



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 14/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 31/01/2021 up to midnight 13/02/2021

	Number	Percent
Total number of confirmed cases	13,198	
National incidence of confirmed cases per 100,000 population	277.16	
Number of cases hospitalised*	973	7.37
Number of cases admitted to ICU*	38	0.29
Number of deaths among confirmed cases	77	0.58
Case fatality ratio (CFR, %)	0.58	
National incidence of confirmed deaths per 100,000 population	1.62	
Number of cases** associated with clusters	1,793	13.59
Number of imported cases	4	0.03
Number of cases in healthcare workers	1,087	8.24
Males	6,380	48.34
Females	6,797	51.5
M:F ratio	0.94	
Median age (years)	37	
Mean age (years)	39	
Age range (years)	0 - 103	

* 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
31/01/2021 - 13/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:26 on 14/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

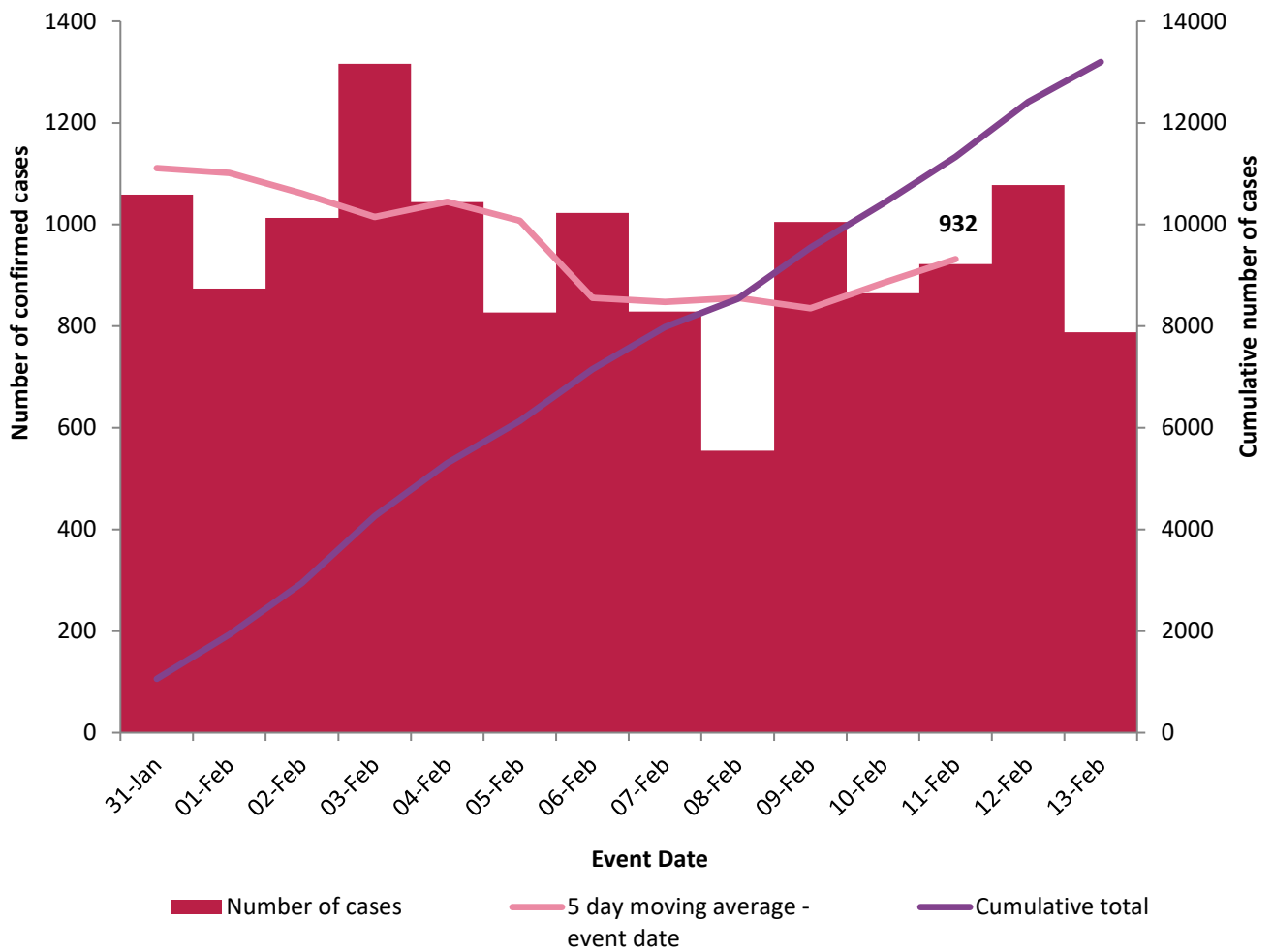


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=13,198)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 31/01/2021 up to midnight on 13/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		13,198	100
Sex	Male:Female ratio	0.94	
	Male	6,380	48.34
	Female	6,797	51.5
	Unknown	21	0.16
Age	Median age (years)	37	
	Mean age (years)	39	
