



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

Report prepared by HPSC on 01/02/2021

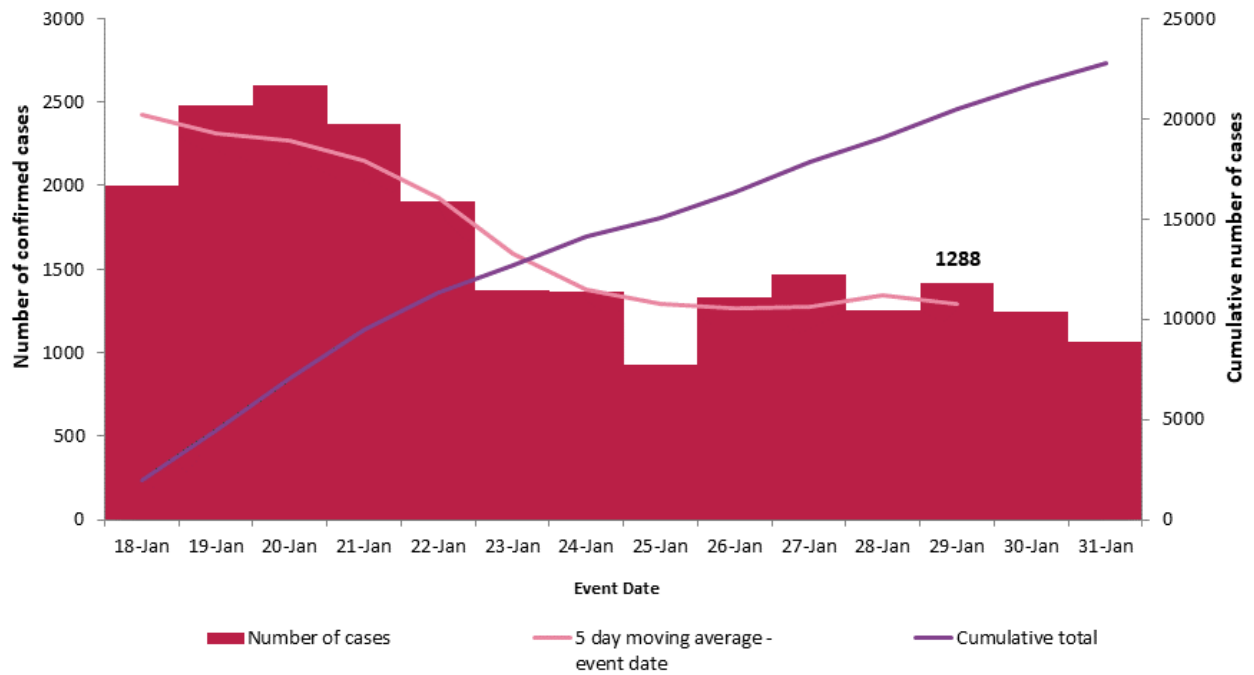
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 18/01/2021 up to midnight 31/01/2021

	Number	Percent
Total number of confirmed cases	22,794	
National incidence of confirmed cases per 100,000 population	478.68	
Number of cases hospitalised*	1,536	6.74
Number of cases admitted to ICU*	55	0.24
Number of deaths among confirmed cases	139	0.61
Case fatality ratio (CFR, %)	0.61	
National incidence of confirmed deaths per 100,000 population	2.92	
Number of cases** associated with clusters	2,764	12.13
Number of imported cases	22	0.1
Number of cases in healthcare workers	2,904	12.74
Males	10,608	46.54
Females	12,143	53.27
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  
18/01/2021 - 31/01/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:51 on 01/02/2021 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=22,794)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 18/01/2021 up to midnight on 31/01/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>22,794</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.87	
	Male	10,608	46.54
	Female	12,143	53.27
	Unknown	43	0.19
<b>Age</b>	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	588	2.58
	5-12 yrs	828	3.63
	13-18 yrs	1,178	5.17
	19-24 yrs	2,277	9.99
	25-34 yrs	3,900	17.11
	35-44 yrs	3,905	17.13
	45-54 yrs	3,649	16.01
	55-64 yrs	2,633	11.55
	65-74 yrs	1,380	6.05
	75-84 yrs	1,294	5.68
	85+ yrs	1,143	5.01
	Unknown	19	0.08
<b>Underlying clinical conditions</b>	Yes	1,576	6.91
	No	16,125	70.74
	Unknown	5,093	22.34
<b>Symptom status at time of test*</b>	Yes	14,505	63.64
	No	2,896	12.71
	Unknown	5,393	23.66

