



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/02/2021 up to midnight 04/03/2021

	Number	Percent
Total number of confirmed cases	8,815	
National incidence of confirmed cases per 100,000 population	185.12	
Number of cases hospitalised*	550	6.24
Number of cases admitted to ICU*	19	0.22
Number of deaths among confirmed cases	25	0.28
Case fatality ratio (CFR, %)	0.28	
National incidence of confirmed deaths per 100,000 population	0.53	
Number of cases** associated with clusters	1,613	18.3
Number of imported cases	25	0.28
Number of cases in healthcare workers	459	5.21
Males	4,358	49.44
Females	4,443	50.4
M:F ratio	0.98	
Median age (years)	33	
Mean age (years)	35	
Age range (years)	0 - 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

**Cases may be associated with outbreaks notified outside the timeframe of this report
19/02/2021 - 04/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:48 on 05/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

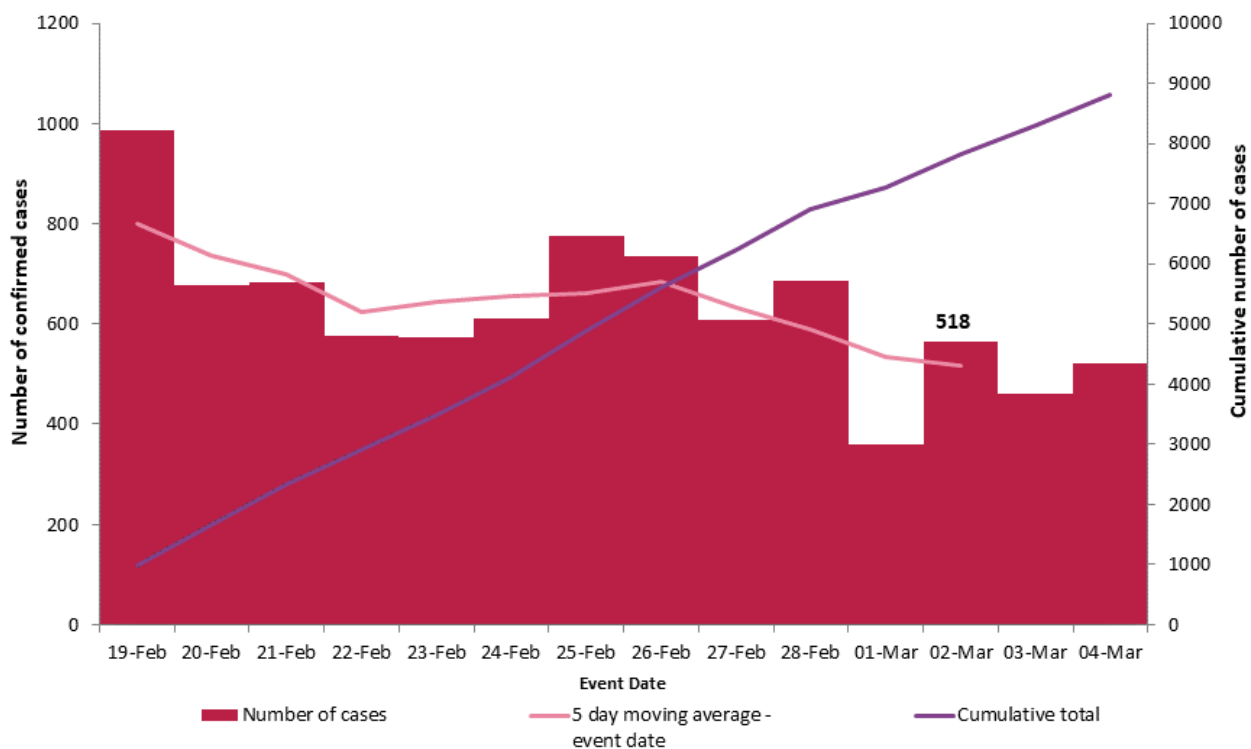


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=8,815)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 19/02/2021 up to midnight on 04/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		8,815	100
Sex	Male:Female ratio	0.98	
	Male	4,358	49.44
	Female	4,443	50.4
	Unknown	14	0.16
Age	Median age (years)	33	
	Mean age (years)	35	
