



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 02/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/02/2021 up to midnight 01/03/2021

	Number	Percent
Total number of confirmed cases	9,580	
National incidence of confirmed cases per 100,000 population	201.18	
Number of cases hospitalised*	634	6.62
Number of cases admitted to ICU*	27	0.28
Number of deaths among confirmed cases	31	0.32
Case fatality ratio (CFR, %)	0.32	
National incidence of confirmed deaths per 100,000 population	0.65	
Number of cases** associated with clusters	1,587	16.57
Number of imported cases	29	0.3
Number of cases in healthcare workers	484	5.05
Males	4,748	49.56
Females	4,810	50.21
M:F ratio	0.99	
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
16/02/2021 - 01/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:44 on 02/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

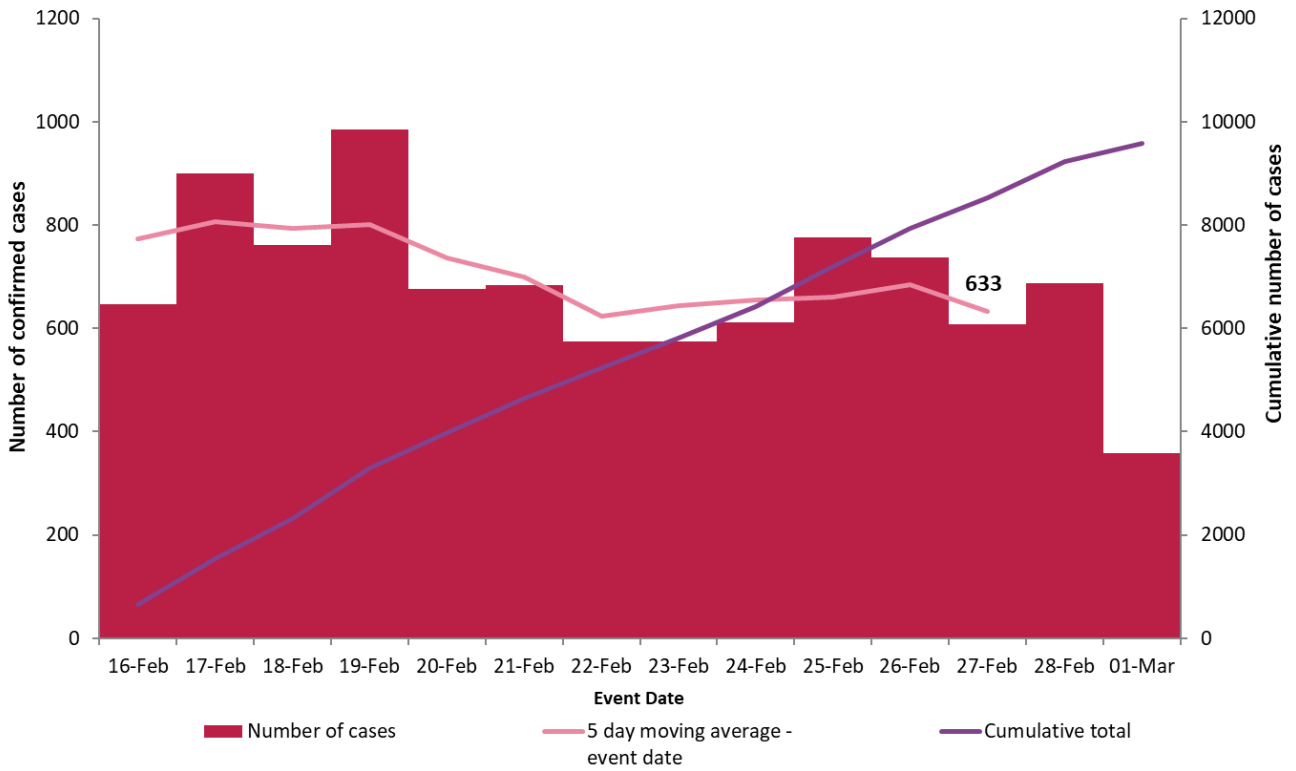


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=9,580)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 16/02/2021 up to midnight on 01/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,580	100
Sex	Male:Female ratio	0.99	
	Male	4,748	49.56
	Female	4,810	50.21
	Unknown	22	0.23
Age	Median age (years)	33	
	Mean age (years)	35	
	Age range (years)	0 - 100	
	0-4 yrs	577	6.02
	5-12 yrs	778	8.12
	13-18 yrs	682	7.12
	19-24 yrs	1,464	15.28
	25-34 yrs	1,537	16.04
	35-44 yrs	1,508	15.74
	45-54 yrs	1,228	12.82
	55-64 yrs	839	8.76
	65-74 yrs	417	4.35
	75-84 yrs	319	3.33
	85+ yrs	230	2.4
	Unknown	1	0.01
Symptom status at time of test*	Yes	5,748	60
	No	1,911	19.95
	Unknown	1,921	20.05

*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 16/02/2021 to midnight 01/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	642	164.1
CHO2	973	214.7
CHO3	826	214.5
CHO4	440	63.7
CHO5	687	134.6
CHO6	735	191.8
CHO7	1,393	196.8
CHO8	1,709	276.0
CHO9	2,175	350.0
Total	9,580	201.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/02/2021 to midnight 01/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (25/02/2021-01/03/2021)
Offaly	313	401.5	22
Longford	162	396.3	14
Westmeath	244	274.9	17
Limerick	533	273.5	34
Dublin	3,653	271.1	255
Louth	342	265.4	26
Laois	210	247.9	12
Galway	611	236.8	39
Kildare	510	229.2	26
Meath	437	224.1	30
Mayo	288	220.7	17
Monaghan	127	206.9	6
Tipperary	306	191.8	18
Donegal	304	191.0	24
Carlow	103	180.9	8
Waterford	209	179.9	7
Cavan	120	157.5	6
Clare	167	140.6	10
Leitrim	40	124.8	1
Roscommon	74	114.7	7
Wicklow	140	98.3	9
Wexford	119	79.5	8
Sligo	51	77.8	3
Kilkenny	77	77.6	3
Cork	360	66.3	24
Kerry	80	54.2	8
Total	9,580	201.2	633