	Age range (years)	0 - 103	
	0-4 yrs	539	4.08
	5-12 yrs	842	6.38
	13-18 yrs	963	7.3
	19-24 yrs	1,585	12.01
	25-34 yrs	2,138	16.2
	35-44 yrs	2,140	16.21
	45-54 yrs	1,889	14.31
	55-64 yrs	1,320	10
	65-74 yrs	689	5.22
	75-84 yrs	595	4.51
	85+ yrs	489	3.71
	Unknown	9	0.07
Symptom status at time of test*	Yes	7,903	59.88
	No	2,359	17.87
	Unknown	2,936	22.25

*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 31/01/2021 to midnight 13/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	993	253.8
CHO2	1,253	276.5
CHO3	762	197.9
CHO4	1,141	165.2
CHO5	1,355	265.5
CHO6	1,076	280.8
CHO7	2,009	283.9
CHO8	1,858	300.0
CHO9	2,751	442.7
Unknown	0	
Total	13,198	277.2

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 31/01/2021 to midnight 13/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (09/02/2021-13/02/2021)
Monaghan	315	513.1	18
Carlow	210	368.9	13
Dublin	4,964	368.4	393
Offaly	269	345.0	26
Waterford	394	339.1	23
Louth	437	339.1	29
Wexford	474	316.6	24
Galway	816	316.2	67
Meath	581	297.9	41
Laois	251	296.4	19
Kildare	625	280.9	43
Mayo	360	275.8	24
Cavan	205	269.1	15
Limerick	501	257.1	33
Westmeath	225	253.5	18
Longford	94	230.0	7
Donegal	315	197.9	16
Cork	982	180.9	50
Wicklow	247	173.4	13
Sligo	112	170.9	6
Tipperary	245	153.6	18
Leitrim	46	143.6	4
Clare	165	138.9	11
Kilkenny	129	130.0	7
Roscommon	77	119.3	6
Kerry	159	107.6	8
Total	13,198	277.2	932

