



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 21/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/03/2021 up to midnight 20/03/2021

	Number	Percent
Total number of confirmed cases	7,395	
National incidence of confirmed cases per 100,000 population	155.3	
Number of cases hospitalised*	377	5.1
Number of cases admitted to ICU*	24	0.32
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	1,454	19.66
Number of imported cases	42	0.57
Number of cases in healthcare workers	244	3.3
% HCW where HCW status known (n=5,593)		4.36
Males	3,672	49.66
Females	3,706	50.11
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
07/03/2021 - 20/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:47 on 21/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

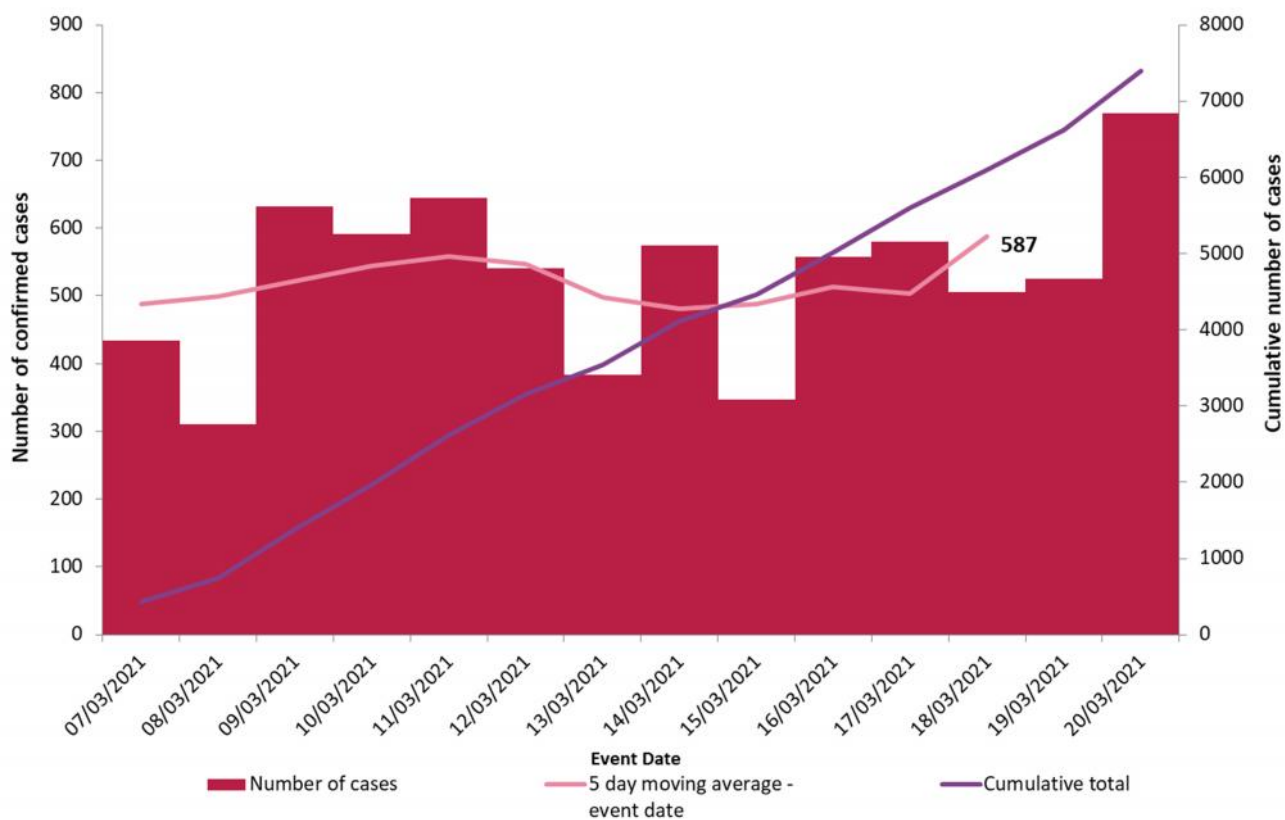


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,395)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 07/03/2021 up to midnight on 20/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,395	100
Sex	Male:Female ratio	0.99	
	Male	3,672	49.66
	Female	3,706	50.11
	Unknown	17	0.23
Age	Median age (years)	31	
	Mean age (years)	33	
	Age range (years)	0 - 99	
	0-4 yrs	563	7.61
	5-12 yrs	839	11.35
	13-18 yrs	626	8.47
	19-24 yrs	834	11.28
	25-34 yrs	1,229	16.62
	35-44 yrs	1,258	17.01
	45-54 yrs	861	11.64
	55-64 yrs	547	7.4
	65-74 yrs	349	4.72
	75-84 yrs	208	2.81
	85+ yrs	81	1.1
Unknown			

