



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/02/2021 up to midnight 07/03/2021

	Number	Percent
Total number of confirmed cases	7,952	
National incidence of confirmed cases per 100,000 population	166.99	
Number of cases hospitalised*	514	6.46
Number of cases admitted to ICU*	16	0.2
Number of deaths among confirmed cases	11	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.23	
Number of cases** associated with clusters	1,324	16.65
Number of imported cases	18	0.23
Number of cases in healthcare workers	373	4.69
Males	3,986	50.13
Females	3,954	49.72
M:F ratio	1.01	
Median age (years)	33	
Mean age (years)	35	
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
22/02/2021 - 07/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:43 on 08/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

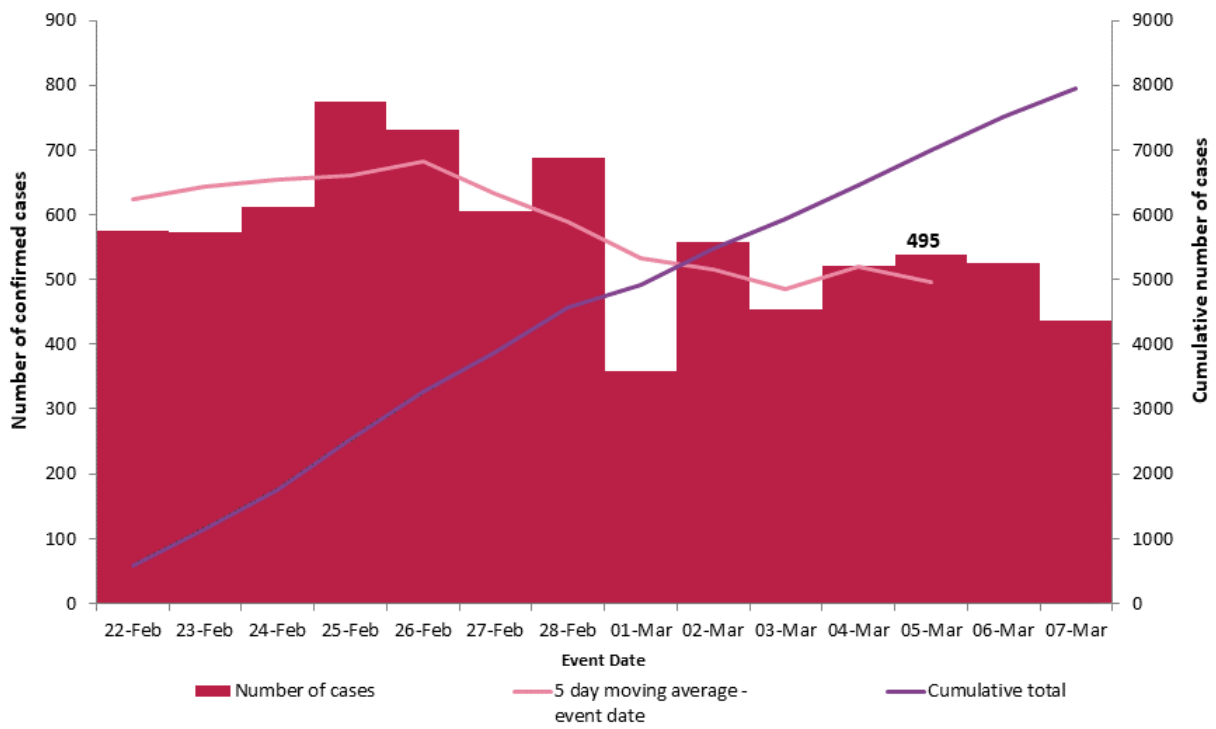


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=7,952)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/02/2021 up to midnight on 07/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		7,952	100
Sex	Male:Female ratio	1.01	
	Male	3,986	50.13
	Female	3,954	49.72
	Unknown	12	0.15
Age	Median age (years)	33	
	Mean age (years)	35	
	Age range (years)	0 - 99	
	0-4 yrs	505	6.35
	5-12 yrs	702	8.83
	13-18 yrs	587	7.38
	19-24 yrs	1,111	13.97
	25-34 yrs	1,332	16.75
	35-44 yrs	1,253	15.76
	45-54 yrs	1,011	12.71
	55-64 yrs	701	8.82
	65-74 yrs	353	4.44
	75-84 yrs	250	3.14
	85+ yrs	145	1.82
	Unknown	2	0.03
Symptom status at time of test*	Yes	4,753	59.77
	No	1,584	19.92
	Unknown	1,615	20.31

*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 22/02/2021 to midnight 07/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	479	122.4
CHO2	663	146.3
CHO3	640	166.2
CHO4	393	56.9
CHO5	498	97.6
CHO6	657	171.5
CHO7	1,089	153.9
CHO8	1,518	245.1
CHO9	2,015	324.3
Total	7,952	167.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/02/2021 to midnight 07/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (03/02/2021-07/03/2021)
Longford	163	398.8	12
Offaly	268	343.8	15
Westmeath	234	263.6	10
Dublin	3,253	241.4	226
Louth	284	220.4	14
Meath	426	218.4	30
Limerick	410	210.4	22
Laois	143	168.8	7
Kildare	374	168.1	23
Donegal	251	157.7	12
Carlow	88	154.6	5
Mayo	201	154.0	12
Galway	394	152.7	17
Tipperary	225	141.0	13
Monaghan	77	125.4	4
Clare	137	115.3	6
Roscommon	68	105.4	4
Waterford	122	105.0	7
Cavan	74	97.1	4
Wicklow	134	94.1	12
Sligo	55	83.9	5
Wexford	104	69.5	8
Leitrim	22	68.7	0
Kerry	98	66.3	6
Cork	295	54.3	19
Kilkenny	52	52.4	4
Total	7,952	167.0	495