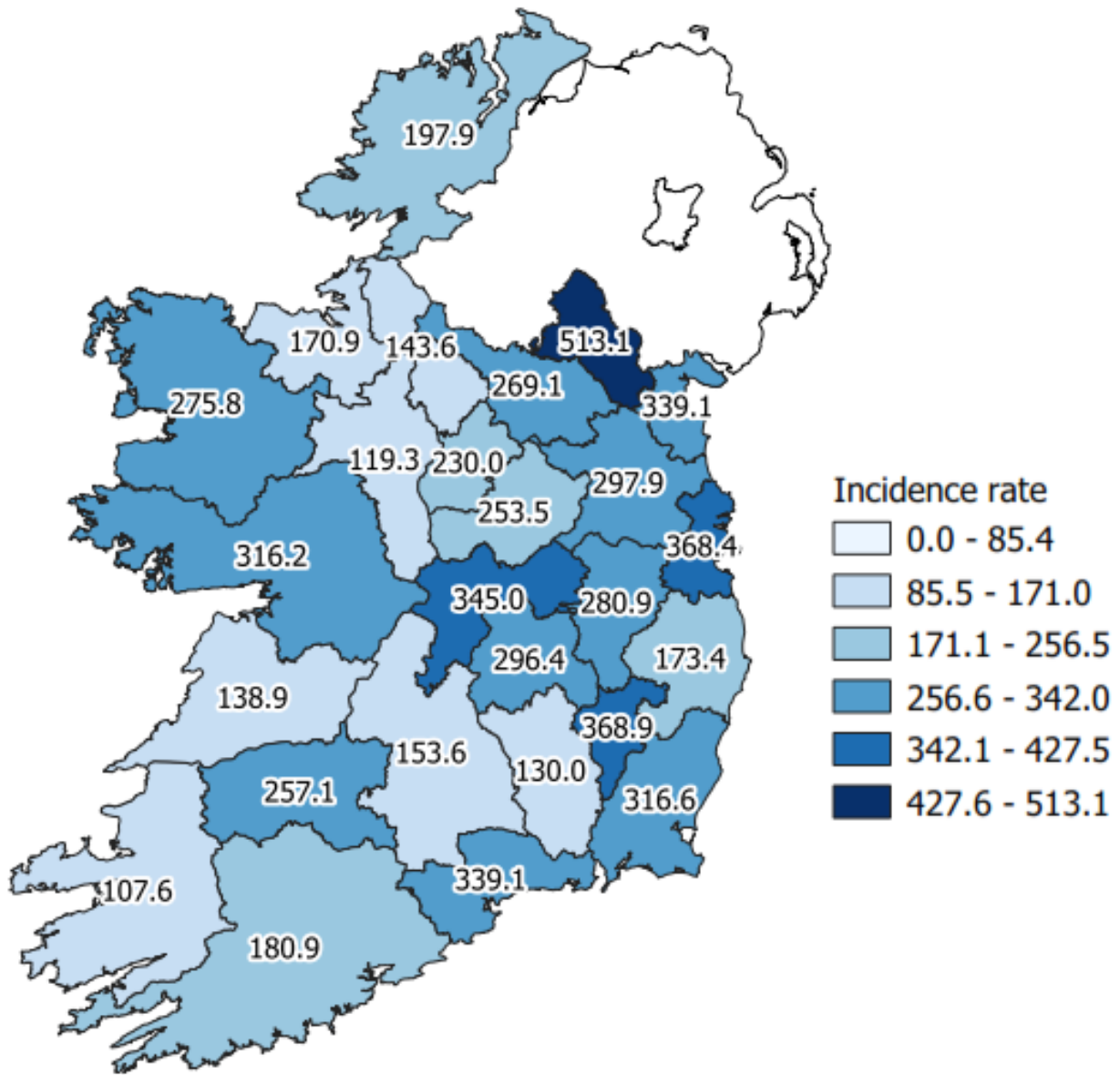


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 31/01/2021 and 13/02/2021

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 31/01/2021 and 13/02/2021

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	228	167.6
CCA2	Dublin South East	605	489.1
CCA3	Dublin South City	296	197.4
CCA4	Dublin South West	457	284.0
CCA5	Dublin West	627	403.6
CCA6	Dublin North West	1,088	523.9
CCA7	Dublin North Central	973	629.4
CCA8	Dublin North	690	266.3
	Unknown		
	Dublin	4,964	368.4

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.

