



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 18/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 04/03/2021 up to midnight 17/03/2021

	Number	Percent
Total number of confirmed cases	7,179	
National incidence of confirmed cases per 100,000 population	150.76	
Number of cases hospitalised*	417	5.81
Number of cases admitted to ICU*	11	0.15
Number of deaths among confirmed cases	15	0.21
Case fatality ratio (CFR, %)	0.21	
National incidence of confirmed deaths per 100,000 population	0.32	
Number of cases** associated with clusters	1,373	19.13
Number of imported cases	53	0.74
Number of cases in healthcare workers	238	3.32
Males	3,622	50.45
Females	3,548	49.42
M:F ratio	1.02	
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
04/03/2021 - 17/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:40 on 18/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

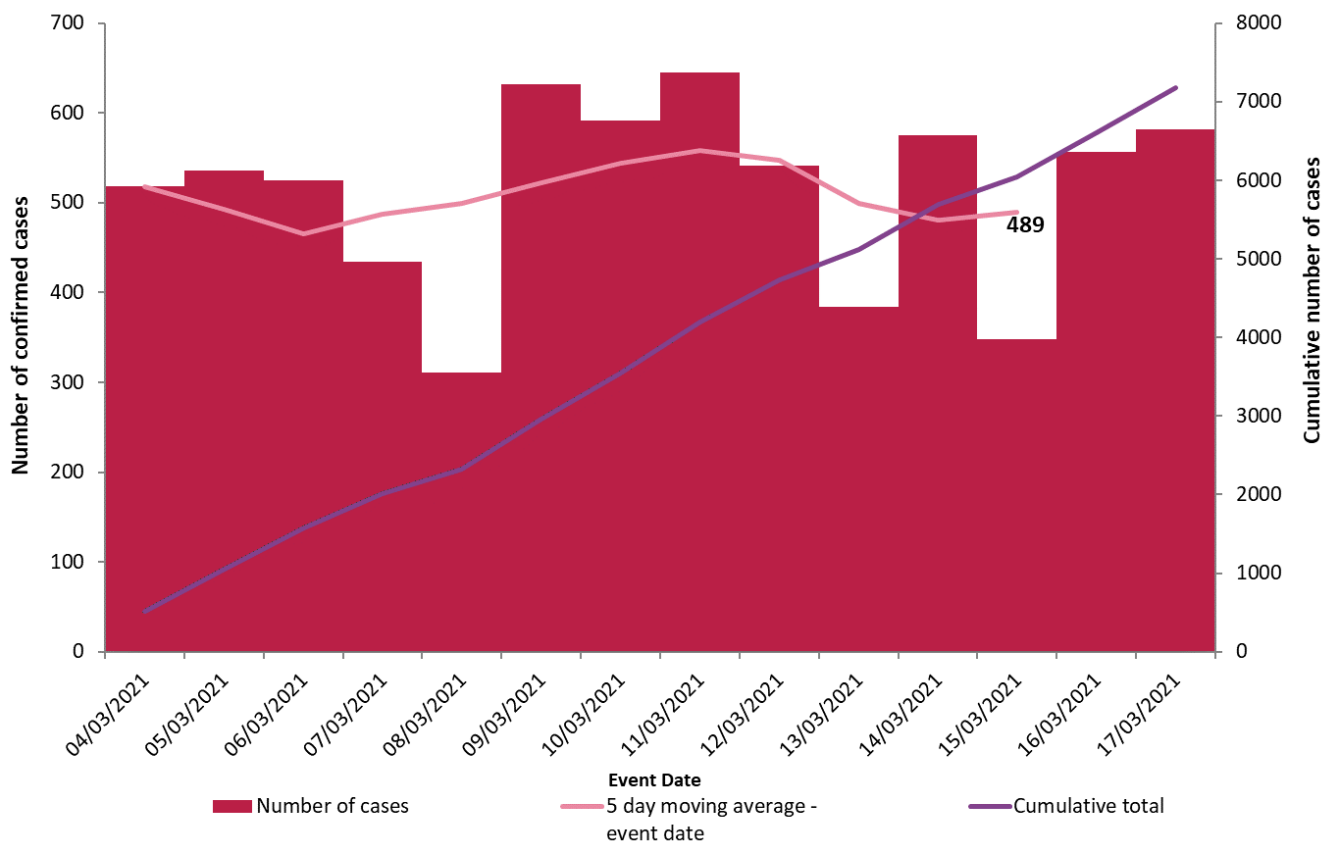


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,179)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 04/03/2021 up to midnight on 17/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,179	100
Sex	Male:Female ratio	1.02	
	Male	3,622	50.45
	Female	3,548	49.42
	Unknown	9	0.13
Age	Median age (years)	31	
	Mean age (years)	33	
	Age range (years)	0 - 97	