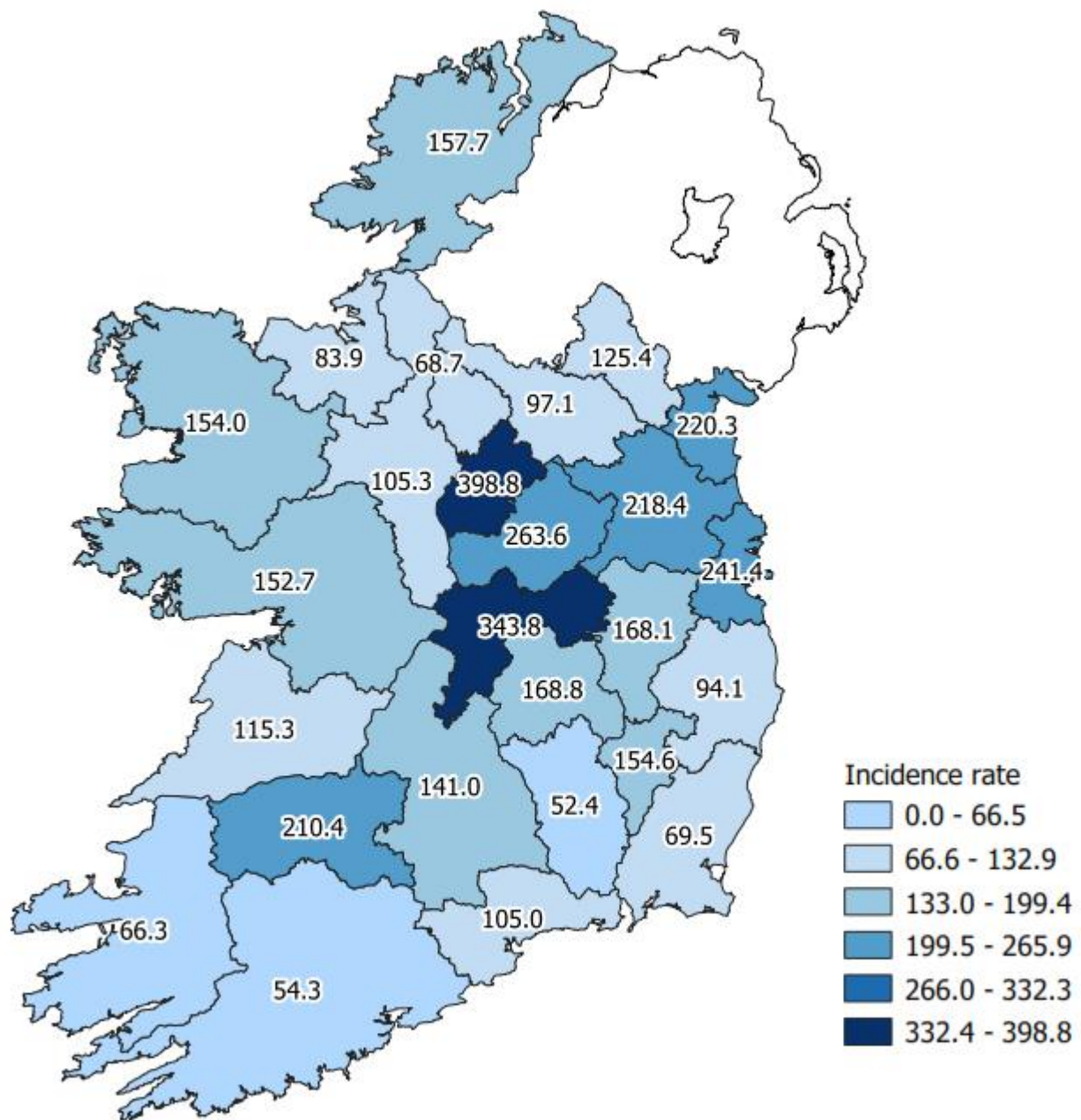


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/02/2021 and 07/03/2021

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 22/02/2021 and 07/03/2021

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	145	106.6
CCA2	Dublin South East	383	309.6
CCA3	Dublin South City	126	84.0
CCA4	Dublin South West	228	141.7
CCA5	Dublin West	356	229.2
CCA6	Dublin North West	630	303.4
CCA7	Dublin North Central	912	590.0
CCA8	Dublin North	473	182.5
	Dublin	3,253	241.4

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.

