



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 29/01/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 15/01/2021 up to midnight 28/01/2021

	Number	Percent
Total number of confirmed cases	27,368	
National incidence of confirmed cases per 100,000 population	574.73	
Number of cases hospitalised*	1,685	6.16
Number of cases admitted to ICU*	79	0.29
Number of deaths among confirmed cases	191	0.7
Case fatality ratio (CFR, %)	0.7	
National incidence of confirmed deaths per 100,000 population	4.01	
Number of cases** associated with clusters	3,433	12.54
Number of imported cases	22	0.08
Number of cases in healthcare workers	3,521	12.87
Males	12,704	46.42
Females	14,625	53.44
M:F ratio	0.87	
Median age (years)	41	
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
15/01/2021 - 28/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:52 on 29/01/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

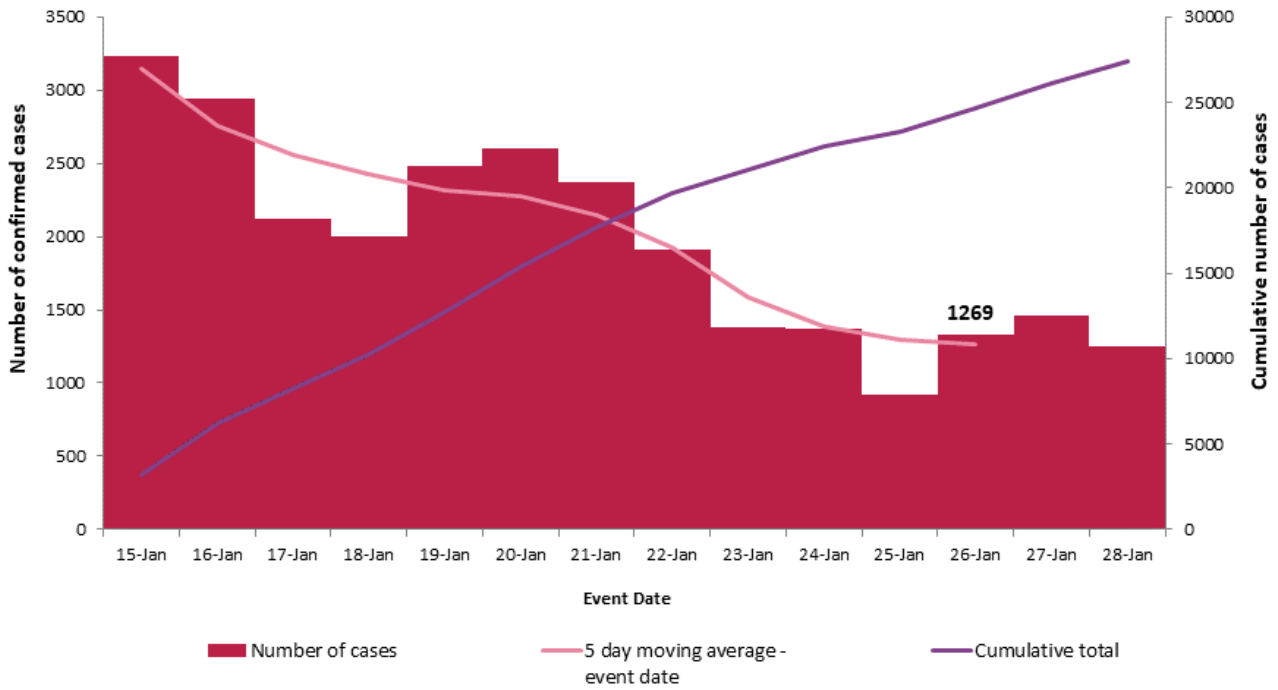


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=27,368)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 15/01/2021 up to midnight on 28/01/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		27,368	100
Sex	Male:Female ratio	0.87	
	Male	12,704	46.42
	Female	14,625	53.44
	Unknown	39	0.14
Age	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	661	2.42
	5-12 yrs	982	3.59
	13-18 yrs	1,401	5.12
	19-24 yrs	2,780	10.16
	25-34 yrs	4,703	17.18
	35-44 yrs	4,645	16.97
	45-54 yrs	4,456	16.28
	55-64 yrs	3,256	11.9
	65-74 yrs	1,620	5.92
	75-84 yrs	1,512	5.52
	85+ yrs	1,309	4.78
Unknown	43	0.16	
Underlying clinical conditions	Yes	1,684	6.15
	No	19,788	72.3
	Unknown	5,896	21.54
Symptom status at time of test*	Yes	17,649	64.49
	No	3,490	12.75
	Unknown	6,229	22.76

*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 15/01/2021 to midnight 28/01/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,391	611.1
CHO2	2285	504.3
CHO3	1884	489.4
CHO4	3,221	466.4
CHO5	3,077	602.9
CHO6	2173	567.1
CHO7	4,019	567.9
CHO8	3,656	590.4
CHO9	4,660	749.9
Unknown	2	
Total	27,368	574.7

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 15/01/2021 to midnight 28/01/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (24/01/2021-28/01/2021)
Monaghan	751	1223.4	45
Louth	1,147	889.9	57
Waterford	916	788.5	48
Carlow	447	785.1	22
Wexford	1,038	693.3	50
Dublin	9,135	678.0	421
Mayo	877	672.0	42
Cavan	461	605.2	14
Offaly	462	592.6	23
Meath	1,146	587.6	54
Limerick	1,108	568.5	49
Donegal	867	544.6	41
Kildare	1,194	536.6	49
Cork	2,815	518.5	128
Galway	1,241	480.9	56
Laois	394	465.2	17
Tipperary	717	449.4	29
Clare	449	377.9	20
Sligo	244	372.3	10
Westmeath	330	371.7	19
Longford	151	369.4	11
Wicklow	525	368.6	27
Kilkenny	304	306.4	13
Kerry	406	274.9	17
Roscommon	167	258.7	5
Leitrim	76	237.2	3
Total	27,368	574.7	1,269