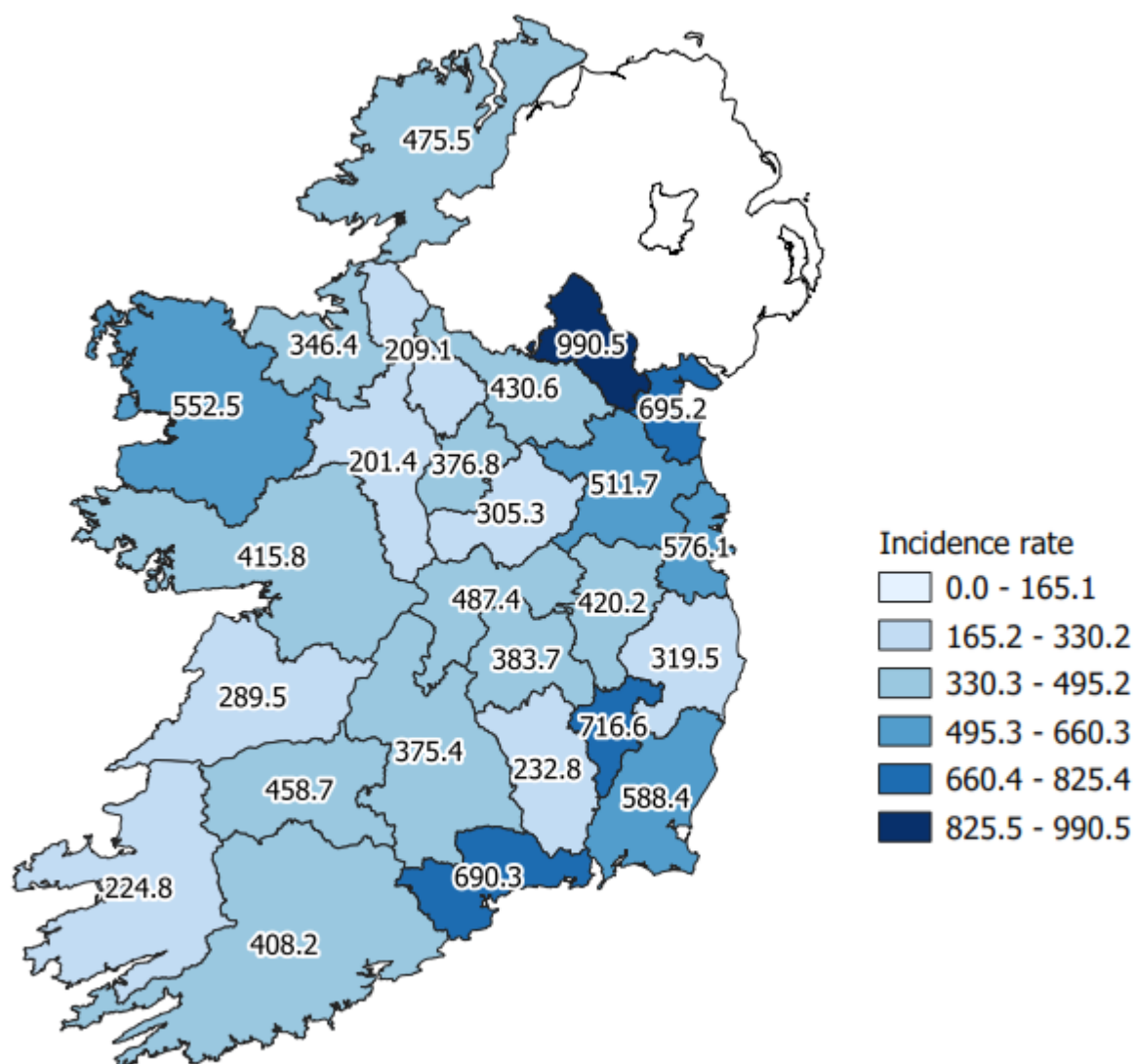
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 18/01/2021 to midnight 31/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,979	505.8
CHO2	1,924	424.6
CHO3	1,506	391.2
CHO4	2,548	369.0
CHO5	2,638	516.9
CHO6	1,807	471.6
CHO7	3,374	476.7
CHO8	3,047	492.0
CHO9	3,971	639.0
Unknown	0	
<b>Total</b>	<b>22,794</b>	<b>478.7</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 18/01/2021 to midnight 31/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (27/01/2021-31/01/2021)
Monaghan	608	990.5	34
Carlow	408	716.6	21
Louth	896	695.2	44
Waterford	802	690.3	49
Wexford	881	588.4	60
Dublin	7,762	576.1	457
Mayo	721	552.5	44
Meath	998	511.7	48
Offaly	380	487.4	16
Donegal	757	475.5	44
Limerick	894	458.7	53
Cavan	328	430.6	14
Kildare	935	420.2	52
Galway	1,073	415.8	69
Cork	2,216	408.2	116
Laois	325	383.7	19
Longford	154	376.8	10
Tipperary	599	375.4	30
Sligo	227	346.4	15
Wicklow	455	319.5	25
Westmeath	271	305.3	14
Clare	344	289.5	15
Kilkenny	231	232.8	10
Kerry	332	224.8	17
Leitrim	67	209.1	4
Roscommon	130	201.4	9
<b>Total</b>	<b>23,856</b>	<b>501.0</b>	<b>1,288</b>