	0-4 yrs	502	6.99
	5-12 yrs	778	10.84
	13-18 yrs	606	8.44
	19-24 yrs	882	12.29
	25-34 yrs	1,212	16.88
	35-44 yrs	1,190	16.58
	45-54 yrs	840	11.7
	55-64 yrs	564	7.86
	65-74 yrs	342	4.76
	75-84 yrs	188	2.62
	85+ yrs	74	1.03
Unknown	1	0.01	
Symptom status at time of test*	Yes	4,099	57.1
	No	1,453	20.24
	Unknown	1,627	22.66

*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 04/03/2021 to midnight 17/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	453	115.8
CHO2	515	113.7
CHO3	416	108.1
CHO4	348	50.4
CHO5	517	101.3
CHO6	684	178.5
CHO7	1,182	167.0
CHO8	1,201	193.9
CHO9	1,863	299.8
Unknown	0	
Total	7,179	150.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 04/03/2021 to midnight 17/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (13/03/2021-17/03/2021)
Offaly	273	350.2	17
Longford	116	283.8	3
Kildare	530	238.2	35
Dublin	3,059	227.0	205
Meath	430	220.5	28
Donegal	262	164.6	18
Carlow	85	149.3	9
Louth	190	147.4	13
Westmeath	127	143.1	12
Tipperary	208	130.4	19
Limerick	253	129.8	11
Galway	321	124.4	27
Roscommon	77	119.3	6
Waterford	132	113.6	12
Wexford	148	98.8	14
Wicklow	140	98.3	10
Sligo	60	91.6	4
Mayo	117	89.7	3
Cavan	68	89.3	7
Monaghan	52	84.7	3
Laois	65	76.7	4
Kerry	86	58.2	5
Clare	65	54.7	5
Cork	262	48.3	16
Kilkenny	42	42.3	3
Leitrim	11	34.3	1
Total	7,179	150.8	489