Table 2: Characteristics of confirmed COVID-19 cases notified in Ireland from 07/03/2021 up to midnight on 20/03/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		7,395	100	
Symptom status at time of test*	Yes	4,193	56.7	73.91
	No	1,480	20.01	26.09
	Unknown	1,722	23.29	
	Total cases where known	5,673		
Healthcare worker	Yes	244	3.3	4.36
	No	5,349	72.33	95.64
	Unknown	1,802	24.37	
	Total cases where known	5,593		

*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 07/03/2021 to midnight 20/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	523	133.7
CHO2	543	119.8
CHO3	405	105.2
CHO4	331	47.9
CHO5	592	116.0
CHO6	680	177.5
CHO7	1,201	169.7
CHO8	1,229	198.5
CHO9	1,891	304.3
Total	7,395	155.3

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 07/03/2021 to midnight 20/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (16/03/2021-20/03/2021)
Carlow	84	147.5	6
Cavan	65	85.3	7
Clare	64	53.9	5
Cork	253	46.6	15
Donegal	337	211.7	30
Dublin	3088	229.2	251
Galway	349	135.2	28
Kerry	78	52.8	6
Kildare	554	249.0	37
Kilkenny	36	36.3	3
Laois	72	85.0	8
Leitrim	12	37.4	1
Limerick	236	121.1	15
Longford	121	296.0	9
Louth	173	134.2	11
Mayo	94	72.0	4
Meath	420	215.3	32
Monaghan	43	70.0	2
Offaly	320	410.5	26
Roscommon	100	154.9	10
Sligo	66	100.7	6
Tipperary	225	141.0	20
Waterford	169	145.5	17
Westmeath	123	138.6	10
Wexford	183	122.2	19
Wicklow	130	91.3	9
Total	7,395	155.3	587

