



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 05/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/01/2021 up to midnight 04/02/2021

	Number	Percent
Total number of confirmed cases	17,570	
National incidence of confirmed cases per 100,000 population	368.97	
Number of cases hospitalised*	1,306	7.43
Number of cases admitted to ICU*	49	0.28
Number of deaths among confirmed cases	155	0.88
Case fatality ratio (CFR, %)	0.88	
National incidence of confirmed deaths per 100,000 population	3.26	
Number of cases** associated with clusters	2,751	15.66
Number of imported cases	10	0.06
Number of cases in healthcare workers	2,064	11.75
Males	8,230	46.84
Females	9,317	53.03
M:F ratio	0.88	
Median age (years)	40	
Mean age (years)	43	
Age range (years)	0 - 105	

* 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
22/01/2021 - 04/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:47 on 05/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

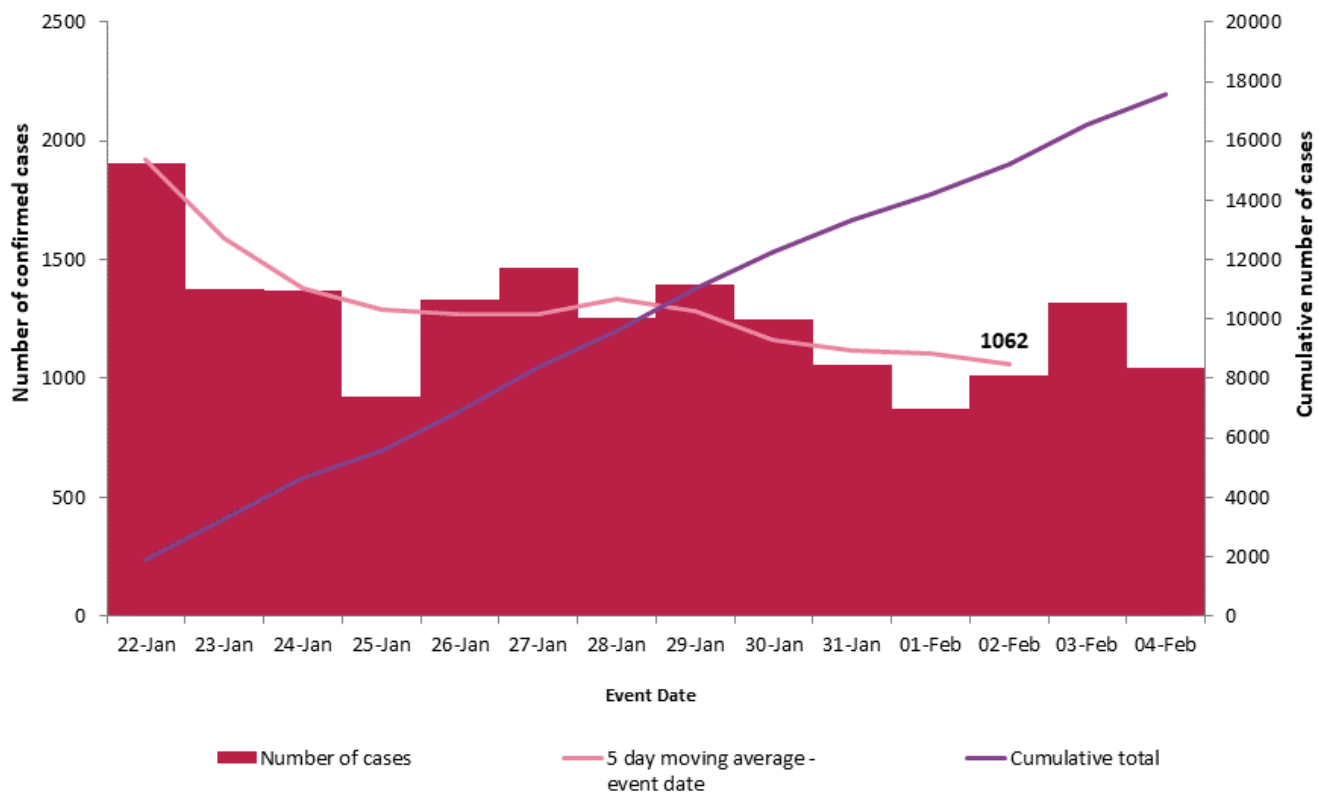


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=17,570)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/01/2021 up to midnight on 04/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		17,570	100
Sex	Male:Female ratio	0.88	
	Male	8,230	46.84
	Female	9,317	53.03
	Unknown	23	0.13
Age	Median age (years)	40	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	509	2.9