	Age range (years)	0 - 100	
	0-4 yrs	566	6.42
	5-12 yrs	771	8.75
	13-18 yrs	628	7.12
	19-24 yrs	1,289	14.62
	25-34 yrs	1,429	16.21
	35-44 yrs	1,363	15.46
	45-54 yrs	1,136	12.89
	55-64 yrs	809	9.18
	65-74 yrs	372	4.22
	75-84 yrs	271	3.07
	85+ yrs	179	2.03
	Unknown	2	0.02
Symptom status at time of test*	Yes	5,192	58.9
	No	1,749	19.84
	Unknown	1,874	21.26

*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 19/02/2021 to midnight 04/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	565	144.4
CHO2	795	175.5
CHO3	739	191.9
CHO4	411	59.5
CHO5	590	115.6
CHO6	713	186.1
CHO7	1,244	175.8
CHO8	1,628	262.9
CHO9	2,129	342.6
Unknown	1	
Total	8,815	185.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 19/02/2021 to midnight 04/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (28/02/2021-04/03/2021)
Longford	161	393.9	13
Offaly	299	383.5	19
Westmeath	242	272.6	17
Louth	340	263.8	21
Dublin	3,497	259.5	224
Limerick	466	239.1	20
Laois	179	211.3	8
Meath	407	208.7	27
Kildare	454	204.0	23
Mayo	244	187.0	12
Galway	478	185.2	21
Donegal	283	177.8	16
Carlow	95	166.9	4
Tipperary	258	161.7	11
Monaghan	98	159.6	5
Clare	169	142.2	11
Waterford	165	142.0	6
Cavan	105	137.8	6
Roscommon	73	113.1	6
Wicklow	136	95.5	8
Leitrim	28	87.4	1
Sligo	51	77.8	4
Kilkenny	73	73.6	3
Wexford	103	68.8	5
Kerry	88	59.6	5
Cork	323	59.5	23
Total	8,815	185.1	518

