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## **Epidemiology of COVID-19 in Ireland - 14 day report Report prepared by HPSC on 02/02/2021**

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# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 02/02/2021

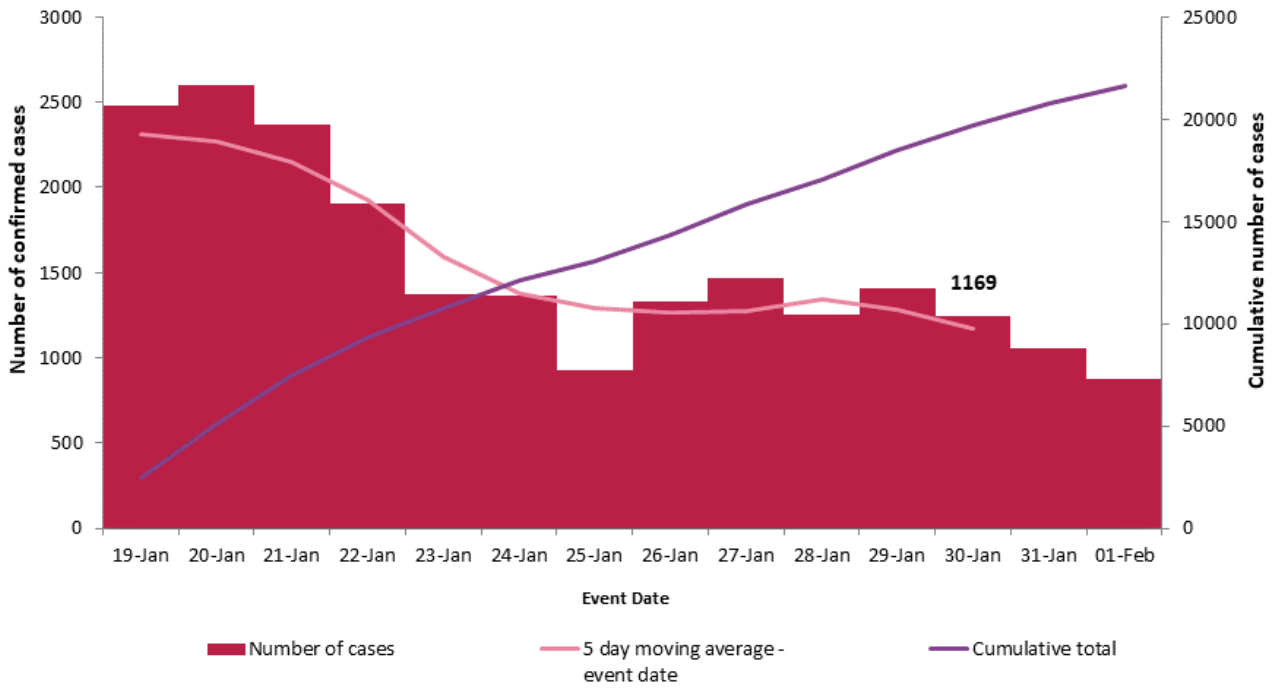
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 19/01/2021 up to midnight 01/02/2021

	Number	Percent
Total number of confirmed cases	21,668	
National incidence of confirmed cases per 100,000 population	455.03	
Number of cases hospitalised*	1,435	6.62
Number of cases admitted to ICU*	53	0.24
Number of deaths among confirmed cases	154	0.71
Case fatality ratio (CFR, %)	0.71	
National incidence of confirmed deaths per 100,000 population	3.23	
Number of cases** associated with clusters	3,041	14.03
Number of imported cases	20	0.09
Number of cases in healthcare workers	2,744	12.66
Males	10,140	46.8
Females	11,497	53.06
M:F ratio	0.88	
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  
19/01/2021 - 01/02/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:51 on 02/02/2021 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=21,668)**