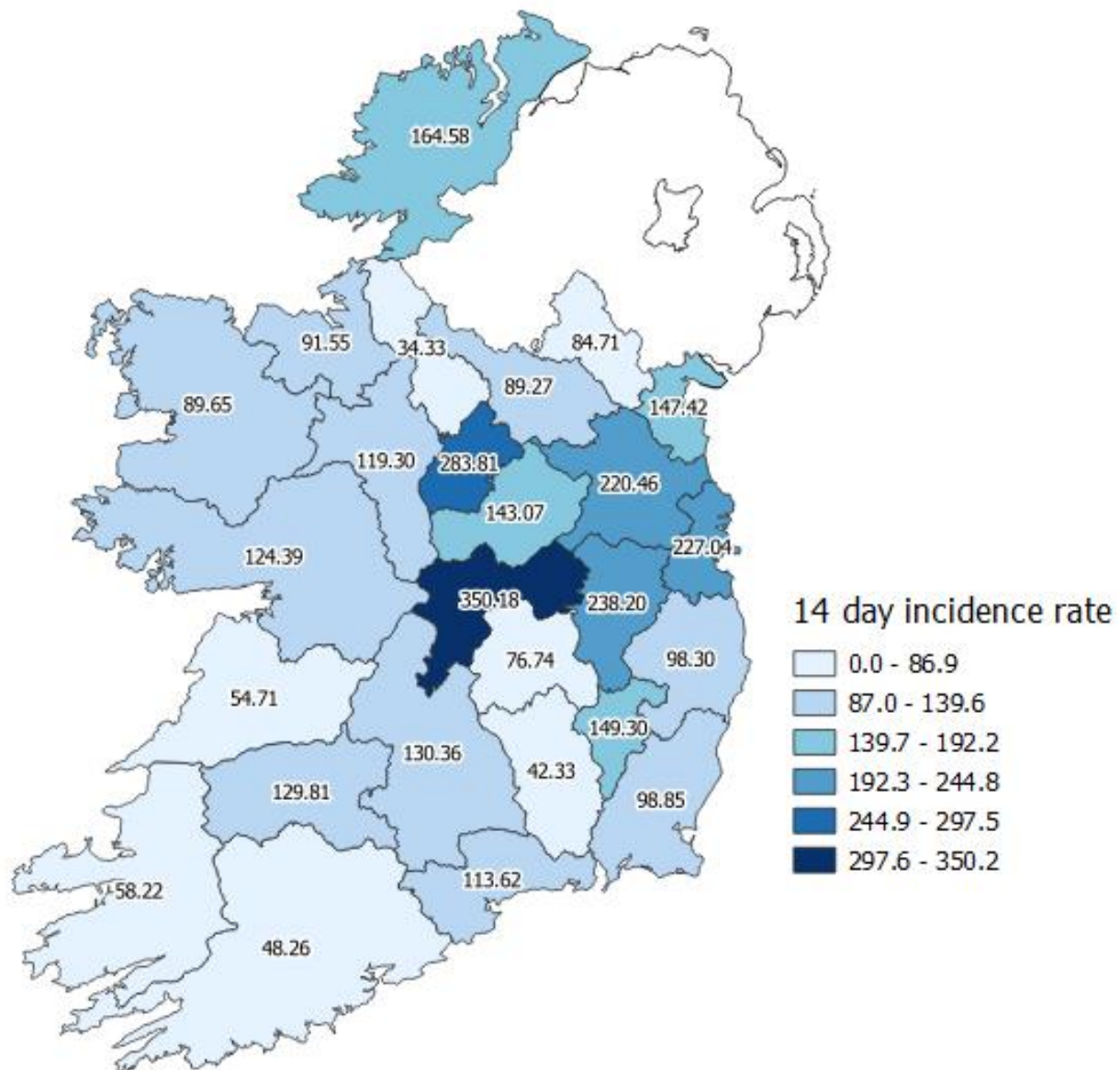


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 04/03/2021 and 17/03/2021

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 04/03/2021 and 17/03/2021

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	403	325.8
CCA3	Dublin South City	113	75.4
CCA4	Dublin South West	220	136.7
CCA5	Dublin West	316	203.4
CCA6	Dublin North West	603	290.4
CCA7	Dublin North Central	793	513.0
CCA8	Dublin North	467	180.2
	Dublin	3,059	227.0

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.