	5-12 yrs	737	4.19
	13-18 yrs	959	5.46
	19-24 yrs	1,861	10.59
	25-34 yrs	2,920	16.62
	35-44 yrs	2,960	16.85
	45-54 yrs	2,698	15.36
	55-64 yrs	1,954	11.12
	65-74 yrs	1,028	5.85
	75-84 yrs	992	5.65
	85+ yrs	943	5.37
	Unknown	9	0.05
Symptom status at time of test*	Yes	11,009	62.66
	No	2,481	14.12
	Unknown	4,080	23.22

*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 22/01/2021 to midnight 04/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,502	383.9
CHO2	1,541	340.1
CHO3	1,149	298.4
CHO4	1,879	272.1
CHO5	2,026	397.0
CHO6	1,342	350.2
CHO7	2,629	371.5
CHO8	2,407	388.7
CHO9	3,093	497.7
Unknown	2	
Total	17,570	369.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 22/01/2021 to midnight 04/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (31/01/2021-04/02/2021)
Monaghan	478	778.7	29
Louth	715	554.8	40
Waterford	620	533.7	37
Carlow	303	532.2	20
Wexford	734	490.2	49
Dublin	5,999	445.2	356
Offaly	344	441.2	17
Mayo	542	415.3	30
Meath	741	379.9	42
Limerick	702	360.2	43
Galway	907	351.5	64
Donegal	550	345.5	30
Kildare	715	321.3	53
Longford	125	305.8	6
Cork	1,637	301.5	103
Cavan	227	298.0	13
Sligo	192	293.0	11
Laois	244	288.1	17
Westmeath	228	256.8	15
Tipperary	404	253.2	18
Wicklow	351	246.4	22
Clare	237	199.5	12
Leitrim	63	196.6	4
Kilkenny	177	178.4	12
Kerry	243	164.5	13
Roscommon	92	142.5	5
Total	17,570	369.0	1,062