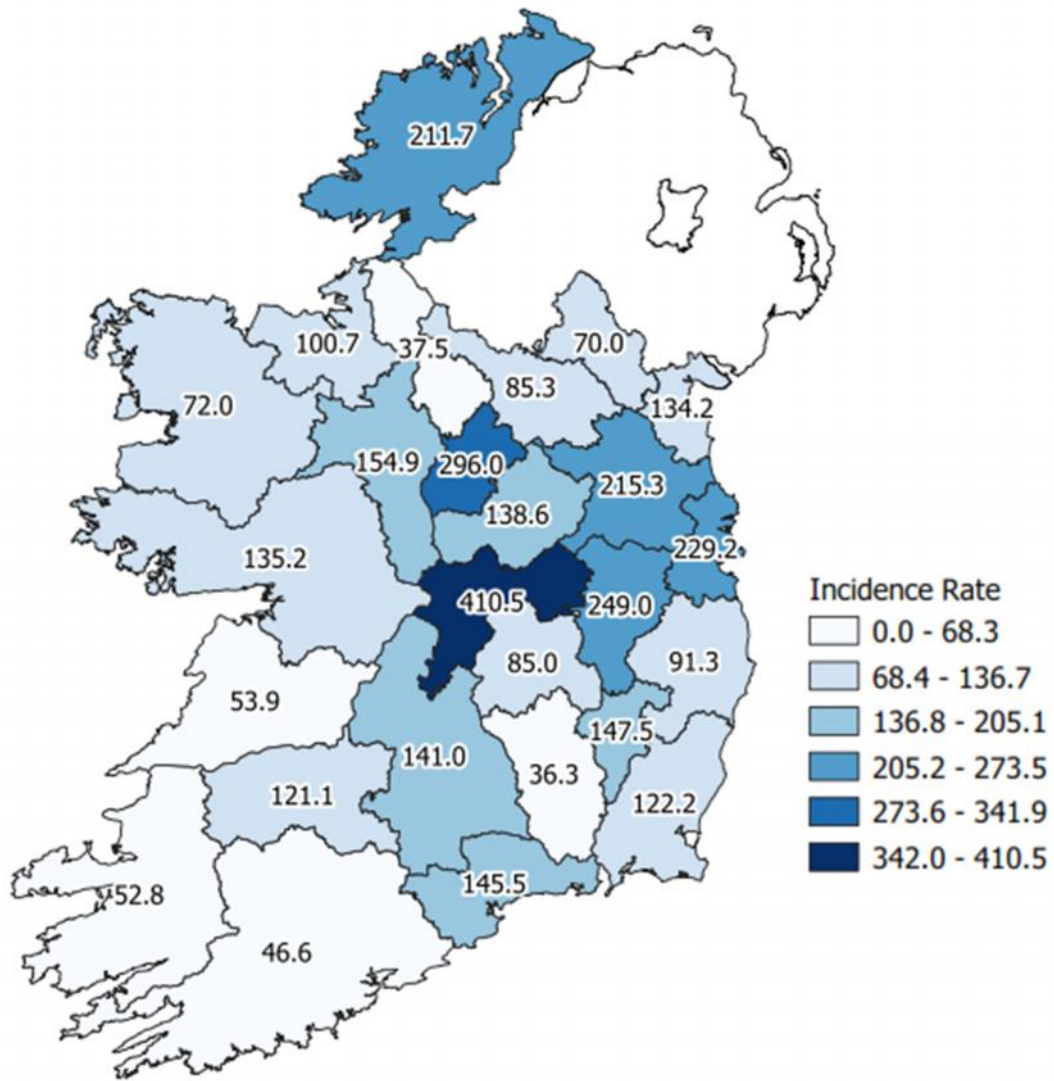


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/03/2021 and 20/03/2021

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 07/03/2021 and 20/03/2021

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	132	97.0
CCA2	Dublin South East	422	341.1
CCA3	Dublin South City	115	76.7
CCA4	Dublin South West	216	134.2
CCA5	Dublin West	312	200.8
CCA6	Dublin North West	613	295.2
CCA7	Dublin North Central	782	505.9
CCA8	Dublin North	496	191.4
	Dublin	3,088	229.2

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.

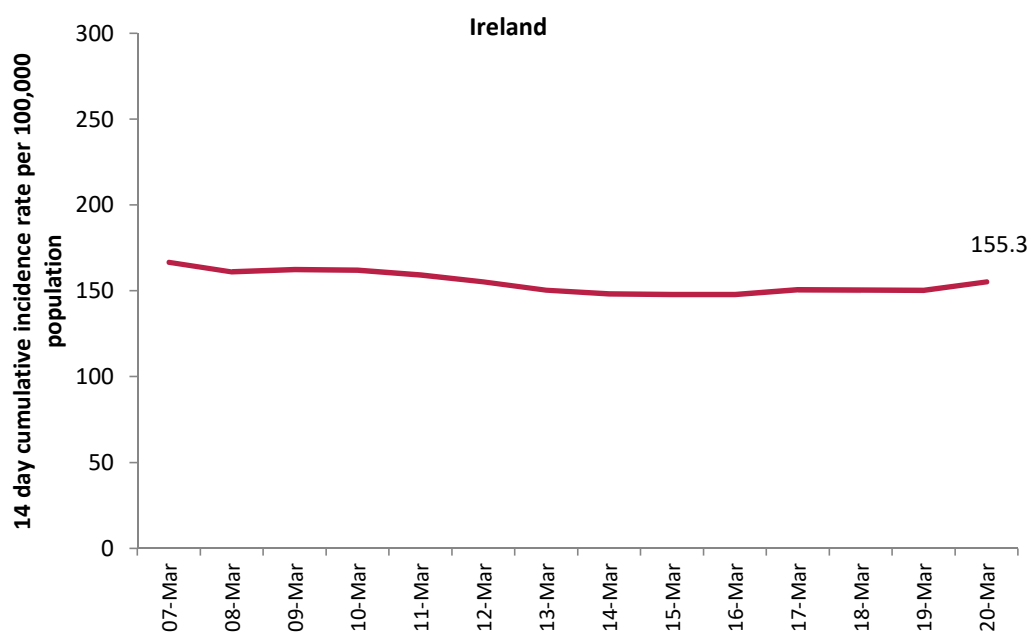


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (07/03/2021 to 20/03/2021)