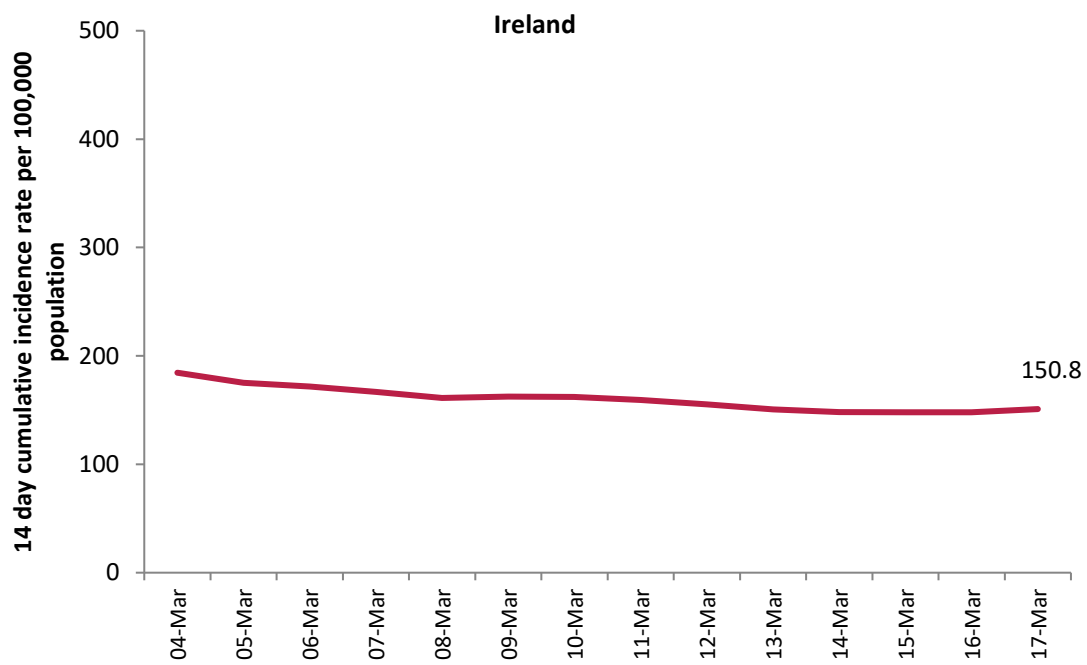


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (04/03/2021 to 17/03/2021)

*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 04/03/2021 to midnight 17/03/2021

Most likely transmission source	Number of cases	Percent
Travel related *	112	1.56%
Close contact with a known confirmed case	3,694	51.46%
Healthcare setting acquired: patient	100	1.39%
Healthcare setting acquired: staff	56	0.78%
Community transmission	1,426	19.86%
Under investigation	1,791	24.95%
Total	7,179	100.00%

Table 6: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 04/03/2021 to midnight 17/03/2021 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	502	20	4.80	0	0
5-12 yrs	778	5	1.20	0	0
13-18 yrs	606	16	3.84	0	0
19-24 yrs	882	52	12.47	<5	
25-34 yrs	1,212	28	6.71	0	0
35-44 yrs	1,190	44	10.55	<5	
45-54 yrs	840	50	11.99	<5	
55-64 yrs	564	41	9.83	<5	
65-74 yrs	342	54	12.95	<5	
75-84 yrs	188	73	17.51	<5	
85+ yrs	74	34	8.15	<5	
Unknown	1			0	0
Total	7,179	417	100	11	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 04/03/2021 up to midnight 17/03/2021

	Number	Percent
Total number of deaths	18	
	Confirmed	15
	Possible	3
Total number of cases hospitalised	16	88.89
Total number of male cases	10	55.56
M:F ratio	1.25	
Median age (years)	75	
Mean age (years)	72	
Age range (years)	50 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 04/03/2021 up to midnight 17/03/2021

Age group (years)	Female	Male	Total	Percent
<64 yrs	*	*	6	33.33
65-74 yrs	*	*	3	16.67
75-84 yrs	*	*	7	38.89
85+ yrs	*	*	2	11.11
Total	8	10	18	100.00
Percent	44.44	55.56		

*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.