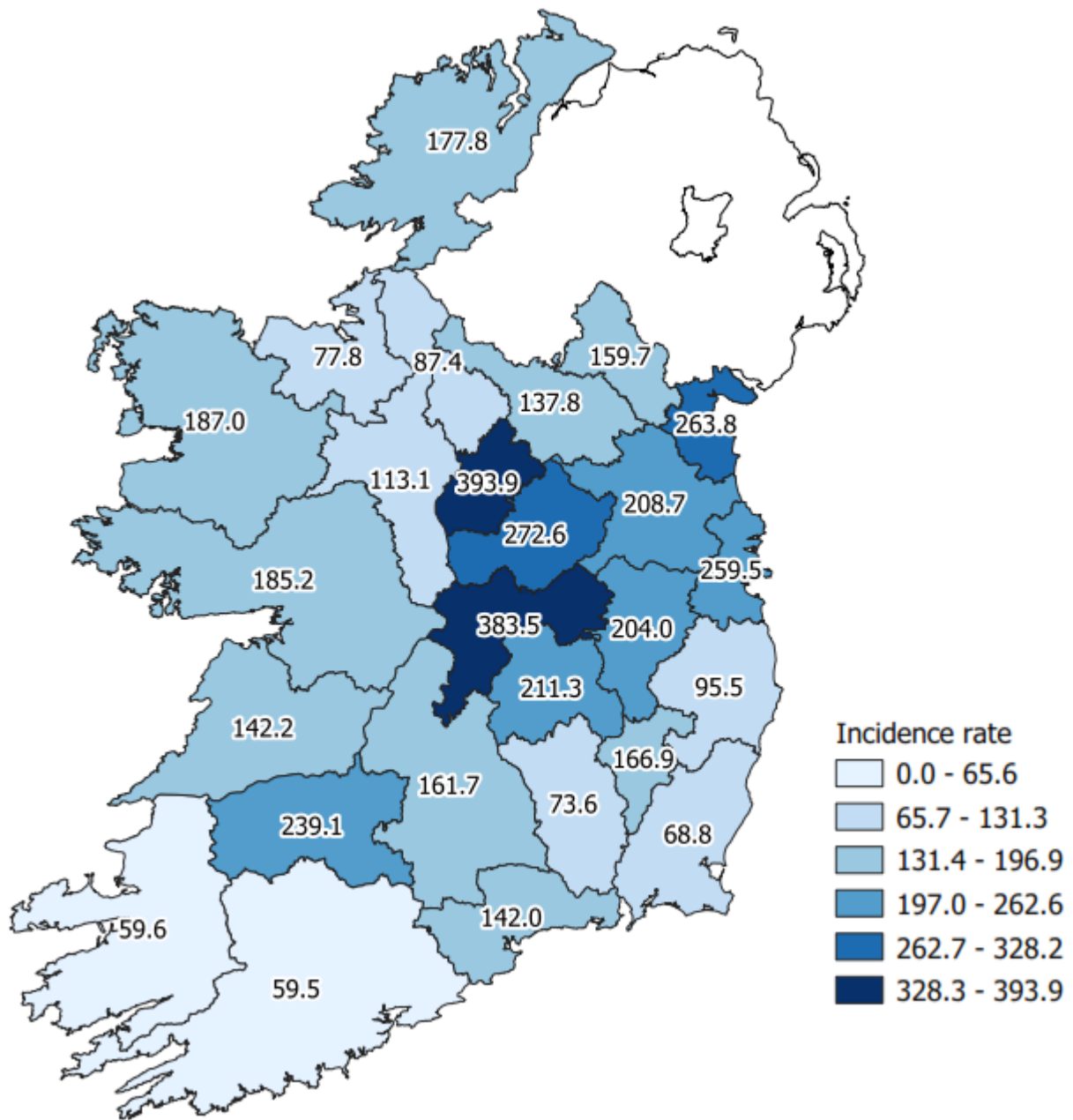


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/02/2021 and 04/03/2021

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 19/02/2021 and 04/03/2021

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	164	120.5
CCA2	Dublin South East	420	339.5
CCA3	Dublin South City	154	102.7
CCA4	Dublin South West	260	161.6
CCA5	Dublin West	369	237.5
CCA6	Dublin North West	651	313.5
CCA7	Dublin North Central	989	639.8
CCA8	Dublin North	489	188.7
	Unknown	1	
	Dublin	3,497	259.5

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.