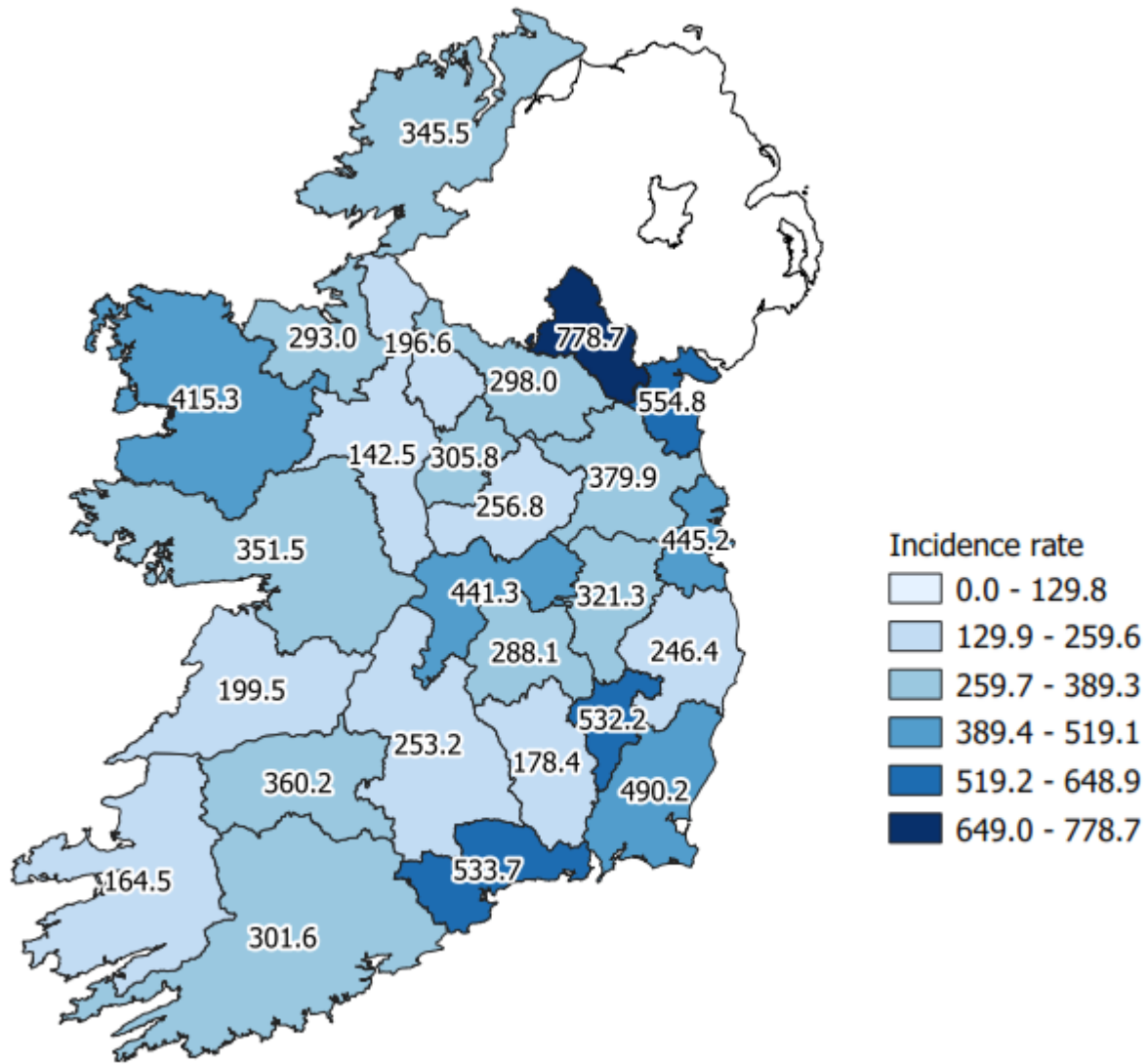


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 22/01/2021 and 04/02/2021

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 22/01/2021 and 04/02/2021

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	361	265.3
CCA2	Dublin South East	639	516.6
CCA3	Dublin South City	415	276.8
CCA4	Dublin South West	612	380.4
CCA5	Dublin West	878	565.2
CCA6	Dublin North West	1,300	626.0
CCA7	Dublin North Central	908	587.4
CCA8	Dublin North	885	341.5
	Unknown	1	
	Dublin	5,999	445.2

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.

