7	Dublin North Central	781	505.2
CCA8	Dublin North	501	193.3
Dublin		3,144	233.3

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

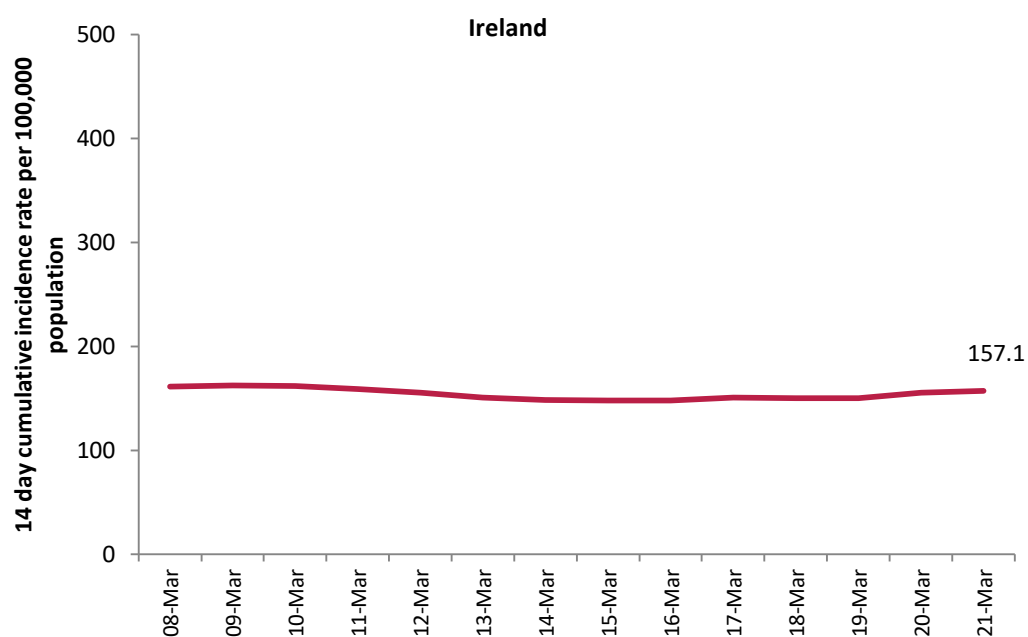


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (08/03/2021 to 21/03/2021)

*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 08/03/2021 to midnight 21/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	140	1.87%
Close contact with a known confirmed case	3,864	51.65%
Healthcare setting acquired: patient	119	1.59%
Healthcare setting acquired: staff	58	0.78%
Community transmission	1,502	20.08%
Under investigation	1,798	24.03%
Total	7,481	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 08/03/2021 to midnight 21/03/2021 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	602	9	2.49	0	0
5-12 yrs	883	6	1.66	0	0
13-18 yrs	639	10	2.77	0	0
19-24 yrs	810	20	5.54	<5	
25-34 yrs	1249	27	7.48	<5	
35-44 yrs	1268	32	8.86	<5	
45-54 yrs	862	39	10.80	7	31.82
55-64 yrs	541	39	10.80	<5	
65-74 yrs	337	67	18.56	6	27.27
75-84 yrs	207	73	20.22	<5	
85+ yrs	83	39	10.80	<5	
Total	7,481	361	100.00	22	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 08/03/2021 up to midnight 21/03/2021

	Number	Percent
Total number of deaths	16	
Confirmed	13	81.25
Possible	3	18.75
Total number of cases hospitalised	15	93.75
Total number of male cases	10	62.5
M:F ratio	1.67	
Median age (years)	79	
Mean age (years)	78	
Age range (years)	55 - 94	

Table 12: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 08/03/2021 up to midnight 21/03/2021

Age group (years)	Female	Male	Total	Percent
55-64 yrs	*	*	2	12.5
65-74 yrs	*	*	3	18.75
75-84 yrs	*	*	7	43.75
85+ yrs	*	*	4	25
Total	6	10	16	100
Percent	37.5	62.5		

* 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.

