



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

Report prepared by HPSC on 04/02/2021

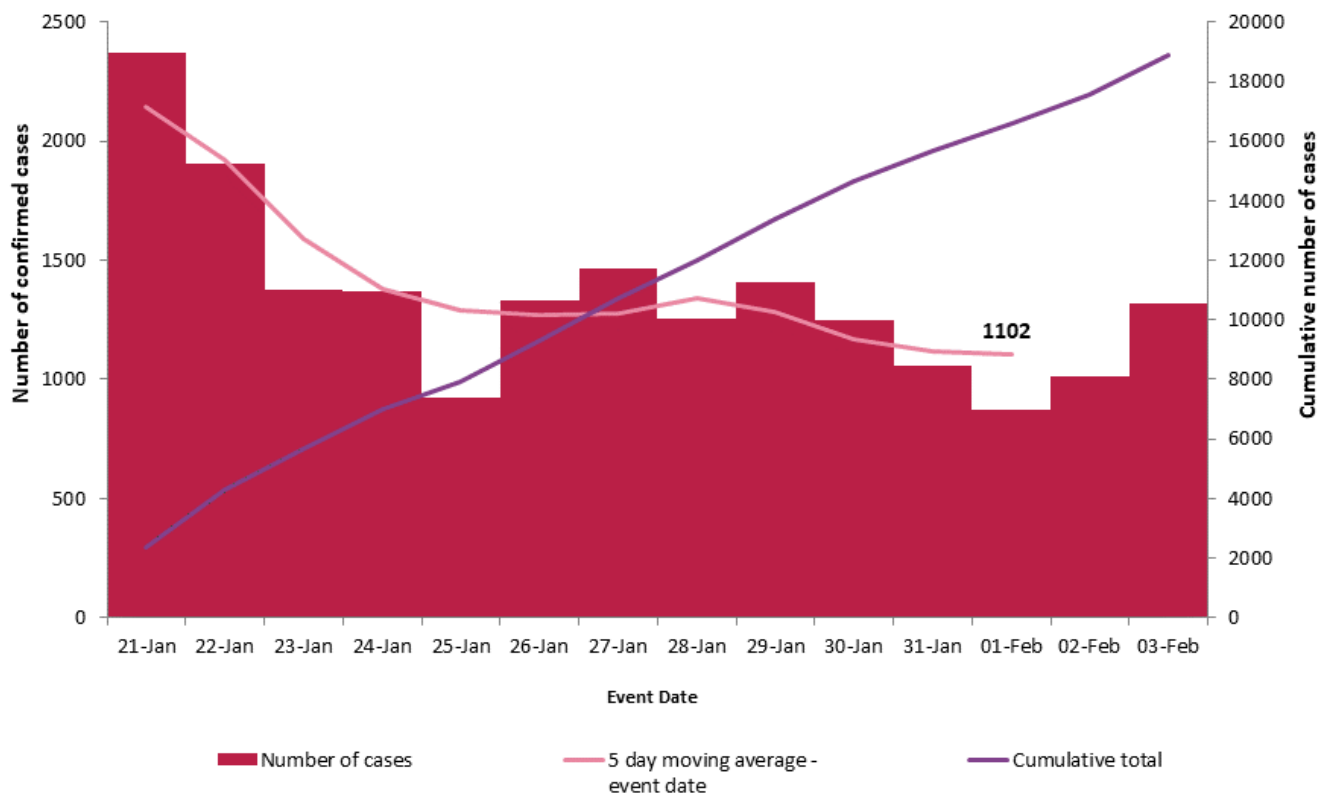
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 21/01/2021 up to midnight 03/02/2021

	Number	Percent
Total number of confirmed cases	18,909	
National incidence of confirmed cases per 100,000 population	397.09	
Number of cases hospitalised*	1,334	7.05
Number of cases admitted to ICU*	55	0.29
Number of deaths among confirmed cases	170	0.9
Case fatality ratio (CFR, %)	0.9	
National incidence of confirmed deaths per 100,000 population	3.57	
Number of cases** associated with clusters	2,893	15.3
Number of imported cases	12	0.06
Number of cases in healthcare workers	2,208	11.68
Males	8,878	46.95
Females	9,997	52.87
M:F ratio	0.89	
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  
21/01/2021 - 03/02/2021

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:53 on 04/02/2021 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=18,909)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 21/01/2021 up to midnight on 03/02/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>18,909</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.89	
	Male	8,878	46.95
	Female	9,997	52.87
	Unknown	34	0.18
<b>Age</b>	Median age (years)	41	
	Mean age (years)	43	
	Age range (years)	0 - 105	
	0-4 yrs	534	2.82
	5-12 yrs	769	4.07
	13-18 yrs	1,010	5.34
	19-24 yrs	1,993	10.54
	25-34 yrs	3,184	16.84
	35-44 yrs	3,200	16.92
	45-54 yrs	2,886	15.26
	55-64 yrs	2,124	11.23
	65-74 yrs	1,124	5.94
	75-84 yrs	1,071	5.66
	85+ yrs	1,004	5.31
	Unknown	10	0.05
<b>Symptom status at time of test*</b>	Yes	11,772	62.26
	No	2,597	13.73
	Unknown	4,540	24.01