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

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>21,668</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.88	
	Male	10,140	46.8
	Female	11,497	53.06
	Unknown	31	0.14
<b>Age</b>	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	565	2.61
	5-12 yrs	785	3.62
	13-18 yrs	1,125	5.19
	19-24 yrs	2,180	10.06
	25-34 yrs	3,676	16.97
	35-44 yrs	3,735	17.24
	45-54 yrs	3,465	15.99
	55-64 yrs	2,493	11.51
	65-74 yrs	1,289	5.95
	75-84 yrs	1,227	5.66
	85+ yrs	1,112	5.13
	Unknown	16	0.07
<b>Underlying clinical conditions</b>	Yes	1,554	7.17
	No	15,479	71.44
	Unknown	4,635	21.39
<b>Symptom status at time of test*</b>	Yes	13,988	64.56
	No	2,765	12.76
	Unknown	4,915	22.68

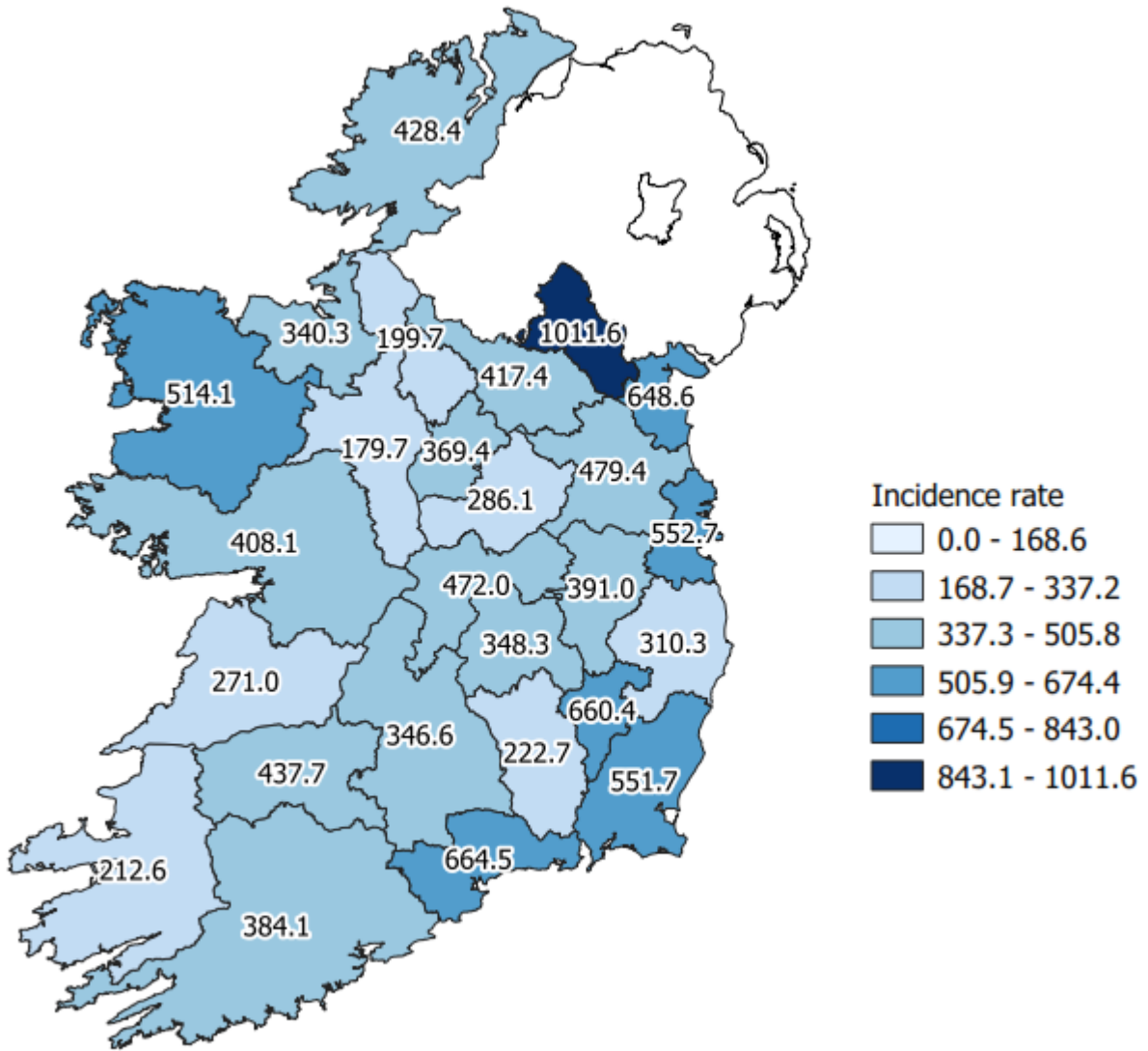
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

