



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 25/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 11/02/2021 up to midnight 24/02/2021

	Number	Percent
Total number of confirmed cases	10,767	
National incidence of confirmed cases per 100,000 population	226.11	
Number of cases hospitalised*	723	6.71
Number of cases admitted to ICU*	27	0.25
Number of deaths among confirmed cases	48	0.45
Case fatality ratio (CFR, %)	0.45	
National incidence of confirmed deaths per 100,000 population	1.01	
Number of cases** associated with clusters	1,575	14.63
Number of imported cases	13	0.12
Number of cases in healthcare workers	561	5.21
Males	5,391	50.07
Females	5,358	49.76
M:F ratio	1.01	
Median age (years)	33	
Mean age (years)	36	
Age range (years)	0 - 102	

* 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
11/02/2021 - 24/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:58 on 25/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

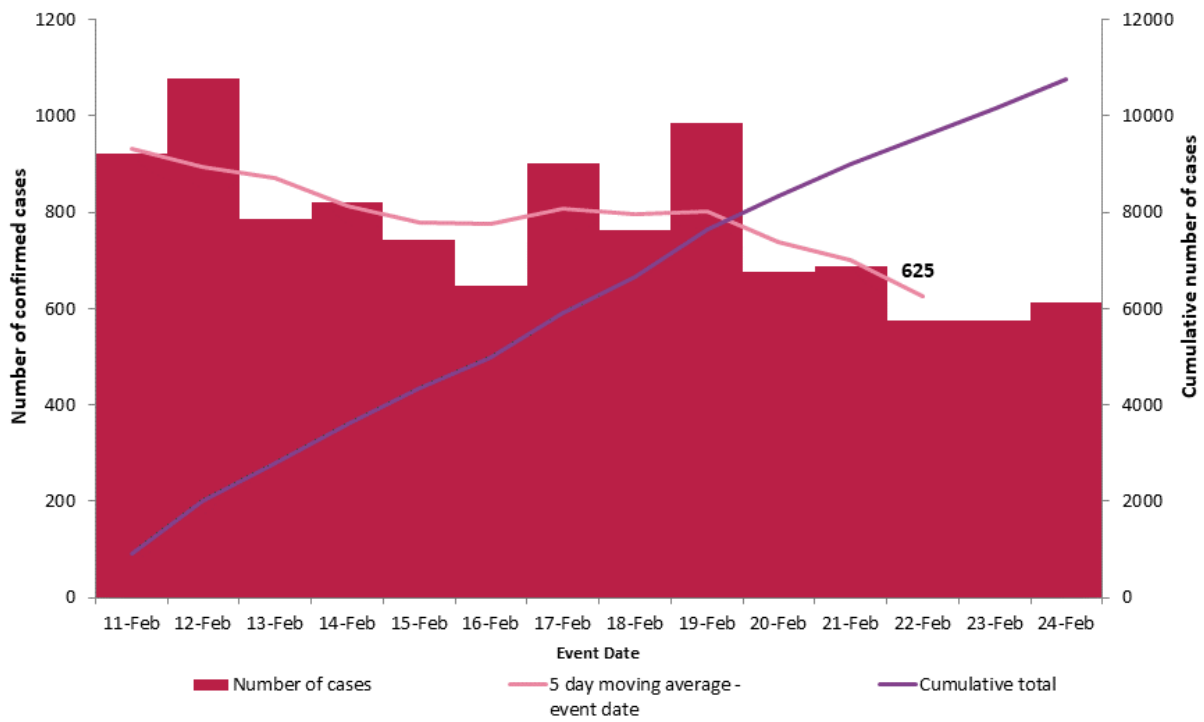


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=10,767)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 11/02/2021 up to midnight on 24/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		10,767	100
Sex	Male:Female ratio	1.01	
	Male	5,391	50.07
	Female	5,358	49.76
	Unknown	18	0.17
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 102	
	0-4 yrs	590	5.48
	5-12 yrs	864	8.02
	13-18 yrs	770	7.15
	19-24 yrs	1,730	16.07
	25-34 yrs	1,725	16.02
	35-44 yrs	1,662	15.44
	45-54 yrs	1,325	12.31
	55-64 yrs	963	8.94
	65-74 yrs	497	4.62
	75-84 yrs	381	3.54
	85+ yrs	259	2.41
	Unknown	1	0.01
Symptom status at time of test*	Yes	6,477	60.16
	No	2,189	20.33
	Unknown	2,101	19.51