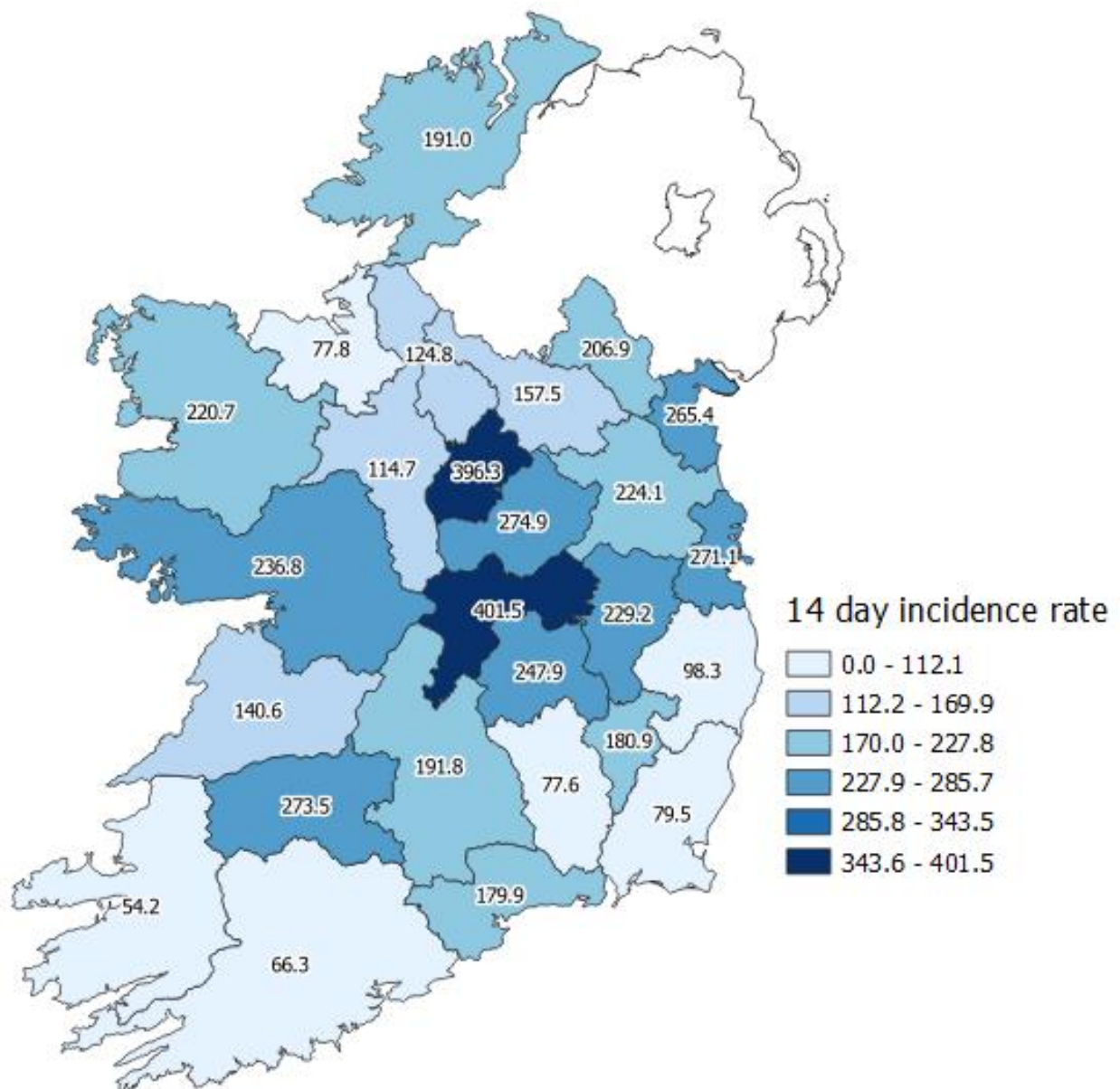


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 16/02/2021 and 01/03/2021

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 16/02/2021 and 01/03/2021

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	167	122.7
CCA2	Dublin South East	435	351.6
CCA3	Dublin South City	171	114.0
CCA4	Dublin South West	293	182.1
CCA5	Dublin West	412	265.2
CCA6	Dublin North West	672	323.6
CCA7	Dublin North Central	981	634.6
CCA8	Dublin North	522	201.4
	Dublin	3,653	271.1

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.

