



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 16/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 02/03/2021 up to midnight 15/03/2021

	Number	Percent
Total number of confirmed cases	7,052	
National incidence of confirmed cases per 100,000 population	148.09	
Number of cases hospitalised*	422	5.98
Number of cases admitted to ICU*	14	0.2
Number of deaths among confirmed cases	16	0.23
Case fatality ratio (CFR, %)	0.23	
National incidence of confirmed deaths per 100,000 population	0.34	
Number of cases** associated with clusters	1,276	18.09
Number of imported cases	38	0.54
Number of cases in healthcare workers	266	3.77
% HCW where HCW status known (n=5,646)		4.71
Males	3,567	50.58
Females	3,471	49.22
M:F ratio	1.03	
Median age (years)	32	
Mean age (years)	34	
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
02/03/2021 - 15/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:09 on 16/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

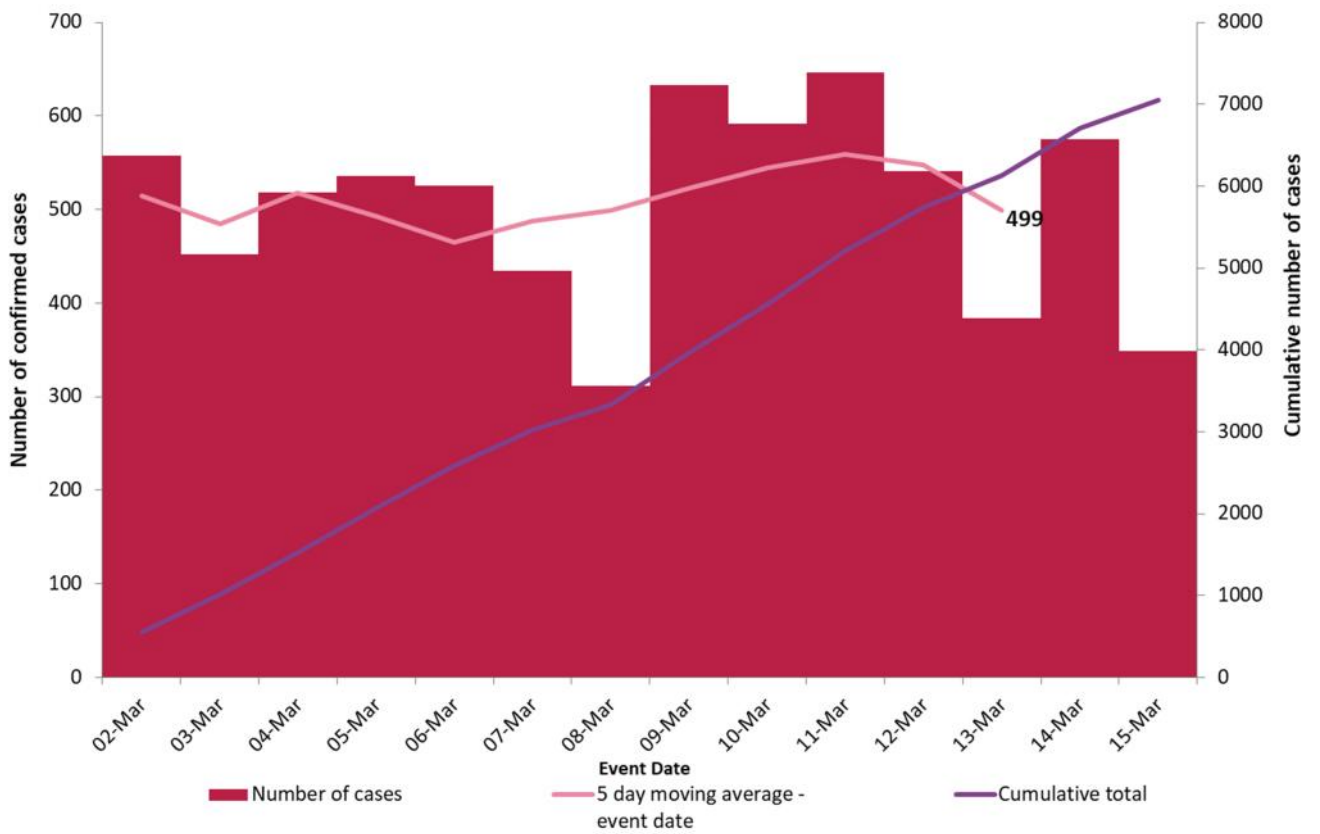


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,052)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 02/03/2021 up to midnight on 15/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,052	100
Sex	Male:Female ratio	1.03	
	Male	3,567	50.58
	Female	3,471	49.22
	Unknown	14	0.2
Age	Median age (years)	32	
	Mean age (years)	34	
	Age range (years)	0 - 97	
	0-4 yrs	451	6.4
	5-12 yrs	714	10.12
	13-18 yrs	577	8.18
	19-24 yrs	936	13.27
	25-34 yrs	1,195	16.95
	35-44 yrs	1,143	16.21