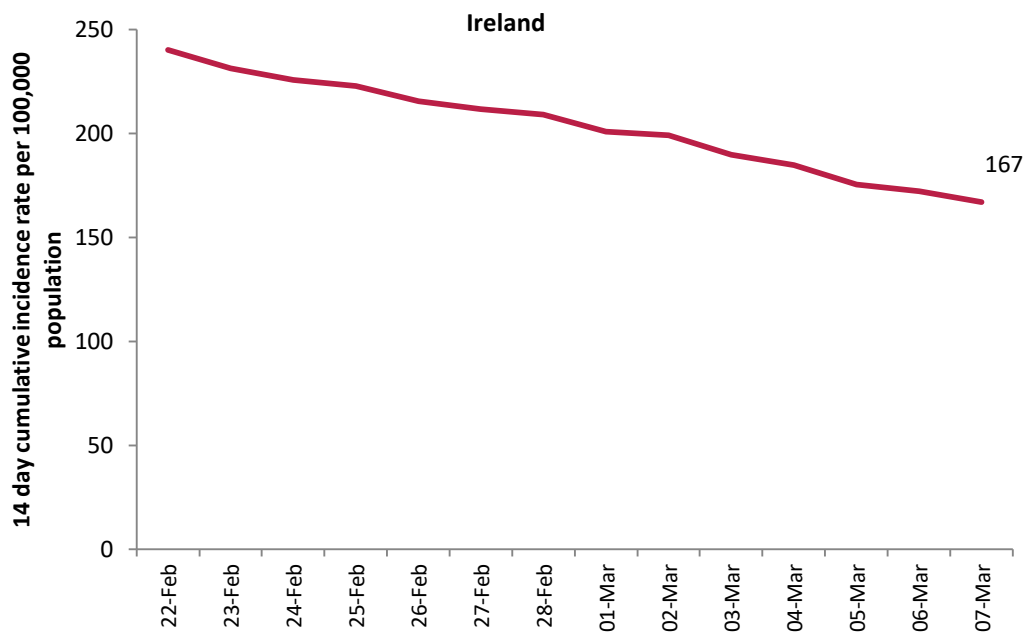


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (22/02/2021 to 07/03/2021)

*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 22/02/2021 to midnight 07/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	84	1.06%
Close contact with a known confirmed case	4,219	53.06%
Healthcare setting acquired: patient	180	2.26%
Healthcare setting acquired: staff	127	1.60%
Community transmission	1,534	19.29%
Under investigation	1,808	22.74%
Total	7,952	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 22/02/2021 to midnight 07/03/2021 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	505	19	3.70	0	0.00
5-12 yrs	702	16	3.11	0	0.00
13-18 yrs	587	19	3.70	<5	
19-24 yrs	1,111	55	10.70	0	0.00
25-34 yrs	1,332	49	9.53	0	0.00
35-44 yrs	1,253	49	9.53	<5	
45-54 yrs	1,011	65	12.65	7	43.75
55-64 yrs	701	50	9.73	<5	
65-74 yrs	353	61	11.87	<5	
75-84 yrs	250	83	16.15	<5	
85+ yrs	145	47	9.14	0	0.00
Unknown	2	1	0.19	0	0.00
Total	7,952	514	100.00	16	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

Deaths among COVID-19 cases

Table 7: Summary of deaths in all COVID-19 cases notified in Ireland from 22/02/2021 up to midnight 07/03/2021

	Number	Percent
Total number of deaths	13	
Confirmed	11	84.62
Possible	2	15.38
Total number of cases hospitalised	9	69.23
Total number of male cases	7	53.85
M:F ratio	1.17	
Median age (years)	78	
Mean age (years)	70	
Age range (years)	0 - 88	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 22/02/2021 up to midnight 07/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	4	30.76
65-84 yrs	*	*	6	46.15
85+ yrs	*	*	3	23.08
Total	6	7	13	100
Percent	46.15	53.85		

*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.