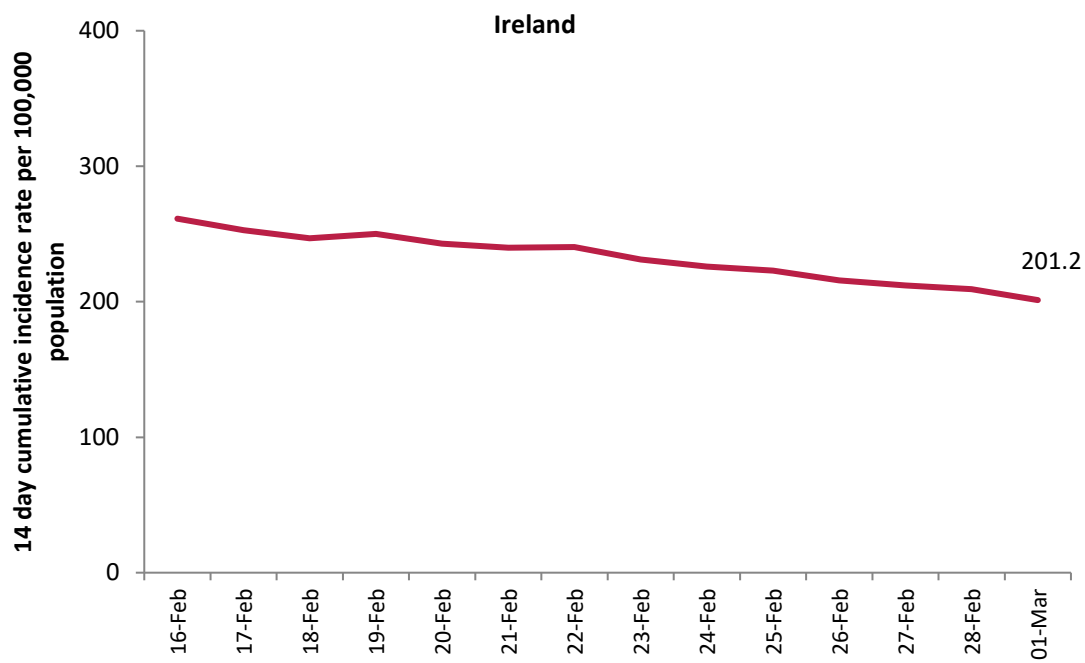


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (16/02/2021 to 01/03/2021)

*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 16/02/2021 to midnight 01/03/2021

Most likely transmission source	Number of cases	Percent
Travel related*	81	0.85%
Close contact with a known confirmed case	4,922	51.38%
Healthcare setting acquired: patient	336	3.51%
Healthcare setting acquired: staff	191	1.99%
Community transmission	1,883	19.66%
Under investigation	2,167	22.62%
Total	9,580	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 16/02/2021 to midnight 01/03/2021 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	577	17	2.68	0	0
5-12 yrs	778	19	3.00	0	0
13-18 yrs	682	20	3.15	0	0
19-24 yrs	1464	58	9.15	0	0
25-34 yrs	1537	58	9.15	<5	
35-44 yrs	1508	65	10.25	5	18.52
45-54 yrs	1228	81	12.78	8	29.63
55-64 yrs	839	66	10.41	6	22.22
65-74 yrs	417	91	14.35	6	22.22
75-84 yrs	319	91	14.35	<5	
85+ yrs	230	67	10.57	0	0
Unknown	1	1	0.16	0	0
Total	9,580	634	100	27	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 16/02/2021 up to midnight 01/03/2021

	Number	Percent
Total number of deaths	33	
	Confirmed	31
	Probable	1
	Possible	1
Total number of cases hospitalised	21	63.64
Total number of male cases	20	60.61
M:F ratio	1.54	
Median age (years)	82	
Mean age (years)	79	
Age range (years)	52 - 92	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 16/02/2021 up to midnight 01/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	4	12.12
65-74 yrs	*	*	6	18.18
75-84 yrs	*	*	9	27.27
85+ yrs	7	7	14	42.42
Total	13	20	33	100
Percent	39.39	60.61		

*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.