	45-54 yrs	839	11.9
	55-64 yrs	593	8.41
	65-74 yrs	331	4.69
	75-84 yrs	196	2.78
	85+ yrs	76	1.08
Unknown	1	0.01	

Table 2: Characteristics of confirmed COVID-19 cases notified in Ireland from 02/03/2021 up to midnight on 15/03/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		7,052	100	
Symptom status at time of test*	Yes	4,156	58.93	73.56
	No	1,494	21.19	26.44
	Unknown	1,402	19.88	
	Total cases where known	5,650		
Healthcare worker	Yes	266	3.77	4.71
	No	5,380	76.29	95.29
	Unknown	1,406	19.94	
	Total cases where known	5,646		

*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 02/03/2021 to midnight 15/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	408	104.3
CHO2	494	109.0
CHO3	438	113.8
CHO4	360	52.1
CHO5	461	90.3
CHO6	657	171.5
CHO7	1,160	163.9
CHO8	1,236	199.6
CHO9	1,837	295.6
Total	7,052	148.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 02/03/2021 to midnight 15/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (07/03/2021-11/03/2021)
Offaly	271	347.6	21
Longford	141	345.0	5
Kildare	505	227.0	45
Dublin	3,008	223.3	202
Meath	420	215.3	31
Louth	200	155.2	13
Donegal	242	152.0	21
Westmeath	131	147.6	11
Limerick	260	133.4	13
Carlow	74	130.0	7
Tipperary	187	117.2	15
Galway	292	113.2	27
Roscommon	68	105.4	7
Waterford	120	103.3	9
Mayo	134	102.7	7
Wicklow	142	99.7	10
Wexford	130	86.8	12
Laois	73	86.2	3
Monaghan	51	83.1	3
Sligo	53	80.9	3
Clare	83	69.9	5
Cavan	51	67.0	3
Kerry	79	53.5	5
Cork	281	51.8	19
Kilkenny	45	45.3	2
Leitrim	11	34.3	1
Total	7,052	148.1	499