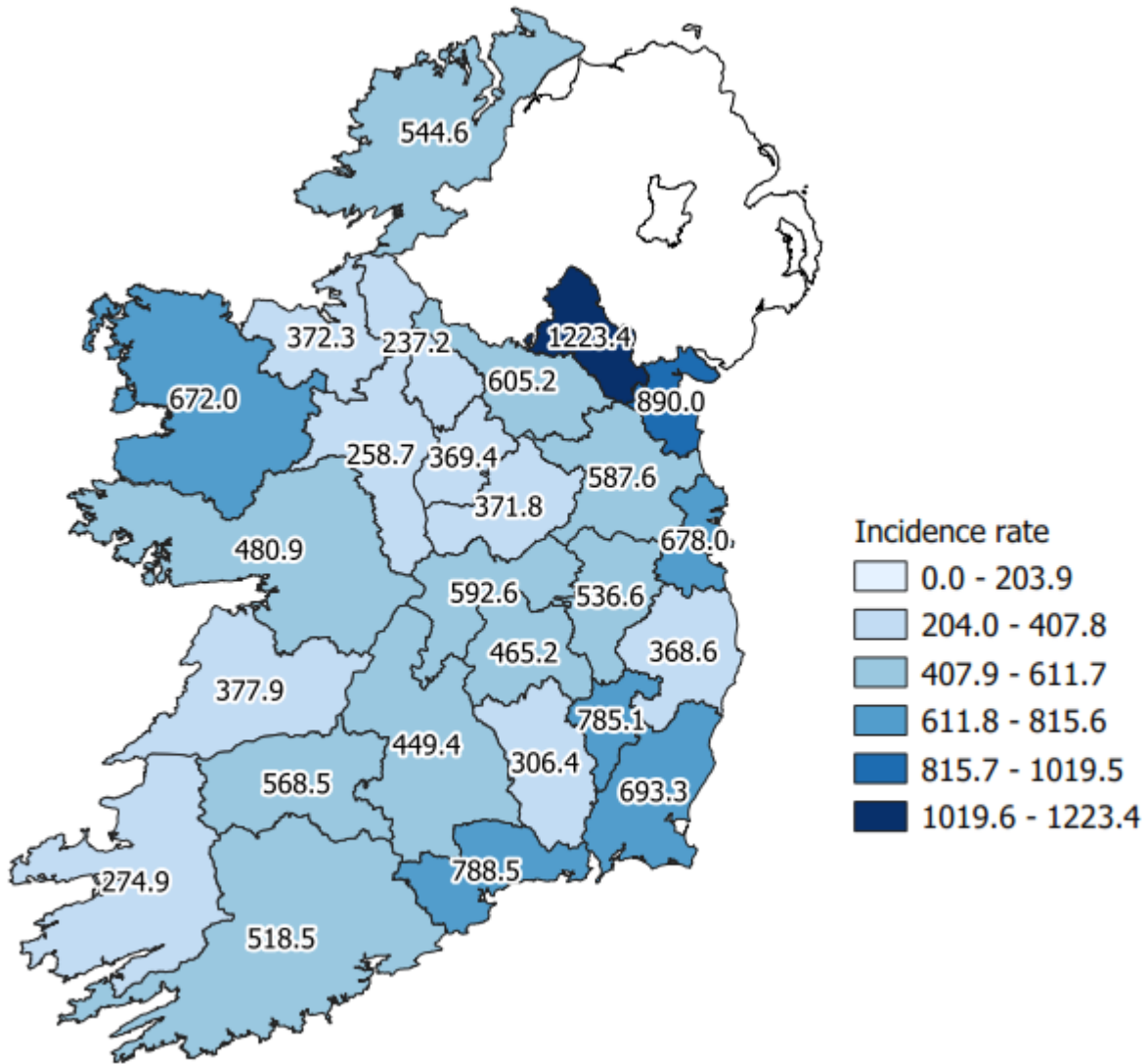


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 15/01/2021 and 28/01/2021

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 15/01/2021 and 28/01/2021

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	586	430.6
CCA2	Dublin South East	1,079	872.2
CCA3	Dublin South City	750	500.2
CCA4	Dublin South West	889	552.5
CCA5	Dublin West	1,170	753.2
CCA6	Dublin North West	1,870	900.5
CCA7	Dublin North Central	1,389	898.5
CCA8	Dublin North	1,401	540.6
	Unknown	1	
	Dublin	9,135	678.0

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.

