



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

Report prepared by HPSC on 30/01/2021

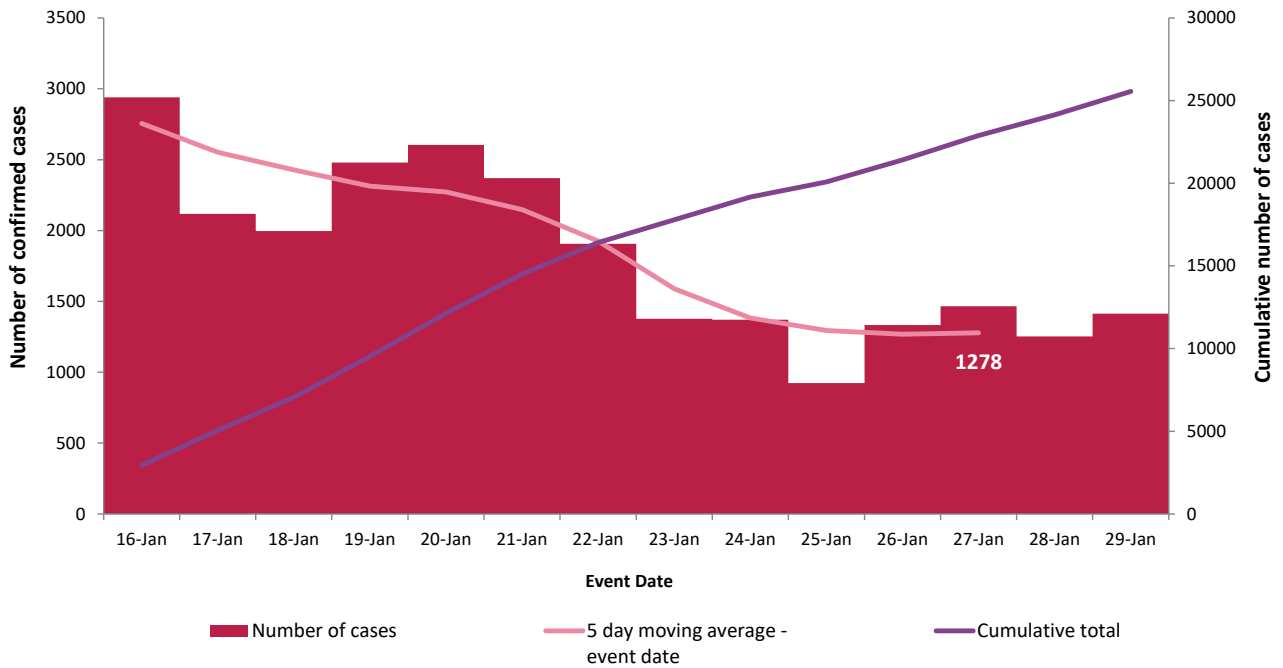
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 16/01/2021 up to midnight 29/01/2021

	Number	Percent
Total number of confirmed cases	25,551	
National incidence of confirmed cases per 100,000 population	536.58	
Number of cases hospitalised*	1,582	6.19
Number of cases admitted to ICU*	71	0.28
Number of deaths among confirmed cases	187	0.73
Case fatality ratio (CFR, %)	0.73	
National incidence of confirmed deaths per 100,000 population	3.93	
Number of cases** associated with clusters	3,371	13.19
Number of imported cases	22	0.09
Number of cases in healthcare workers	3,254	12.74
Males	11,877	46.48
Females	13,641	53.39
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  
16/01/2021 - 29/01/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 11:03 on 30/01/2021 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=25,551)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 16/01/2021 up to midnight on 29/01/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>25,551</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.87	
	Male	11,877	46.48
	Female	13,641	53.39
	Unknown	33	0.13
<b>Age</b>	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	636	2.49
	5-12 yrs	935	3.66
	13-18 yrs	1,319	5.16
	19-24 yrs	2,606	10.2
	25-34 yrs	4,406	17.24
	35-44 yrs	4,355	17.04
	45-54 yrs	4,118	16.12
	55-64 yrs	3,003	11.75
	65-74 yrs	1,516	5.93
	75-84 yrs	1,410	5.52
	85+ yrs	1,210	4.74
Unknown	37	0.14	
<b>Underlying clinical conditions</b>	Yes	1,603	6.27
	No	18,214	71.28
	Unknown	5,734	22.44
<b>Symptom status at time of test*</b>	Yes	16,258	63.63
	No	3,247	12.71
	Unknown	6,046	23.66