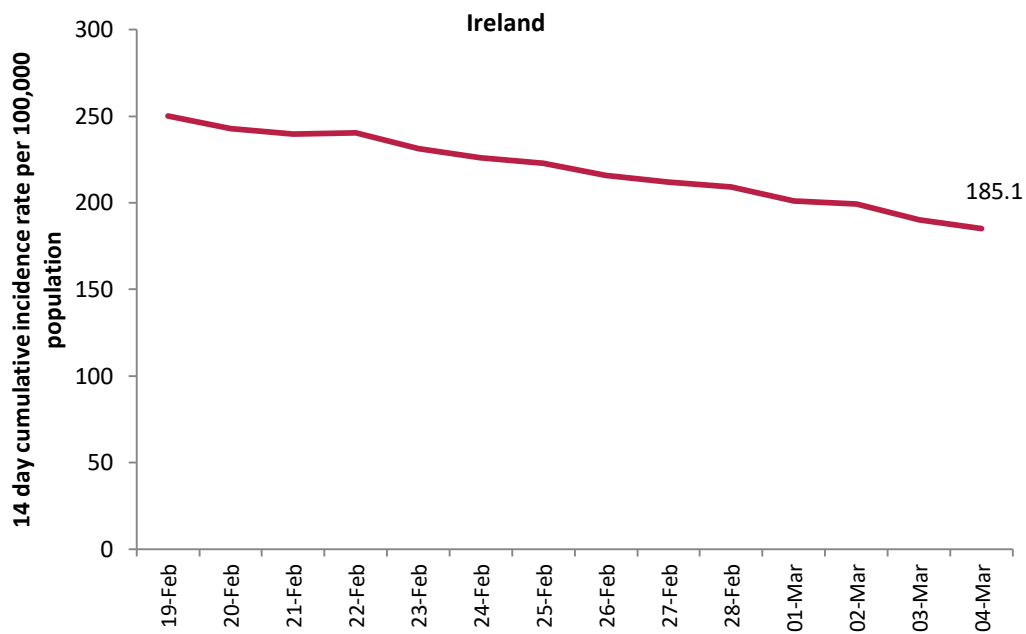


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (19/02/2021 to 04/03/2021)

*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 19/02/2021 to midnight 04/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	84	0.95%
Close contact with a known confirmed case	4,591	52.08%
Healthcare setting acquired: patient	242	2.75%
Healthcare setting acquired: staff	157	1.78%
Community transmission	1,658	18.81%
Under investigation	2,083	23.63%
Total	8,815	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 19/02/2021 to midnight 04/03/2021 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	566	21	3.82	0	0.00
5-12 yrs	771	16	2.91	0	0.00
13-18 yrs	628	19	3.45	0	0.00
19-24 yrs	1,289	54	9.82	0	0.00
25-34 yrs	1,429	54	9.82	0	0.00
35-44 yrs	1,363	63	11.45	10**	52.63
45-54 yrs	1,136	68	12.36		
55-64 yrs	809	58	10.55	9**	47.37
65-74 yrs	372	71	12.91		
75-84 yrs	271	72	13.09		
85+ yrs	179	53	9.64	0	0.00
Unknown	2	1	0.18	0	0.00
Total	8,815	550	100.00	19	100.00

* 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

** ICU cases combined for these age groups as one or more values <5

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 19/02/2021 up to midnight 04/03/2021

	Number	Percent
Total number of deaths	27	
Confirmed	25	92.59
Possible	2	7.41
Total number of cases hospitalised	17	62.96
Total number of male cases	14	51.85
M:F ratio	1.08	
Median age (years)	79	
Mean age (years)	75	
Age range (years)	0 - 95	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 19/02/2021 up to midnight 04/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	5	18.51
65-74 yrs	*	*	6	22.22
75-84 yrs	*	*	7	25.93
85+ yrs	*	*	9	33.33
Total	13	14	27	100
Percent	48.15	51.85		

* 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.