*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 11/02/2021 to midnight 24/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	710	181.5
CHO2	1,202	265.3
CHO3	847	220.0
CHO4	493	71.4
CHO5	895	175.4
CHO6	836	218.2
CHO7	1,648	232.9
CHO8	1,713	276.6
CHO9	2,422	389.8
Unknown	1	
Total	10,767	226.1

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 11/02/2021 to midnight 24/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (20/02/2021-24/02/2021)
Offaly	314	402.8	21
Galway	814	315.4	34
Dublin	4,173	309.7	225
Longford	118	288.7	6
Laois	236	278.6	13
Limerick	536	275.0	41
Westmeath	244	274.9	19
Monaghan	163	265.5	9
Louth	341	264.6	23
Kildare	582	261.6	36
Waterford	288	247.9	17
Mayo	320	245.2	19
Meath	459	235.3	27
Carlow	120	210.8	7
Cavan	160	210.0	9
Tipperary	311	194.9	21
Leitrim	62	193.5	3
Donegal	262	164.6	23
Clare	191	160.8	14
Wexford	200	133.6	6
Wicklow	151	106.0	10
Roscommon	68	105.4	5
Kilkenny	97	97.8	7
Sligo	64	97.7	4
Cork	439	80.9	20
Kerry	54	36.6	6
Total	10,767	226.1	625