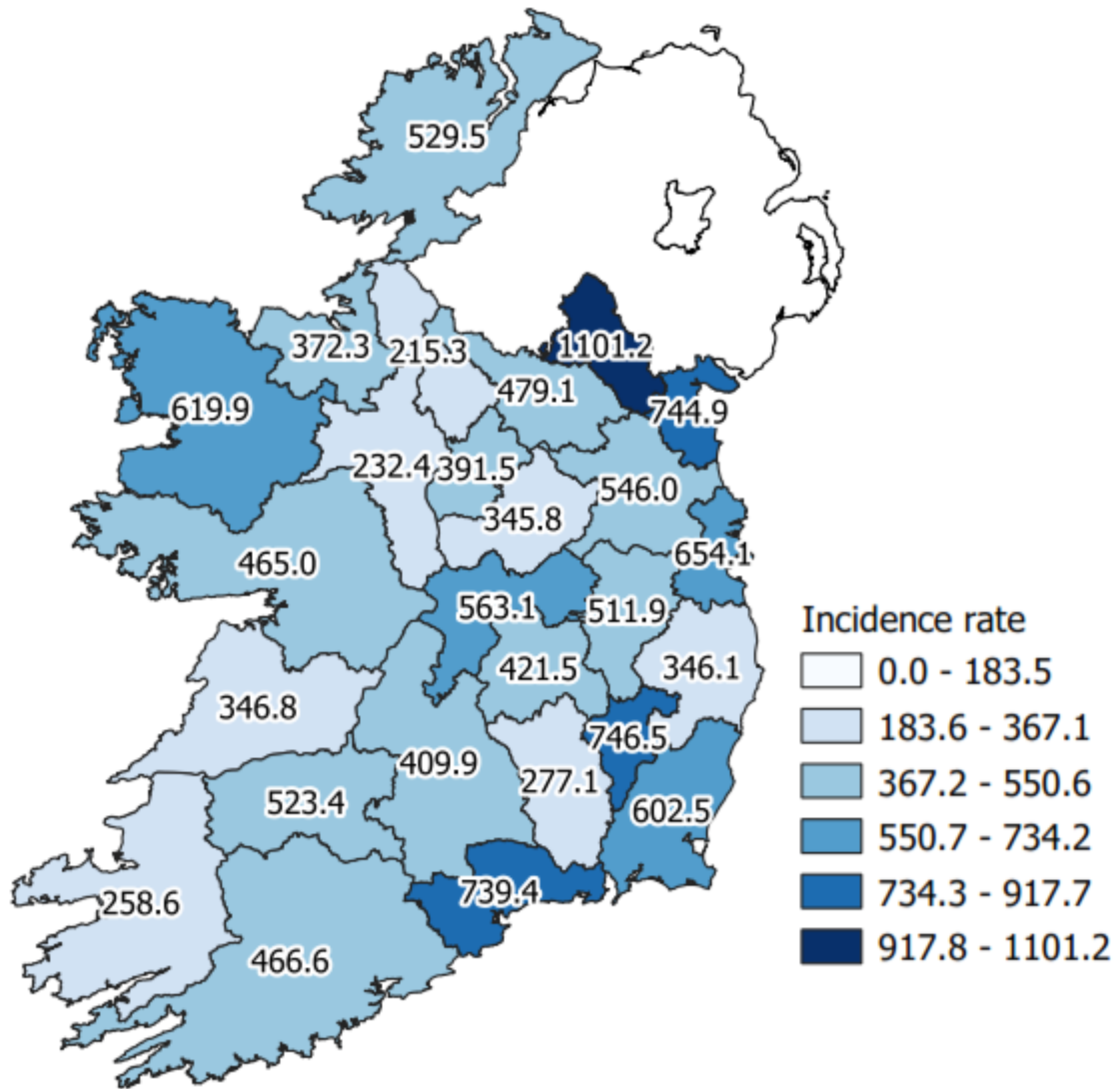
\*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

**Table 2: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 16/01/2021 to midnight 29/01/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	2,189	559.4
CHO2	2159	476.5
CHO3	1744	453.0
CHO4	2,915	422.1
CHO5	2,785	545.7
CHO6	2060	537.6
CHO7	3,927	554.9
CHO8	3,314	535.1
CHO9	4,458	717.4
Unknown	0	
<b>Total</b>	<b>25,551</b>	<b>536.6</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 16/01/2021 to midnight 29/01/2021**

