



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 26/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 12/02/2021 up to midnight 25/02/2021

	Number	Percent
Total number of confirmed cases	10,619	
National incidence of confirmed cases per 100,000 population	223	
Number of cases hospitalised*	717	6.75
Number of cases admitted to ICU*	32	0.3
Number of deaths among confirmed cases	40	0.38
Case fatality ratio (CFR, %)	0.38	
National incidence of confirmed deaths per 100,000 population	0.84	
Number of cases** associated with clusters	1,707	16.07
Number of imported cases	14	0.13
Number of cases in healthcare workers	563	5.3
Males	5,329	50.18
Females	5,271	49.64
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
12/02/2021 - 25/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:42 on 26/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

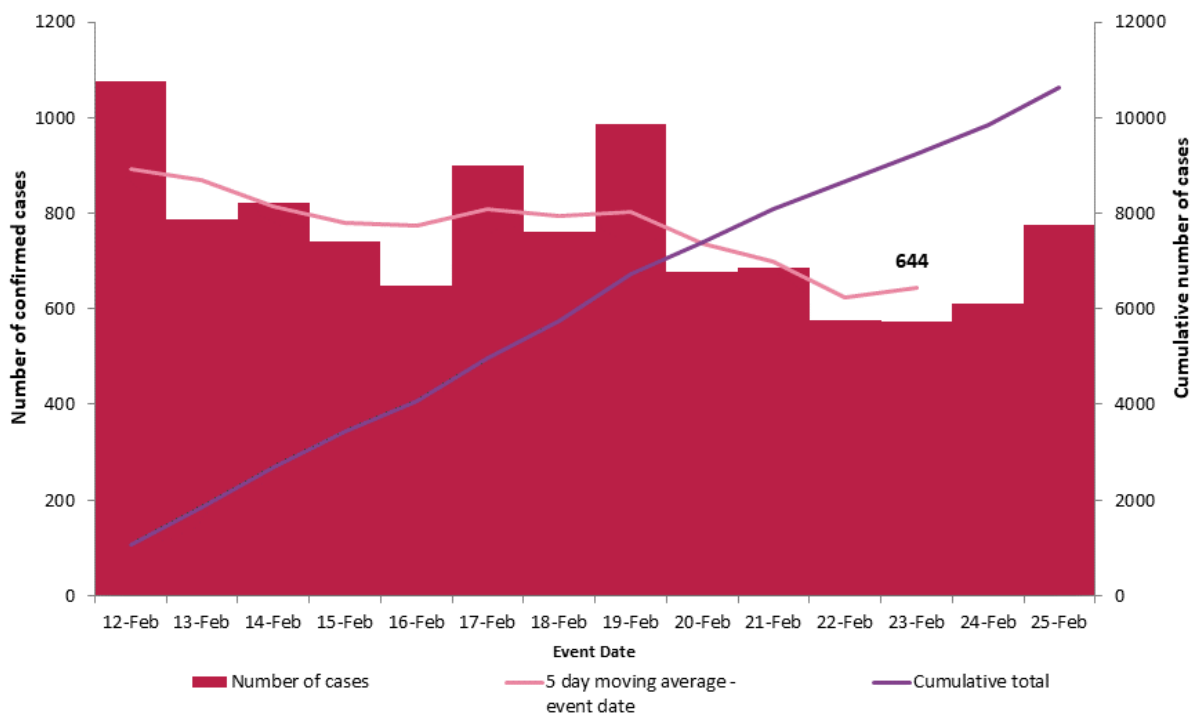


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=10,619)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 12/02/2021 up to midnight on 25/02/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		10,619	100
Sex	Male:Female ratio	1.01	
	Male	5,329	50.18
	Female	5,271	49.64
	Unknown	19	0.18
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 102	
	0-4 yrs	589	5.55
	5-12 yrs	854	8.04
	13-18 yrs	758	7.14
	19-24 yrs	1,731	16.3
	25-34 yrs	1,677	15.79
	35-44 yrs	1,641	15.45
	45-54 yrs	1,346	12.68
	55-64 yrs	911	8.58
	65-74 yrs	482	4.54
	75-84 yrs	375	3.53
	85+ yrs	254	2.39
	Unknown	1	0.01
Symptom status at time of test*	Yes	6,398	60.25
	No	2,126	20.02
	Unknown	2,095	19.73