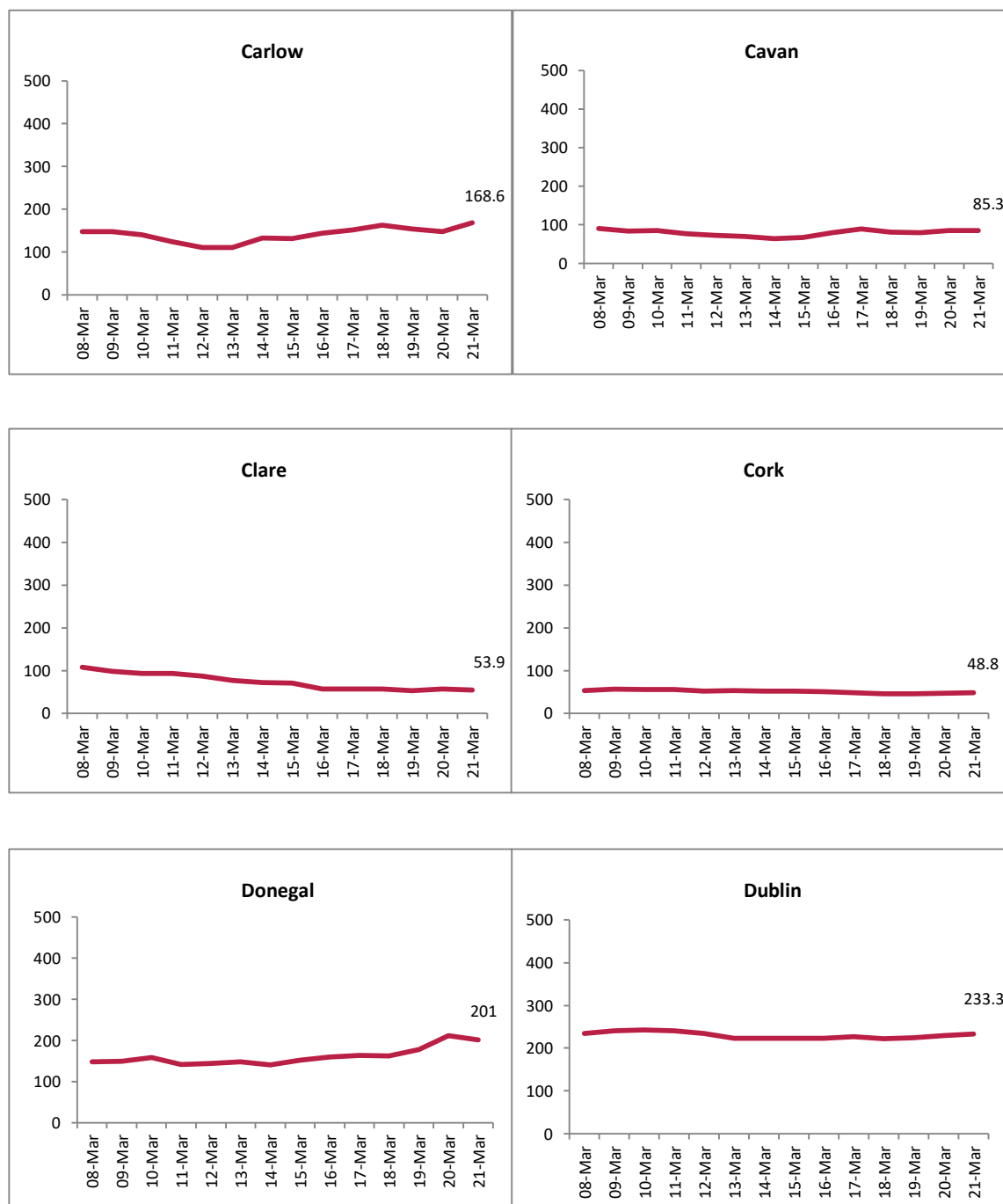
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