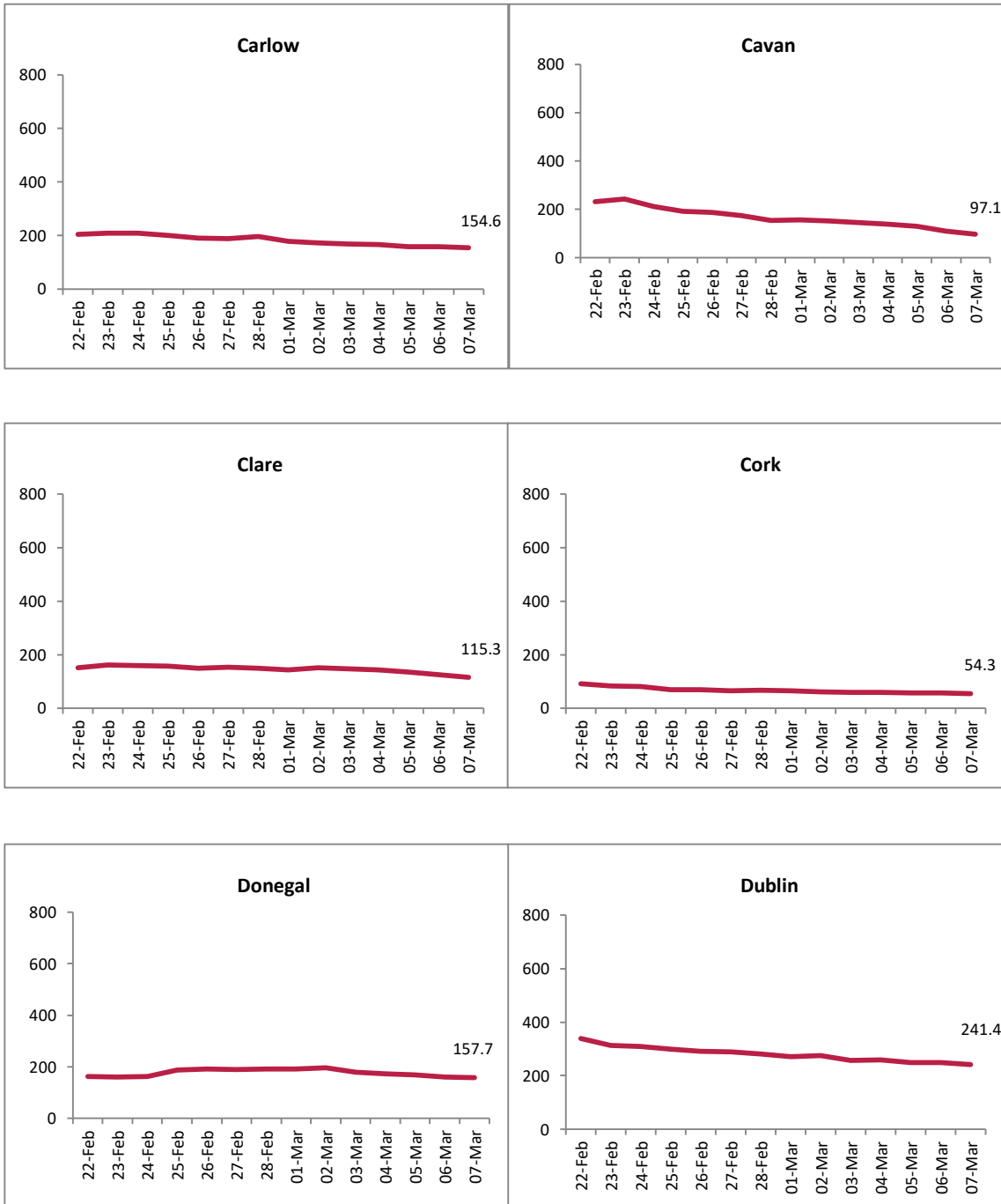
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