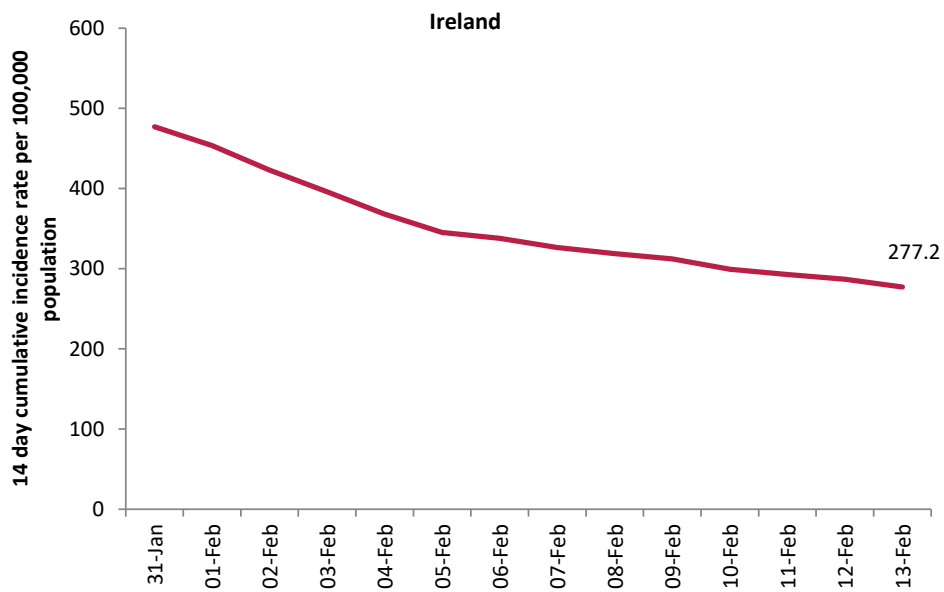


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (31/01/2021 to 13/02/2021)

*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 31/01/2021 to midnight 13/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	76	0.58%
Close contact with a known confirmed case	6021	45.62%
Healthcare setting acquired: patient	842	6.38%
Healthcare setting acquired: staff	559	4.24%
Community transmission	2326	17.62%
Under investigation	3374	25.56%
Total cases with known most likely transmission source	9824	77.44%
Total	13198	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 31/01/2021 to midnight 13/02/2021 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	539	17	1.75	0	0
5-12 yrs	842	20	2.06	0	0
13-18 yrs	963	18	1.85	0	0
19-24 yrs	1585	42	4.32	0	0
25-34 yrs	2138	75	7.71	0	0
35-44 yrs	2140	78	8.02	<5	
45-54 yrs	1889	100	10.28	9	23.68
55-64 yrs	1320	137	14.08	10	26.32
65-74 yrs	689	138	14.18	12	31.58
75-84 yrs	595	209	21.48	<5	
85+ yrs	489	138	14.18	<5	
Unknown	9	1	0.10	0	0
Total	13,198	973	100	38	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 31/01/2021 up to midnight 13/02/2021

	Number	Percent	
Total number of deaths	81		
	Confirmed	77	95.06
	Possible	4	4.94
Total number of cases hospitalised	37	45.68	
Total number of male cases	47	58.02	
M:F ratio	1.38		
Median age (years)	84		
Mean age (years)	83		
Age range (years)	43 - 100		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 31/01/2021 up to midnight 13/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	5	6.17
65-74 yrs	*	*	9	11.11
75-84 yrs	12	16	28	34.57
85+ yrs	17	22	39	48.15
Total	34	47	81	100
Percent	41.98	58.02		

*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.