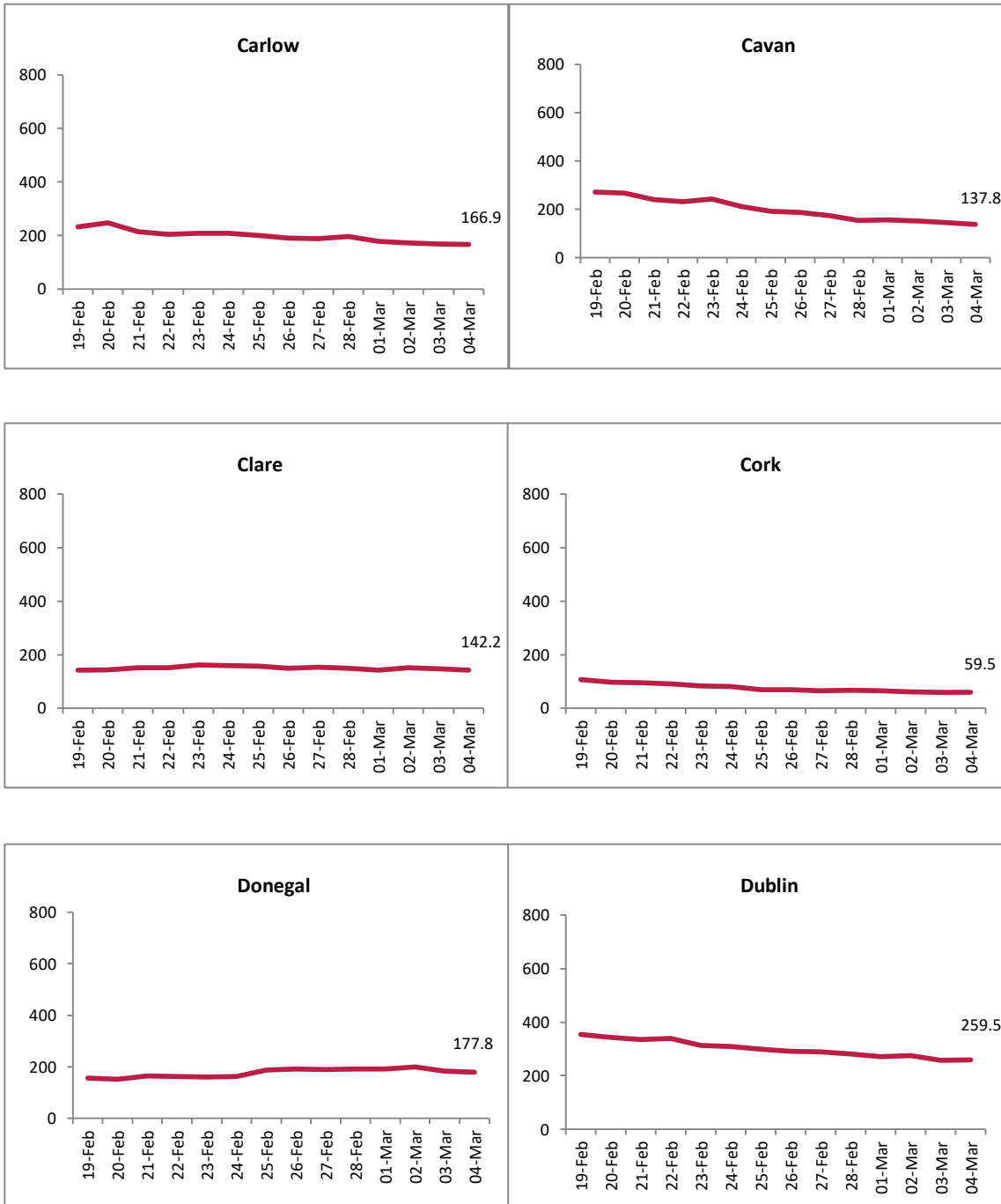
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