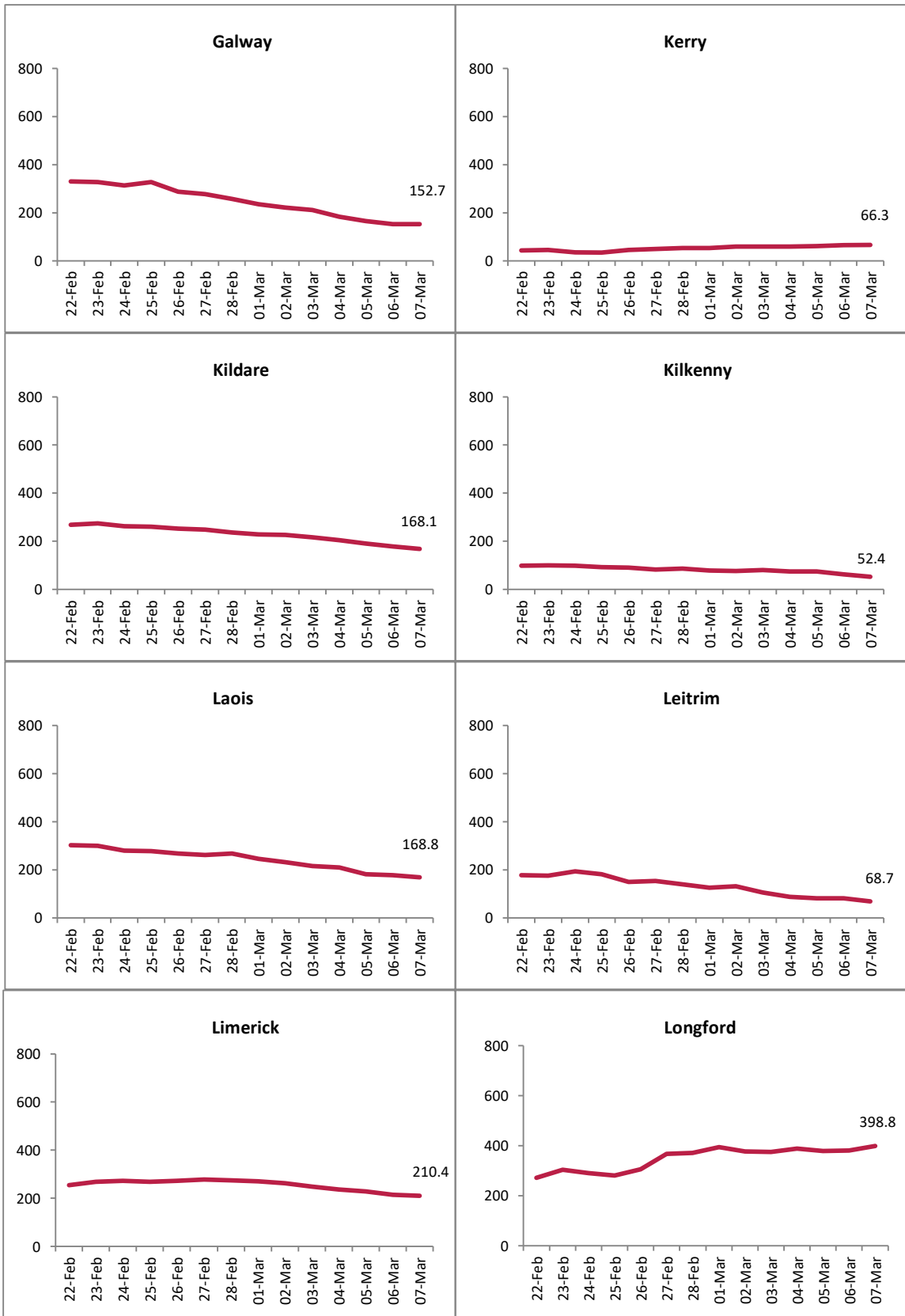
WHO definition of transmission classification is specified below:

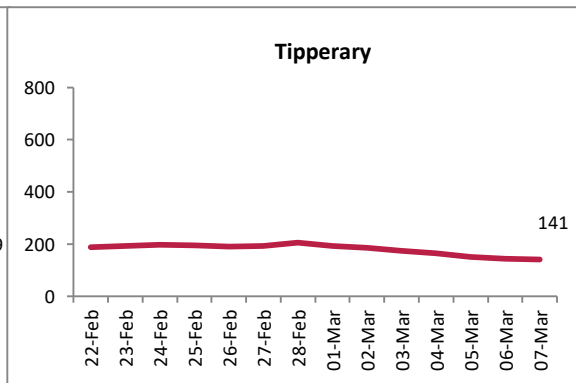
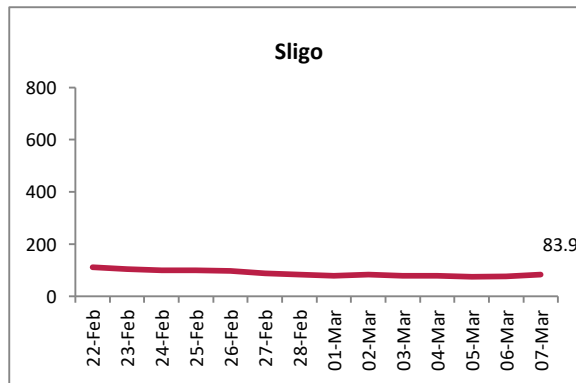
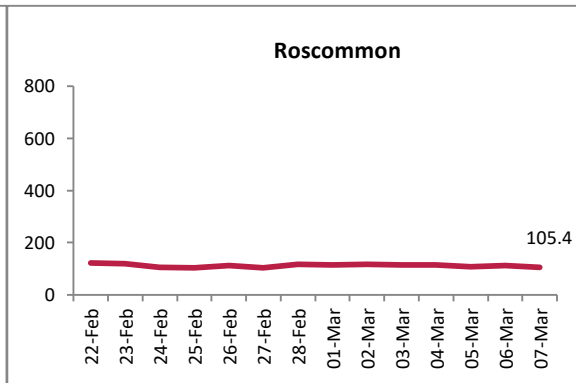
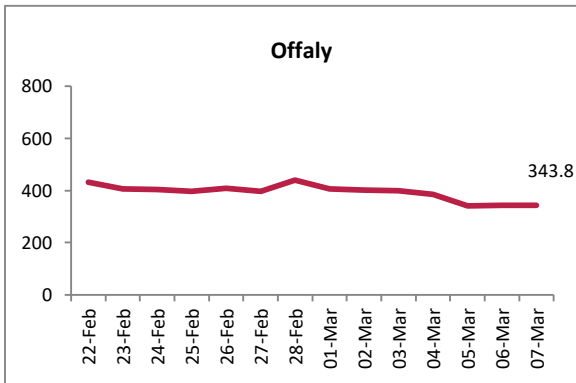
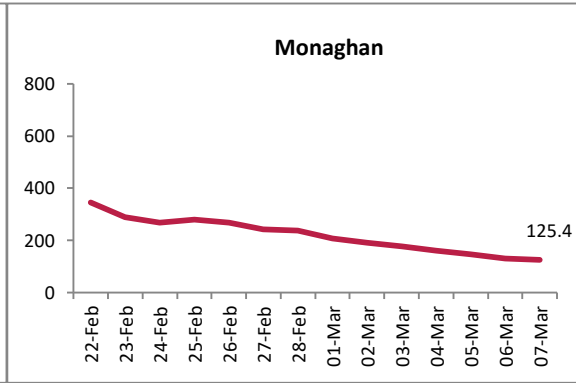