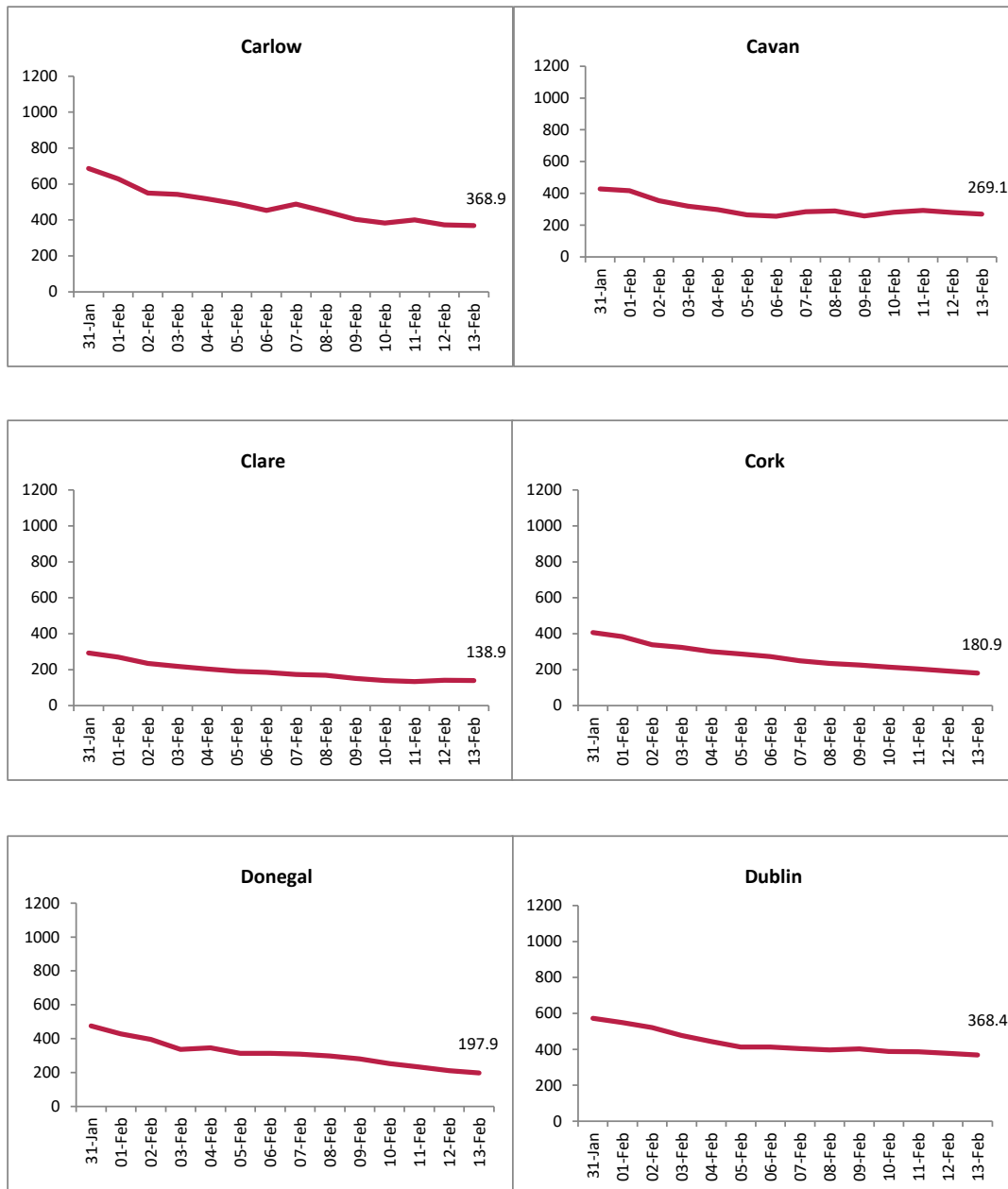
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