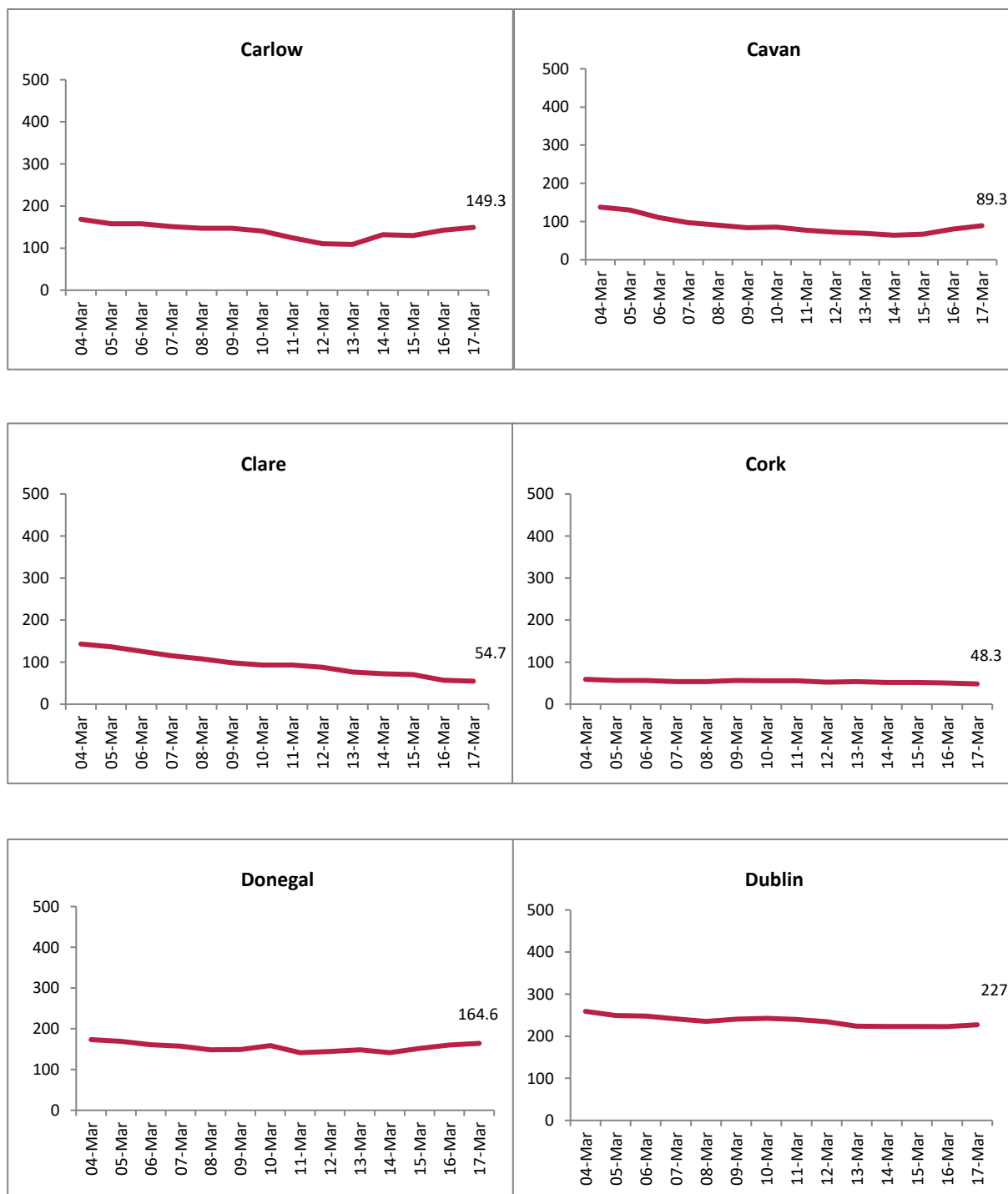
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

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 (04/03/2021 to 17/03/2021)