*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 12/02/2021 to midnight 25/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	737	188.4
CHO2	1,244	274.5
CHO3	840	218.2
CHO4	424	61.4
CHO5	865	169.5
CHO6	818	213.5
CHO7	1,598	225.8
CHO8	1,735	280.2
CHO9	2,358	379.5
Total	10,619	223.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 12/02/2021 to midnight 25/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (21/02/2021-25/02/2021)
Offaly	308	395.1	19
Galway	847	328.2	38
Dublin	4,038	299.7	235
Louth	369	286.3	29
Longford	114	278.9	6
Laois	235	277.5	13
Monaghan	169	275.3	8
Limerick	528	270.9	38
Westmeath	239	269.2	20
Kildare	582	261.6	37
Mayo	330	252.9	17
Waterford	283	243.6	15
Meath	469	240.5	35
Carlow	115	202.0	8
Tipperary	308	193.0	19
Cavan	147	193.0	8
Donegal	298	187.2	27
Leitrim	58	181.0	3
Clare	186	156.5	12
Wexford	194	129.6	6
Wicklow	154	108.1	10
Roscommon	67	103.8	5
Sligo	66	100.7	5
Kilkenny	91	91.7	5
Cork	372	68.5	21
Kerry	52	35.2	5
Total	10,619	223.0	644