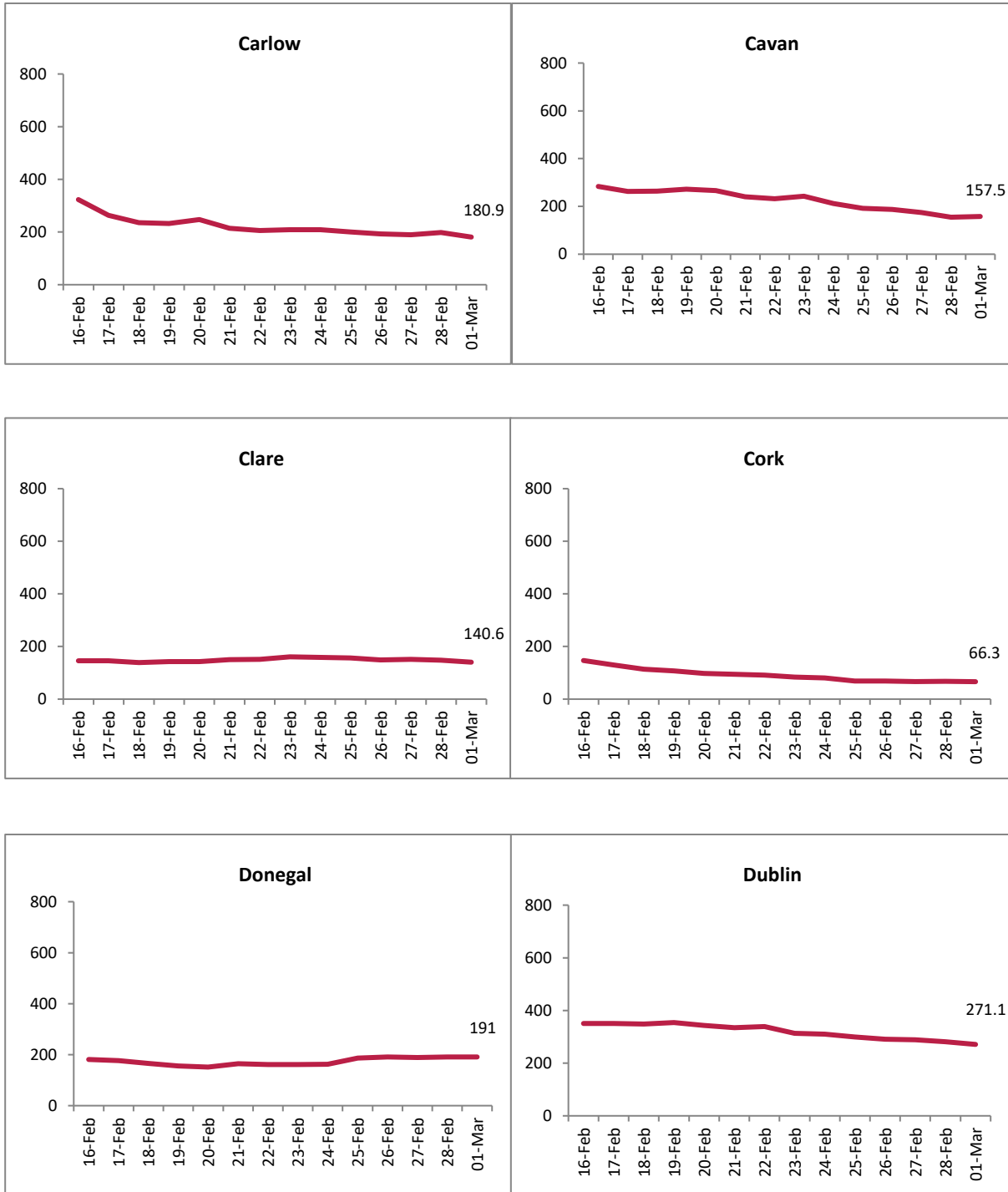
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