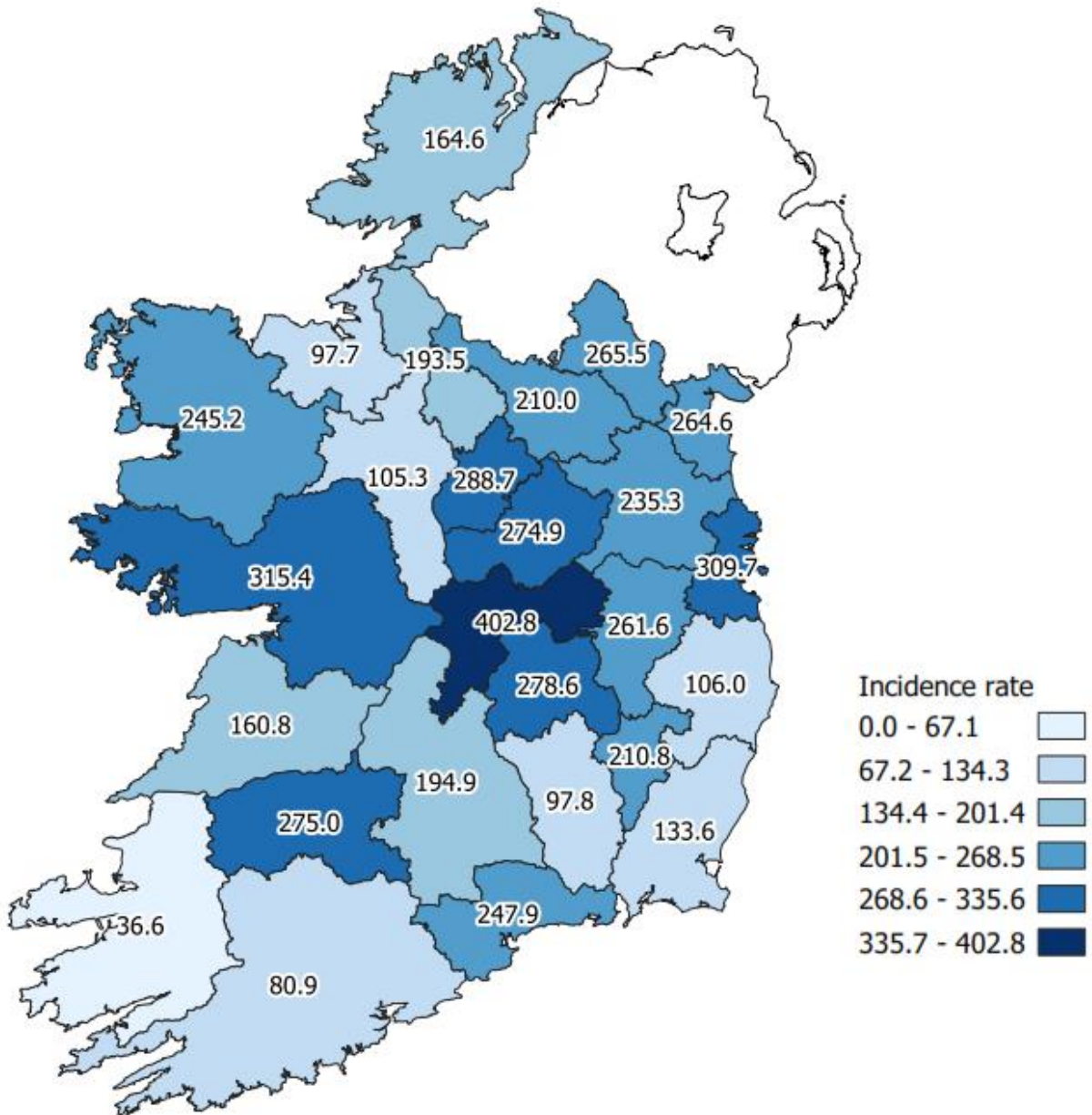


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 11/02/2021 and 24/02/2021

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 11/02/2021 and 24/02/2021

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	526	425.2
CCA3	Dublin South City	206	137.4
CCA4	Dublin South West	355	220.6
CCA5	Dublin West	500	321.9
CCA6	Dublin North West	811	390.5
CCA7	Dublin North Central	1,021	660.5
CCA8	Dublin North	590	227.7
	Dublin	4,173	309.7

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.