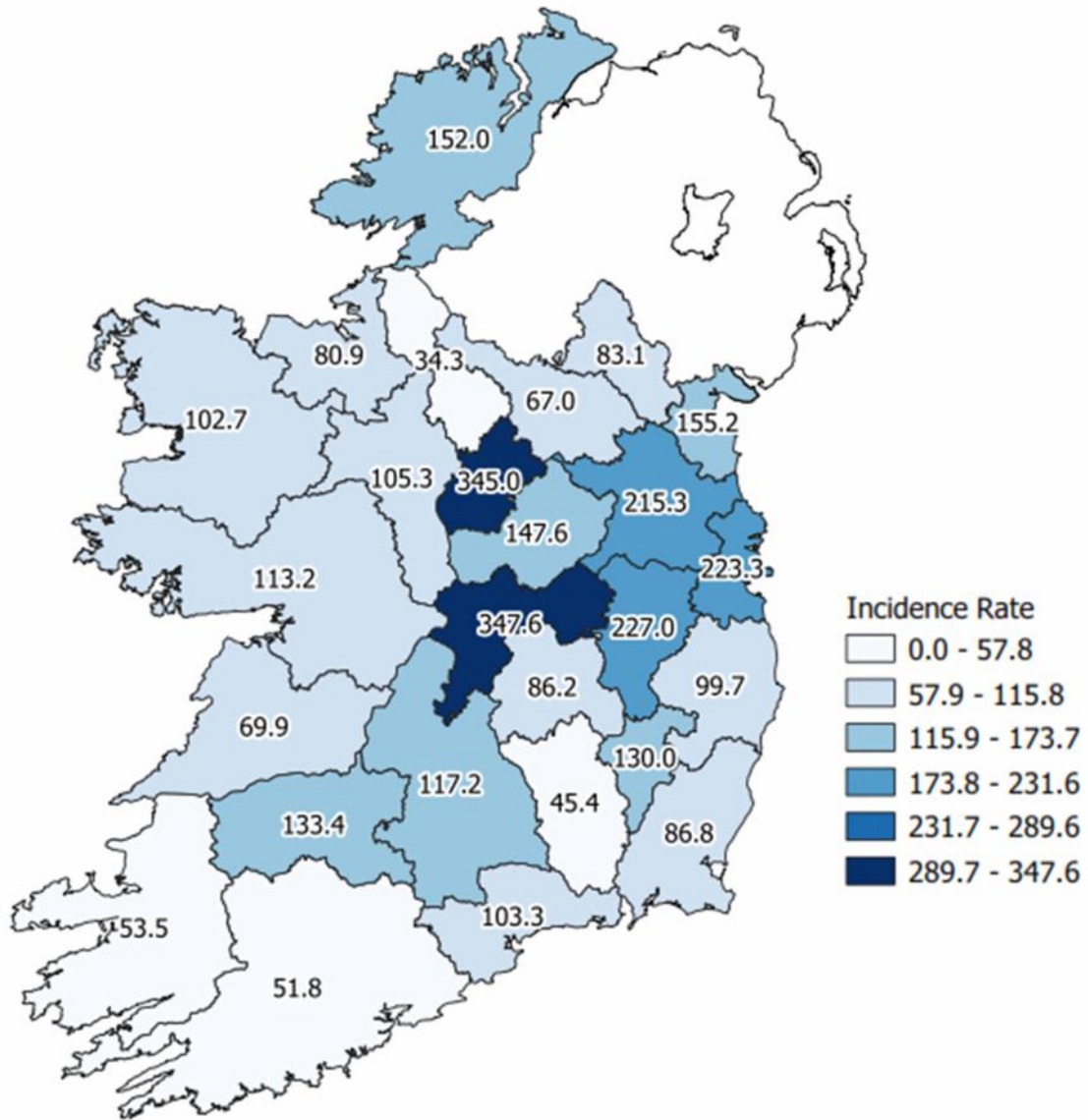


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 02/03/2021 and 15/03/2021

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 02/03/2021 and 15/03/2021

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	378	305.6
CCA3	Dublin South City	121	80.7
CCA4	Dublin South West	210	130.5
CCA5	Dublin West	321	206.6
CCA6	Dublin North West	617	297.1
CCA7	Dublin North Central	784	507.2
CCA8	Dublin North	436	168.2
	Unknown	1	
	Dublin	3,008	223.3

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.