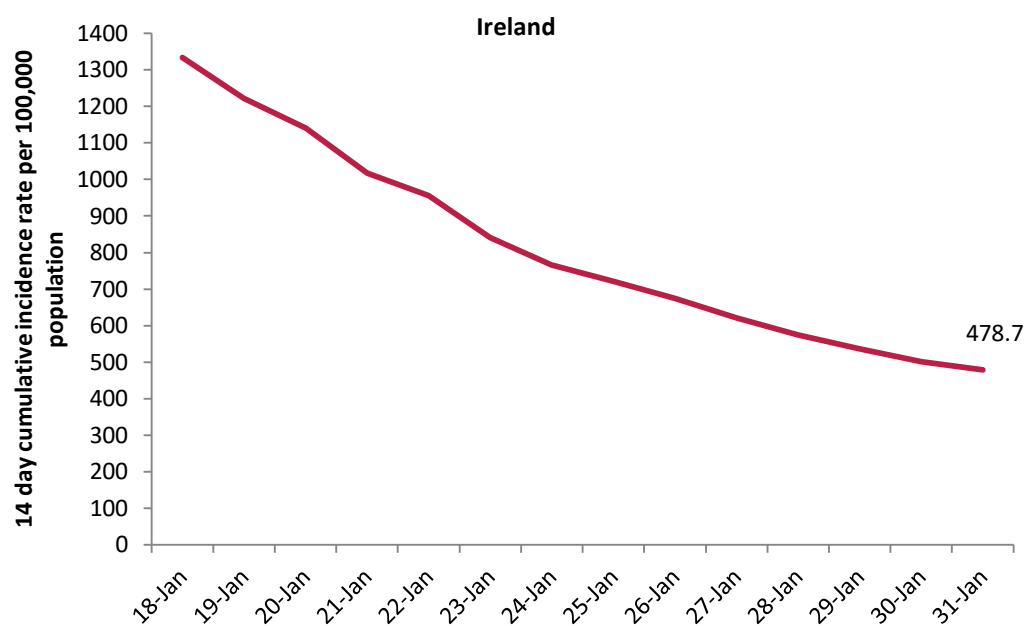
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 18/01/2021 and 31/01/2021**

*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 18/01/2021 and 31/01/2021**

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	464	341.0
CCA2	Dublin South East	902	729.2
CCA3	Dublin South City	594	396.2
CCA4	Dublin South West	736	457.4
CCA5	Dublin West	1,095	704.9
CCA6	Dublin North West	1,671	804.6
CCA7	Dublin North Central	1,160	750.4
CCA8	Dublin North	1,140	439.9
<b>Dublin</b>		<b>7,762</b>	<b>576.1</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\* (18/01/2021 to 31/01/2021)**

\*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 18/01/2021 to midnight 31/01/2021**

