



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 12/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/01/2021 up to midnight 11/02/2021

	Number	Percent
Total number of confirmed cases	13,942	
National incidence of confirmed cases per 100,000 population	292.78	
Number of cases hospitalised*	1,054	7.56
Number of cases admitted to ICU*	42	0.3
Number of deaths among confirmed cases	88	0.63
Case fatality ratio (CFR, %)	0.63	
National incidence of confirmed deaths per 100,000 population	1.85	
Number of cases** associated with clusters	2,160	15.49
Number of imported cases	7	0.05
Number of cases in healthcare workers	1,314	9.42
Males	6,671	47.85
Females	7,259	52.07
M:F ratio	0.92	
Median age (years)	38	
Mean age (years)	40	
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
29/01/2021 - 11/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:50 on 12/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 29/01/2021 up to midnight on 11/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		13,942	100
Sex	Male:Female ratio	0.92	
	Male	6,671	47.85
	Female	7,259	52.07
	Unknown	12	0.09
Age	Median age (years)	38	
	Mean age (years)	40	
	Age range (years)	0 - 103	
	0-4 yrs	526	3.77
	5-12 yrs	781	5.6
	13-18 yrs	993	7.12
	19-24 yrs	1,536	11.02
	25-34 yrs	2,277	16.33
	35-44 yrs	2,340	16.78
	45-54 yrs	2,042	14.65
	55-64 yrs	1,441	10.34
	65-74 yrs	754	5.41
	75-84 yrs	675	4.84
	85+ yrs	568	4.07
	Unknown	9	0.06
Symptom status at time of test*	Yes	8,628	61.88
	No	2,328	16.7
	Unknown	2,986	21.42

*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.