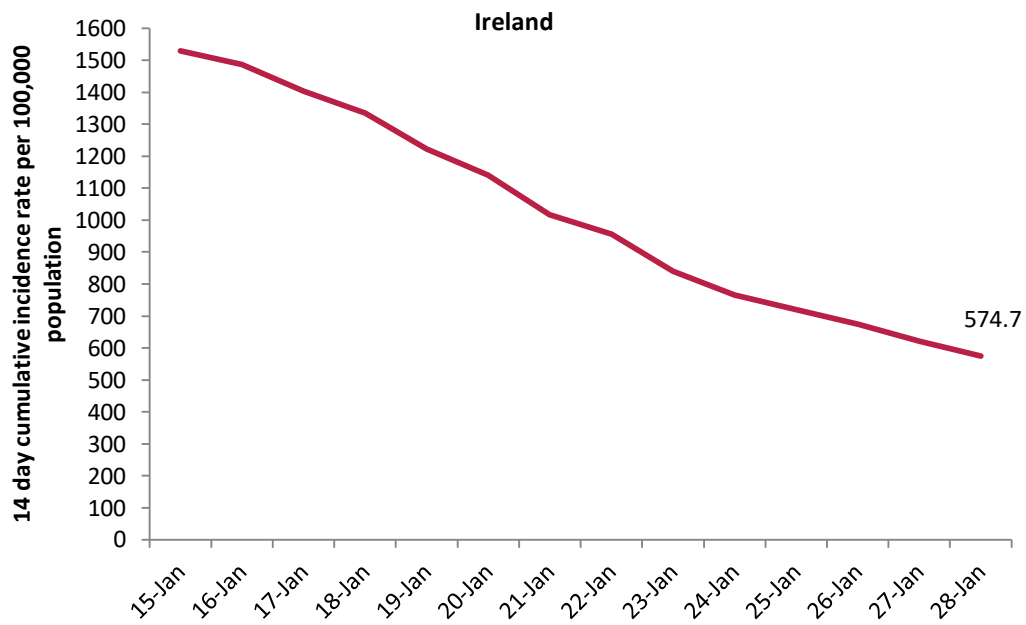


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (15/01/2021 to 28/01/2021)

*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 15/01/2021 to midnight 28/01/2021

Most likely transmission source	Number of cases	Percent
Travel related	141	0.52%
Close contact with a known confirmed case	9404	34.36%
Healthcare setting acquired: patient	1775	6.49%
Healthcare setting acquired: staff	1783	6.51%
Community transmission	4660	17.03%
Under investigation	9605	35.10%
Total	27,368	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 15/01/2021 to midnight 28/01/2021 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	661	15	0.89	0	0
5-12 yrs	982	11	0.65	0	0
13-18 yrs	1401	27	1.60	<5	
19-24 yrs	2780	66	3.92	<5	
25-34 yrs	4703	107	6.35	<5	
35-44 yrs	4645	126	7.48	9	11.39
45-54 yrs	4456	173	10.27	8	10.13
55-64 yrs	3256	210	12.46	25	31.65
65-74 yrs	1620	252	14.96	15	18.99
75-84 yrs	1512	407	24.15	14	17.72
85+ yrs	1309	291	17.27	2	2.53
Unknown	43			0	0
Total	27,368	1,685	100	79	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 15/01/2021 up to midnight 28/01/2021

	Number	Percent
Total number of deaths	196	
Confirmed	191	97.45
Probable	3	1.53
Possible	2	1.02
Total number of cases hospitalised	90	45.92
Number with underlying clinical conditions	118	60.2
Total number of male cases	98	50
M:F ratio	1	
Median age (years)	83.5	
Mean age (years)	82	
Age range (years)	30 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 15/01/2021 up to midnight 28/01/2021

Age group (years)	Female	Male	Total	Percent
25-54 yrs	*	*	4	2.04
55-64 yrs	*	*	9	4.59
65-74 yrs	10	14	24	12.24
75-84 yrs	32	40	72	36.73
85+ yrs	51	36	87	44.39
Total	98	98	196	100
Percent	50	50		

*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 07:52 on 29/01/2021. 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, 5-14 years, 15-24 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.