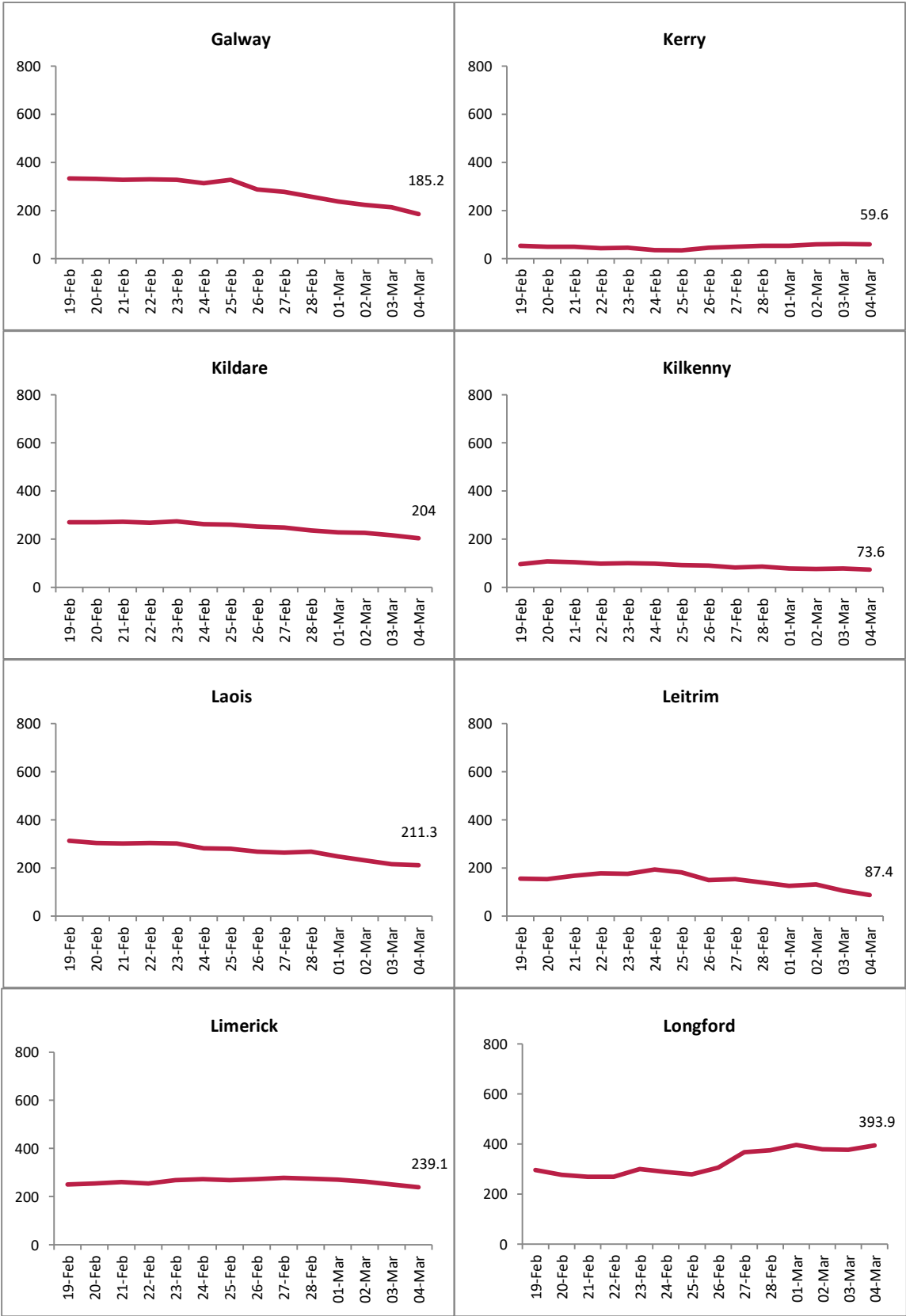
WHO definition of transmission classification is specified below:

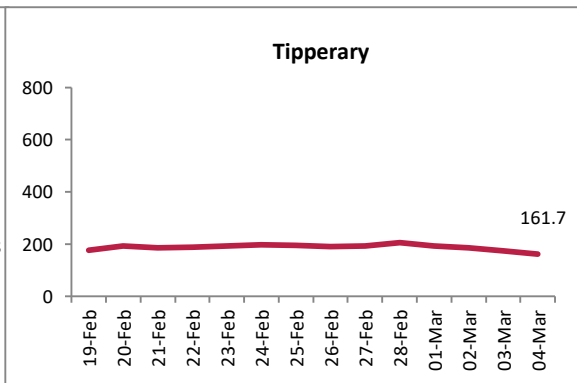
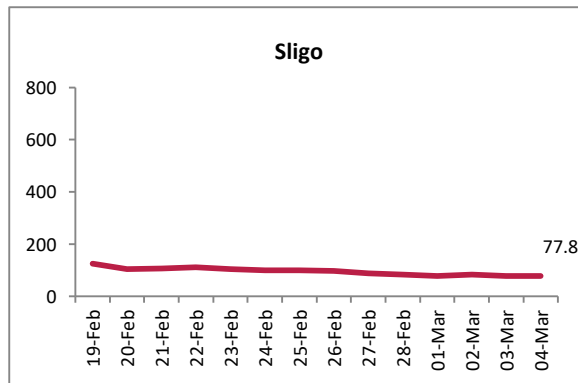
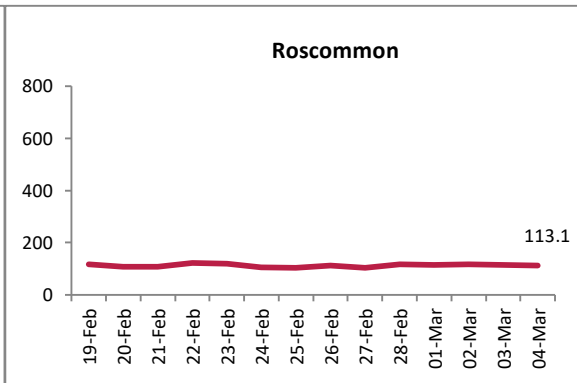
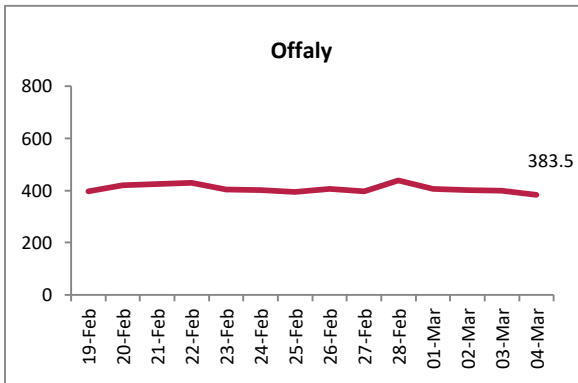
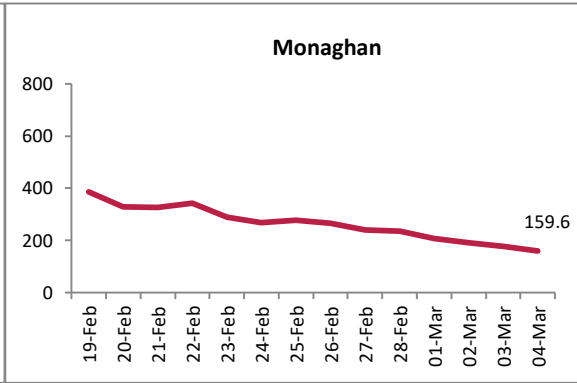
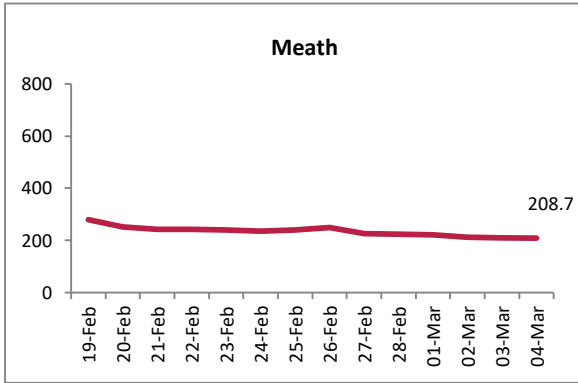
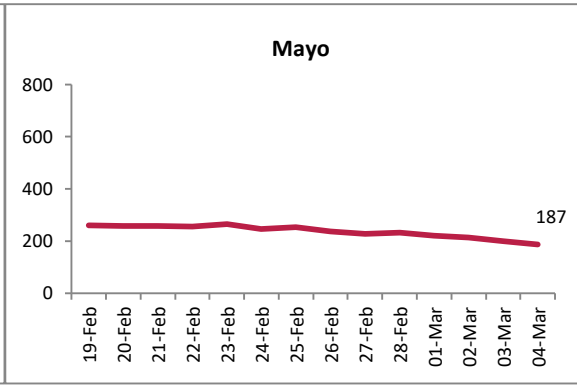
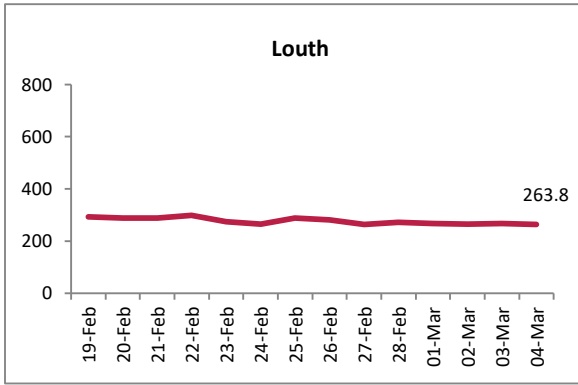
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (19/02/2021 to 04/03/2021)