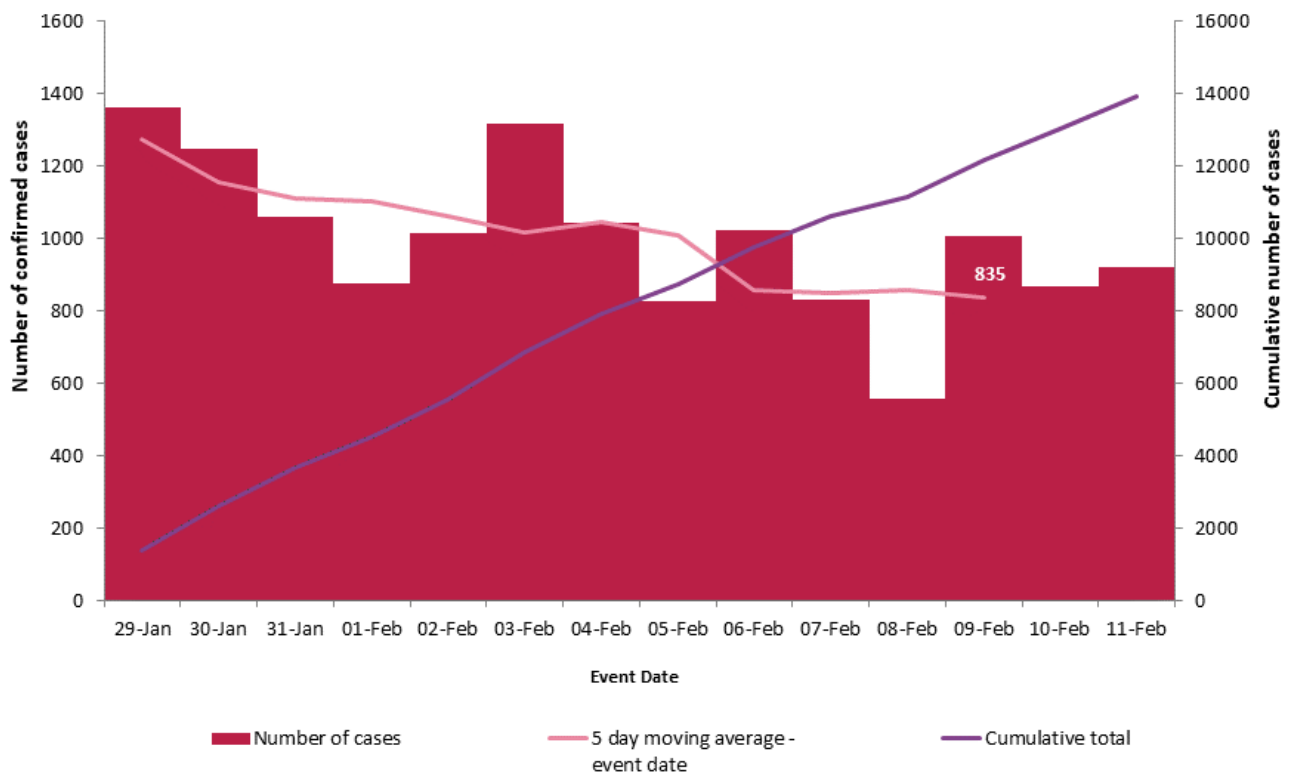


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=13,942)

Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 29/01/2021 to midnight 11/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,094	279.6
CHO2	1,245	274.8
CHO3	825	214.3
CHO4	1,298	188.0
CHO5	1,482	290.4
CHO6	1,136	296.5
CHO7	2,164	305.8
CHO8	1,892	305.5
CHO9	2,806	451.6
Unknown	0	
Total	13,942	292.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 29/01/2021 to midnight 11/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (07/02/2021-11/02/2021)
Monaghan	316	514.8	14
Carlow	229	402.2	15
Waterford	451	388.2	20
Dublin	5,211	386.8	352
Louth	465	360.8	29
Wexford	512	342.0	19
Offaly	263	337.3	23
Meath	612	313.8	39
Galway	784	303.8	39
Laois	252	297.5	17
Cavan	221	290.1	19
Mayo	375	287.3	19
Kildare	634	284.9	40
Limerick	534	274.0	32
Longford	100	244.7	6
Donegal	371	233.1	15
Westmeath	199	224.2	14
Sligo	141	215.2	5
Cork	1,107	203.9	53
Wicklow	261	183.3	13
Tipperary	291	182.4	18
Leitrim	45	140.4	2
Clare	160	134.7	9
Roscommon	86	133.2	5
Kilkenny	131	132.0	8
Kerry	191	129.3	10
Total	13,942	292.8	835