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

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,900	485.6
CHO2	1,840	406.1
CHO3	1,442	374.5
CHO4	2,399	347.4
CHO5	2,468	483.6
CHO6	1,738	453.6
CHO7	3,213	454.0
CHO8	2,860	461.8
CHO9	3,806	612.5
Unknown	2	
<b>Total</b>	<b>21,668</b>	<b>455.0</b>

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

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (28/01/2021-01/02/2021)
Monaghan	621	1011.6	28
Waterford	772	664.5	38
Carlow	376	660.4	17
Louth	836	648.6	37
Dublin	7,447	552.7	439
Wexford	826	551.7	55
Mayo	671	514.1	28
Meath	935	479.4	47
Offaly	368	472.0	16
Limerick	853	437.7	46
Donegal	682	428.4	34
Cavan	318	417.5	14
Galway	1,053	408.0	63
Kildare	870	391.0	46
Cork	2,085	384.1	109
Longford	151	369.4	8
Laois	295	348.3	19
Tipperary	553	346.6	27
Sligo	223	340.3	13
Wicklow	442	310.3	23
Westmeath	254	286.1	13
Clare	322	271.0	13
Kilkenny	221	222.7	9
Kerry	314	212.6	16
Leitrim	64	199.7	4
Roscommon	116	179.7	7
<b>Total</b>	<b>21,668</b>	<b>455.0</b>	<b>1,169</b>



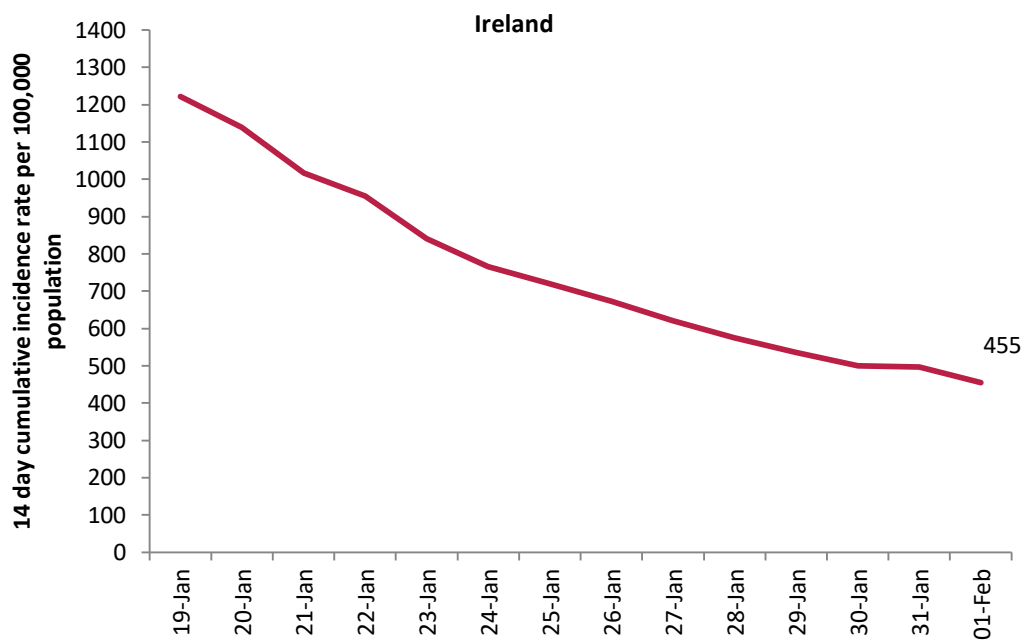
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 19/01/2021 and 01/02/2021**