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (25/01/2021-29/01/2021)
Monaghan	676	1101.2	36
Carlow	425	746.5	28
Louth	960	744.9	54
Waterford	859	739.4	44
Dublin	8,813	654.1	442
Mayo	809	619.9	42
Wexford	902	602.4	36
Offaly	439	563.1	21
Meath	1,065	546.0	58
Donegal	843	529.5	49
Limerick	1,020	523.3	50
Kildare	1,139	511.9	47
Cavan	365	479.2	15
Cork	2,533	466.6	116
Galway	1,200	465.0	70
Laois	357	421.5	14
Tipperary	654	409.9	28
Longford	160	391.5	12
Sligo	244	372.3	13
Clare	412	346.8	20
Wicklow	493	346.1	24
Westmeath	307	345.8	17
Kilkenny	275	277.1	12
Kerry	382	258.6	19
Roscommon	150	232.4	7
Leitrim	69	215.3	4
<b>Total</b>	<b>25,551</b>	<b>536.6</b>	<b>1,278</b>



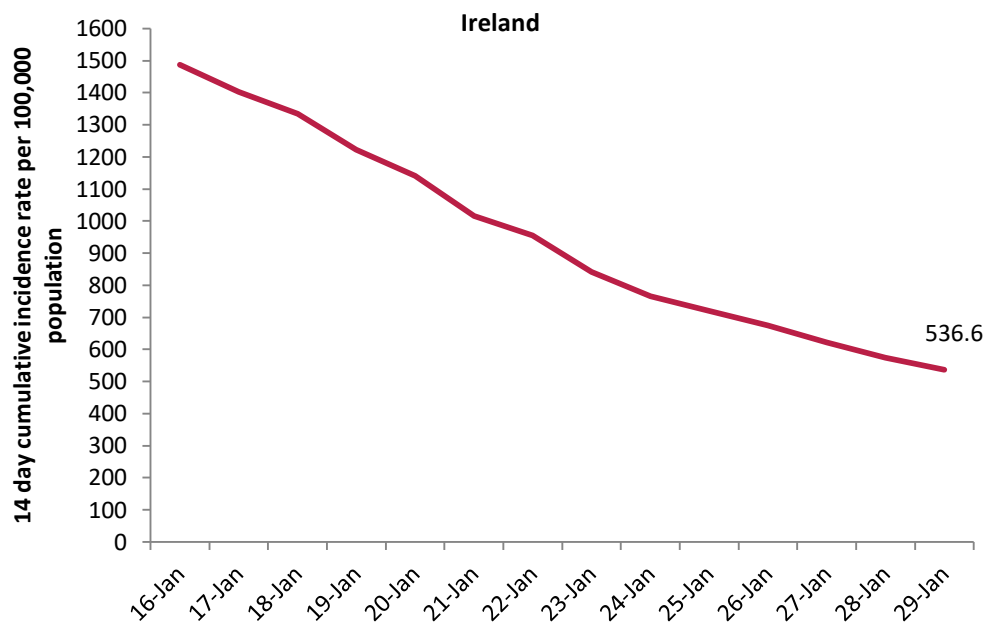
**Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 16/01/2021 and 29/01/2021**

*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 16/01/2021 and 29/01/2021**

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	541	397.6
CCA2	Dublin South East	1,041	841.5
CCA3	Dublin South City	712	474.9
CCA4	Dublin South West	854	530.8
CCA5	Dublin West	1,207	777.0
CCA6	Dublin North West	1,820	876.4
CCA7	Dublin North Central	1,324	856.5
CCA8	Dublin North	1,314	507.0
	<b>Dublin</b>	<b>8813</b>	<b>654.1</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\* (16/01/2021 to 29/01/2021)**

\*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 16/01/2021 to midnight 29/01/2021**

Most likely transmission source	Number of cases	Percent
Travel related	129	0.50%
Close contact with a known confirmed case	8644	33.83%
Healthcare setting acquired: patient	1664	6.51%
Healthcare setting acquired: staff	1689	6.61%
Community transmission	4356	17.05%
Under investigation	9069	35.49%
<b>Total cases with known most likely transmission source</b>	<b>16482</b>	
<b>Total</b>	<b>25551</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 16/01/2021 to midnight 29/01/2021 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	636	17	1.07	0	0
5-12 yrs	935	11	0.69	0	0
13-18 yrs	1319	28	1.77	<5	
19-24 yrs	2606	62	3.92	<5	
25-34 yrs	4406	110	6.95	<5	
35-44 yrs	4355	122	7.71	8	11.27
45-54 yrs	4118	156	9.86	6	8.45
55-64 yrs	3003	205	12.96	25	35.21
65-74 yrs	1516	238	15.04	15	21.13
75-84 yrs	1410	373	23.58	10	14.08
85+ yrs	1210	260	16.43	<5	
Unknown	37			0	0
<b>Total</b>	<b>25,551</b>	<b>1582</b>	<b>100</b>	<b>71</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 16/01/2021 up to midnight 29/01/2021