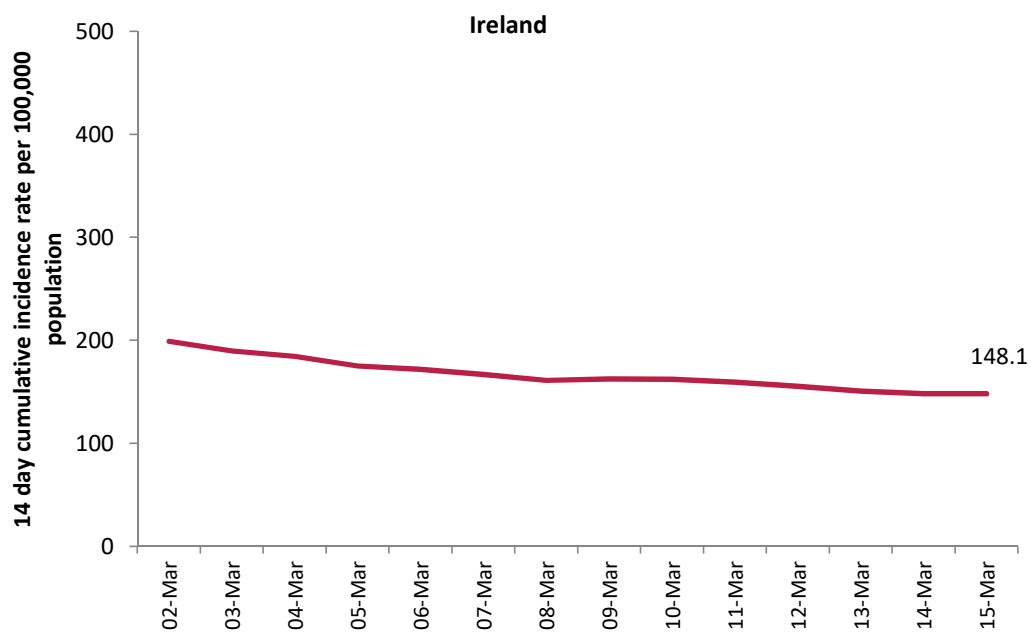


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (02/03/2021 to 15/03/2021)

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 5 of this report

Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 02/03/2021 to midnight 15/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	110	1.56%
Close contact with a known confirmed case	3713	52.65%
Healthcare setting acquired: patient	97	1.38%
Healthcare setting acquired: staff	70	0.99%
Community transmission	1503	21.31%
Under investigation	1559	22.11%
Total cases with known most likely transmission source	5493	
Total	7052	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 02/03/2021 to midnight 15/03/2021 by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)
0-4 yrs	451	18	4.27	0
5-12 yrs	714	5	1.18	0
13-18 yrs	577	14	3.32	0
19-24 yrs	936	53	12.56	<5
25-34 yrs	1195	36	8.53	<5
35-44 yrs	1143	43	10.19	<5
45-54 yrs	839	49	11.61	<5
55-64 yrs	593	49	11.61	<5
65-74 yrs	331	46	10.90	<5
75-84 yrs	196	74	17.54	<5
85+ yrs	76	35	8.29	<5
Unknown	1			0
Total	7,052	422	100	14

* 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 01/03/2021 up to midnight 14/03/2021

	Number	Percent	
Total number of deaths	20		
	Confirmed	16	80
	Possible	4	20
Total number of cases hospitalised	17	85	
Total number of male cases	11	55	
M:F ratio	1.22		
Median age (years)	76.5		
Mean age (years)	70		
Age range (years)	0 - 94		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 02/03/2021 up to midnight 15/03/2021

Age group (years)	Female	Male	Total	Percent
≤65 yrs	*	*	7	45
65+ yrs	6	6	12	55
Total	9	11	20	100
Percent	45	55		

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 at 08:09 on 16/03/2021. 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.