*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 19/01/2021 and 01/02/2021**

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	451	331.4
CCA2	Dublin South East	858	693.6
CCA3	Dublin South City	557	371.5
CCA4	Dublin South West	698	433.8
CCA5	Dublin West	1,075	692.0
CCA6	Dublin North West	1,577	759.4
CCA7	Dublin North Central	1,126	728.4
CCA8	Dublin North	1,103	425.6
		2	
	<b>Dublin</b>	<b>7,447</b>	<b>552.7</b>

**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> 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\* (19/01/2021 to 01/02/2021)**

\*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 19/01/2021 to midnight 01/02/2021**

Most likely transmission source	Number of cases	Percent
Travel related	124	0.57%
Close contact with a known confirmed case	7,566	34.92%
Healthcare setting acquired: patient	1,498	6.91%
Healthcare setting acquired: staff	1,480	6.83%
Community transmission	3,930	18.14%
Under investigation	7,070	32.63%
<b>Total</b>	<b>21,668</b>	<b>100.00%</b>

\*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 19/01/2021 to midnight 01/02/2021 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	565	17	1.18	0	0
5-12 yrs	785	13	0.91	0	0
13-18 yrs	1,125	23	1.60	<5	
19-24 yrs	2,180	61	4.25	0	0
25-34 yrs	3,676	109	7.60	<5	
35-44 yrs	3,735	107	7.46	5	9.43
45-54 yrs	3,465	142	9.90	7	13.21
55-64 yrs	2,493	180	12.54	18	33.96
65-74 yrs	1,289	219	15.26	13	24.53
75-84 yrs	1,227	328	22.86	<5	
85+ yrs	1,112	236	16.45	<5	
Unknown	16			0	0
<b>Total</b>	<b>21,668</b>	<b>1,435</b>	<b>100</b>	<b>53</b>	<b>100</b>

\* 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 19/01/2021 up to midnight 01/02/2021

	Number	Percent
Total number of deaths	159	
Confirmed	154	96.86
Probable	1	0.63
Possible	4	2.52
Total number of cases hospitalised	72	45.28
Total number of male cases	77	48.43
M:F ratio	0.94	
Median age (years)	84	
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 19/01/2021 up to midnight 01/02/2021

Age group (years)	Female	Male	Total	Percent
19-44 yrs	*	*	3	1.89
55-64 yrs	*	*	6	3.77
65-74 yrs	9	8	17	10.69
75-84 yrs	24	32	56	35.22
85+ yrs	47	30	77	48.43
<b>Total</b>	<b>82</b>	<b>77</b>	<b>159</b>	<b>100</b>
<b>Percent</b>	<b>51.57</b>	<b>48.43</b>		

\* One or both numbers <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 07:51 on 02/02/2021. 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, 5-14 years, 15-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and  $\geq 85$  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.