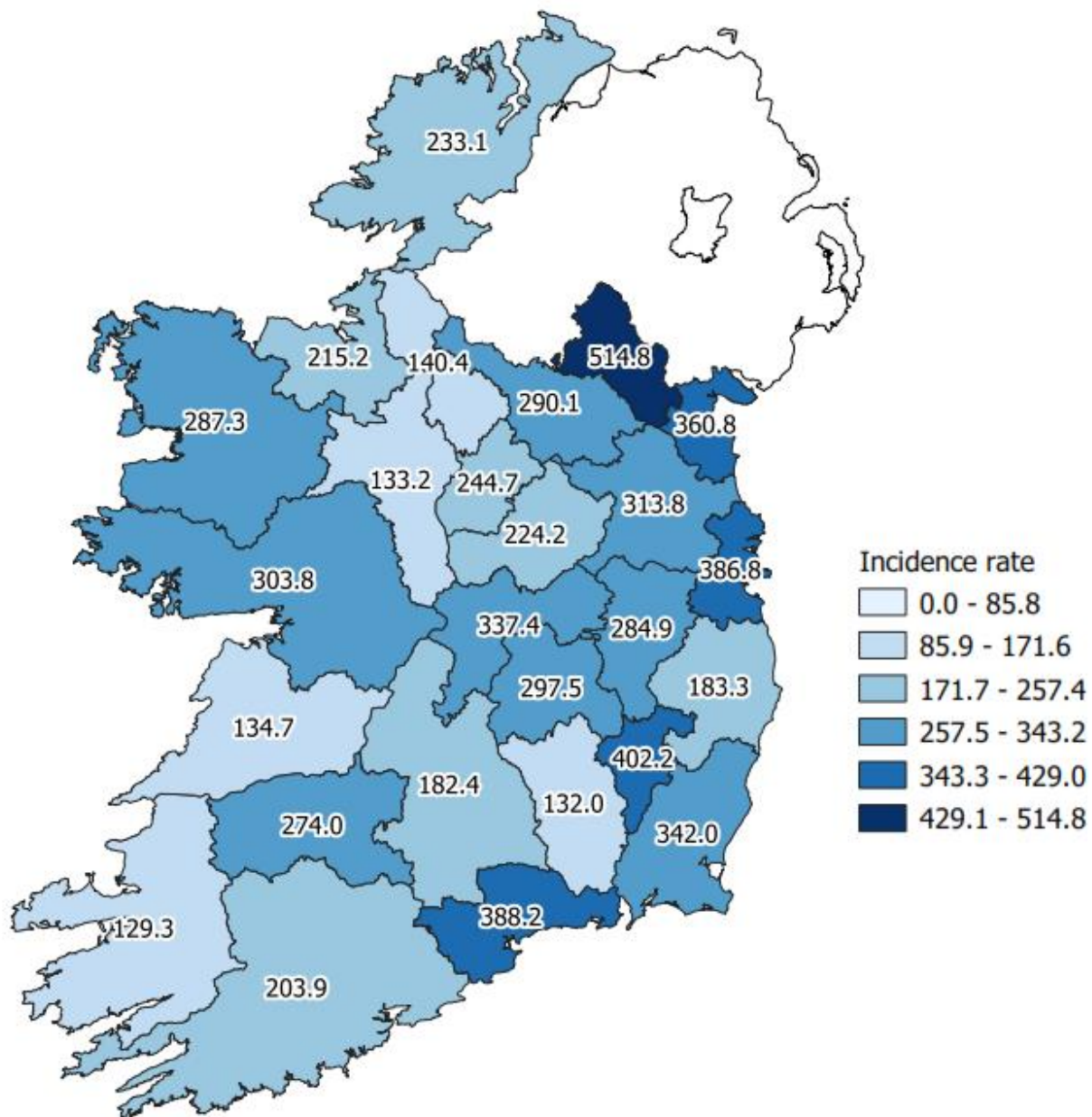


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 29/01/2021 and 11/02/2021

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 29/01/2021 and 11/02/2021

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	249	183.0
CCA2	Dublin South East	631	510.1
CCA3	Dublin South City	314	209.4
CCA4	Dublin South West	498	309.5
CCA5	Dublin West	713	459.0
CCA6	Dublin North West	1,147	552.3
CCA7	Dublin North Central	909	588.0
CCA8	Dublin North	750	289.4
	Unknown		
	Dublin	5,211	386.8

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.