	Number	Percent
Total number of deaths	191	
Confirmed	187	97.91
Probable	3	1.57
Possible	1	0.52
Total number of cases hospitalised	88	46.07
Total number of male cases	96	50.26
M:F ratio	1.01	
Median age (years)	84	
Mean age (years)	82	
Age range (years)	30 - 99	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 16/01/2021 up to midnight 29/01/2021

Age group (years)	Female	Male	Total	Percent
25-64 yrs	*	*	12	6.28
65-74 yrs	9	12	21	10.99
75-84 yrs	33	42	75	39.27
85+ yrs	49	34	83	43.46
<b>Total</b>	<b>95</b>	<b>96</b>	<b>191</b>	<b>100</b>
<b>Percent</b>	<b>49.74</b>	<b>50.26</b>		

## **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 11:03 on 30/01/2021. 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  $\geq 85$  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.

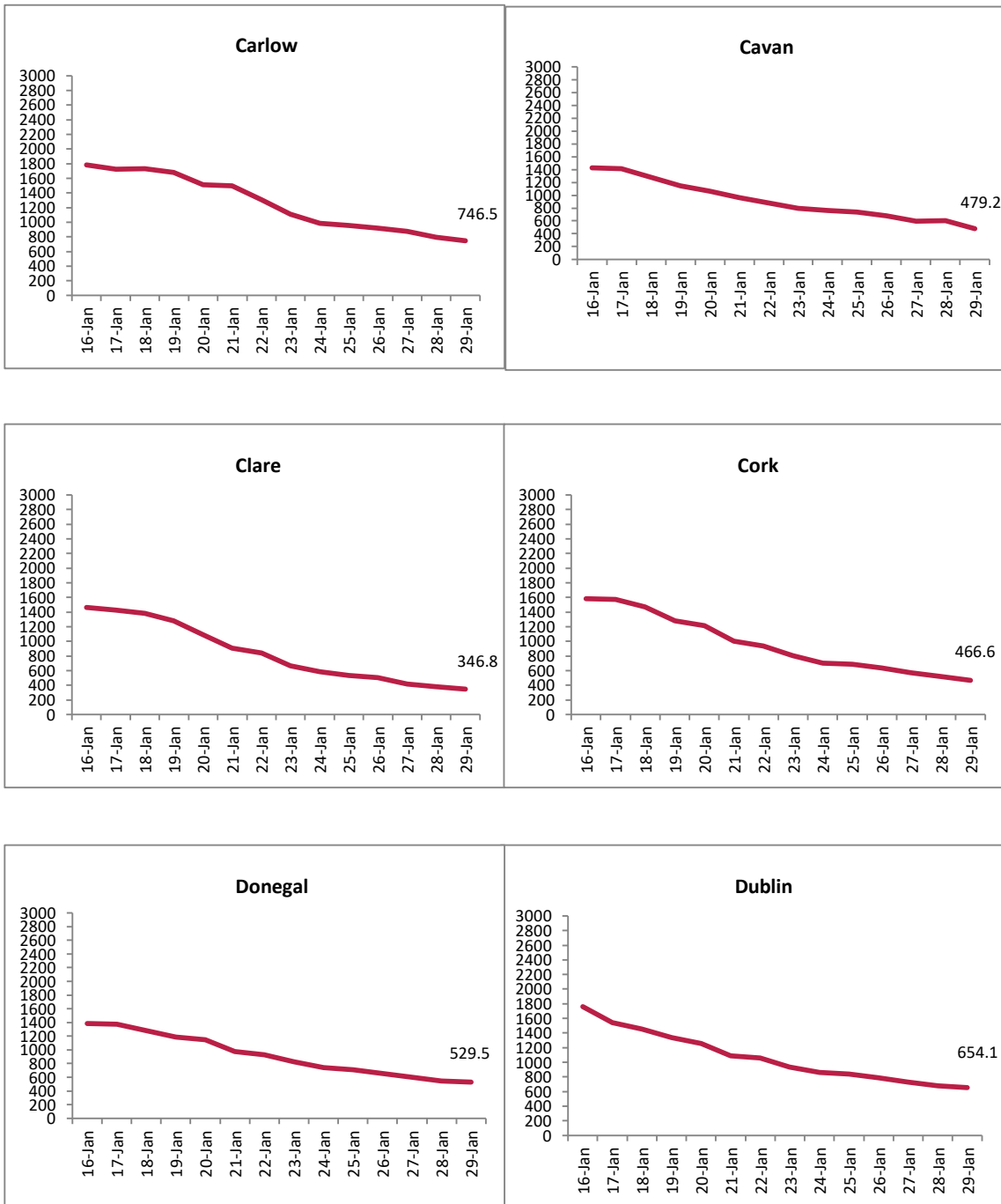
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