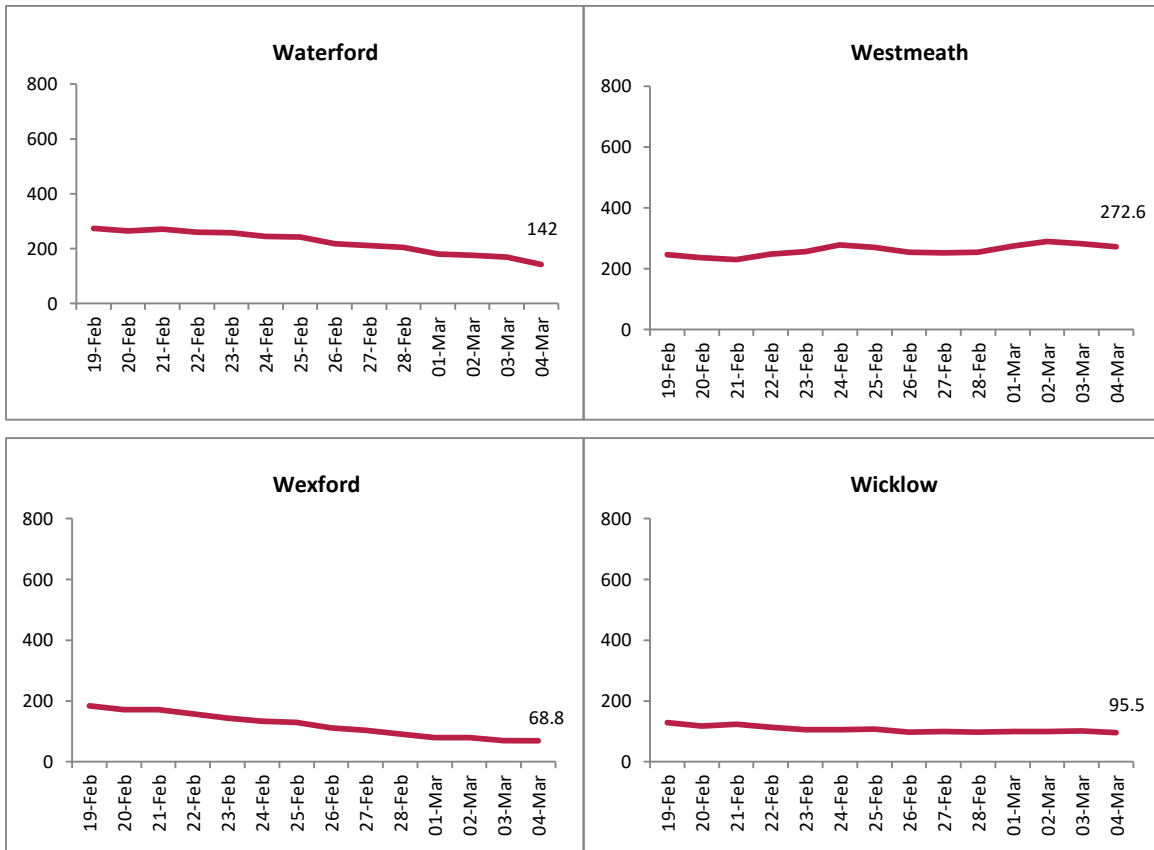


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (19/02/2021 to 04/03/2021)