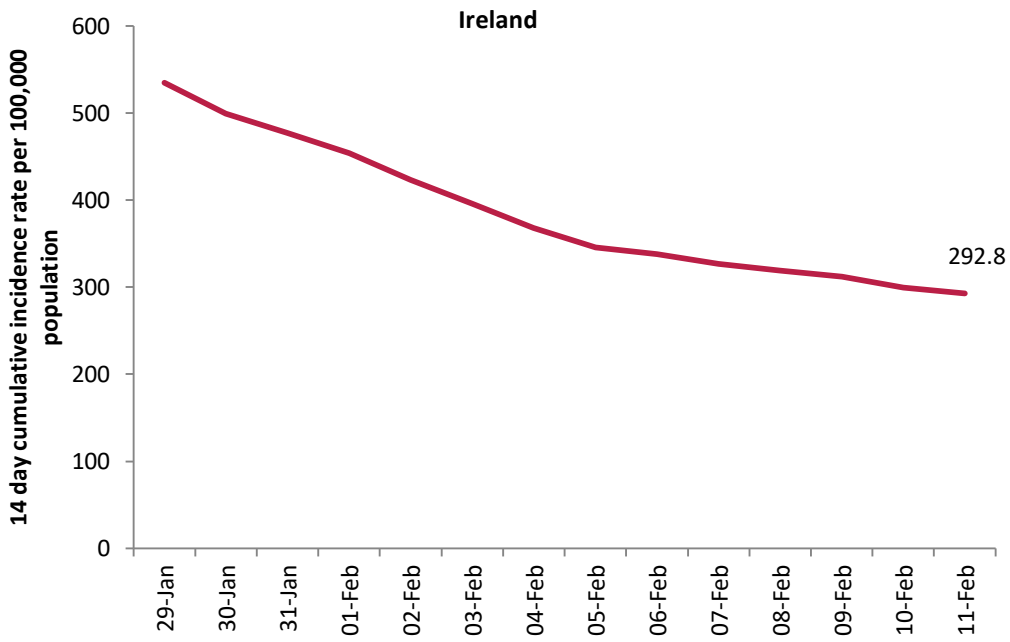


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (29/01/2021 to 11/02/2021)

*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 29/01/2021 to midnight 11/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	83	0.60%
Close contact with a known confirmed case	6,148	44.10%
Healthcare setting acquired: patient	969	6.95%
Healthcare setting acquired: staff	677	4.86%
Community transmission	2,604	18.68%
Under investigation	3,461	24.82%
Total	13,942	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 29/01/2021 to midnight 11/02/2021 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	526	19	1.80	0	0
5-12 yrs	781	17	1.61	0	0
13-18 yrs	993	20	1.90	0	0
19-24 yrs	1,536	44	4.17	<5	
25-34 yrs	2,277	83	7.87	<5	
35-44 yrs	2,340	85	8.06	5	11.90
45-54 yrs	2,042	111	10.53	7	16.67
55-64 yrs	1,441	152	14.42	10	23.81
65-74 yrs	754	148	14.04	12	28.57
75-84 yrs	675	222	21.06	<5	
85+ yrs	568	152	14.42	<5	
Unknown	9	1	0.09	0	0
Total	13,942	1,054	100	42	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 29/01/2021 up to midnight 11/02/2021

	Number	Percent	
Total number of deaths	92		
	Confirmed	88	95.65
	Possible	4	4.35
Total number of cases hospitalised	42	45.65	
Total number of male cases	51	55.43	
M:F ratio	1.24		
Median age (years)	84		
Mean age (years)	82		
Age range (years)	19 - 100		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 29/01/2021 up to midnight 11/02/2021

Age group (years)	Female	Male	Total	Percent
15-<65 yrs	*	*	7	7.62
65-74 yrs	*	*	9	9.78
75-84 yrs	14	19	33	35.87
85+ yrs	21	22	43	46.74
Total	41	51	92	100
Percent	44.57	55.43		

* 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 at 08:18 on 03/02/2021. 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.