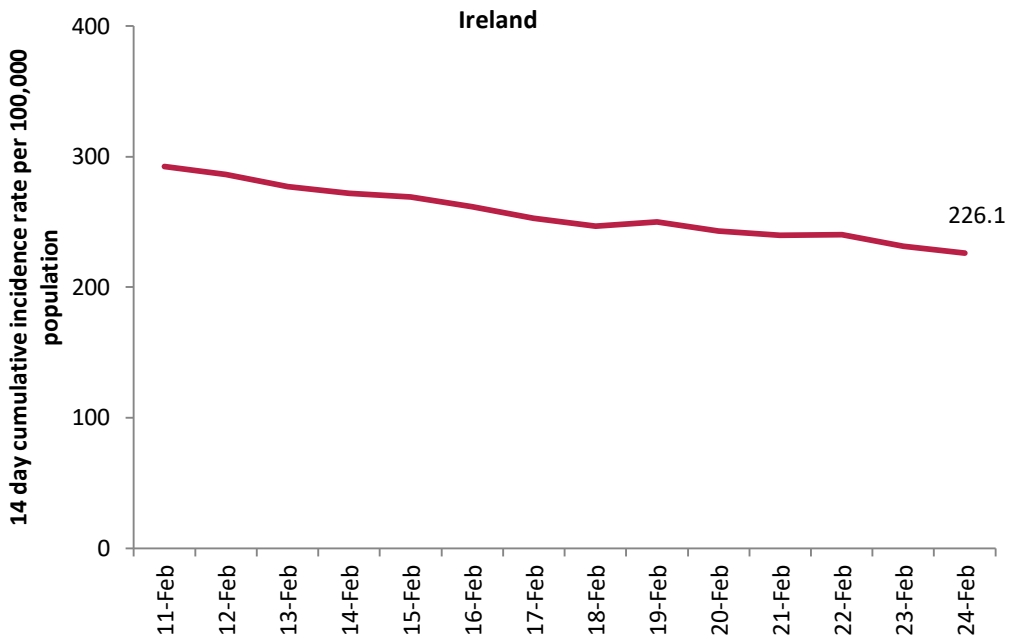


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (11/02/2021 to 24/02/2021)

*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 11/02/2021 to midnight 24/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	71	0.66%
Close contact with a known confirmed case	5,701	52.95%
Healthcare setting acquired: patient	381	3.54%
Healthcare setting acquired: staff	219	2.03%
Community transmission	1,942	18.04%
Under investigation	2,453	22.78%
Total	10,767	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 11/02/2021 to midnight 24/02/2021 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	590	16	2.21	0	0
5-12 yrs	864	13	1.80	0	0
13-18 yrs	770	19	2.63	0	0
19-24 yrs	1,730	45	6.22	0	0
25-34 yrs	1,725	67	9.27	<5	
35-44 yrs	1,662	69	9.54	<5	
45-54 yrs	1,325	87	12.03	8	29.63
55-64 yrs	963	86	11.89	<5	
65-74 yrs	497	107	14.80	6	22.22
75-84 yrs	381	133	18.40	<5	
85+ yrs	259	80	11.07	0	0
Unknown	1	1	0.14	0	0
Total	10,767	723	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 11/02/2021 up to midnight 24/02/2021

	Number	Percent
Total number of deaths	50	
Confirmed	48	96
Probable	1	2
Possible	1	2
Total number of cases hospitalised	32	64
Total number of male cases	32	64
M:F ratio	1.78	
Median age (years)	82	
Mean age (years)	79	
Age range (years)	42 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 11/02/2021 up to midnight 24/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	6	12
65-74 yrs	*	*	7	14
75-84 yrs	6	12	18	36
85+ yrs	8	11	19	38
Total	18	32	50	100
Percent	36	64		

* 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.