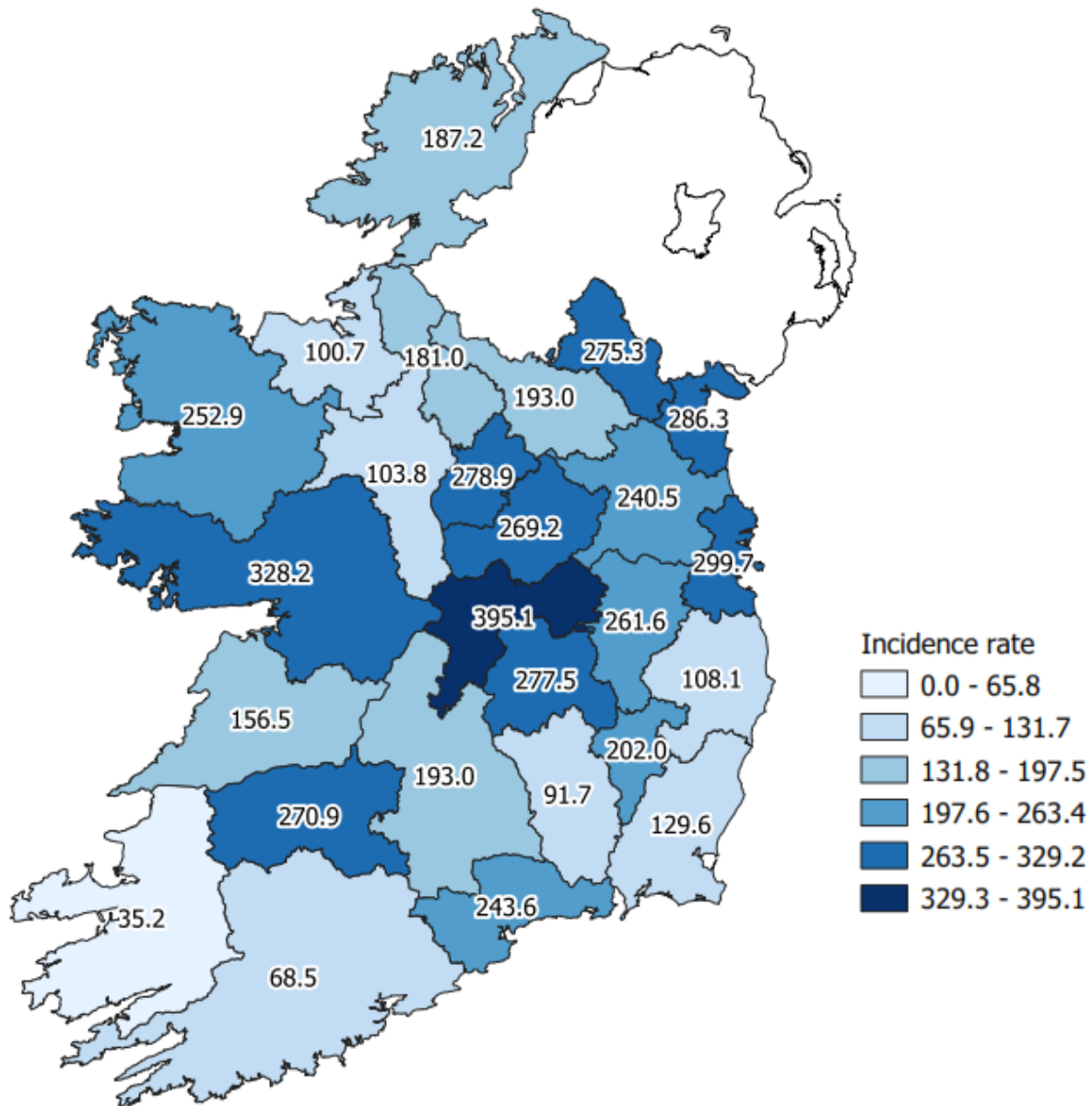


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 12/02/2021 and 25/02/2021

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 12/02/2021 and 25/02/2021

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	168	123.5
CCA2	Dublin South East	504	407.4
CCA3	Dublin South City	202	134.7
CCA4	Dublin South West	333	207.0
CCA5	Dublin West	473	304.5
CCA6	Dublin North West	777	374.2
CCA7	Dublin North Central	1,019	659.2
CCA8	Dublin North	562	216.9
	Dublin	4,038	299.7

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.

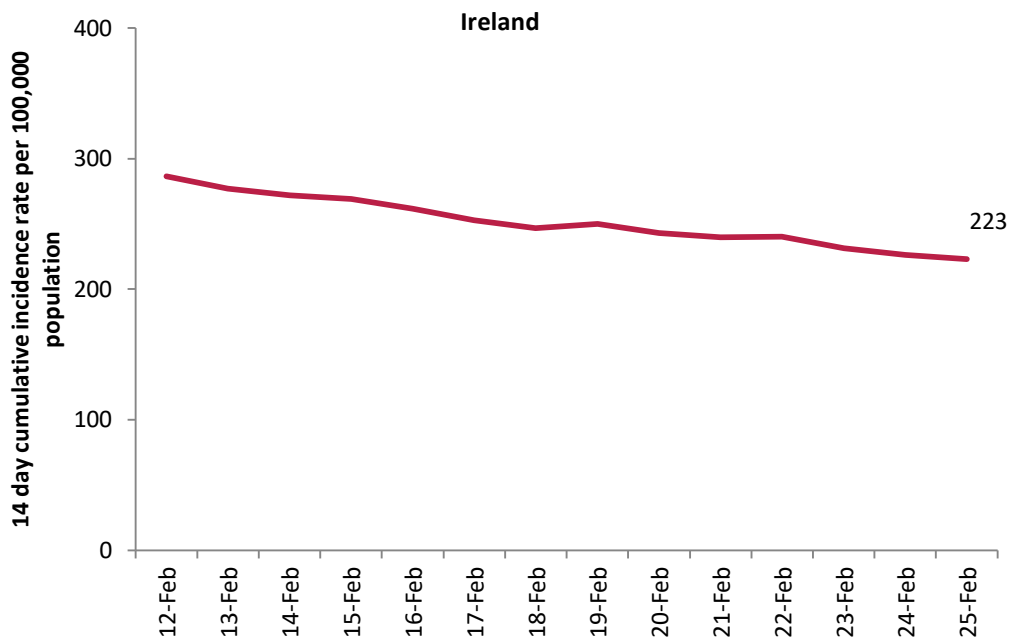


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (12/02/2021 to 25/02/2021)