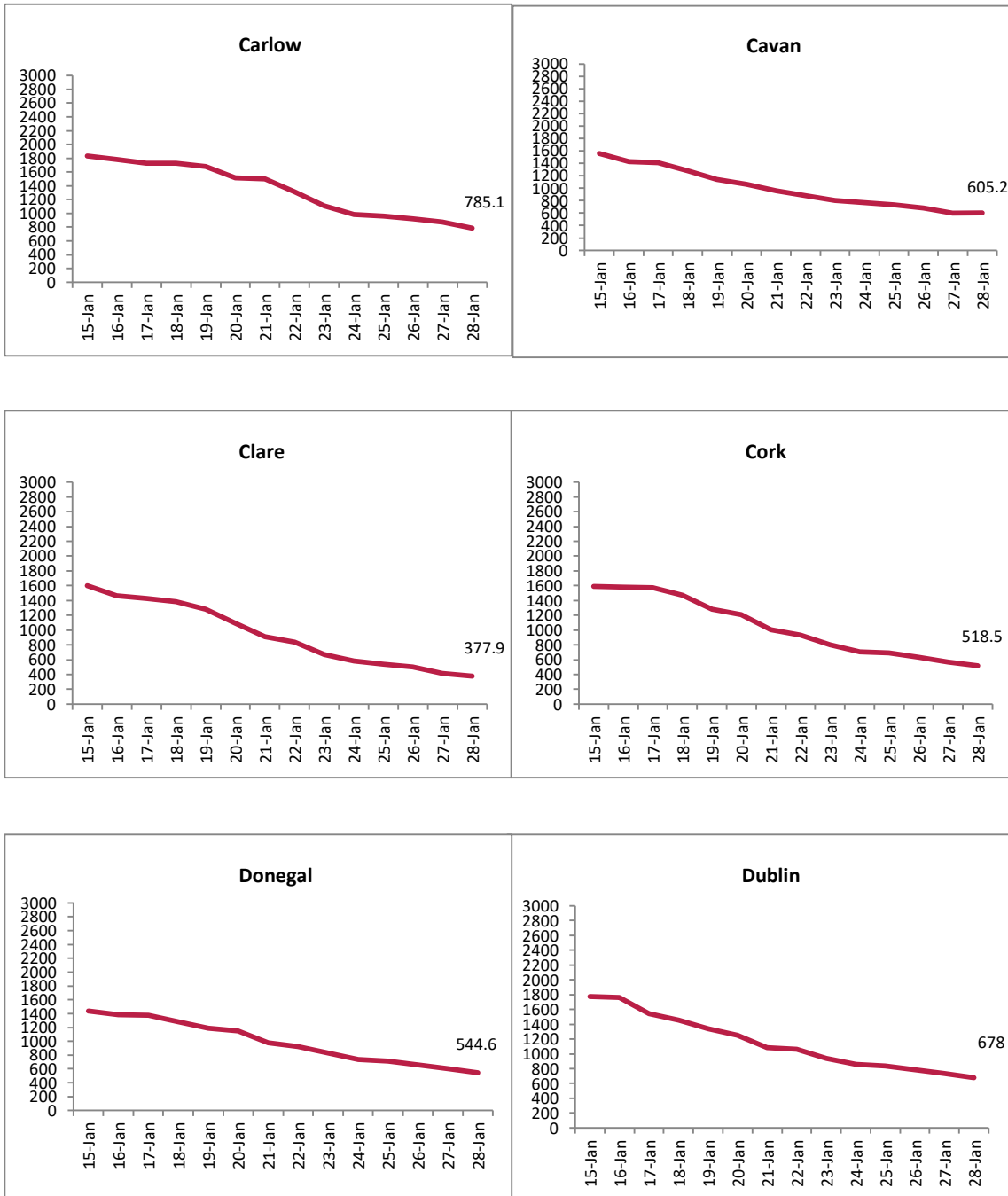
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