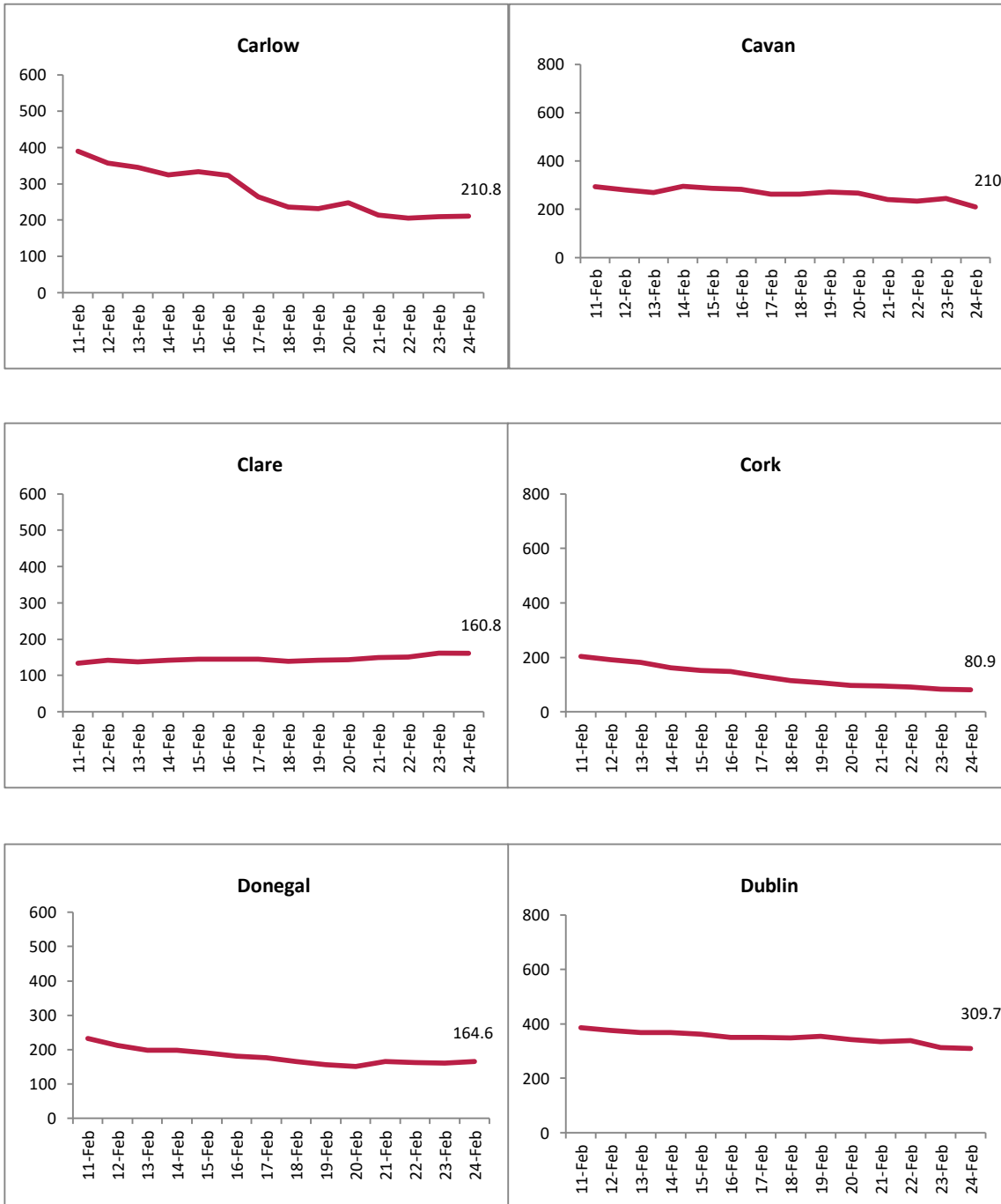
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