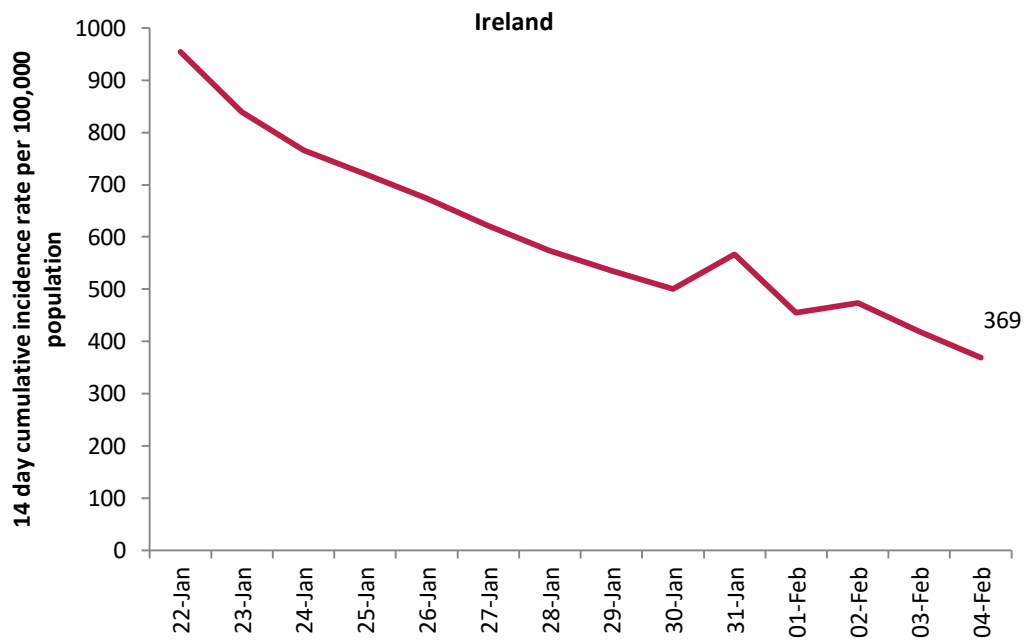


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (22/01/2021 to 04/02/2021)

*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 22/01/2021 to midnight 04/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	100	0.57%
Close contact with a known confirmed case	6264	35.65%
Healthcare setting acquired: patient	1331	7.58%
Healthcare setting acquired: staff	1117	6.36%
Community transmission	3223	18.34%
Under investigation	5535	31.50%
Total	17570	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 22/01/2021 to midnight 04/02/2021 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	509	15	1.15	0	0
5-12 yrs	737	14	1.07	0	0
13-18 yrs	959	21	1.61	<5	
19-24 yrs	1861	55	4.21	<5	
25-34 yrs	2920	119	9.11	5	10.20
35-44 yrs	2960	92	7.04	<5	6.12
45-54 yrs	2698	136	10.41	5	10.20
55-64 yrs	1954	168	12.86	14	28.57
65-74 yrs	1028	193	14.78	15	30.61
75-84 yrs	992	268	20.52	<5	
85+ yrs	943	224	17.15	<5	
Unknown	9	1	0.08	0	0
Total	17,570	1306	100	49	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 22/01/2021 up to midnight 04/02/2021

	Number	Percent
Total number of deaths	160	
Confirmed	155	96.88
Possible	5	3.13
Total number of cases hospitalised	74	46.25
Total number of male cases	79	49.38
M:F ratio	0.98	
Median age (years)	85	
Mean age (years)	82	
Age range (years)	19 - 101	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 22/01/2021 up to midnight 04/02/2021

Age group (years)	Female	Male	Total	Percent
45-54 yrs	*	*	4	2.5
55-64 yrs	*	*	4	2.5
65-74 yrs	7	10	17	10.63
75-84 yrs	28	25	53	33.13
85+ yrs	42	40	82	51.25
Total	81	79	160	100
Percent	50.63	49.38		

* 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.