*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 07/03/2021 to midnight 20/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	127	1.72%
Close contact with a known confirmed case	3,755	50.78%
Healthcare setting acquired: patient	112	1.51%
Healthcare setting acquired: staff	53	0.72%
Community transmission	1,458	19.72%
Under investigation	1,890	25.56%
Total	7,395	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 07/03/2021 to midnight 20/03/2021 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	563	10	2.65	0	0
5-12 yrs	839	6	1.59	0	0
13-18 yrs	626	10	2.65	0	0
19-24 yrs	834	23	6.10	<5	
25-34 yrs	1229	24	6.37	<5	
35-44 yrs	1258	38	10.08	<5	
45-54 yrs	861	42	11.14	8	34.78
55-64 yrs	547	42	11.14	<5	8.7
65-74 yrs	349	67	17.77	7	30.43
75-84 yrs	208	78	20.69	<5	
85+ yrs	81	37	9.81	<5	
Total	7,395	377	100	24	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 07/03/2021 up to midnight 20/03/2021

	Number	Percent	
Total number of deaths	19		
	Confirmed	16	84.21
	Possible	3	15.79
Total number of male cases	13	68.42	
M:F ratio	2.17		
Median age (years)	79		
Mean age (years)	77		
Age range (years)	55 - 94		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 07/03/2021 up to midnight 20/03/2021

Age group (years)	Female	Male	Total	Percent
55-64 yrs	<5	<5	3	15.79
65-74 yrs	<5	<5	3	15.79
75-84 yrs	<5	<5	9	47.37
85+ yrs	<5	<5	4	21.05
Total	6	13	19	100
Percent	31.58	68.42		

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 07:47 on 21/03/2021. 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.

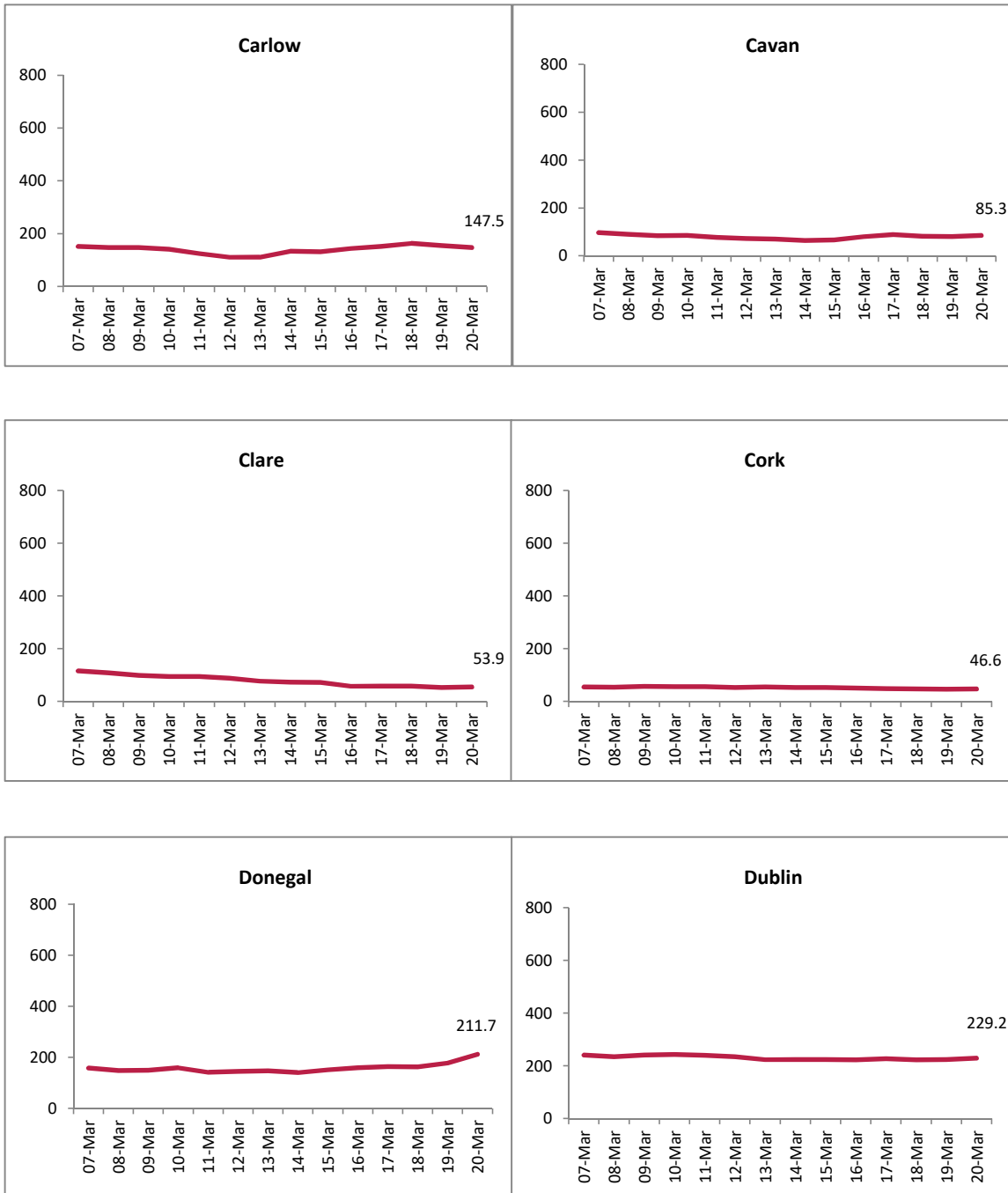
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