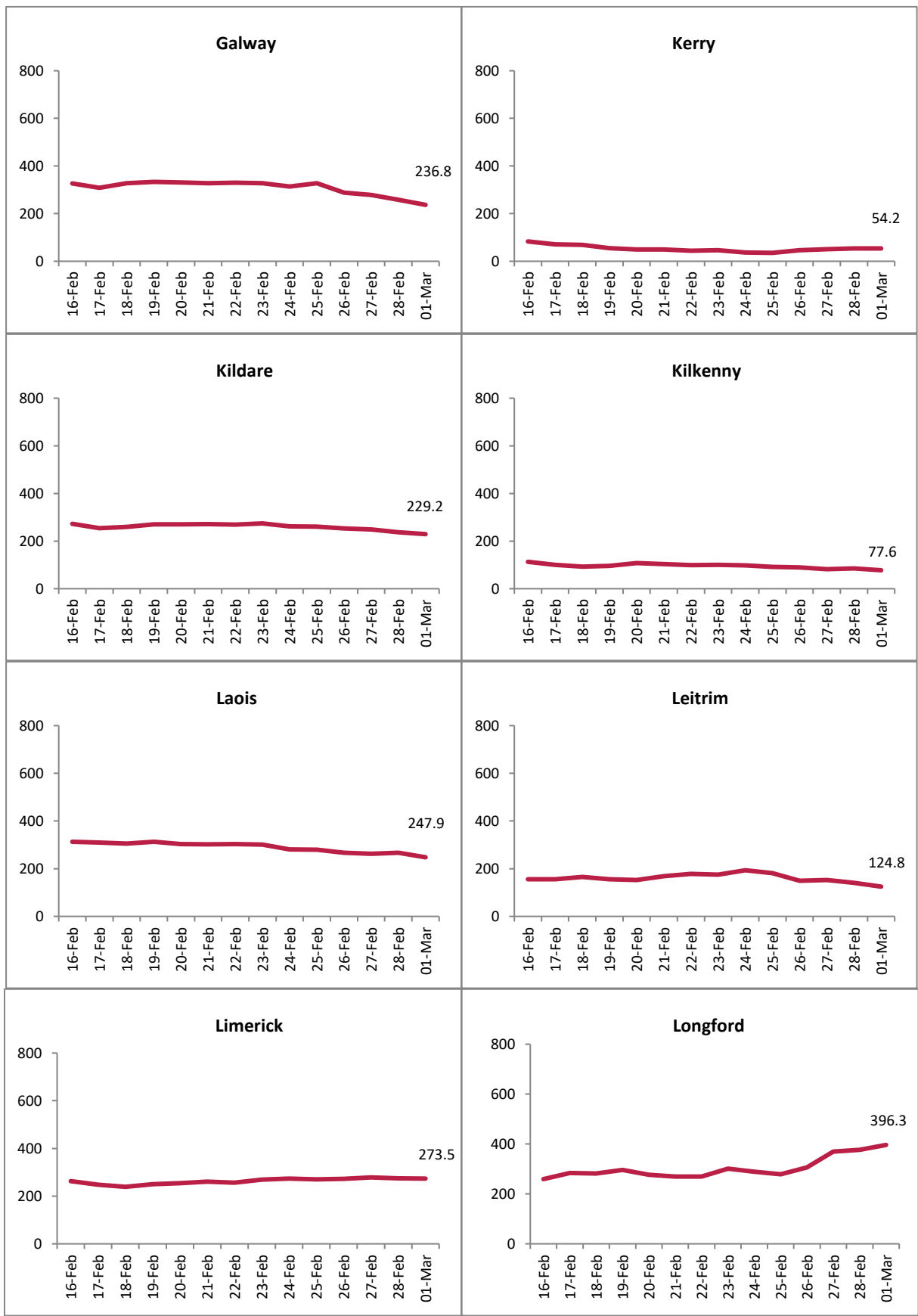
WHO definition of transmission classification is specified below:

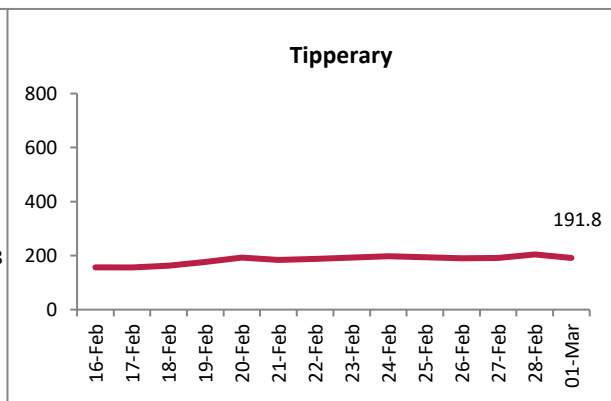
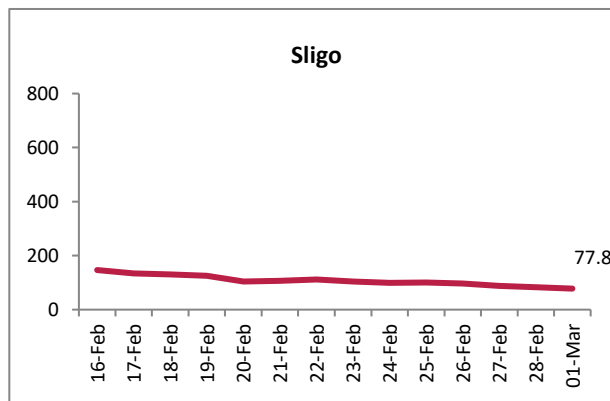
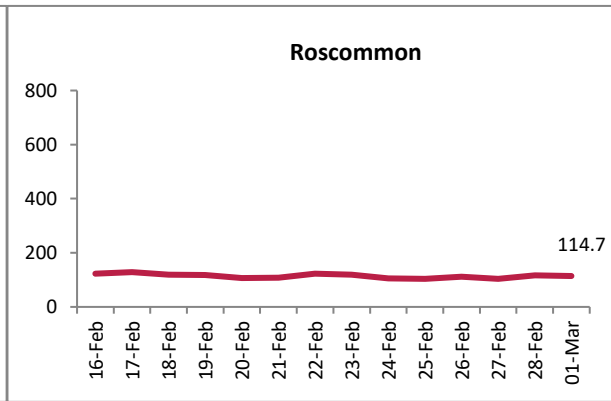
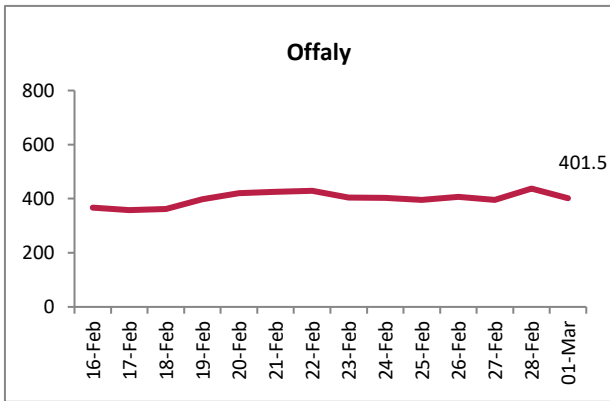
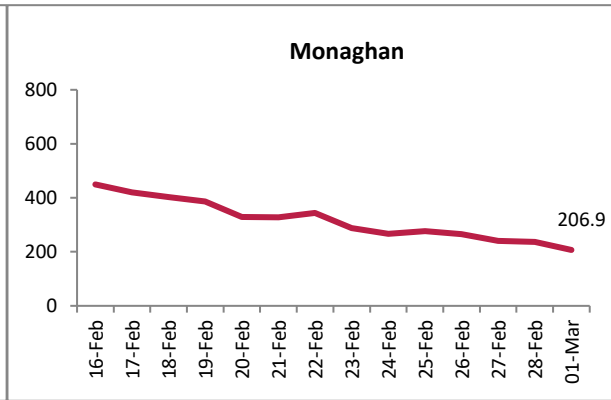