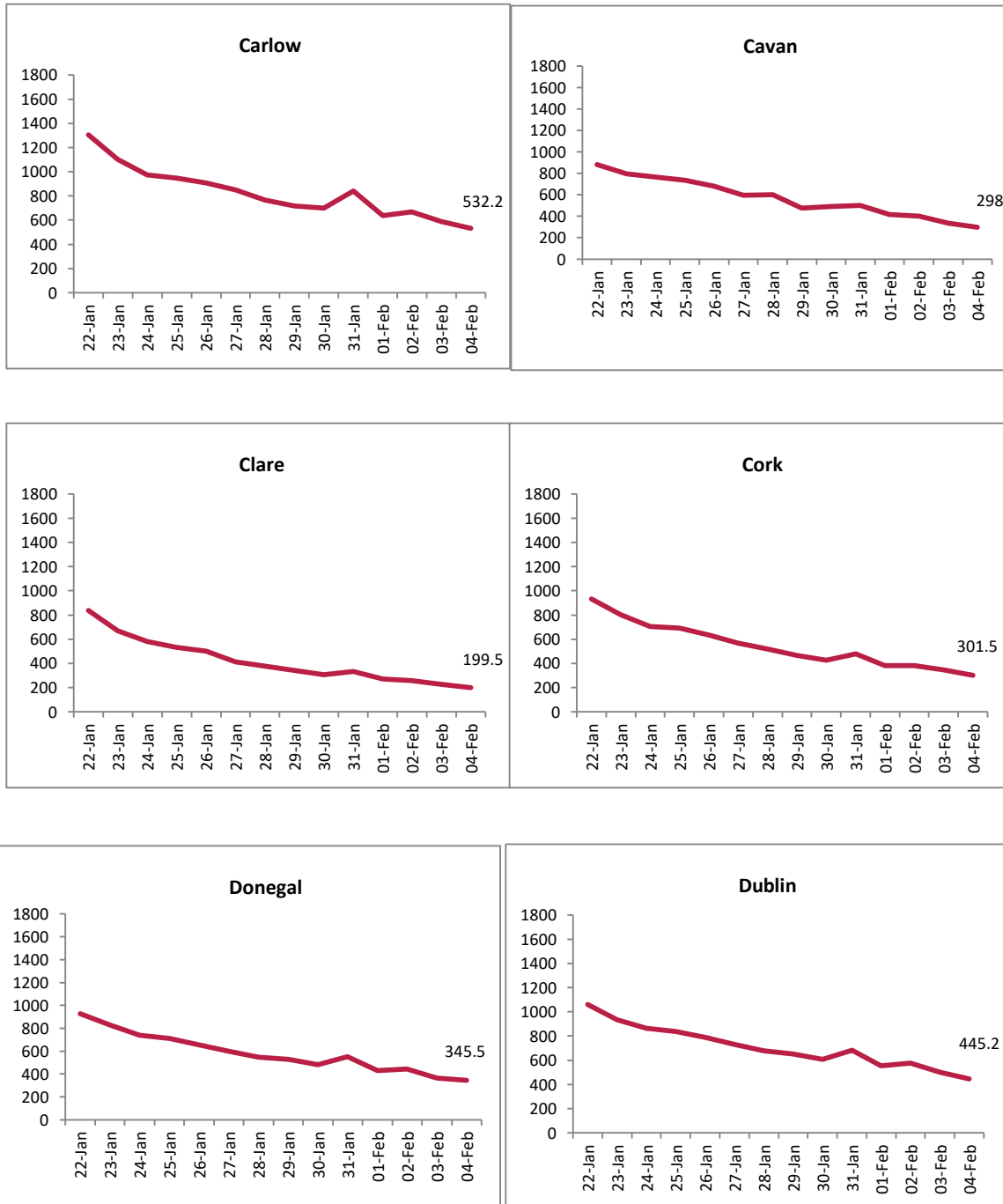
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