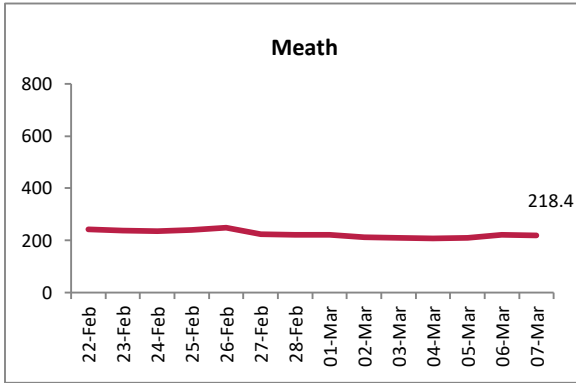
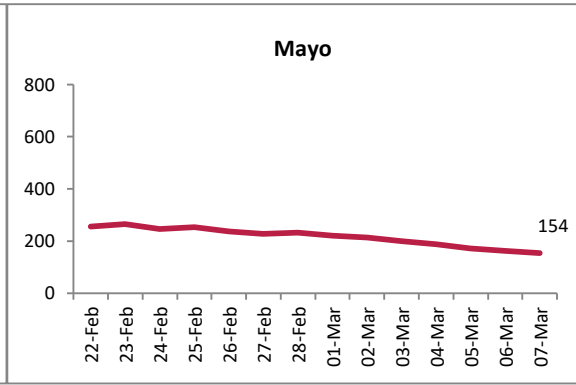
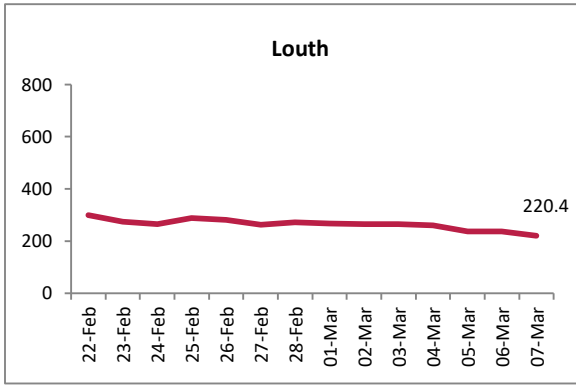
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (22/02/2021 to 07/03/2021)