Most likely transmission source	Number of cases	Percent
Travel related	130	0.57%
Close contact with a known confirmed case	7,692	33.75%
Healthcare setting acquired: patient	1,580	6.93%
Healthcare setting acquired: staff	1,523	6.68%
Community transmission	4,048	17.76%
Under investigation	7,821	34.31%
<b>Total</b>	<b>22,794</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 18/01/2021 to midnight 31/01/2021 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	588	17	1.11	0	0
5-12 yrs	828	10	0.65	0	0
13-18 yrs	1,178	24	1.56	<5	
19-24 yrs	2,277	61	3.97	0	0
25-34 yrs	3,900	111	7.23	<5	
35-44 yrs	3,905	116	7.55	8	14.55
45-54 yrs	3,649	151	9.83	5	9.09
55-64 yrs	2,633	198	12.89	17	30.91
65-74 yrs	1,380	235	15.30	13	23.64
75-84 yrs	1,294	359	23.37	6	10.91
85+ yrs	1,143	254	16.54	<5	
Unknown	19			0	0
<b>Total</b>	<b>22,794</b>	<b>1,536</b>	<b>100</b>	<b>55</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 18/01/2021 up to midnight 31/01/2021

	Number	Percent
Total number of deaths	143	
Confirmed	139	97.2
Probable	3	2.1
Possible	1	0.7
Total number of cases hospitalised	70	48.95
Total number of male cases	70	48.95
M:F ratio	0.96	
Median age (years)	84	
Mean age (years)	83	
Age range (years)	30 - 101	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 18/01/2021 up to midnight 31/01/2021

Age group (years)	Female	Male	Total	Percent
25-64 yrs	*	*	7	4.9
65-74 yrs	8	7	15	10.49
75-84 yrs	24	31	55	38.46
85+ yrs	39	27	66	46.15
<b>Total</b>	<b>73</b>	<b>70</b>	<b>143</b>	<b>100</b>
<b>Percent</b>	<b>51.05</b>	<b>48.95</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 01/02/2021. 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.

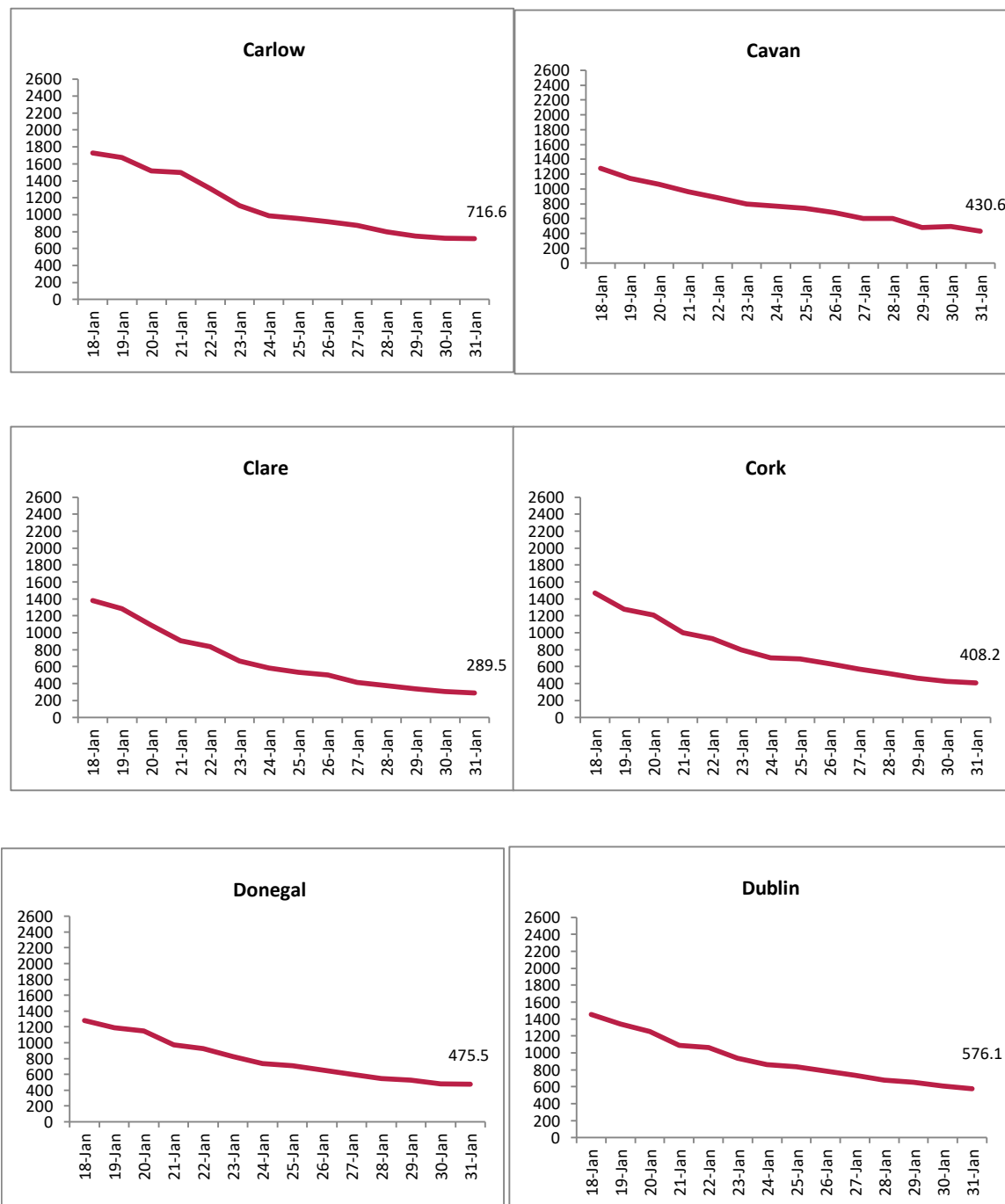
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