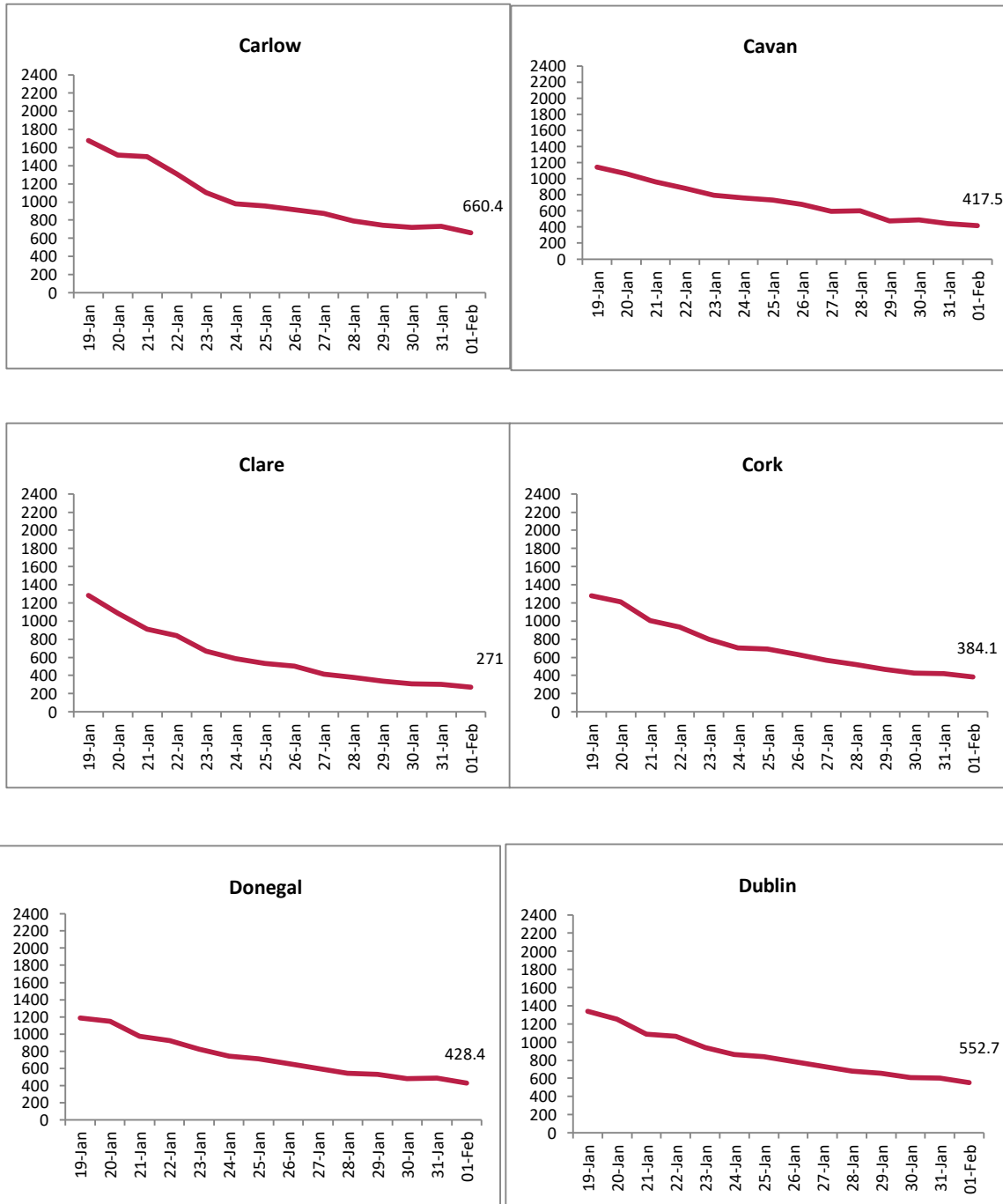
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