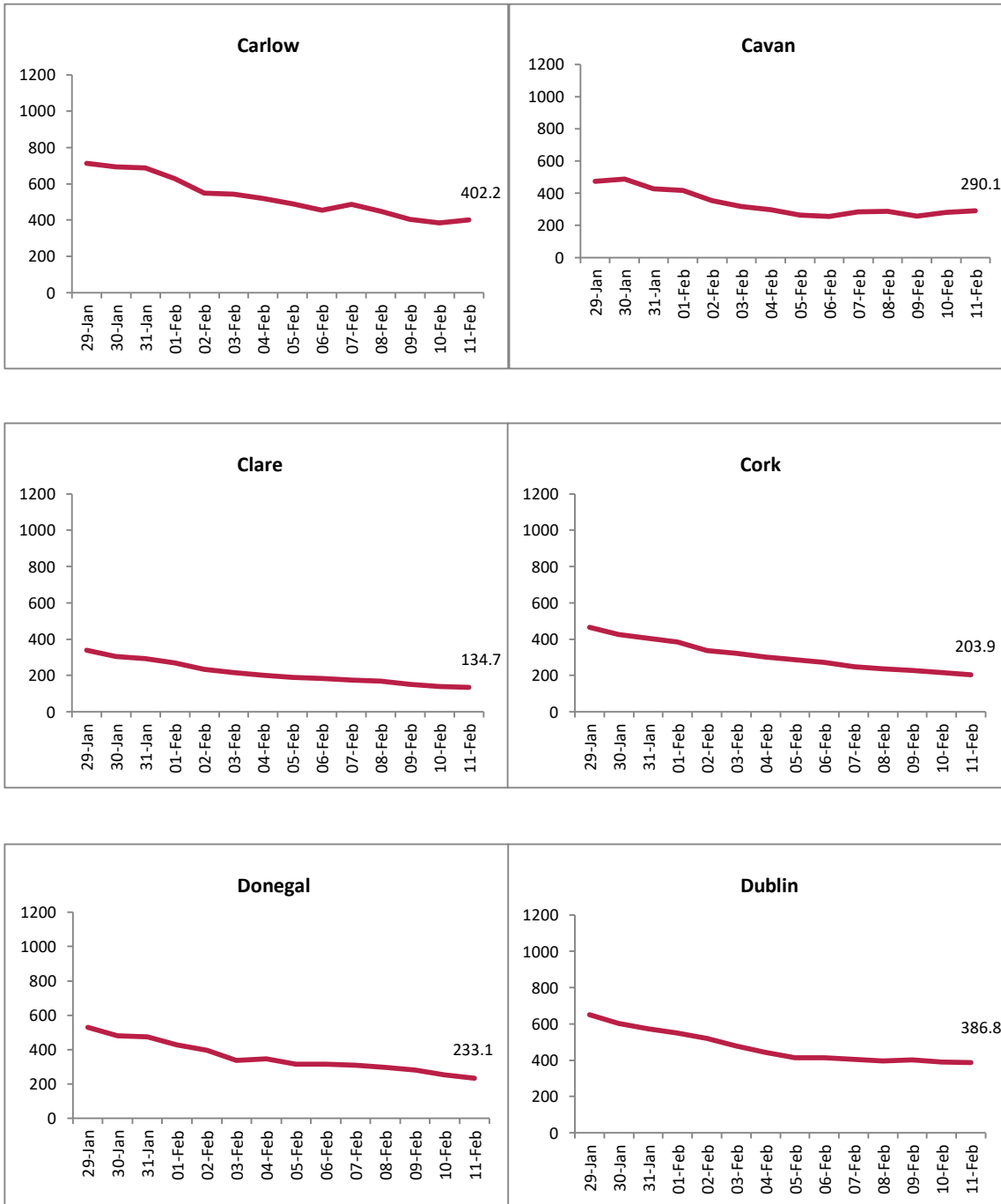
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