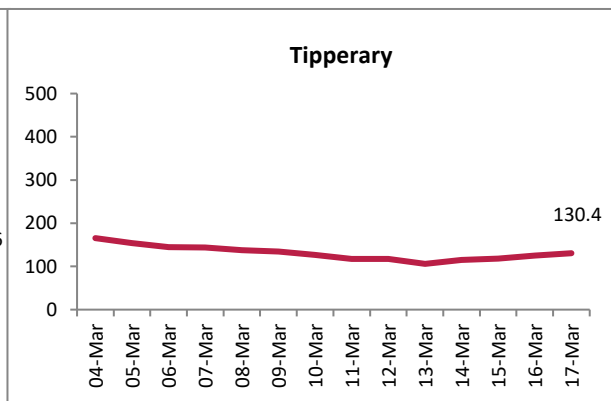
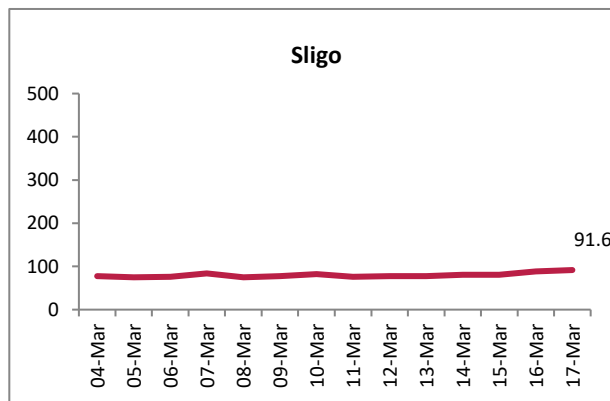
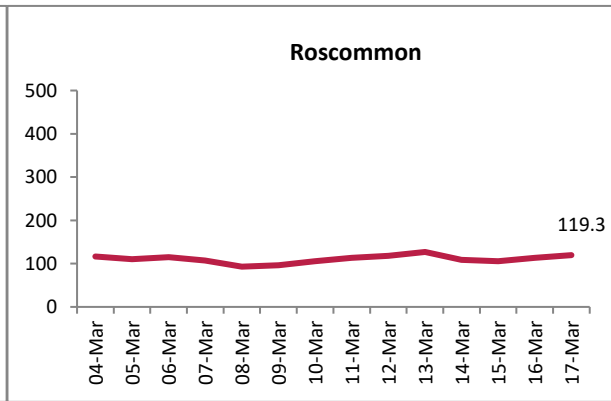
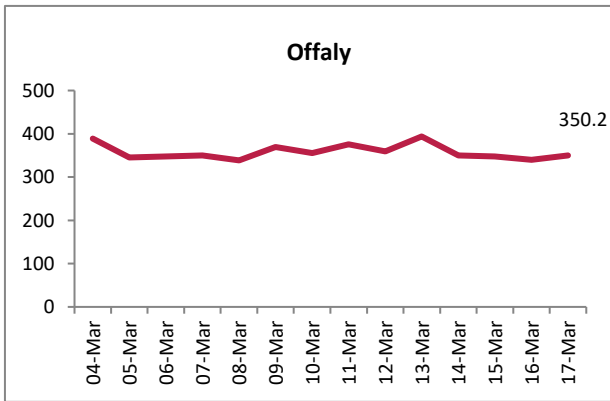
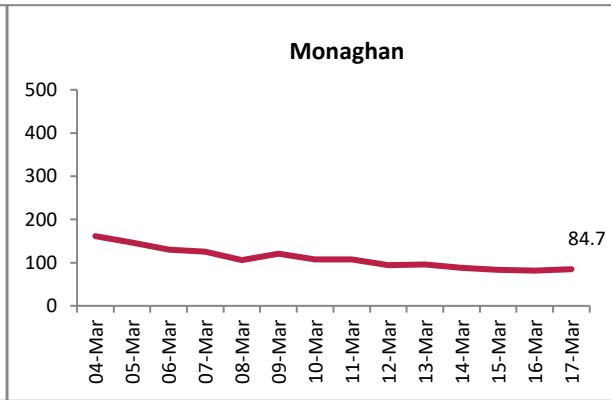
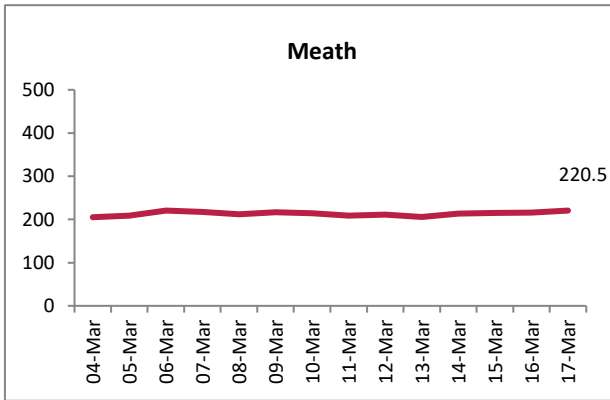