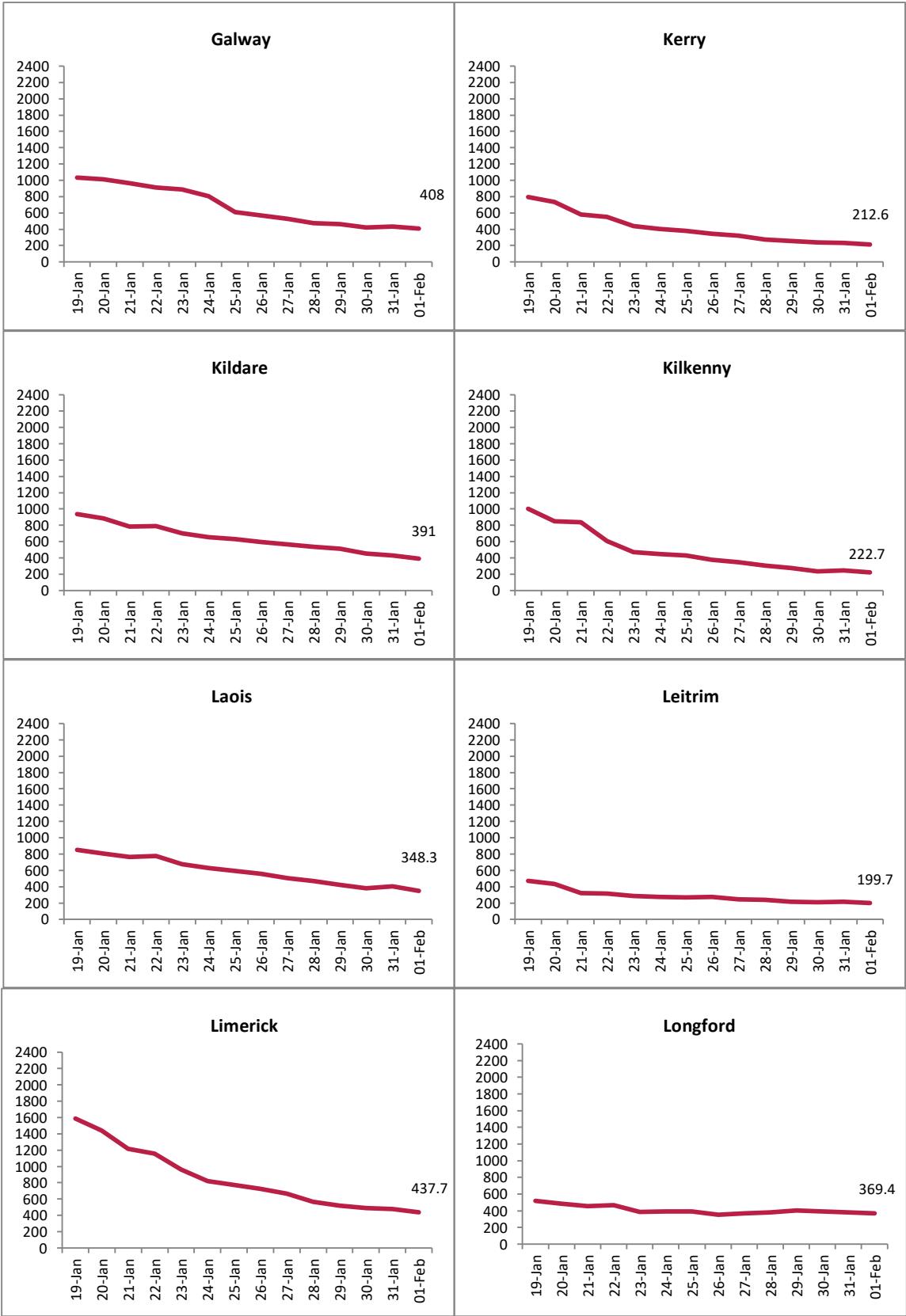
WHO definition of transmission classification is specified below:

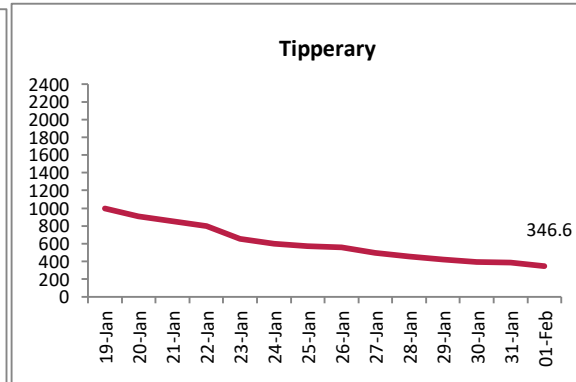
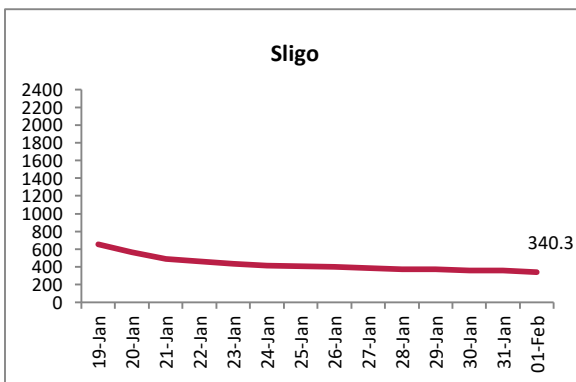
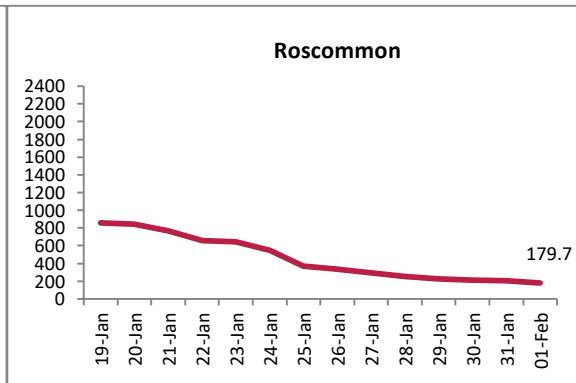
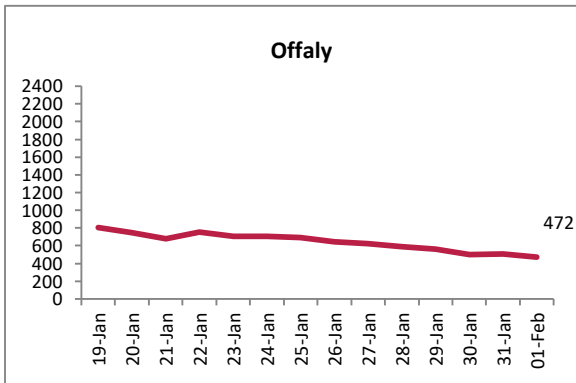
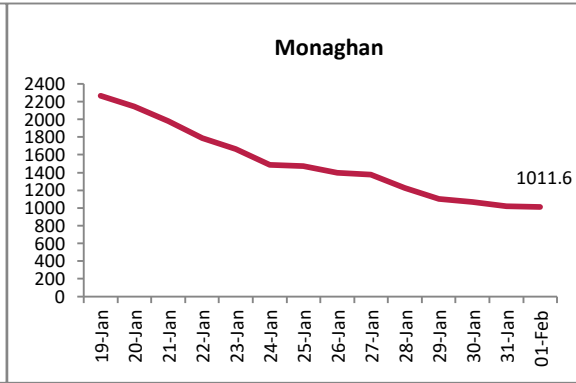
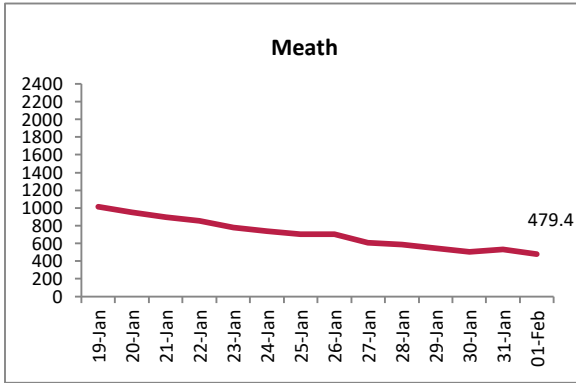
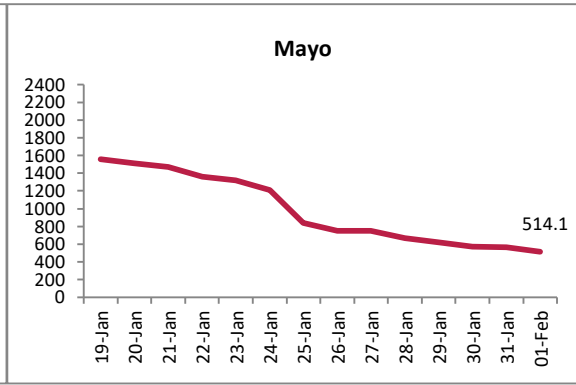
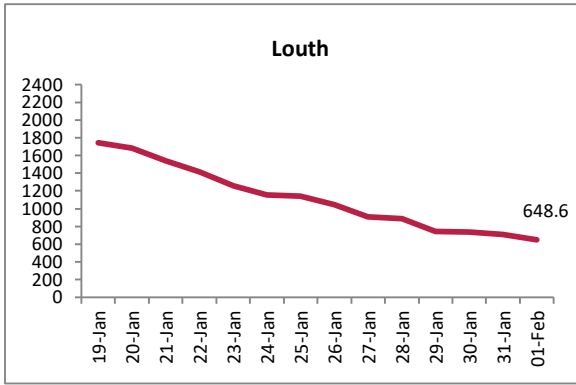
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicates locations where all cases have been acquired outside the location of reporting.