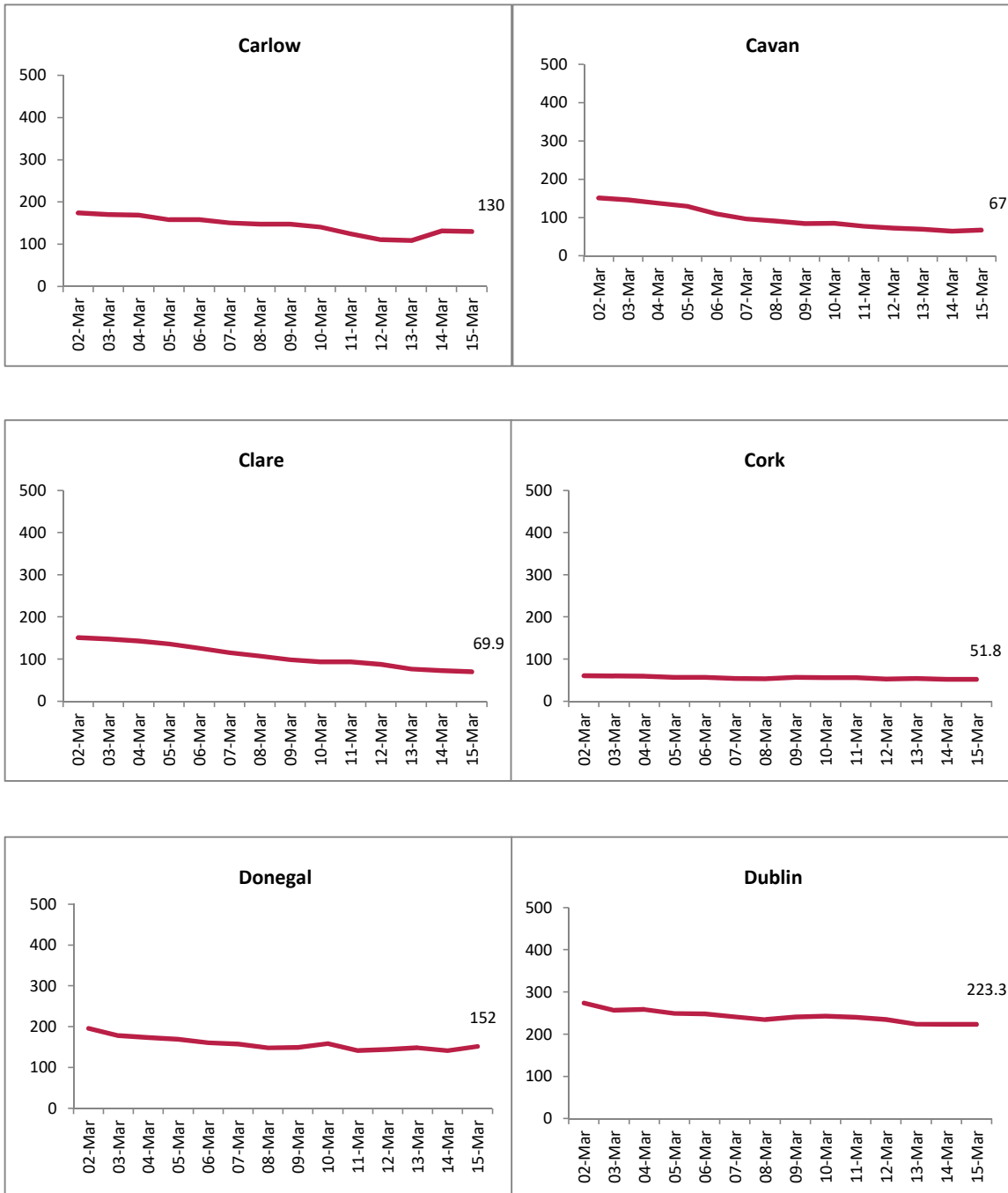
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