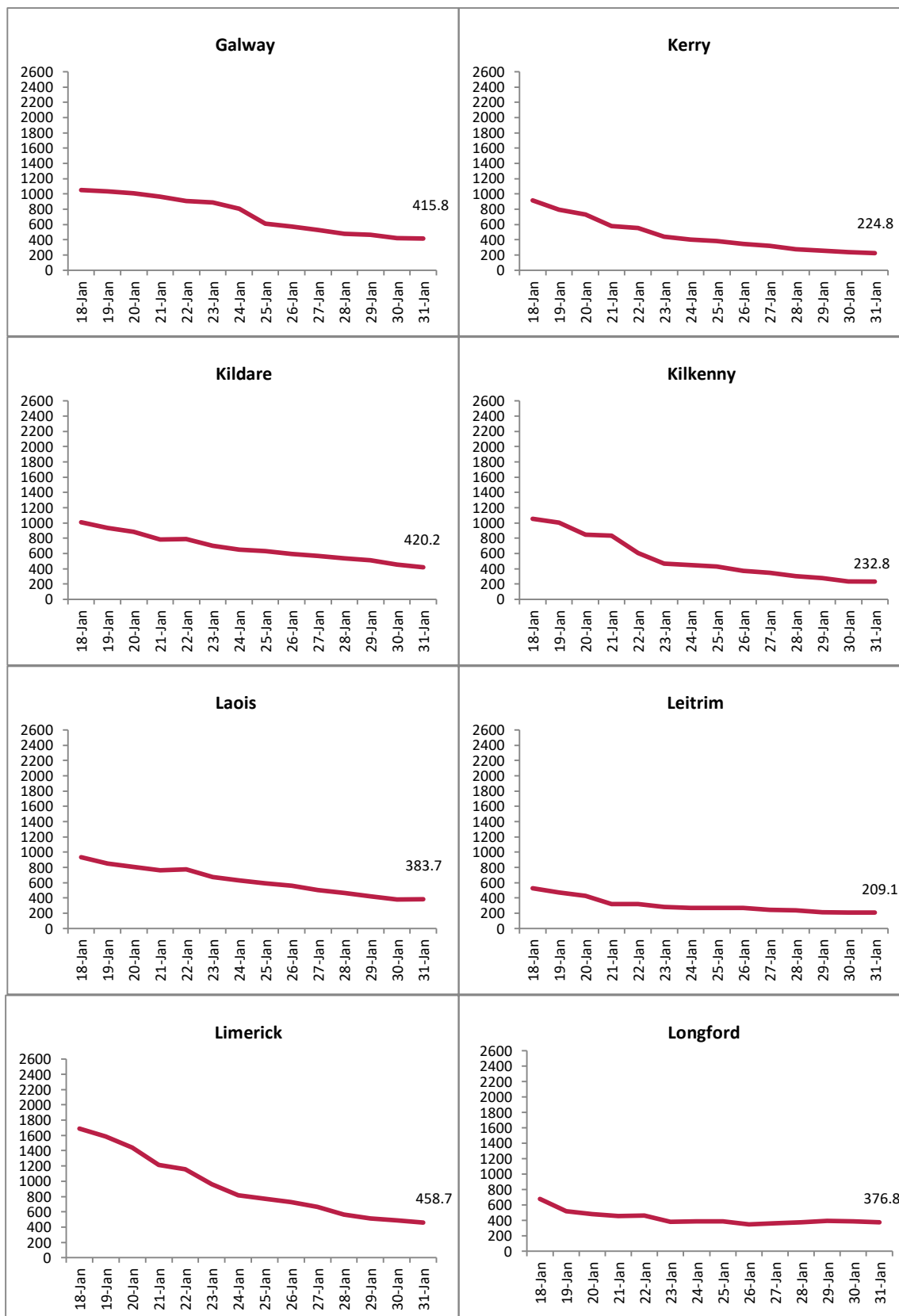
WHO definition of transmission classification is specified below:

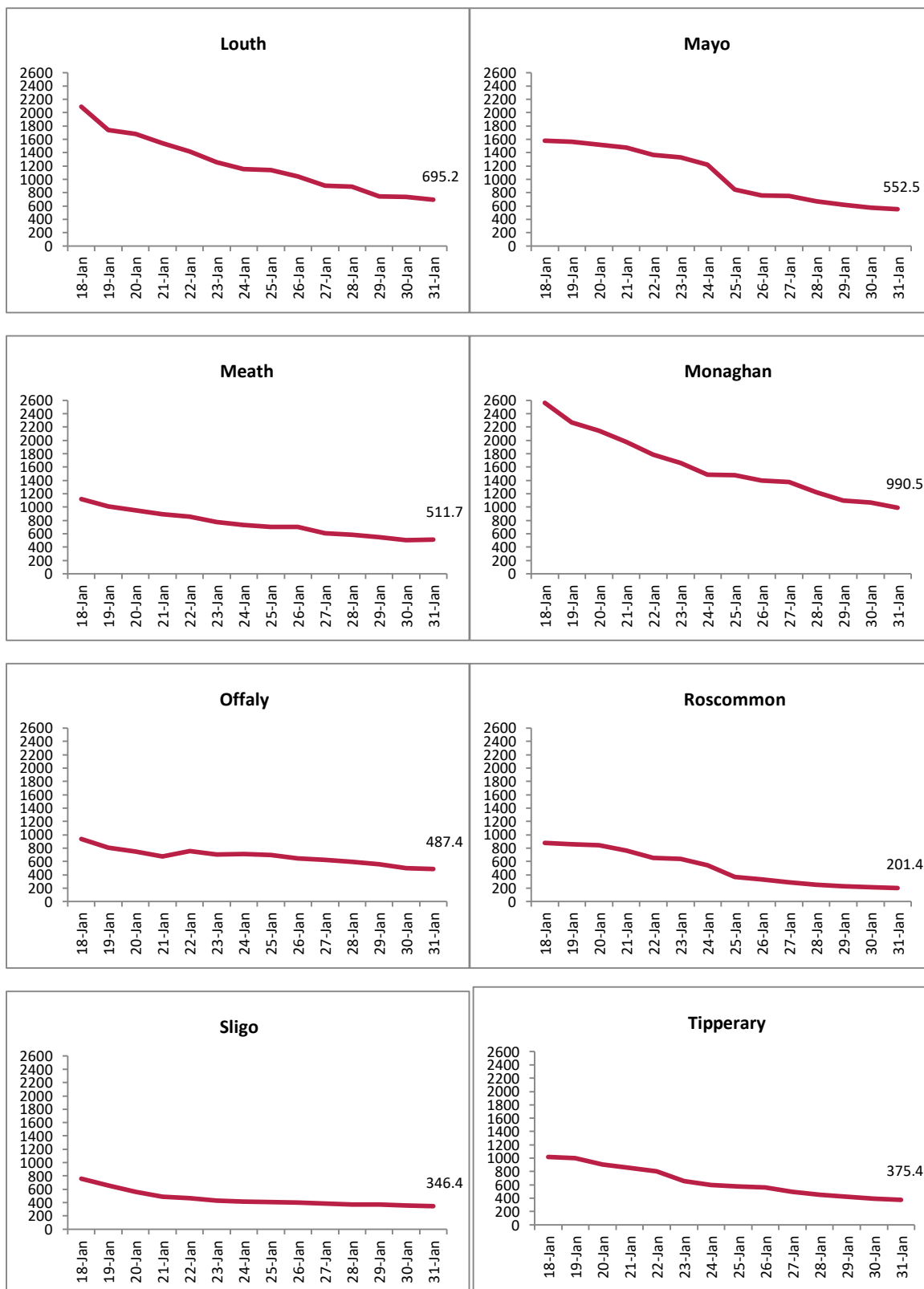
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (18/01/2021 to 31/01/2021)