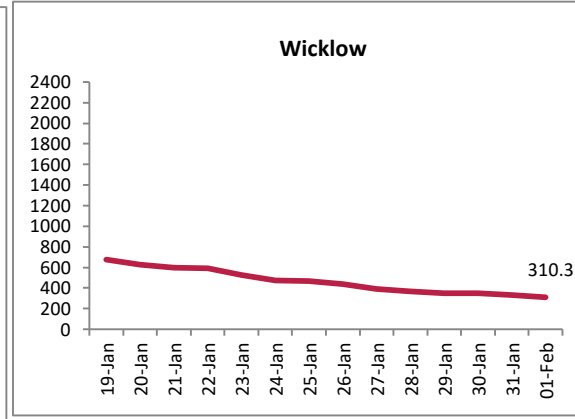
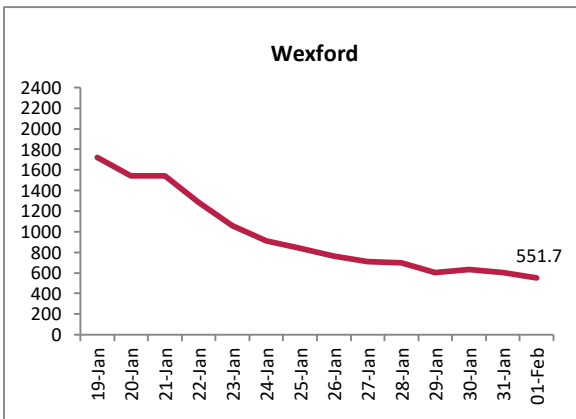
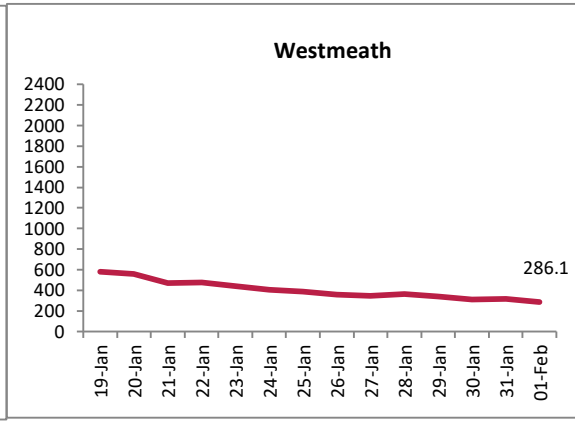
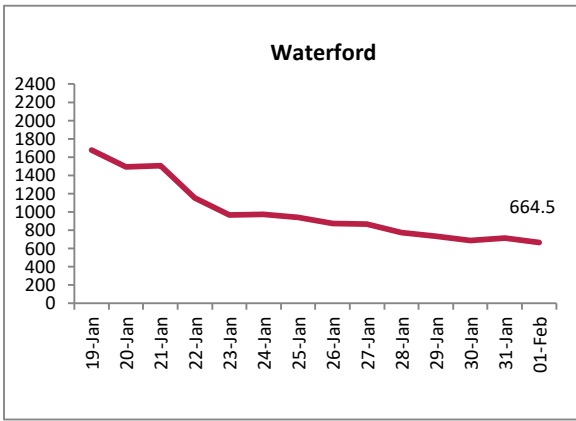
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (19/01/2021 to 01/02/2021)









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