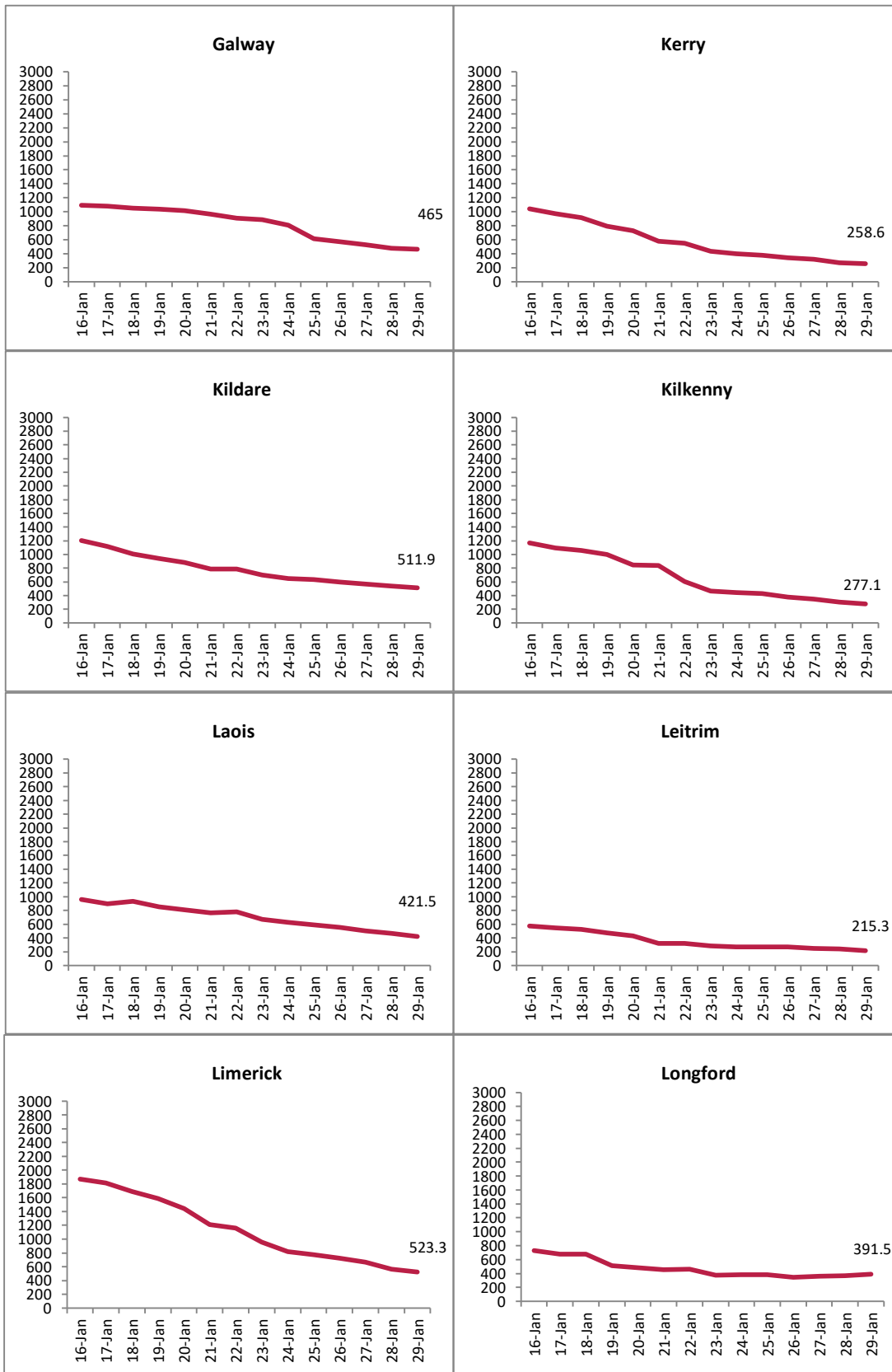
WHO definition of transmission classification is specified below:

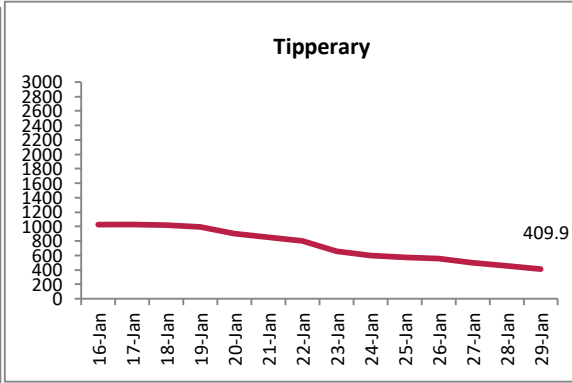
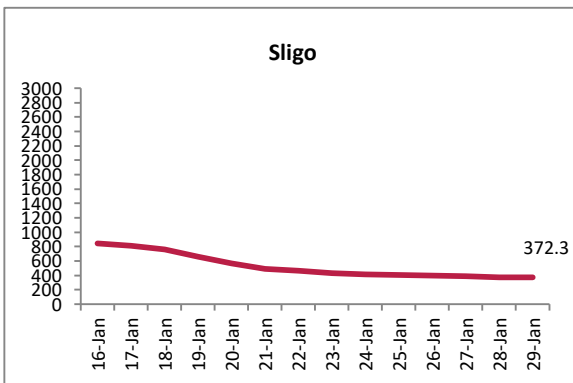
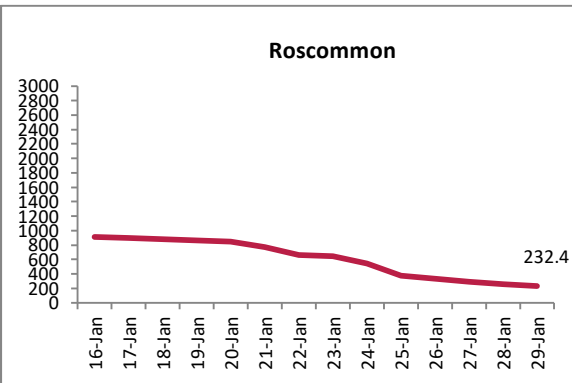
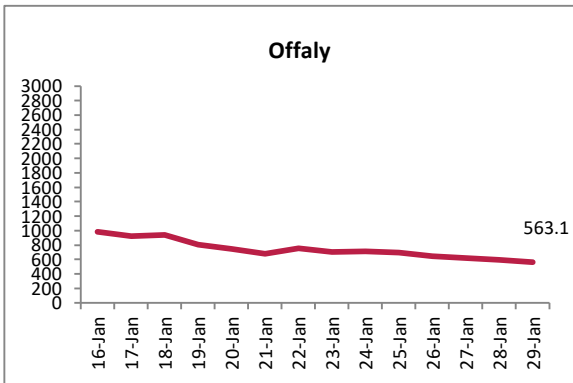
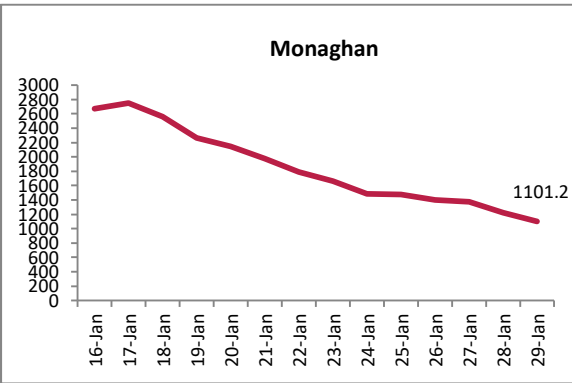
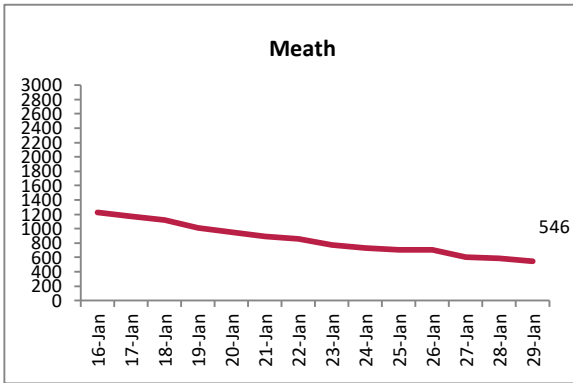
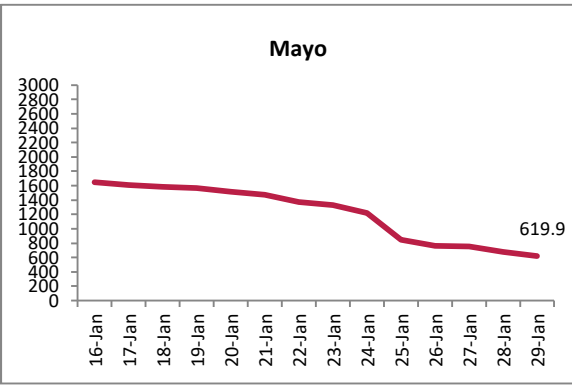
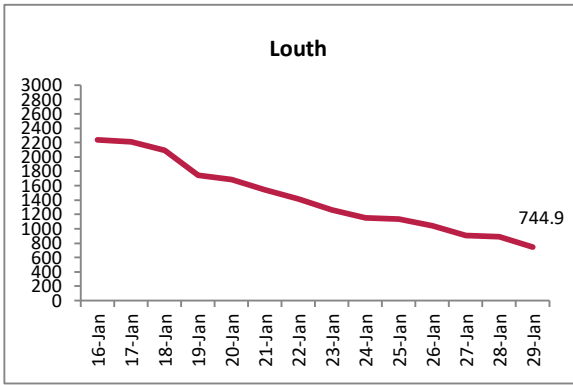
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