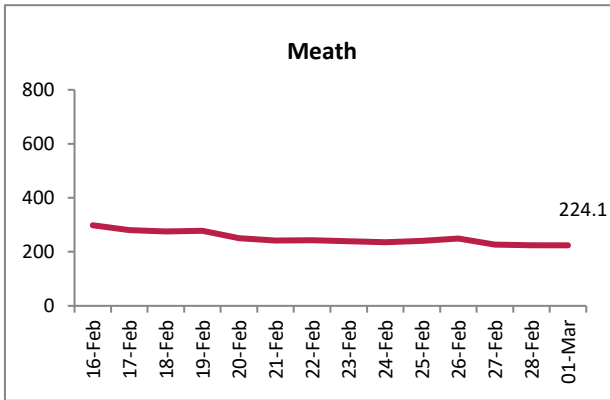
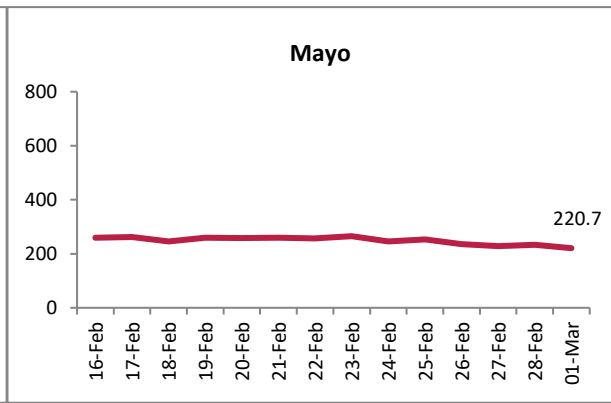
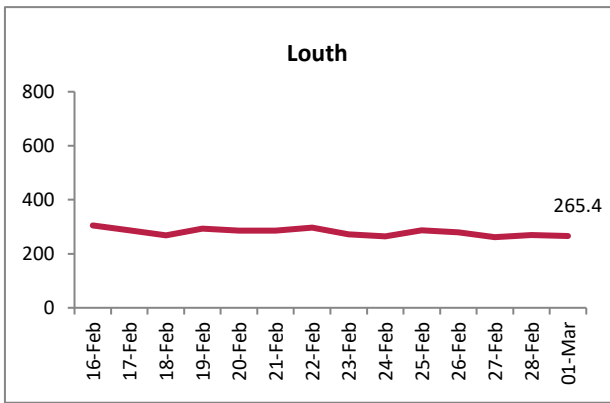
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (16/02/2021 to 01/03/2021)