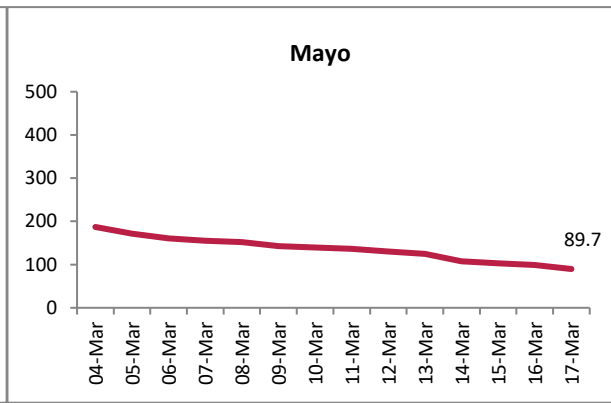
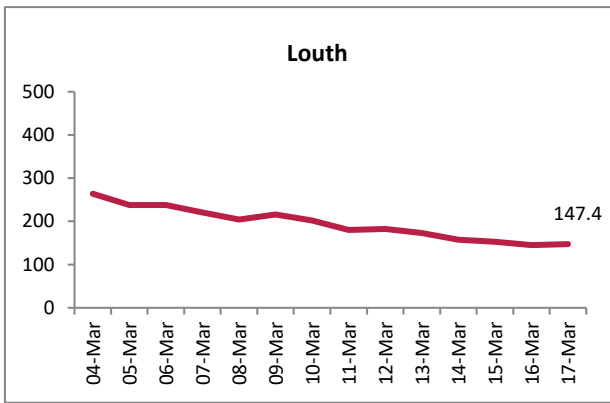
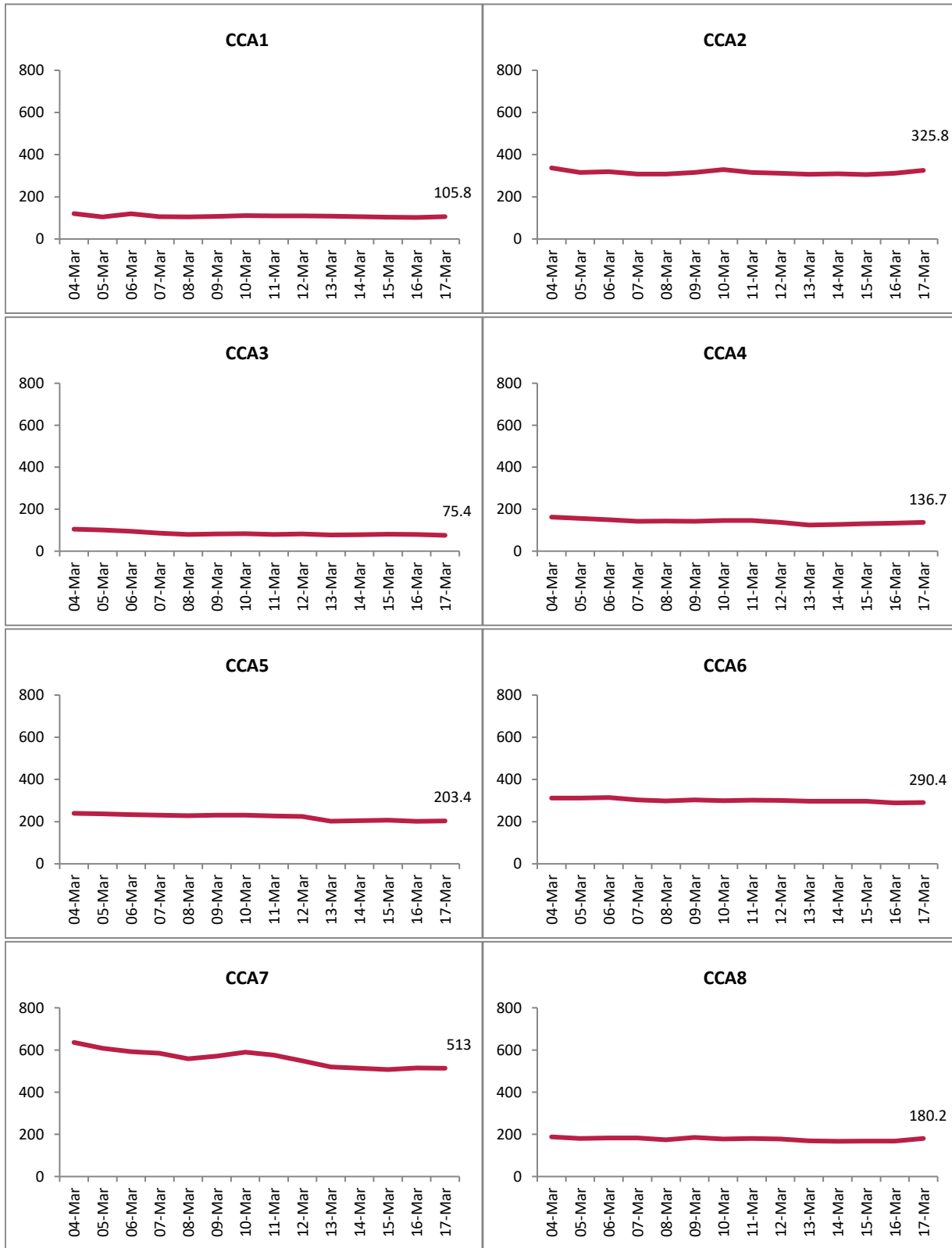




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (04/03/2021 to 17/03/2021)



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