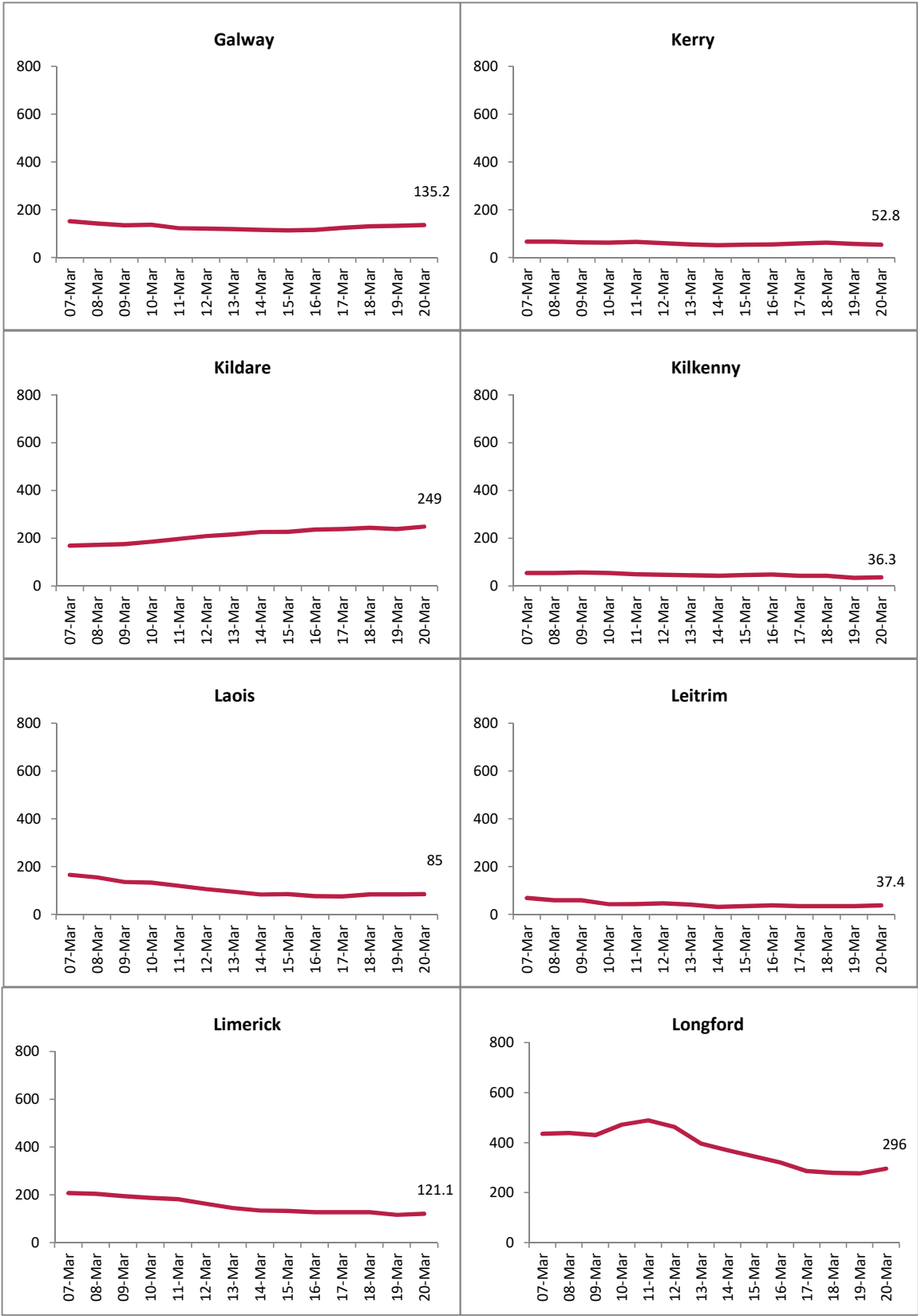
WHO definition of transmission classification is specified below:

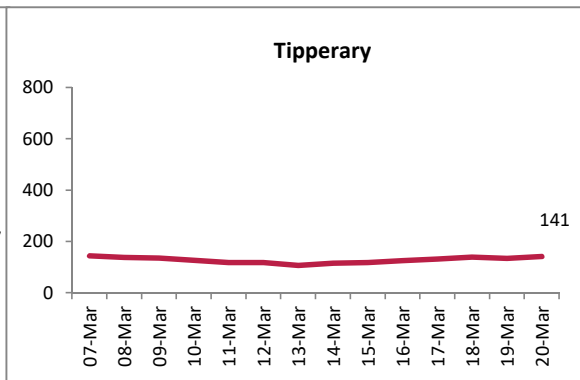
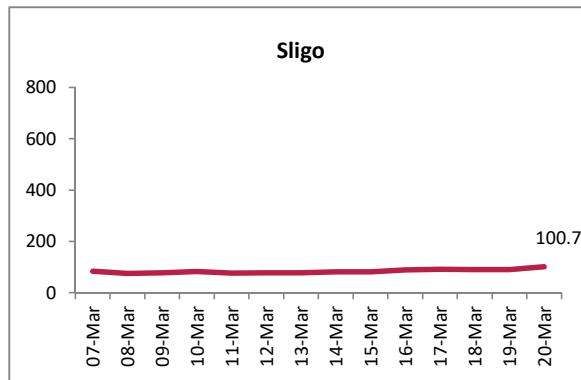
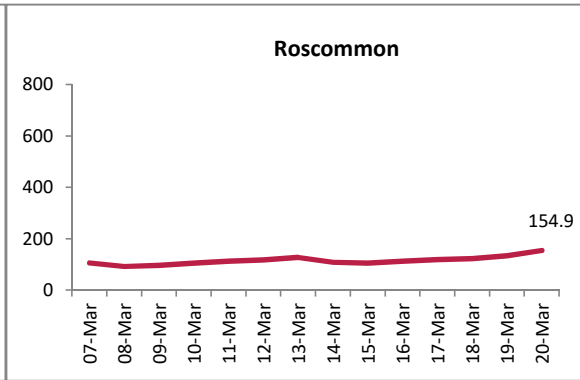
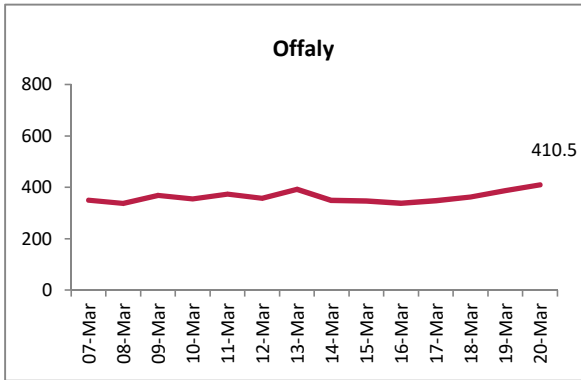
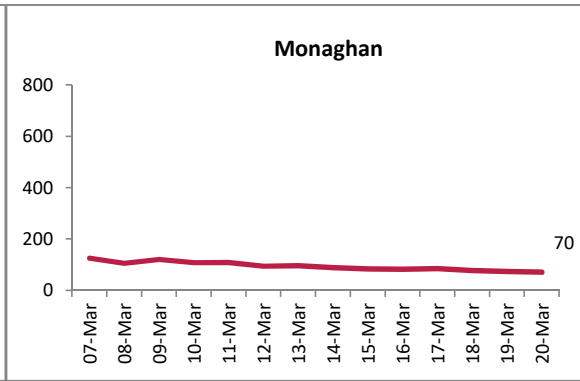
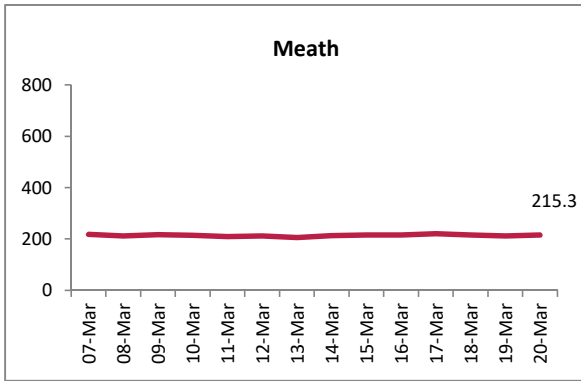
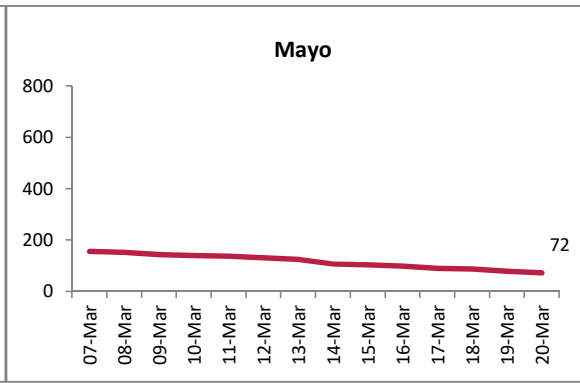
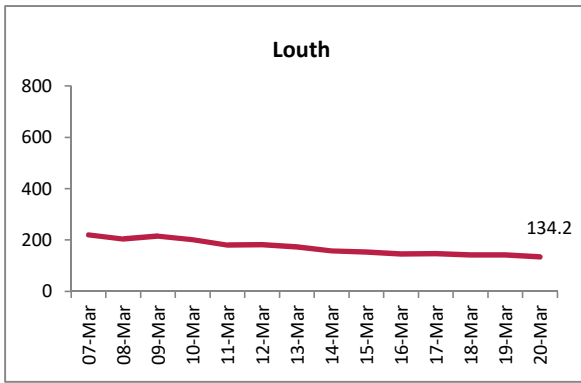
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (07/03/2021 to 20/03/2021)