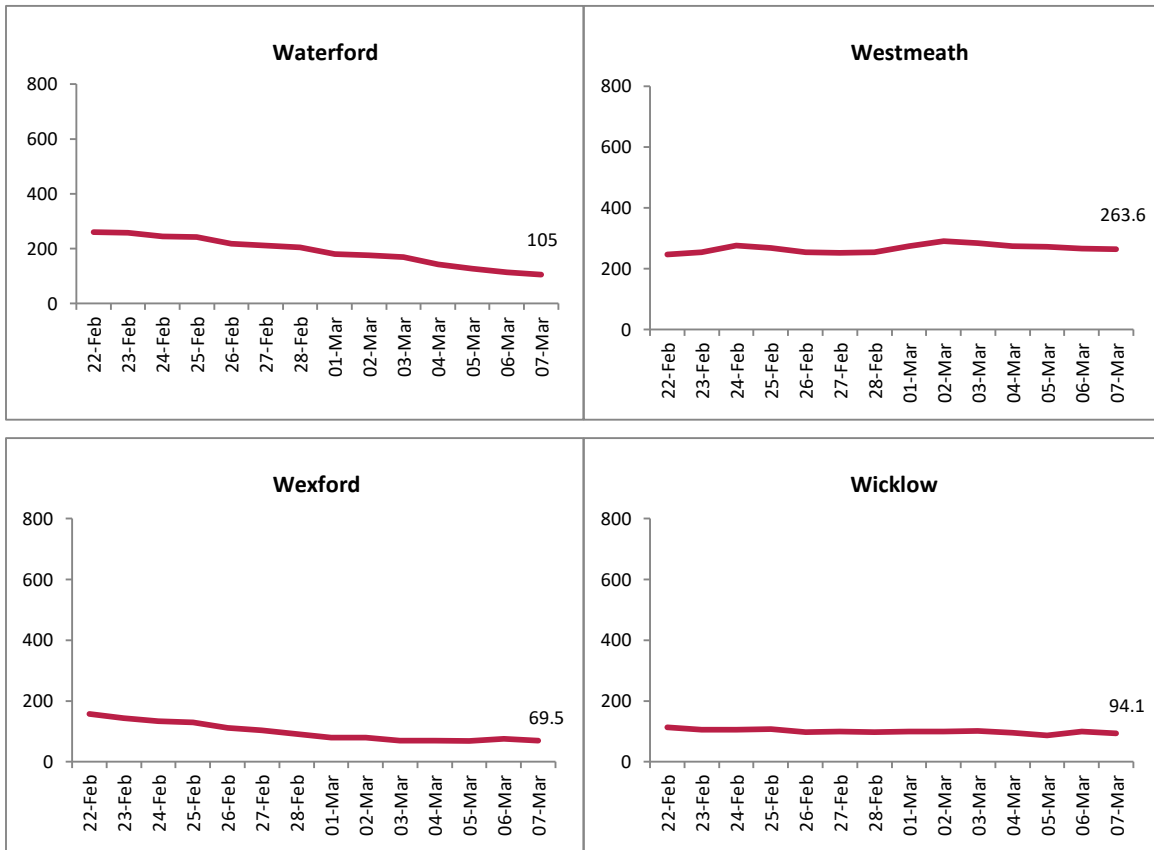


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (22/02/2021 to 07/03/2021)