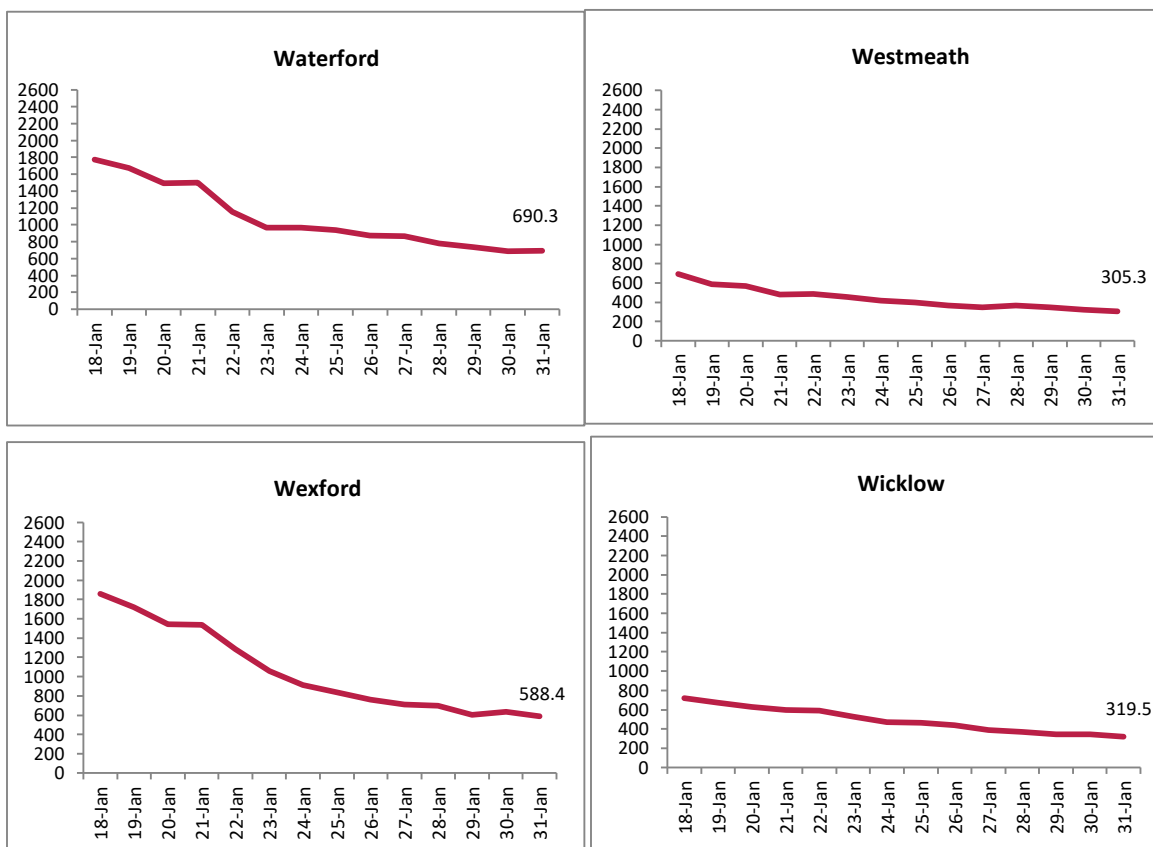


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (18/01/2021 to 31/01/2021)