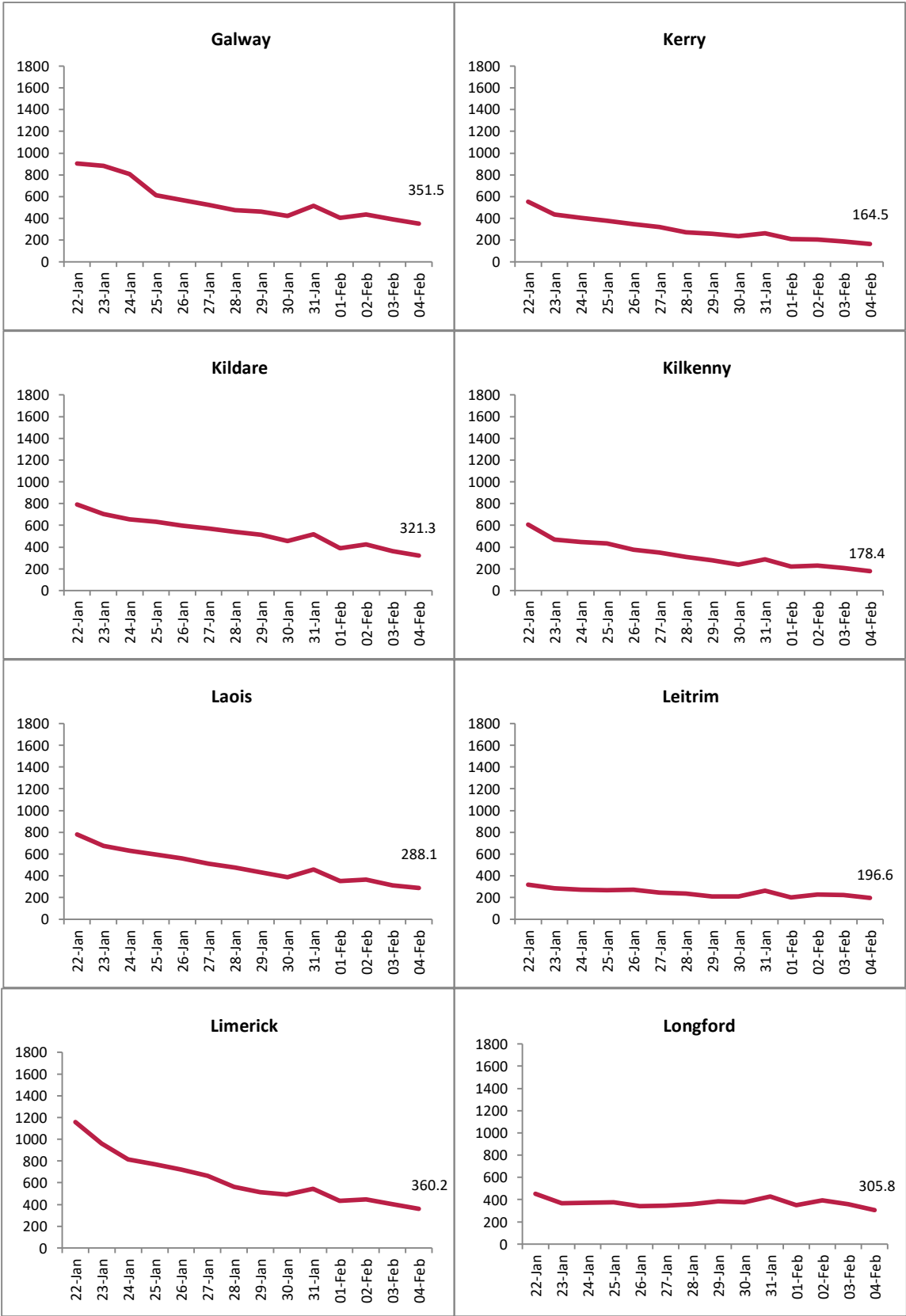
WHO definition of transmission classification is specified below:

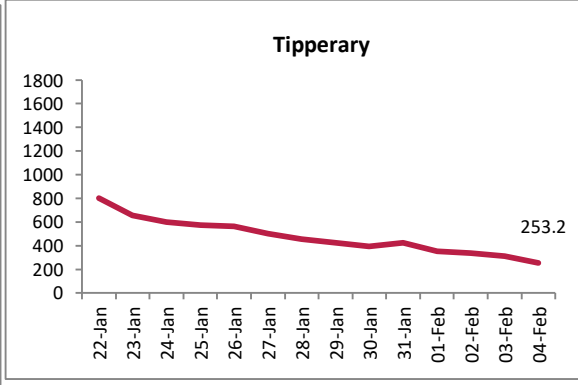
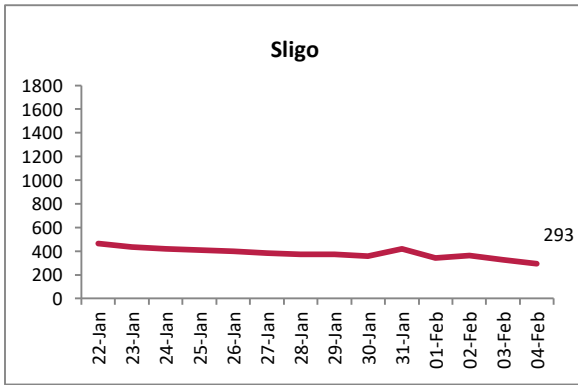
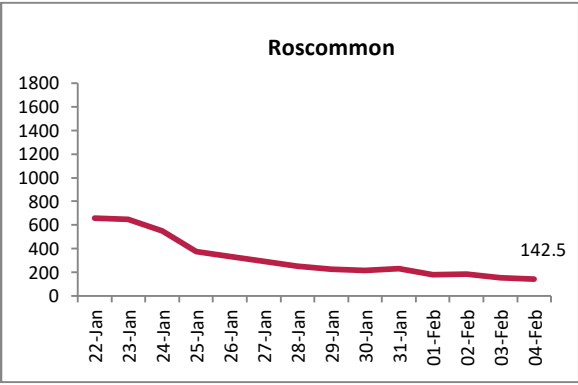
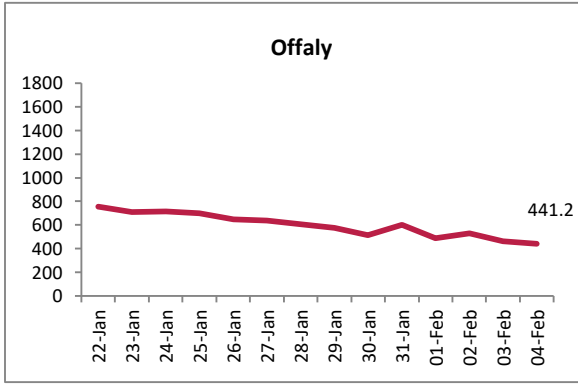
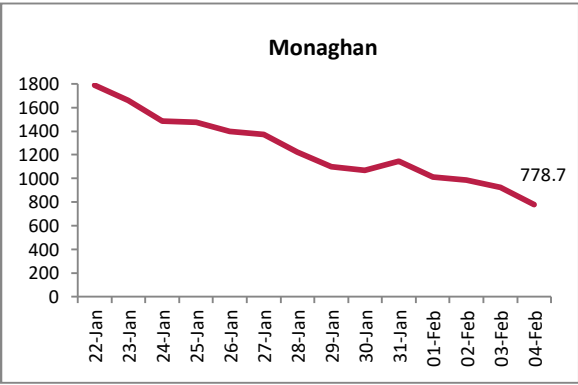
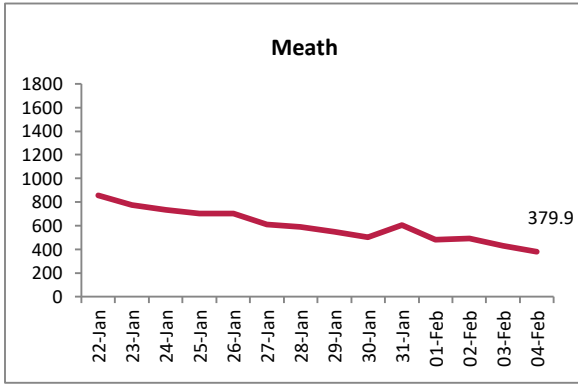
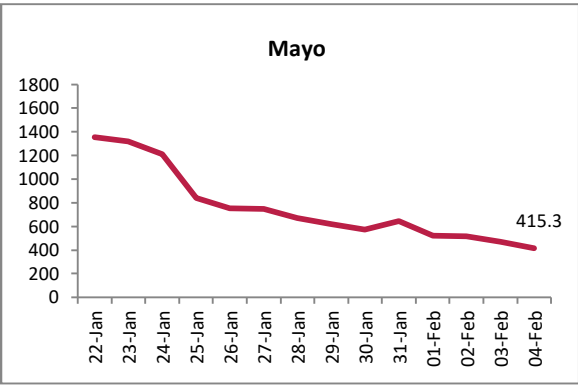
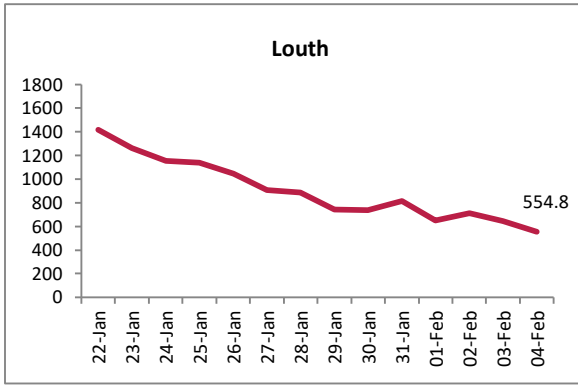
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (22/01/2021 to 04/02/2021)