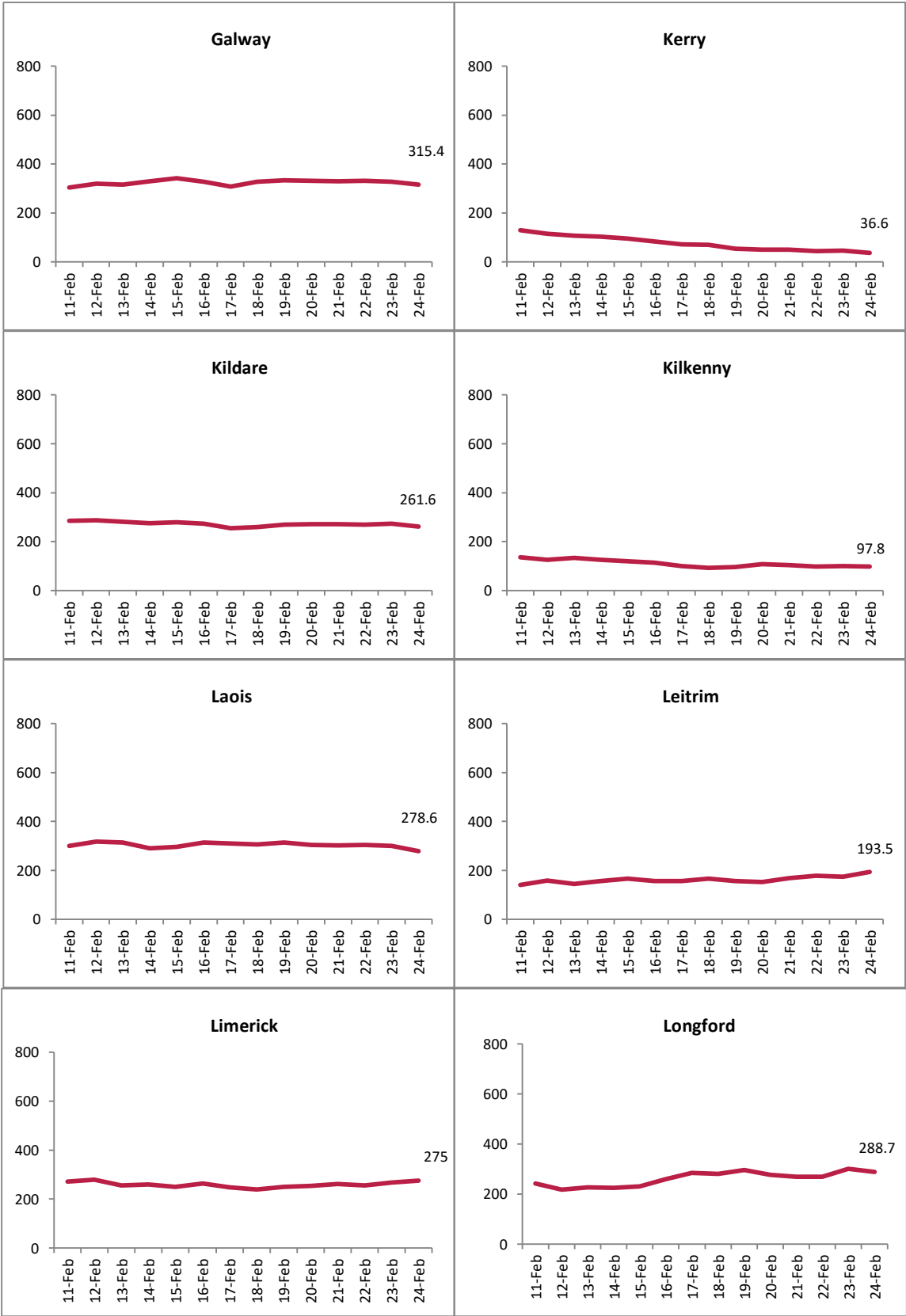
WHO definition of transmission classification is specified below:

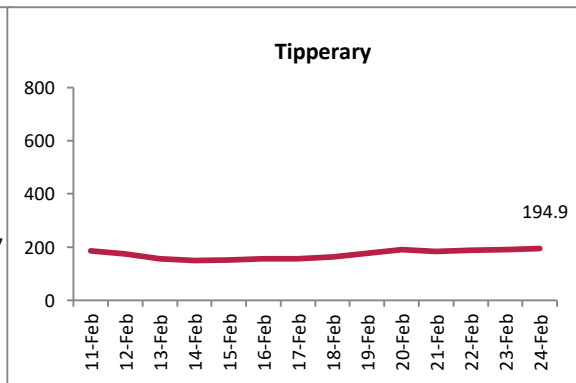
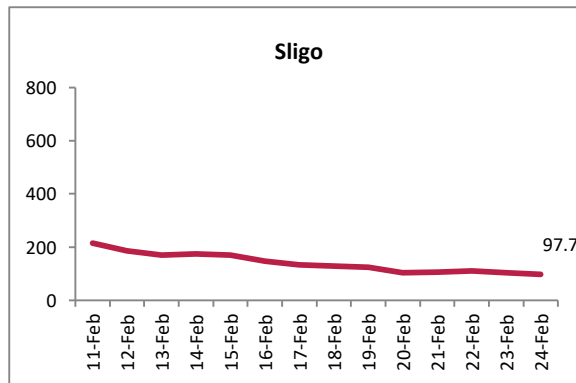
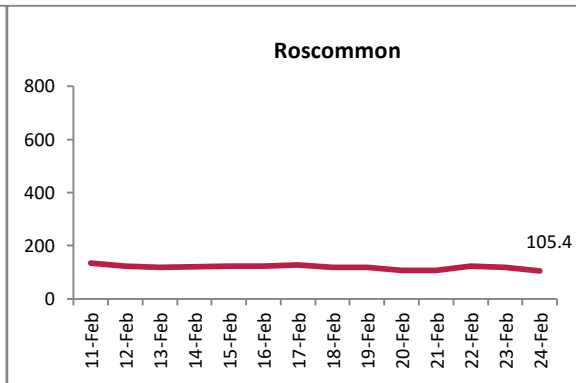
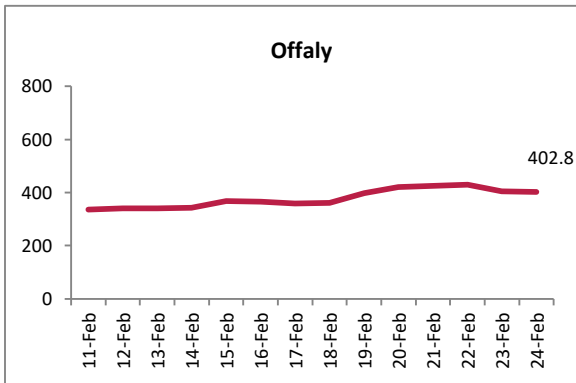
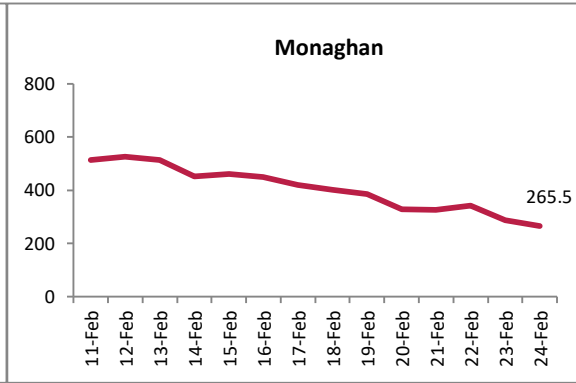
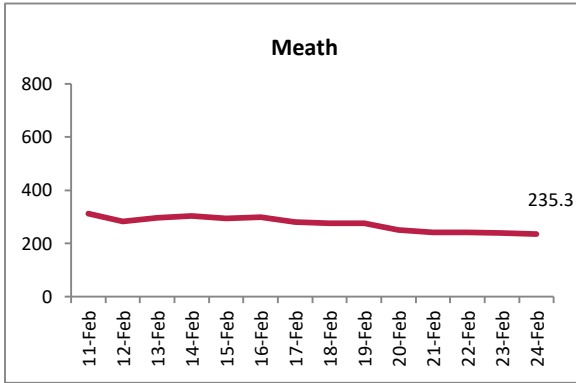
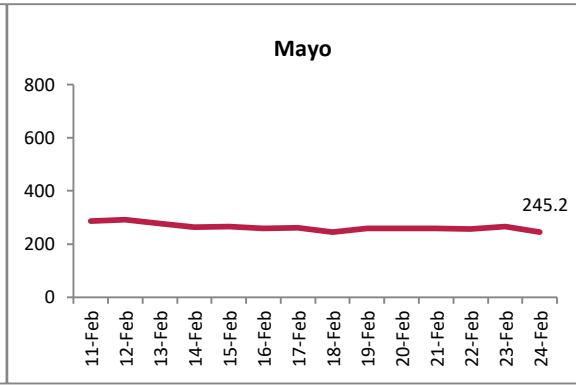
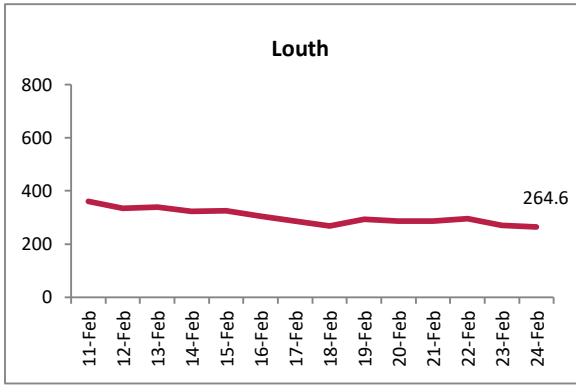
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (11/02/2021 to 24/02/2021)