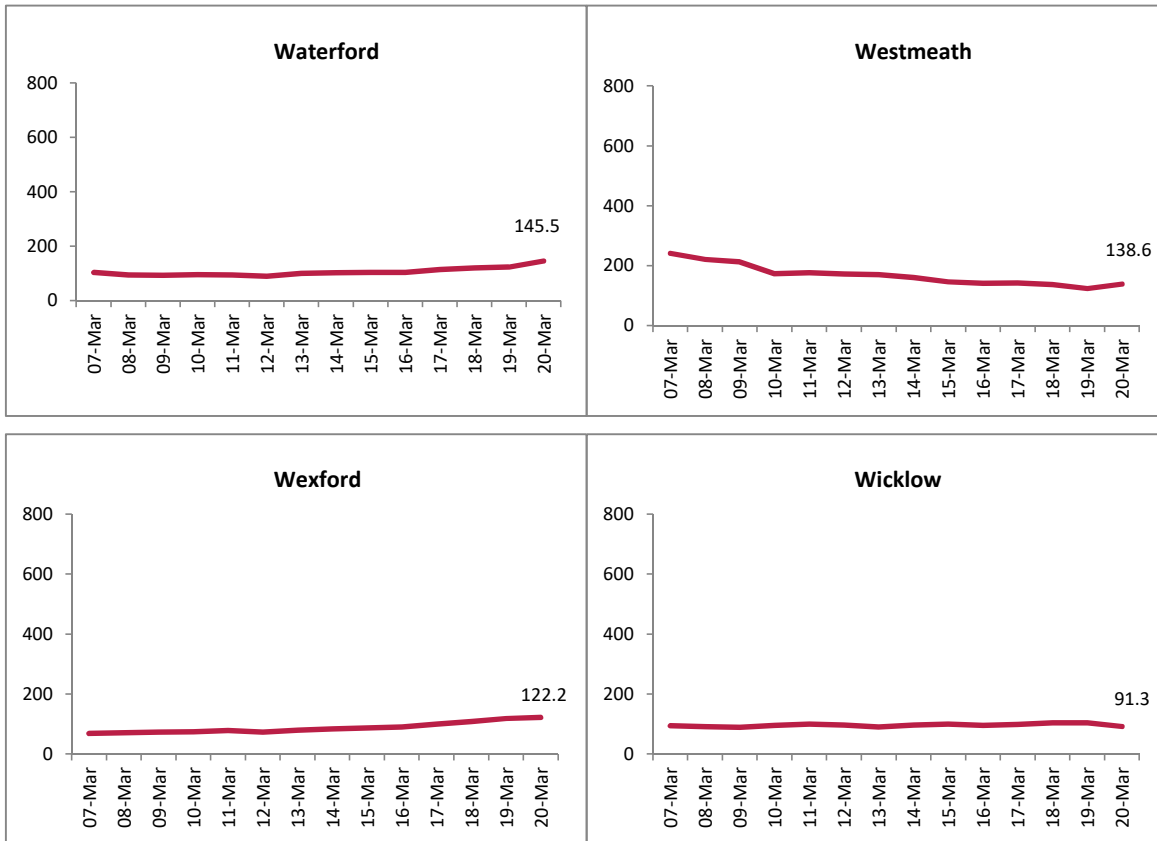
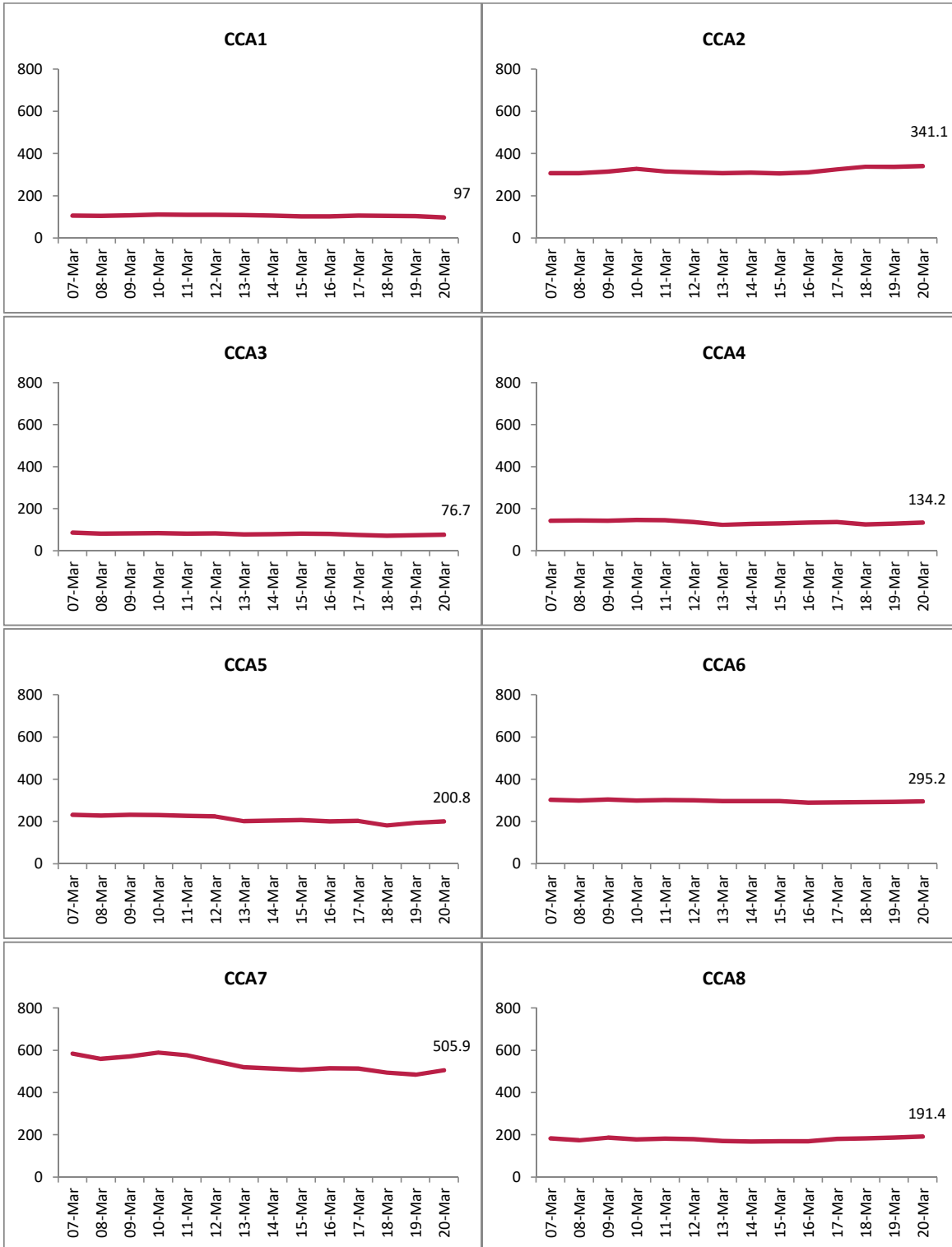


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (07/03/2021 to 20/03/2021)



Report prepared by Health Protection Surveillance Centre on 21/03/2021