*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 12/02/2021 to midnight 25/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	79	0.74%
Close contact with a known confirmed case	5,608	52.81%
Healthcare setting acquired: patient	358	3.37%
Healthcare setting acquired: staff	227	2.14%
Community transmission	1,957	18.43%
Under investigation	2,390	22.51%
Total	10,619	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 12/02/2021 to midnight 25/02/2021 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	589	16	2.23	0	0
5-12 yrs	854	13	1.81	0	0
13-18 yrs	758	15	2.09	0	0
19-24 yrs	1,731	55	7.67	0	0
25-34 yrs	1,677	65	9.07	<5	
35-44 yrs	1,641	63	8.79	<5	
45-54 yrs	1,346	92	12.83	10	31.25
55-64 yrs	911	79	11.02	7	21.88
65-74 yrs	482	112	15.62	11	34.38
75-84 yrs	375	131	18.27	<5	
85+ yrs	254	75	10.46	0	0
Unknown	1	1	0.14	0	0
Total	10,619	717	100	32	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 12/02/2021 up to midnight 25/02/2021

	Number	Percent
Total number of deaths	42	
Confirmed	40	95.24
Probable	1	2.38
Possible	1	2.38
Total number of cases hospitalised	26	61.9
Total number of male cases	27	64.29
M:F ratio	1.8	
Median age (years)	83	
Mean age (years)	81	
Age range (years)	52 - 94	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 12/02/2021 up to midnight 25/02/2021

Age group (years)	Female	Male	Total	Percent
< 65 yrs	*	*	3	7.14
65-74 yrs	*	*	6	14.29
75-84 yrs	5	10	15	35.71
85+ yrs	8	10	18	42.86
Total	15	27	42	100
Percent	35.71	64.29		

*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.