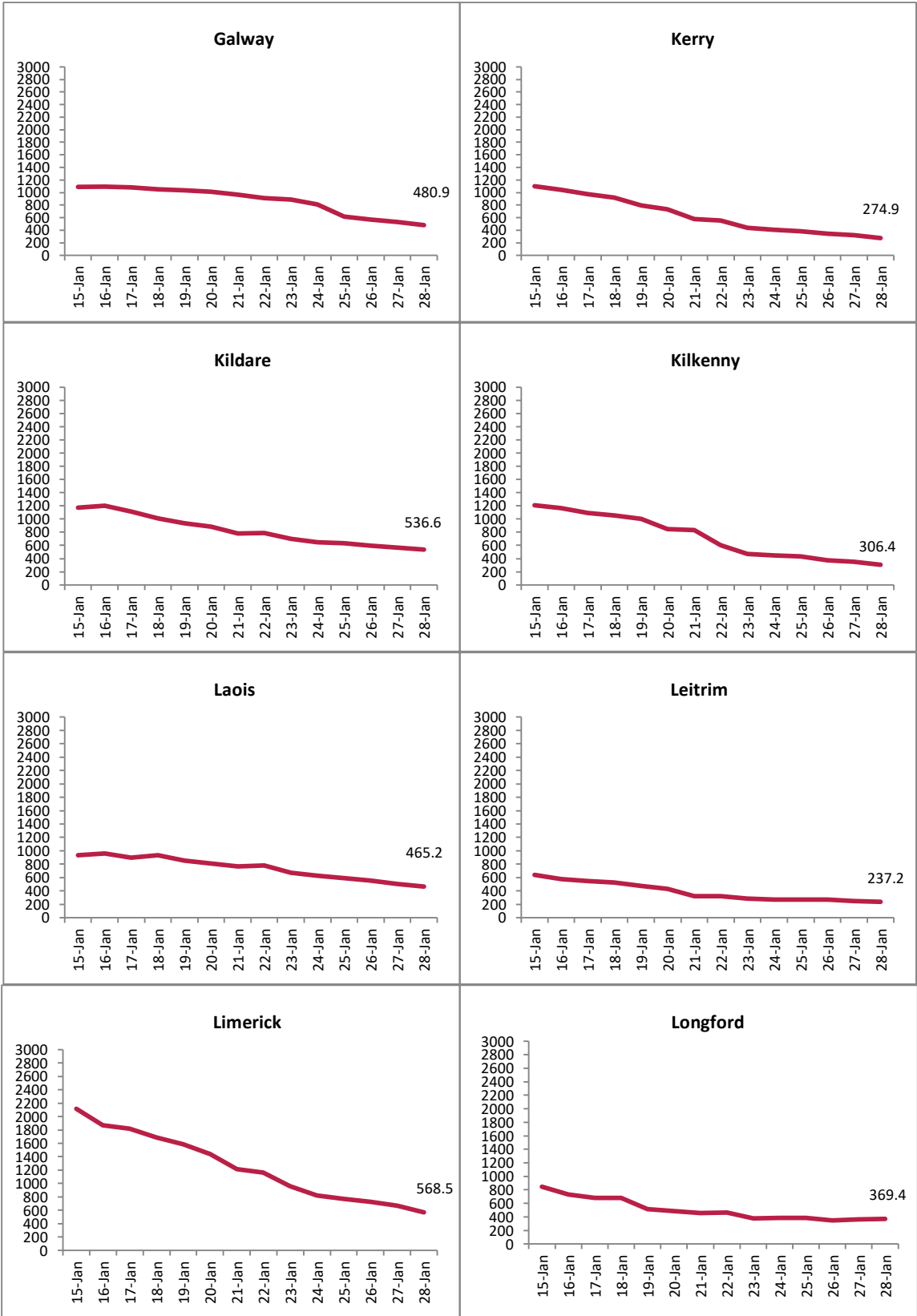
WHO definition of transmission classification is specified below:

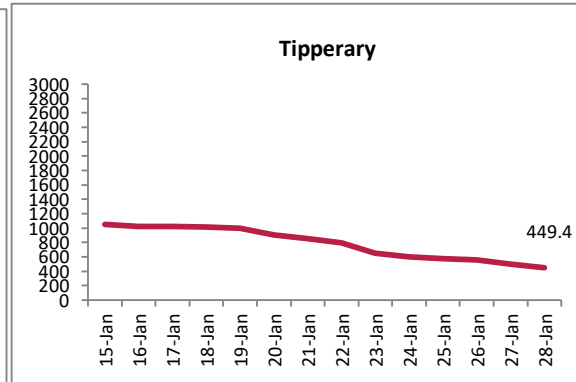
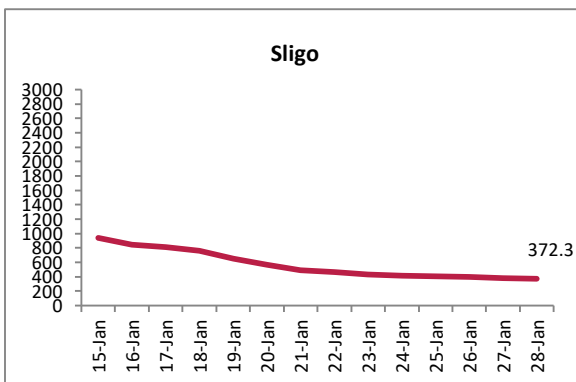
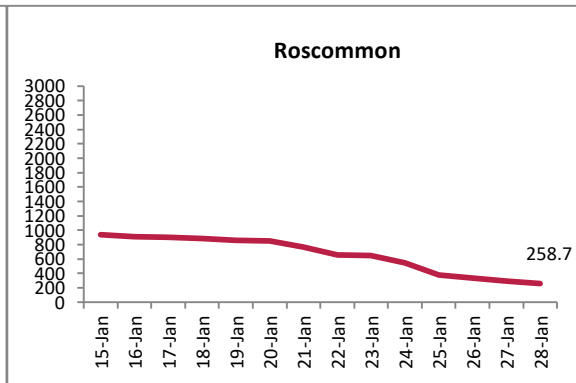
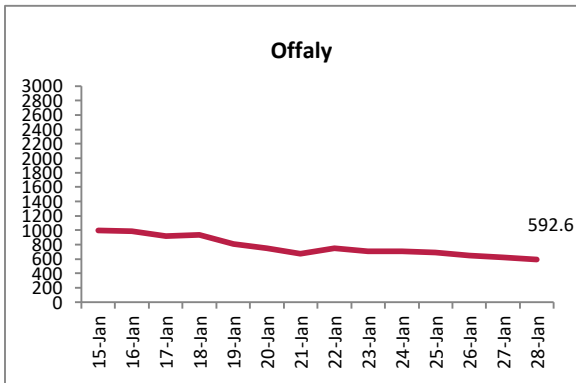
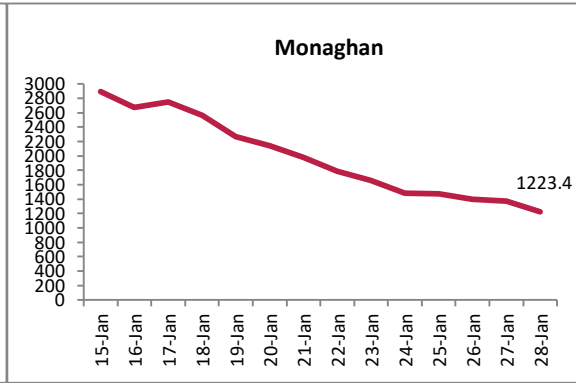