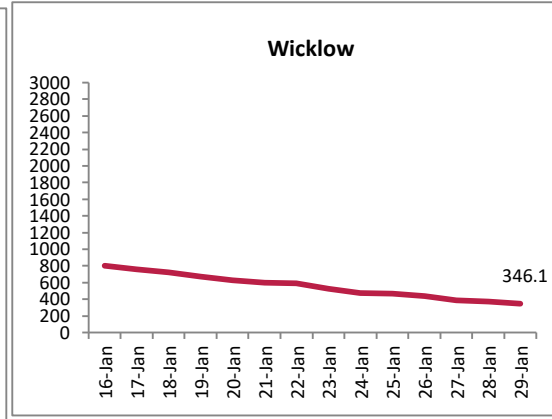
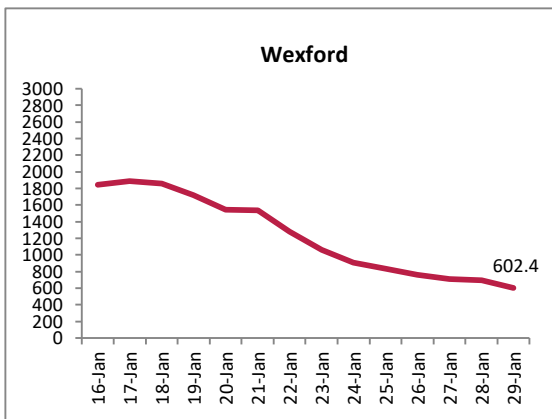
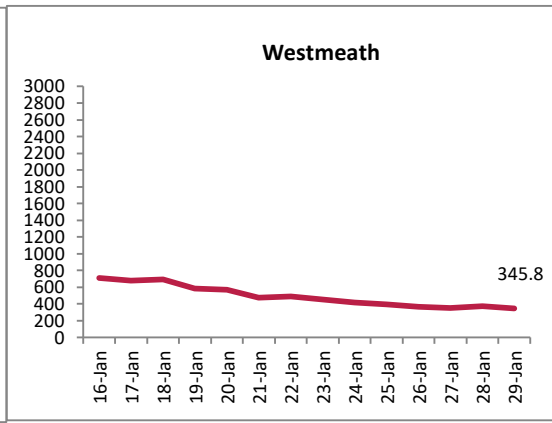
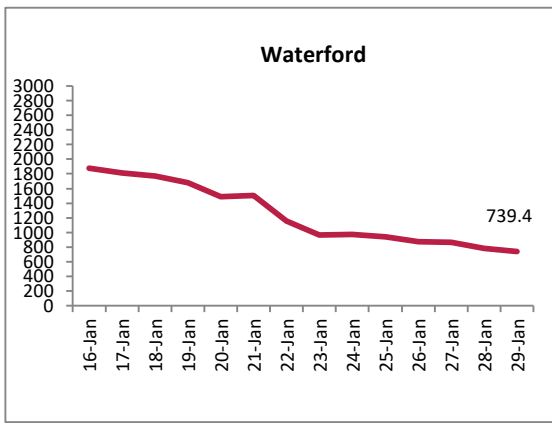
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (16/01/2021 to 29/01/2021)