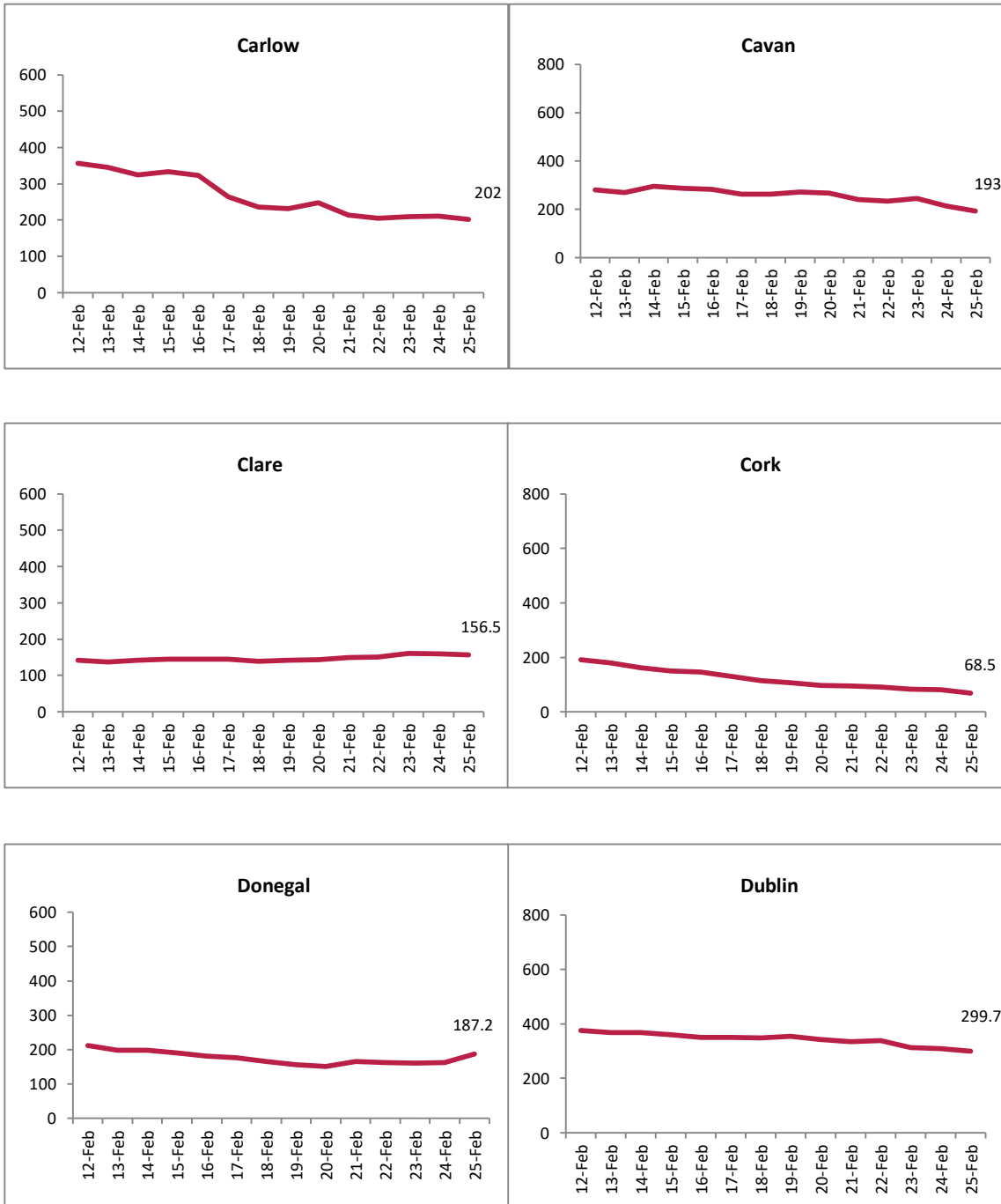
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