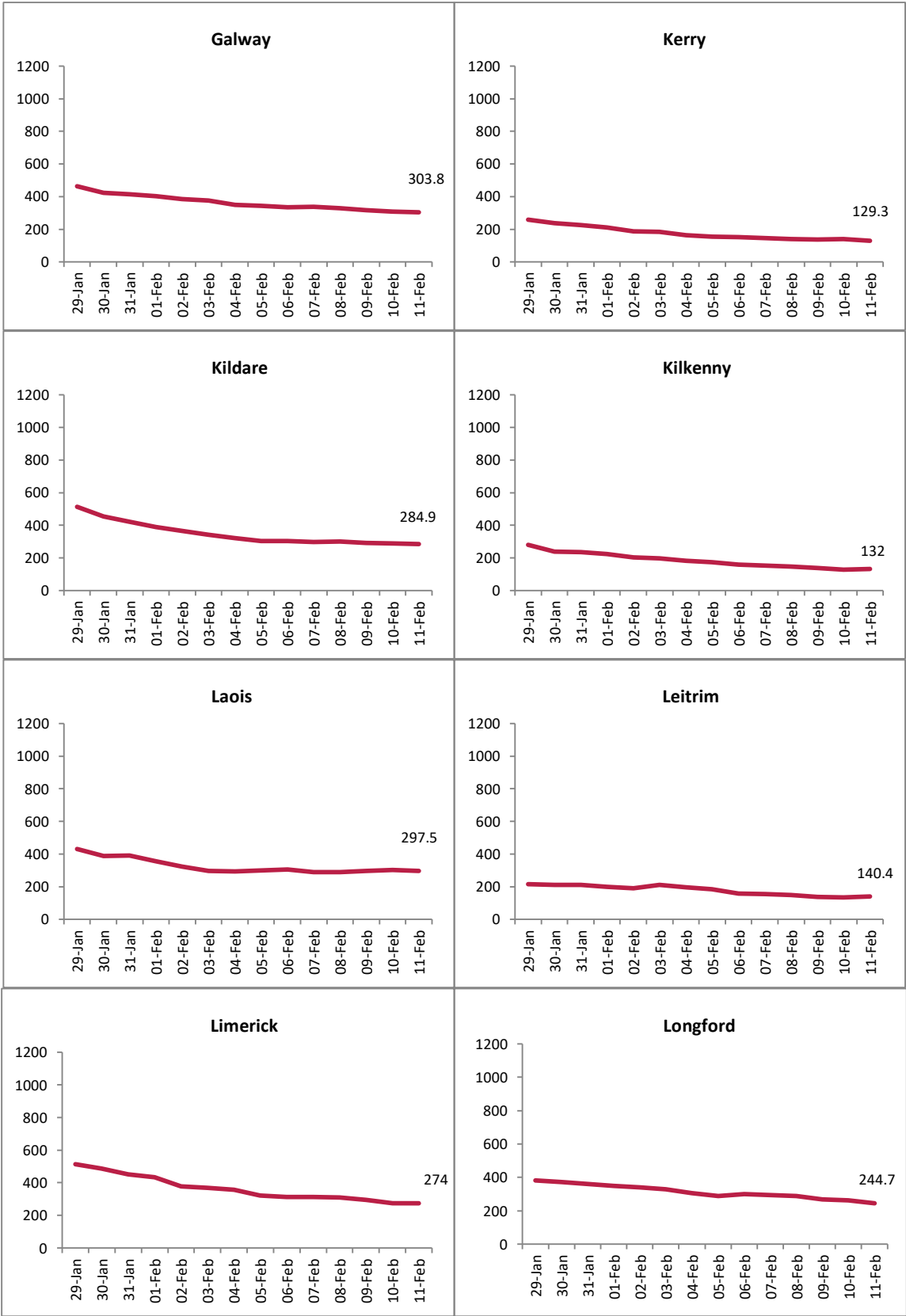
WHO definition of transmission classification is specified below:

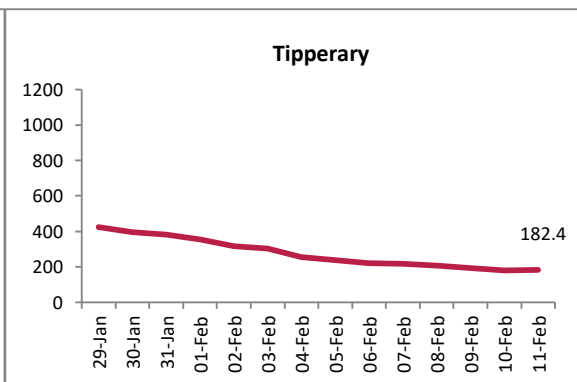
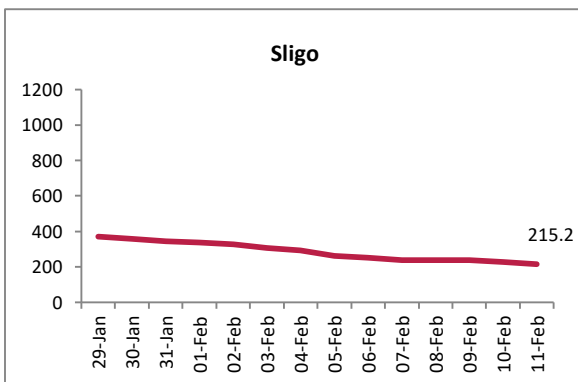
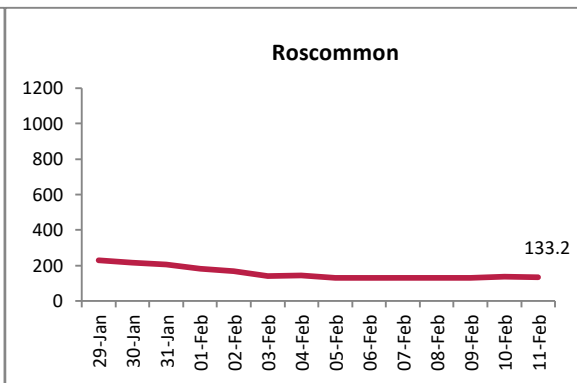
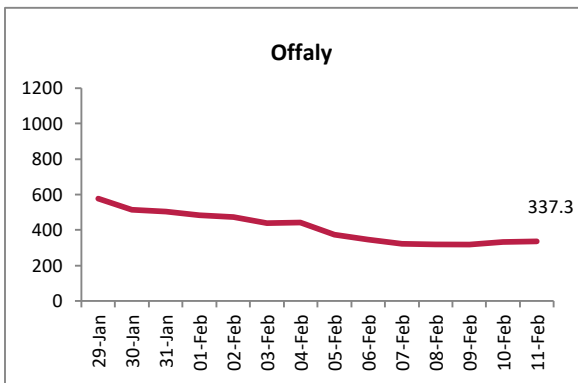
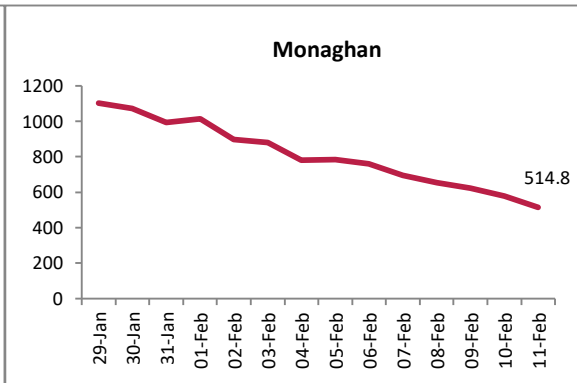
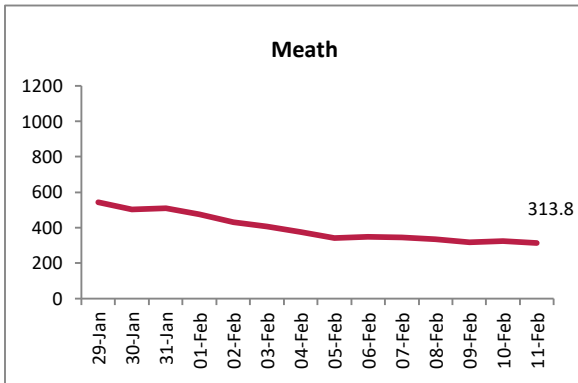
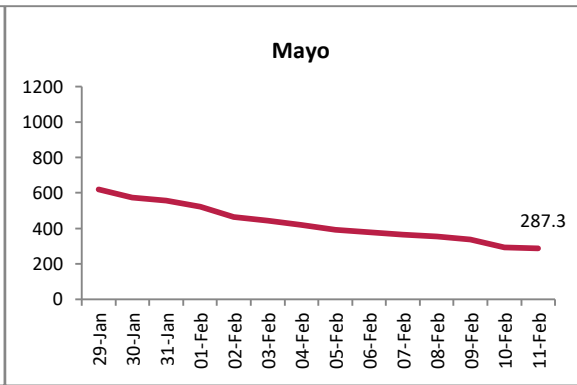
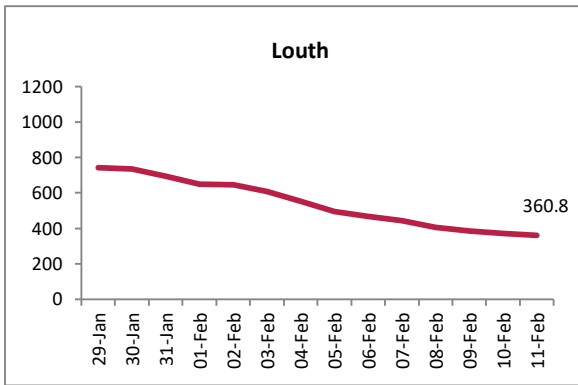
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (29/01/2021 to 11/02/2021)