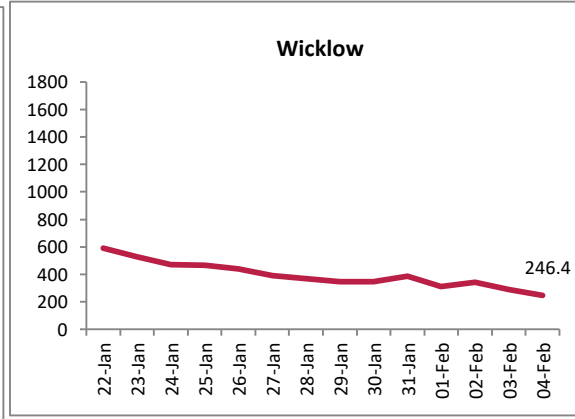
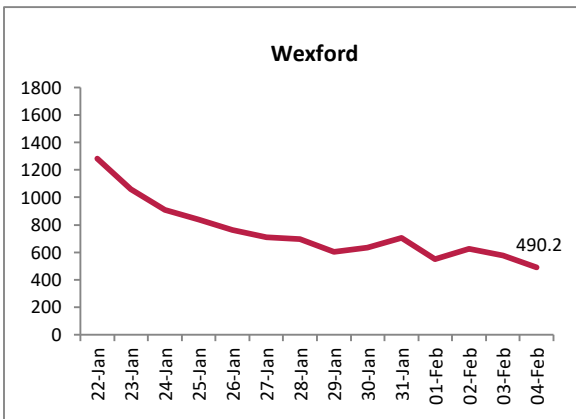
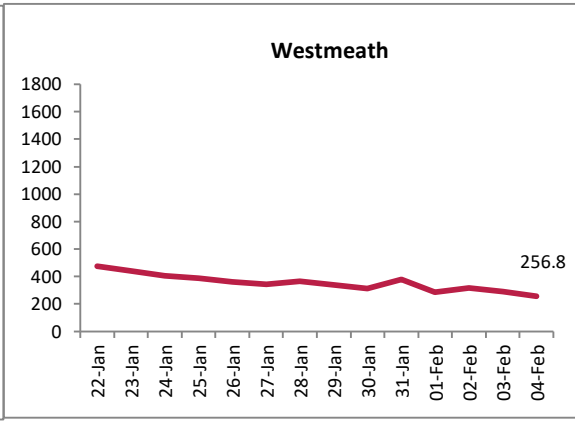
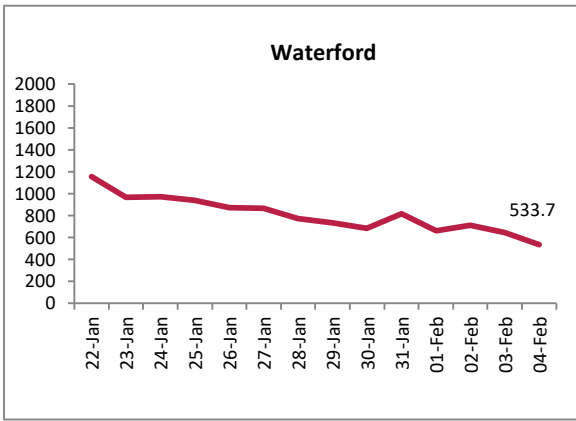


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (22/01/2021 to 04/02/2021)