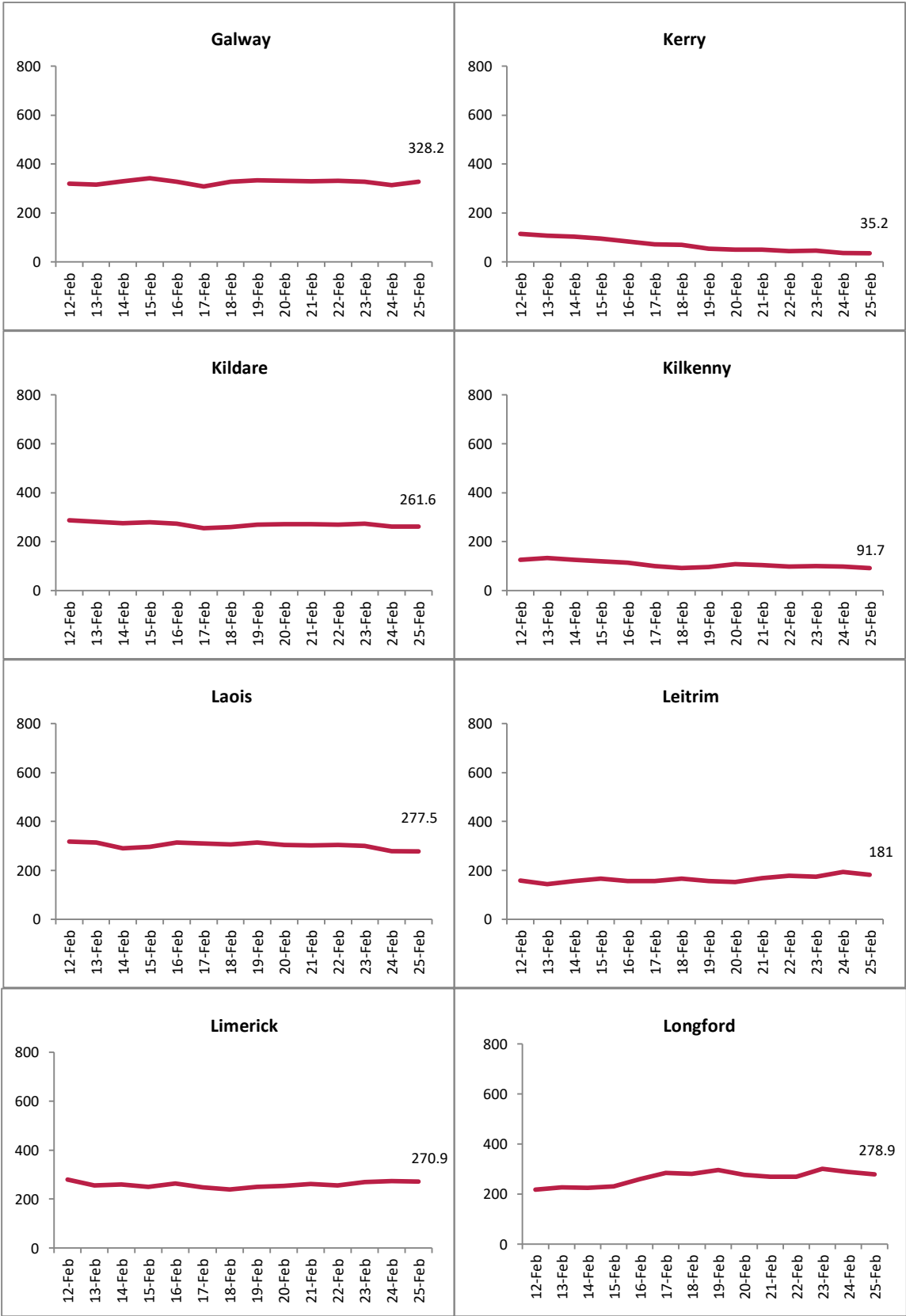
WHO definition of transmission classification is specified below:

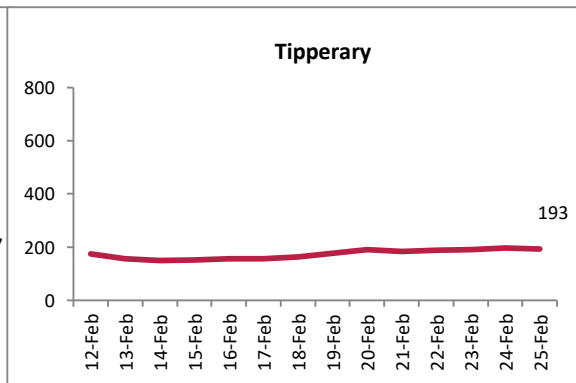
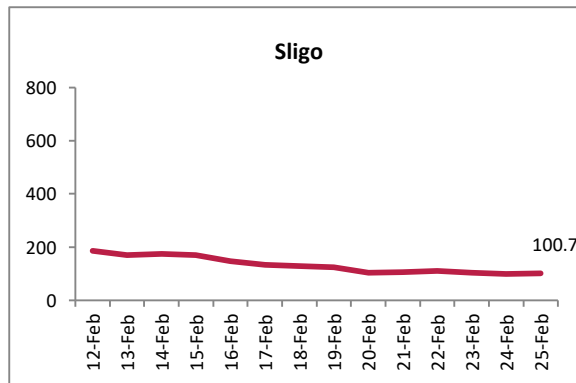
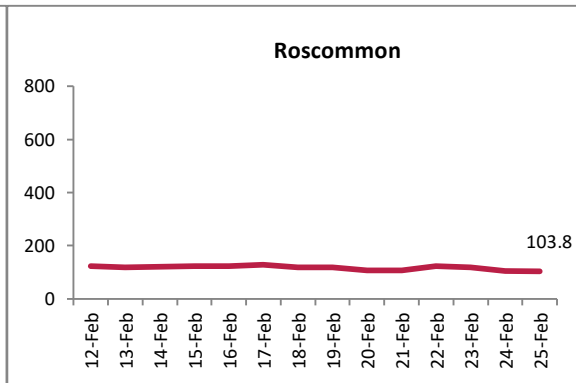
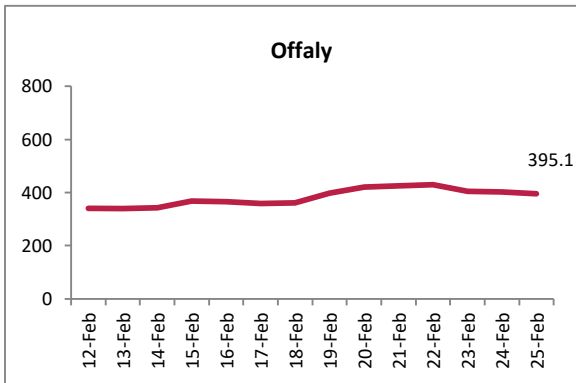
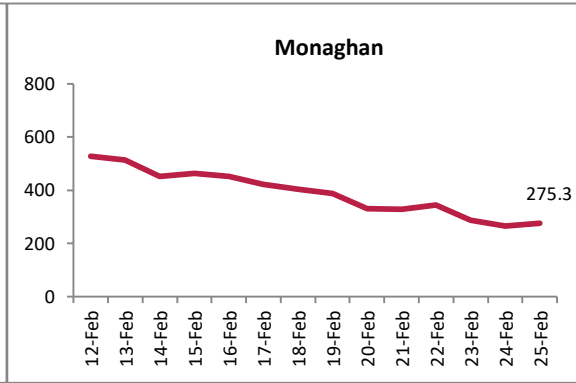
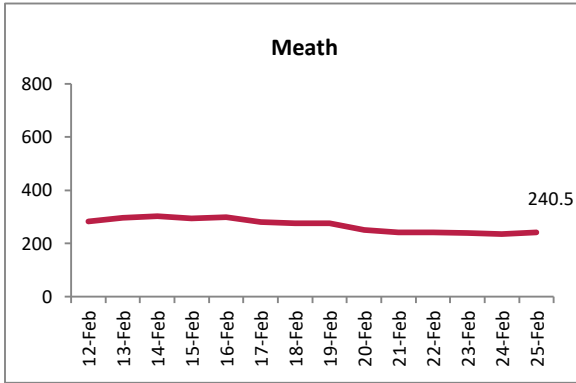
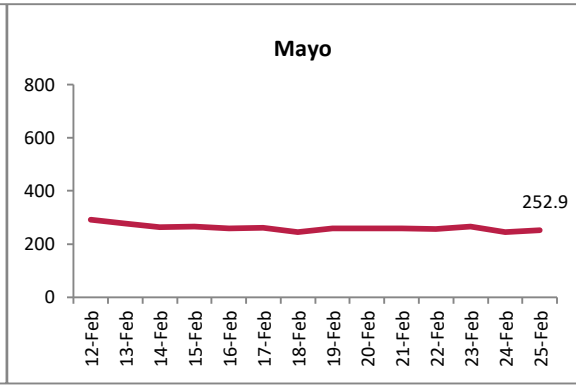
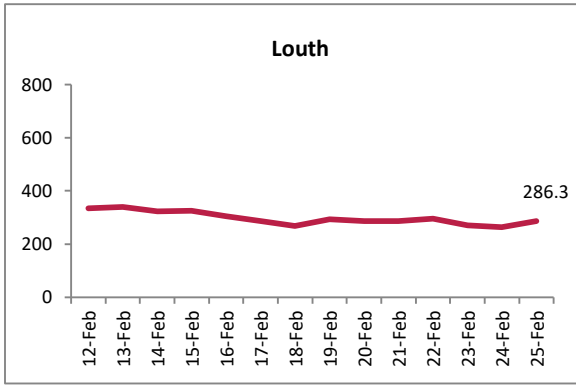
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (12/02/2021 to 25/02/2021)