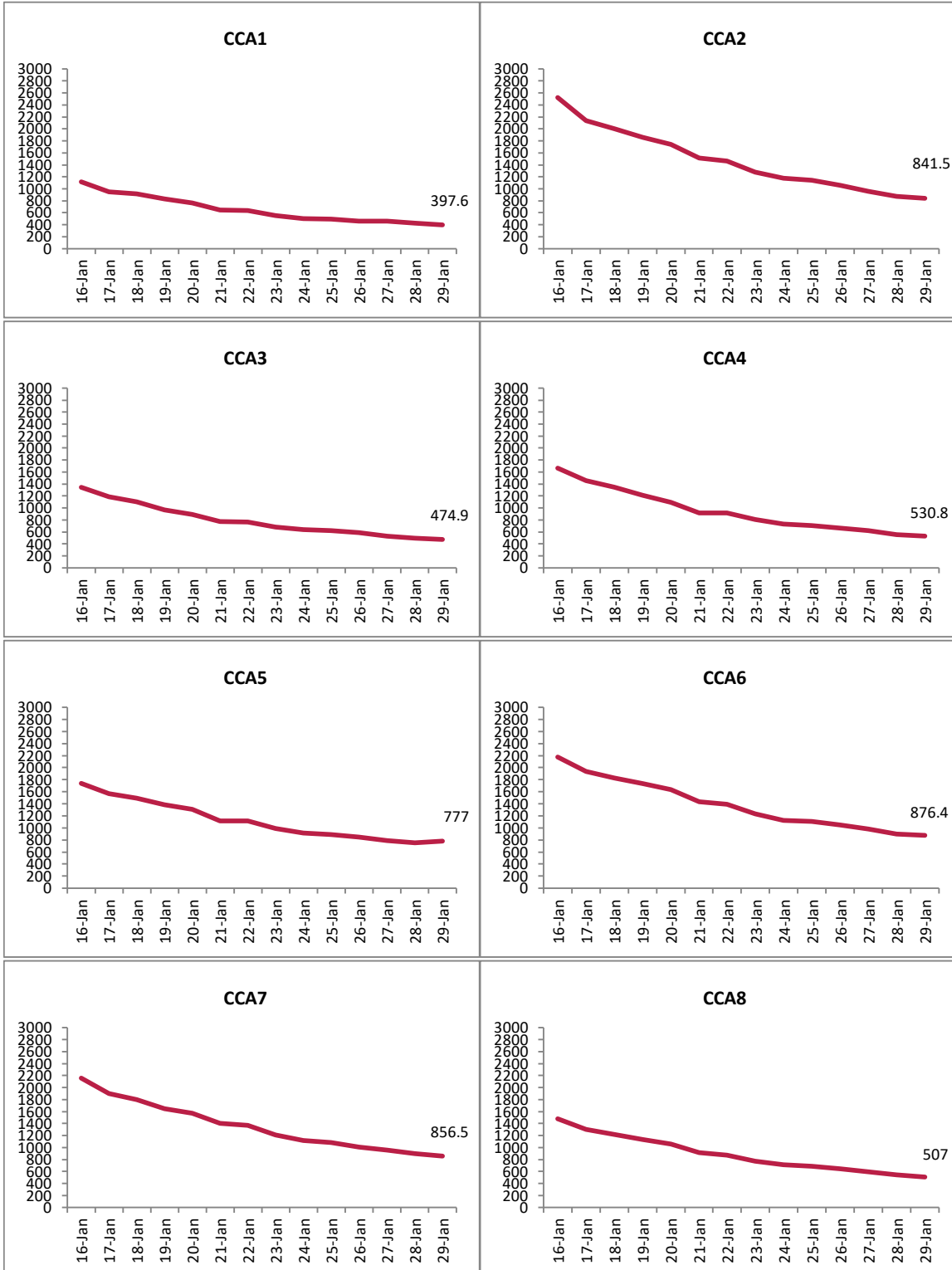








**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (16/01/2021 to 29/01/2021)**



Report prepared by Health Protection Surveillance Centre on 30/01/2021