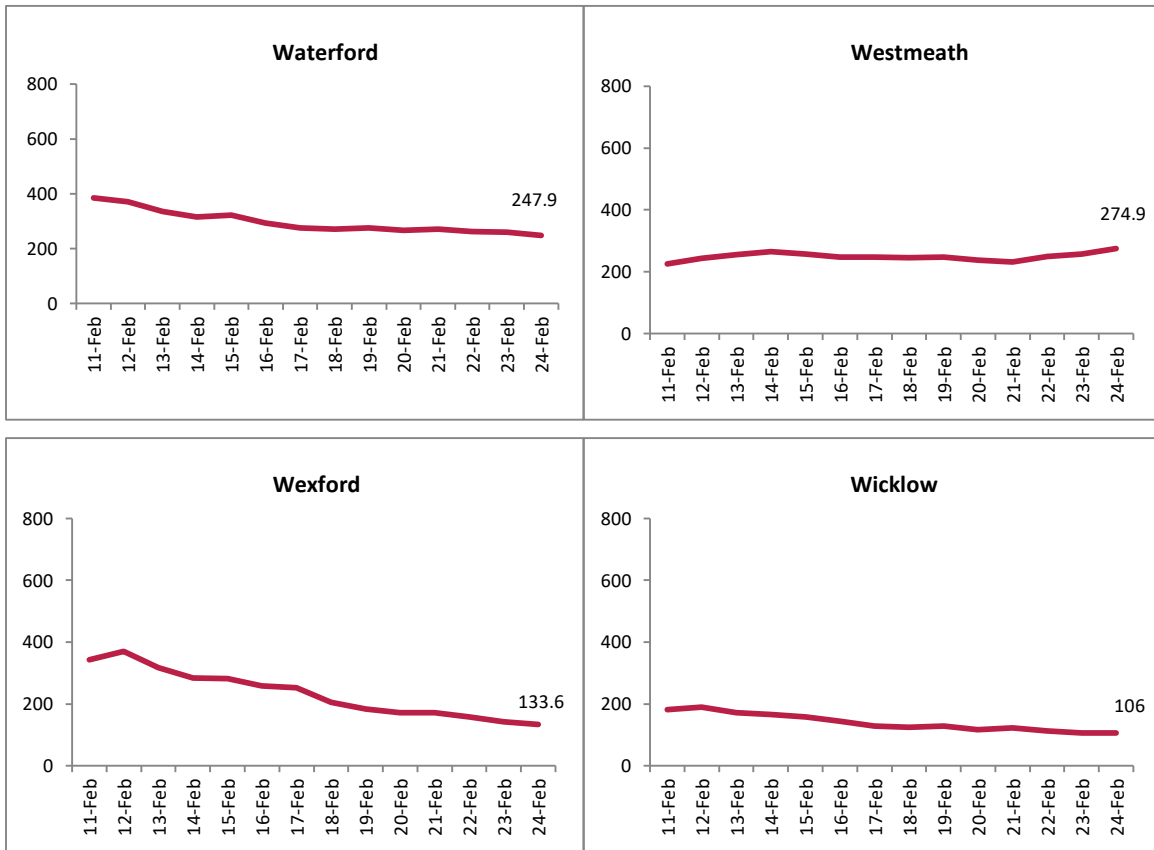


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (11/02/2021 to 24/02/2021)



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