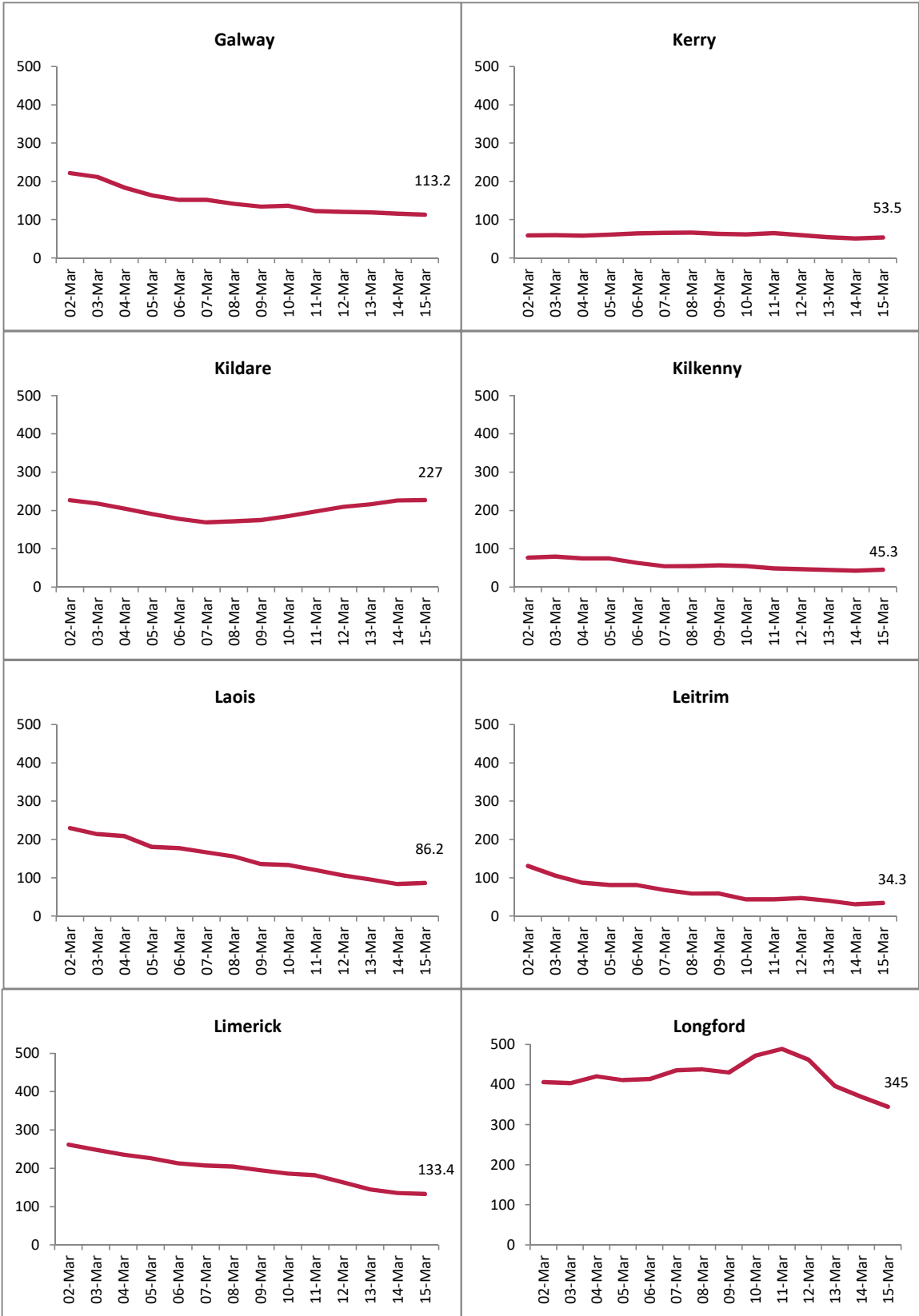
WHO definition of transmission classification is specified below:

- 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 (02/03/2021 to 15/03/2021)





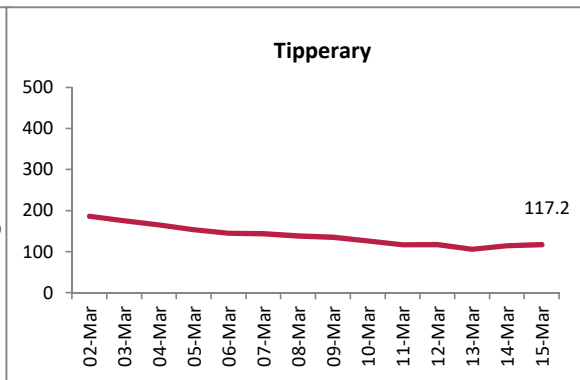
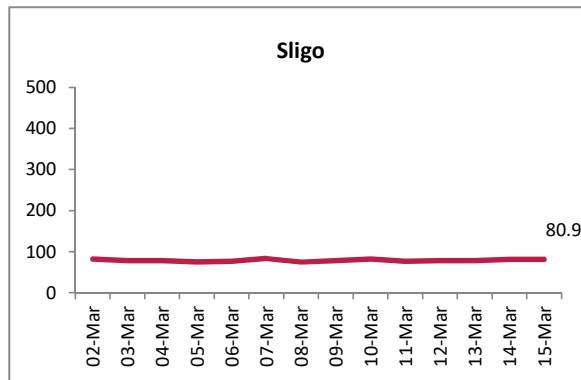
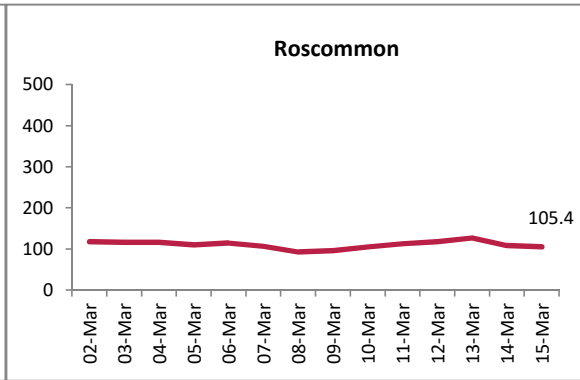
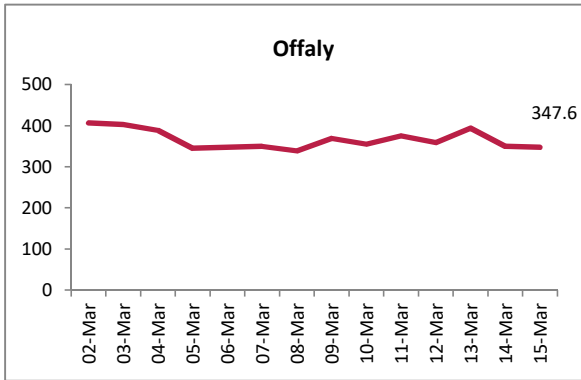
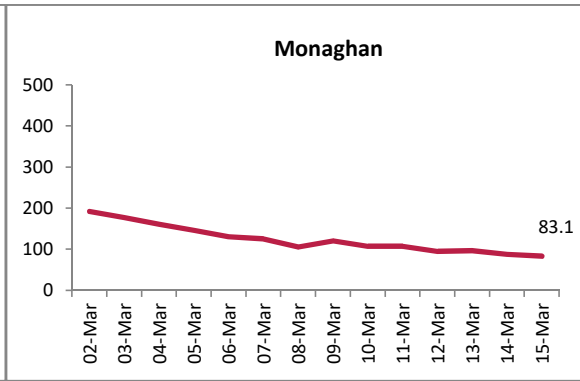