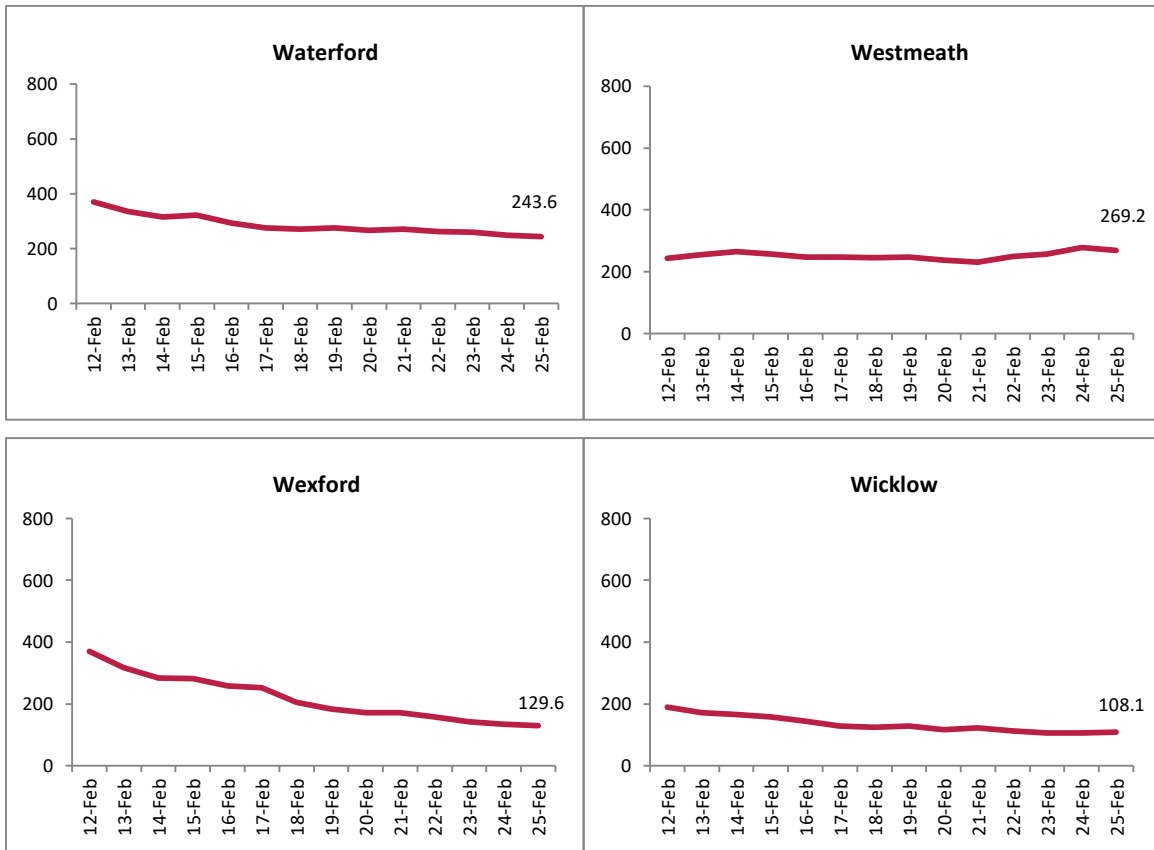


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (12/02/2021 to 25/02/2021)