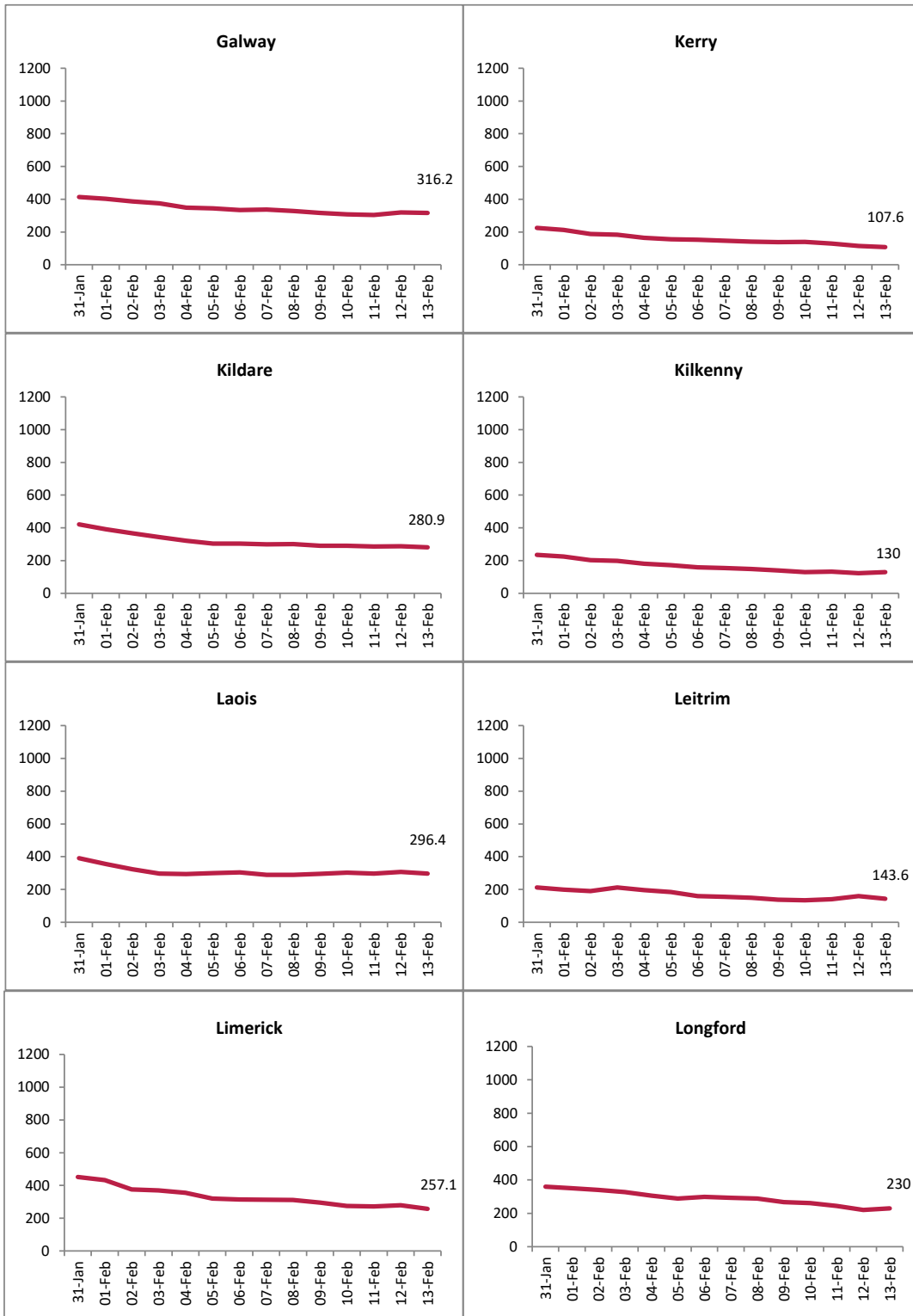
WHO definition of transmission classification is specified below:

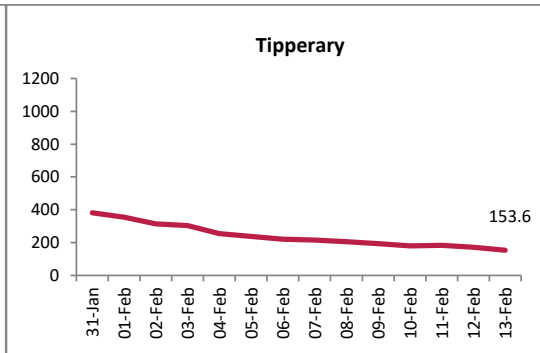
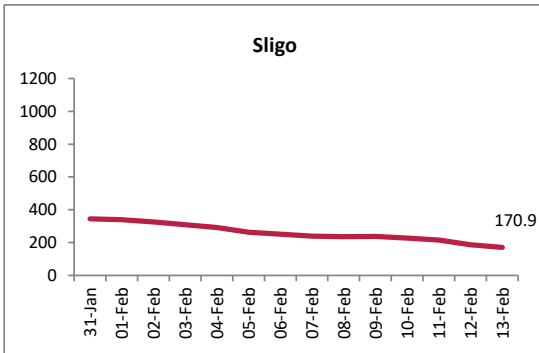
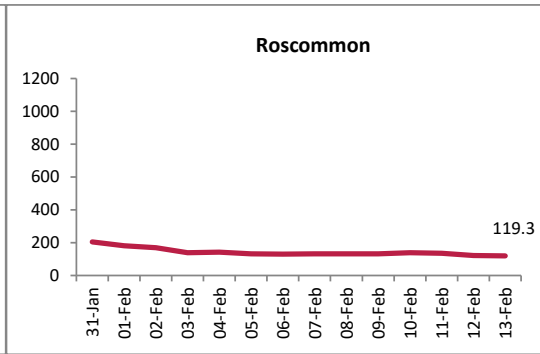
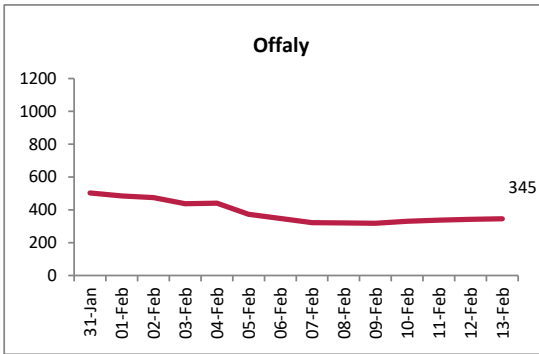
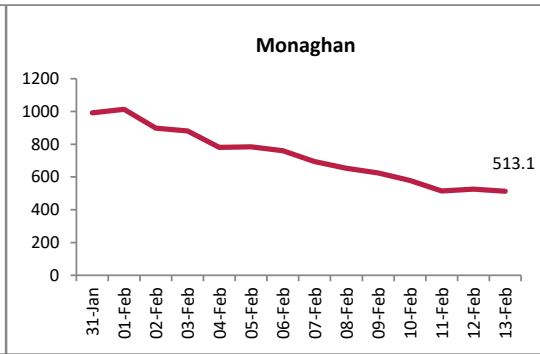
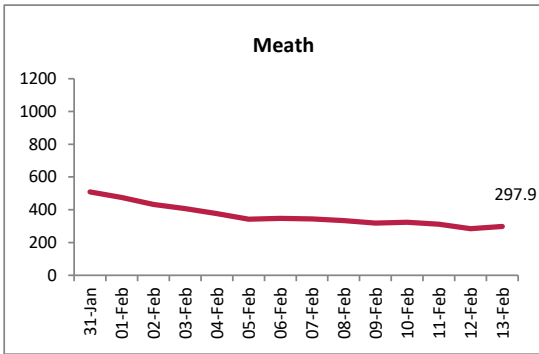
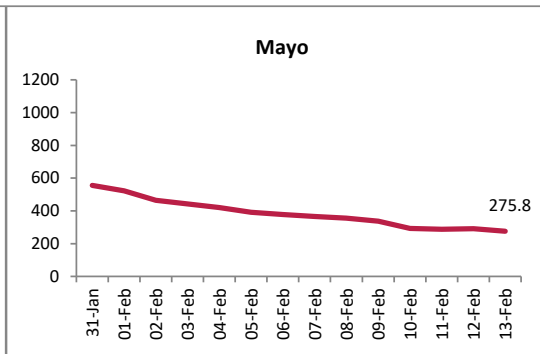
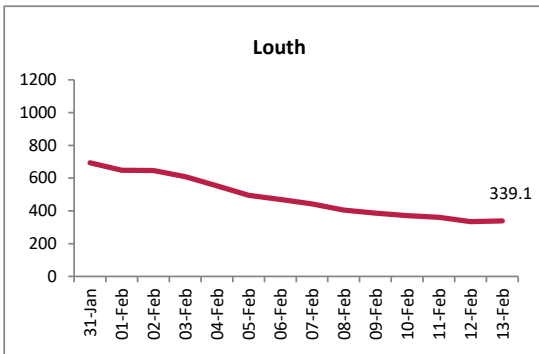
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (31/01/2021 to 13/02/2021)