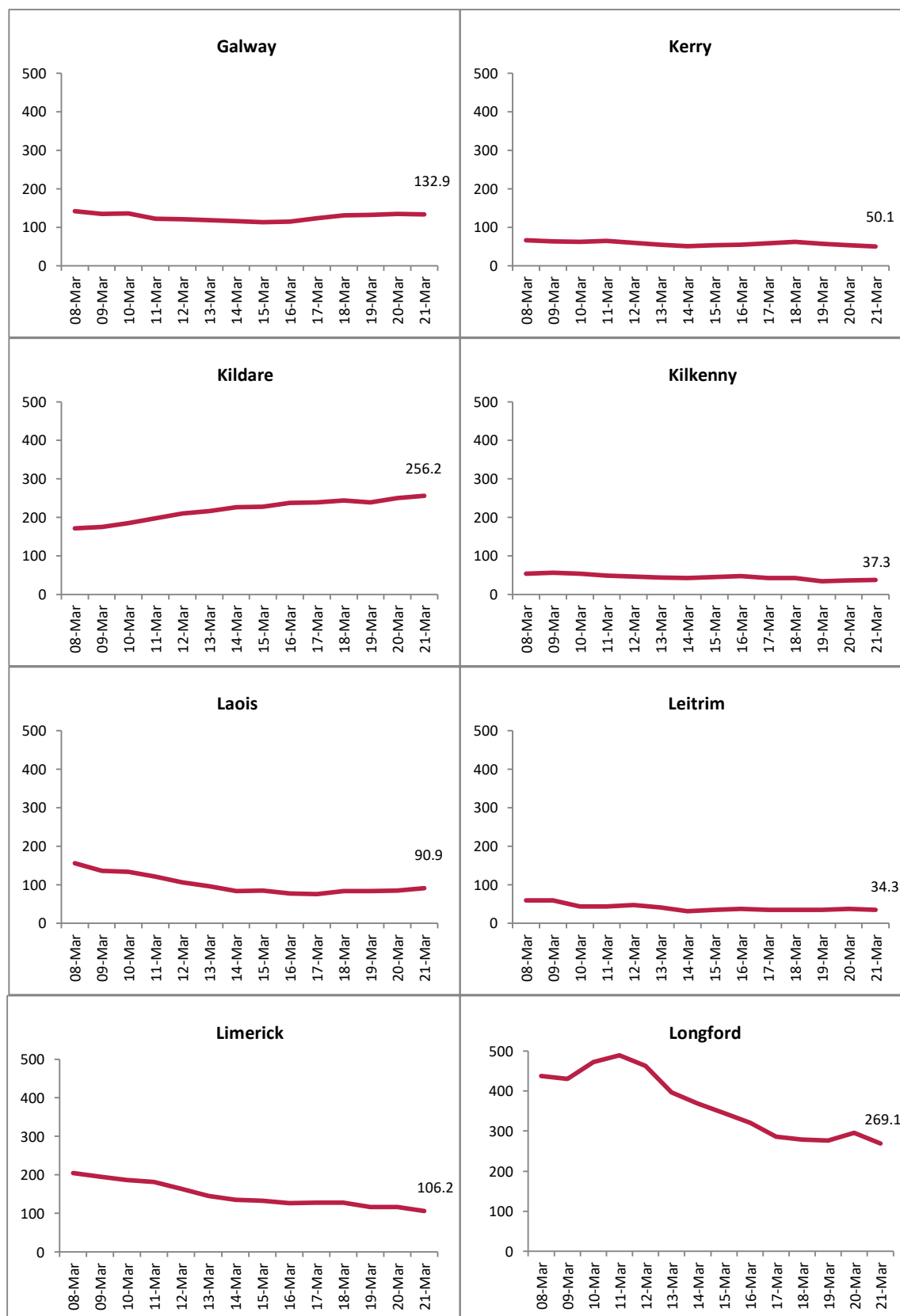
WHO definition of transmission classification is specified below:

- 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 (08/03/2021 to 21/03/2021)







Report prepared by Health Protection Surveillance Centre on 22/03/2021

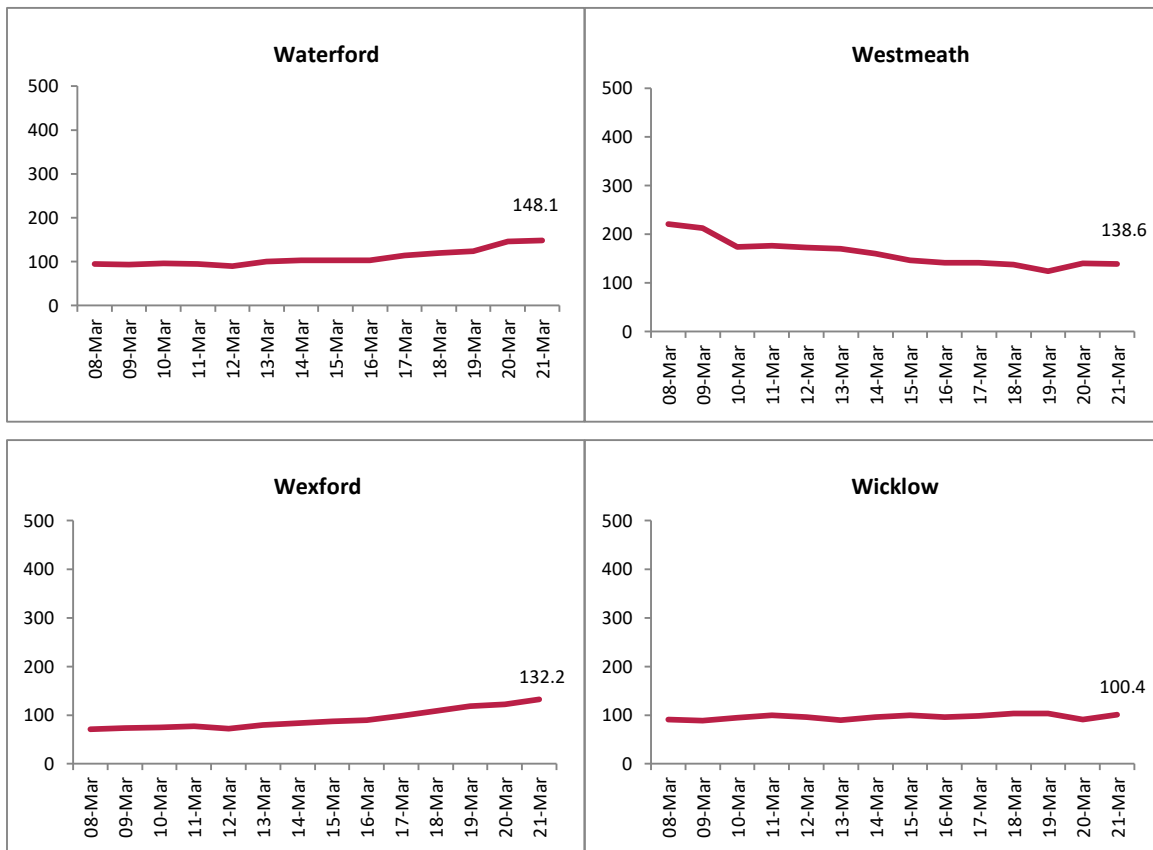
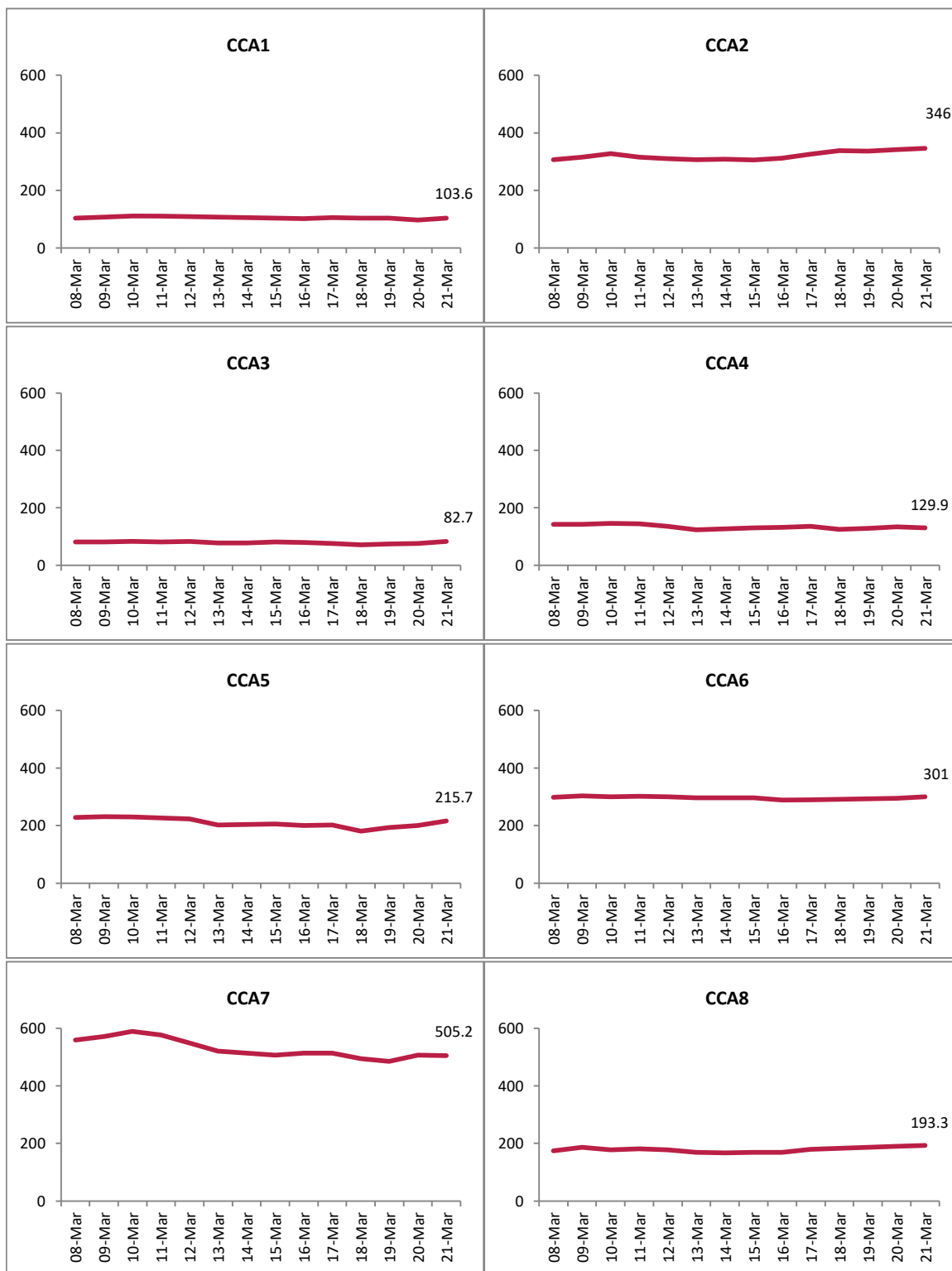


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (08/03/2021 to 21/03/2021)



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