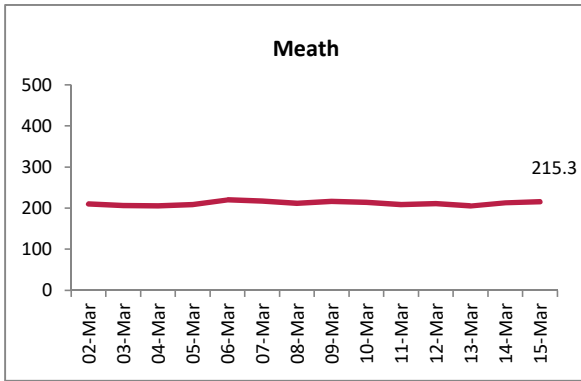
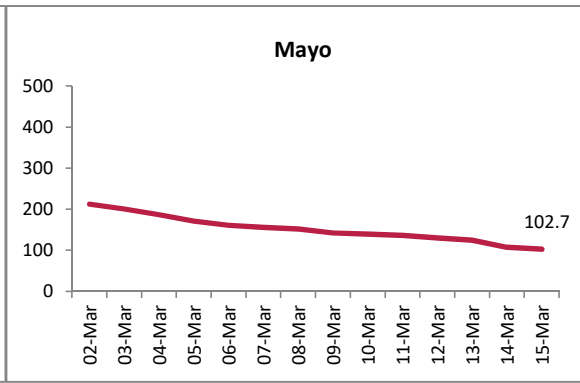
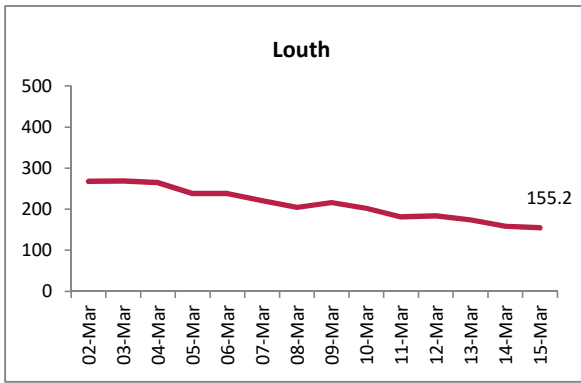
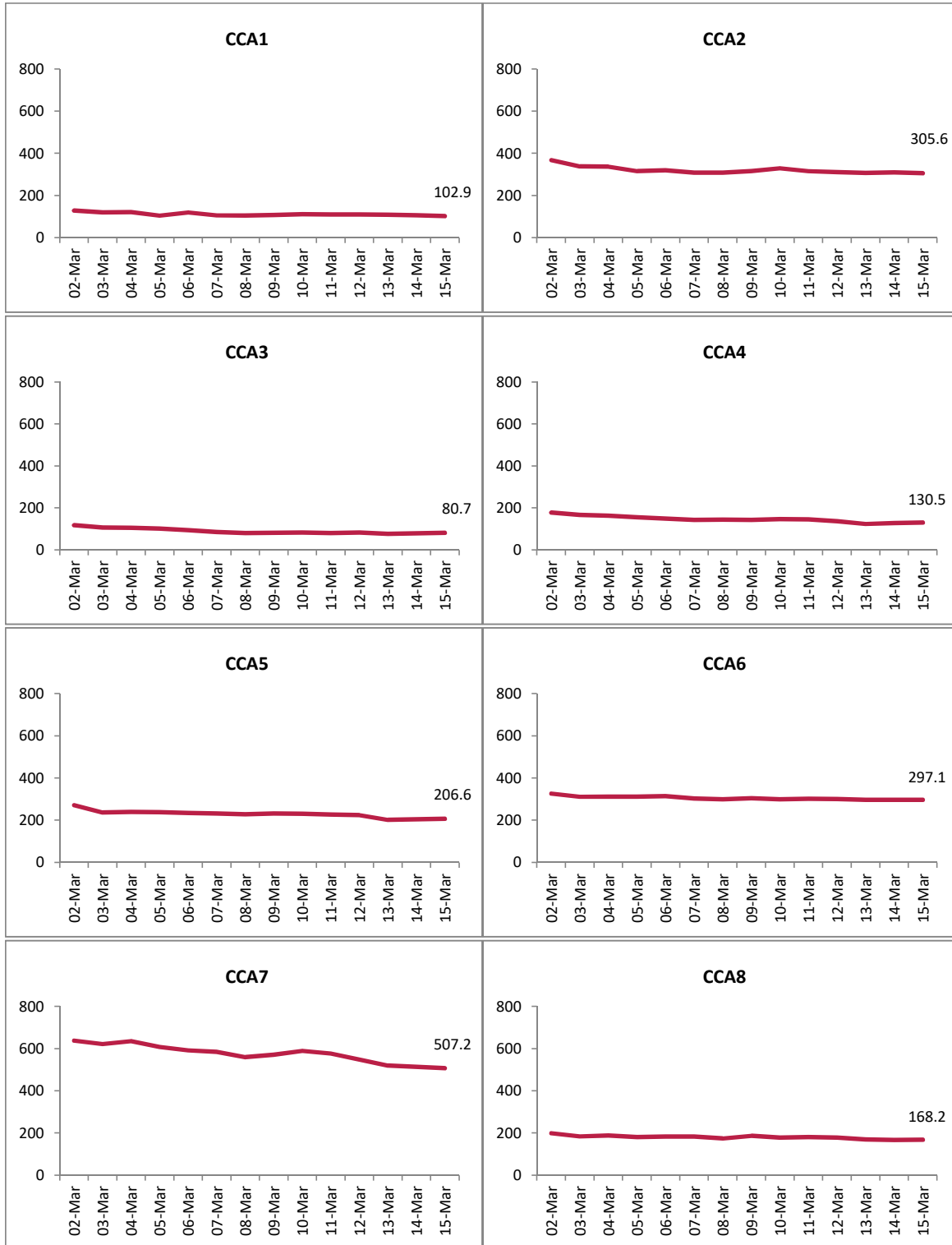




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (02/03/2021 to 15/03/2021)



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