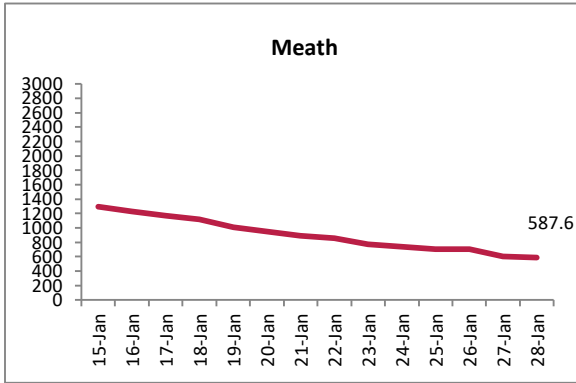
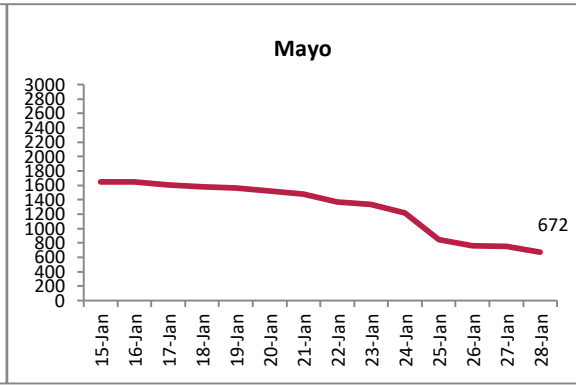
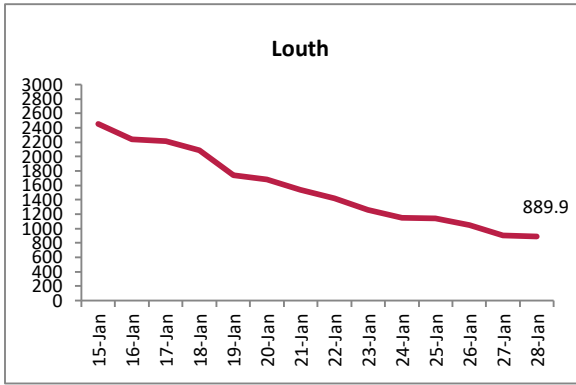
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (15/01/2021 to 28/01/2021)