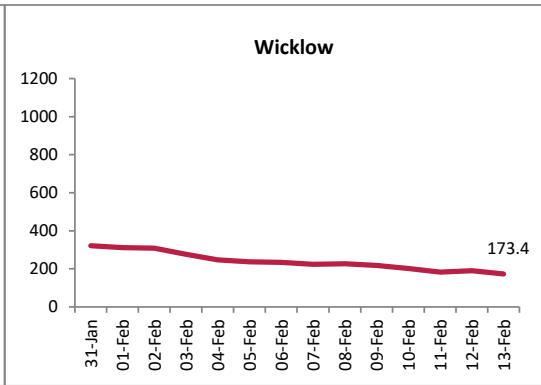
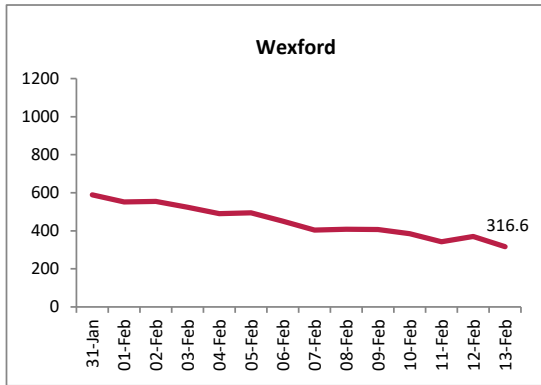
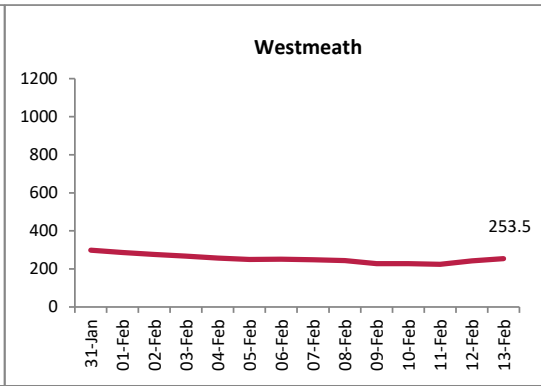
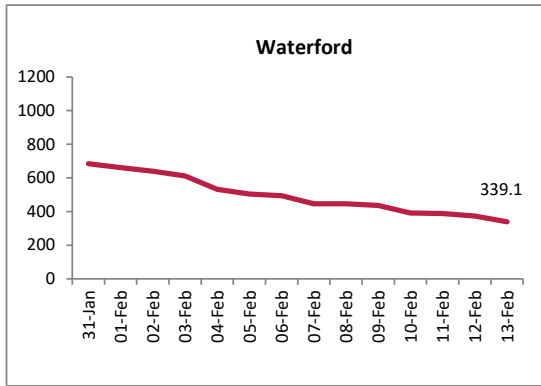


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (31/01/2021 to 13/02/2021)