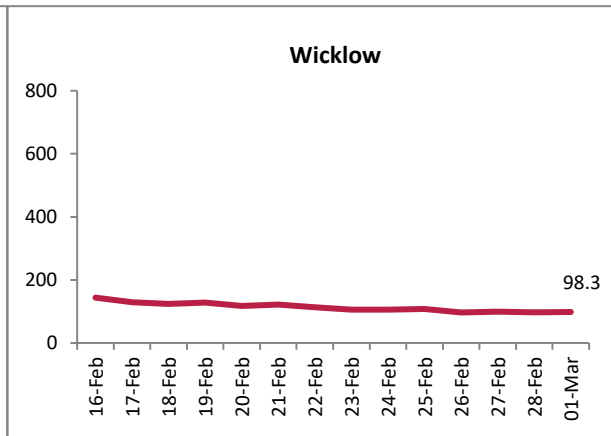
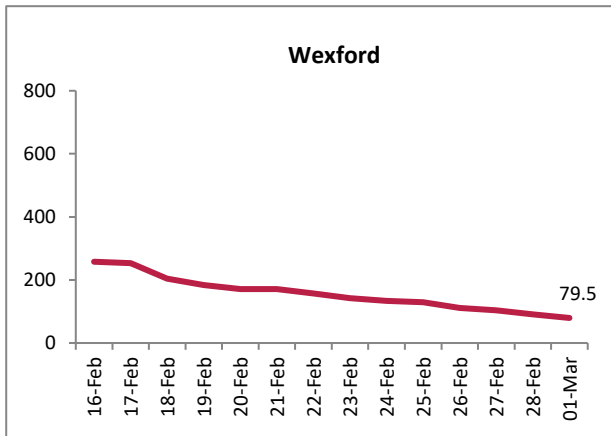
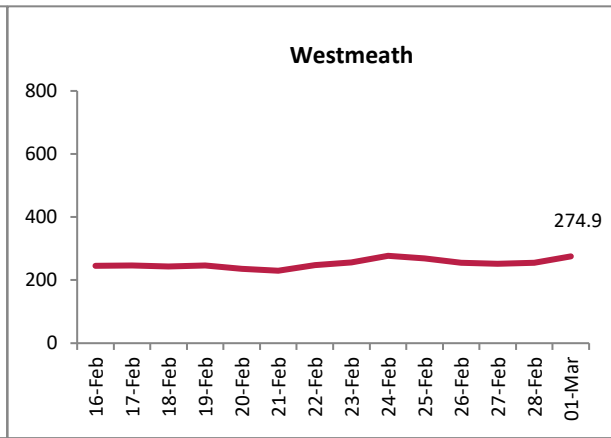
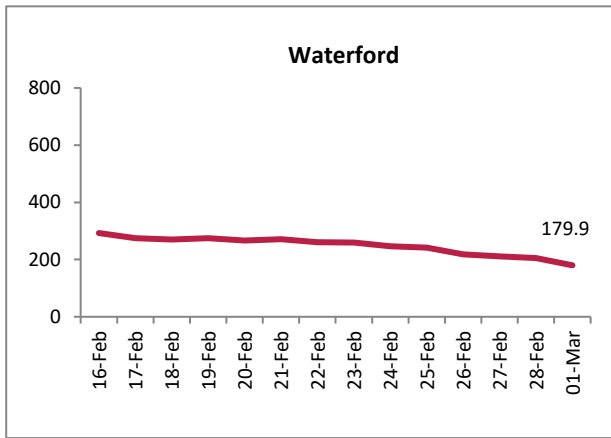


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (16/02/2021 to 01/03/2021)



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