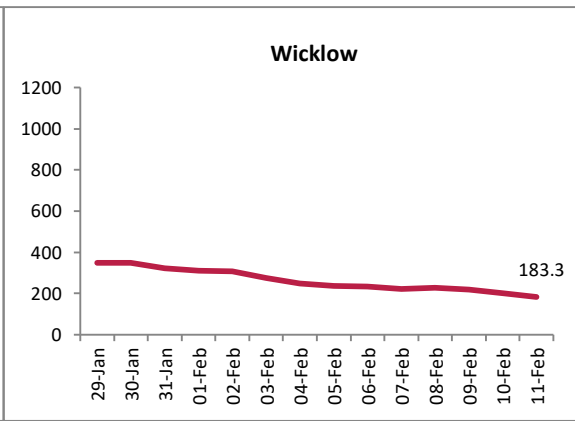
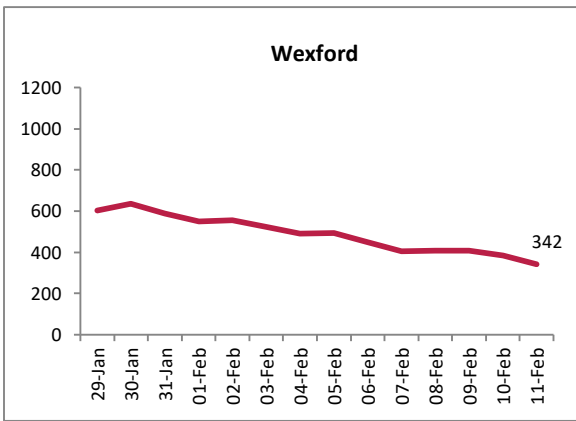
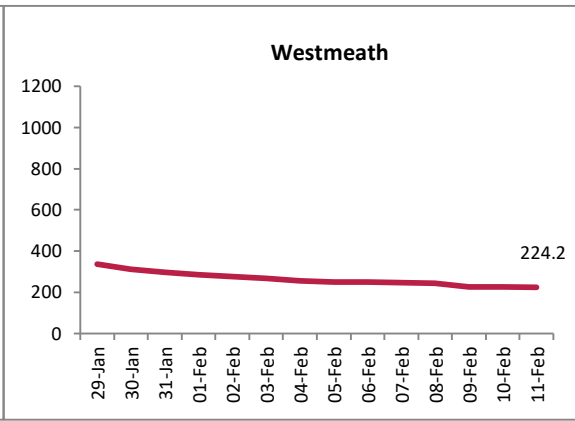
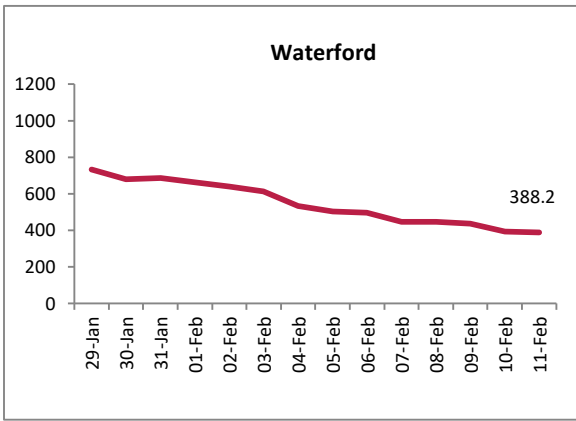


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (29/01/2021 to 11/02/2021)