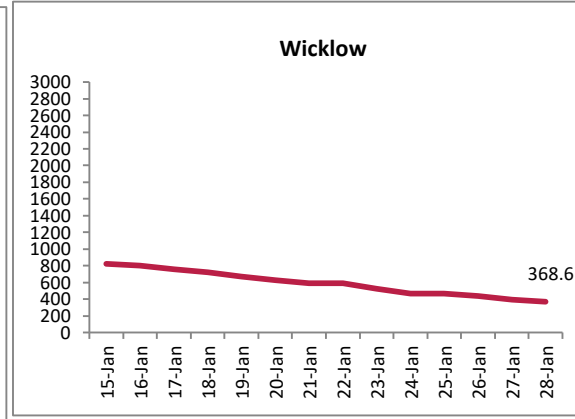
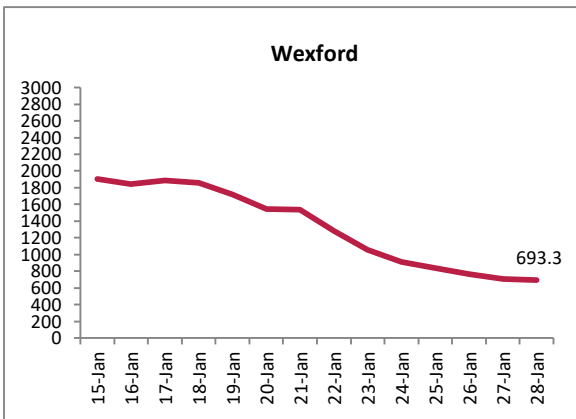
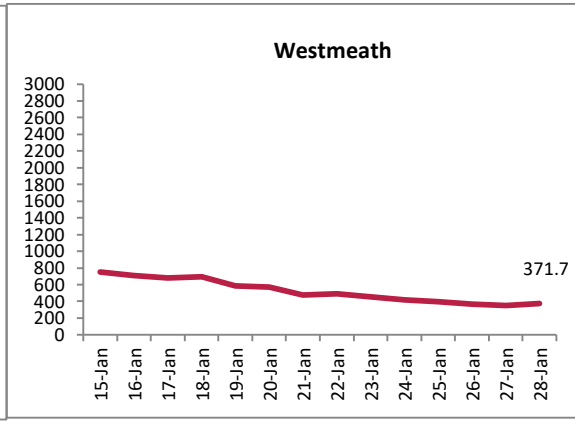
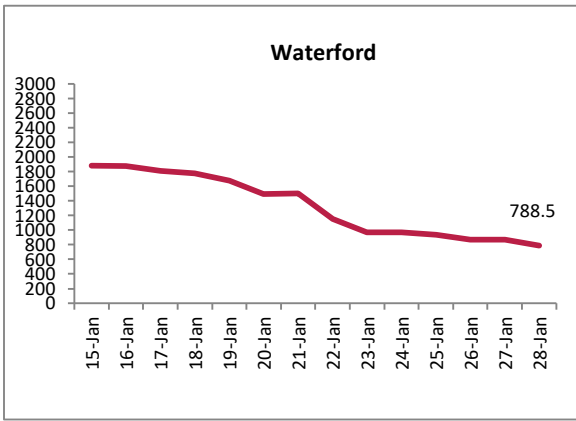


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (15/01/2021 to 28/01/2021)