\*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 21/01/2021 to midnight 03/02/2021**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,583	404.6
CHO2	1,633	360.4
CHO3	1,220	316.9
CHO4	2,028	293.7
CHO5	2,259	442.7
CHO6	1,464	382.1
CHO7	2,798	395.4
CHO8	2,556	412.7
CHO9	3,365	541.5
Unknown	3	
<b>Total</b>	<b>18,909</b>	<b>397.1</b>

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 21/01/2021 to midnight 03/02/2021**

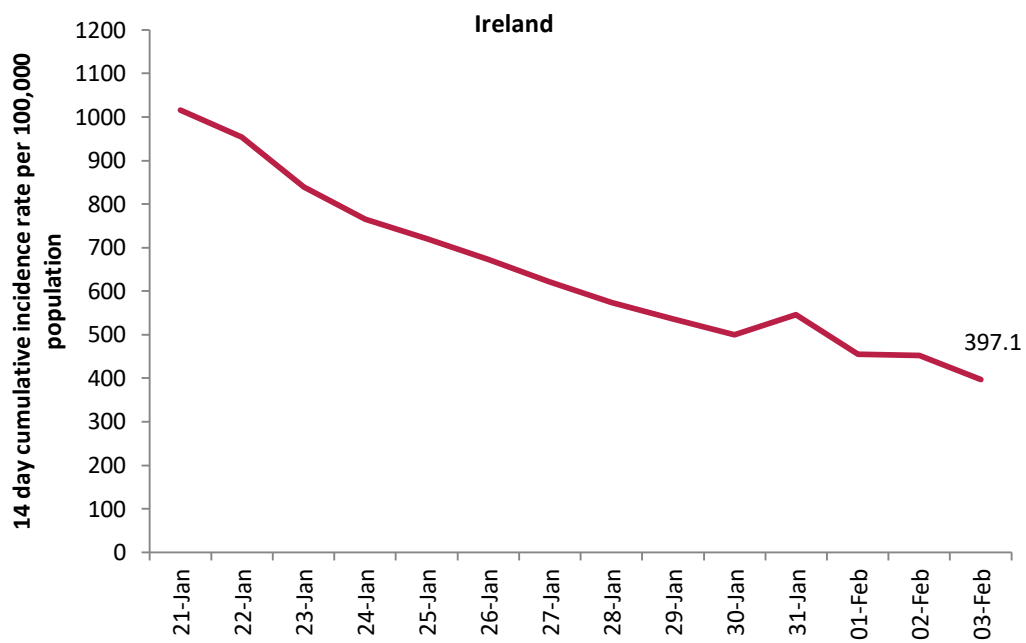
County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (30/01/2021-03/02/2021)
Monaghan	538	876.4	27
Waterford	712	612.9	40
Louth	786	609.9	38
Carlow	334	586.7	20
Wexford	786	525.0	54
Dublin	6,475	480.6	383
Mayo	577	442.1	30
Offaly	331	424.6	17
Meath	802	411.2	42
Galway	967	374.7	70
Limerick	730	374.6	47
Longford	141	345.0	5
Kildare	763	342.9	53
Donegal	538	338.0	27
Cork	1,757	323.7	97
Cavan	244	320.3	14
Sligo	204	311.3	12
Tipperary	481	301.5	24
Laois	235	277.5	18
Wicklow	392	275.2	25
Westmeath	238	268.1	13
Clare	257	216.3	12
Leitrim	67	209.1	5
Kilkenny	194	195.5	10
Kerry	271	183.5	14
Roscommon	89	137.9	5
<b>Total</b>	<b>18,909</b>	<b>397.1</b>	<b>1,102</b>



**Table 4: Number and incidence of confirmed COVID-19 cases by Dublin Local Health Offices\* (LHOs) notified in Ireland with a notification date between 21/01/2021 and 03/02/2021**

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	382	280.7
CCA2	Dublin South East	704	569.1
CCA3	Dublin South City	461	307.5
CCA4	Dublin South West	637	395.9
CCA5	Dublin West	925	595.5
CCA6	Dublin North West	1,415	681.4
CCA7	Dublin North Central	977	632.0
CCA8	Dublin North	973	375.5
	Unknown	1	
	<b>Dublin</b>	<b>6,475</b>	<b>480.6</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\* (21/01/2021 to 03/02/2021)**

\*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 21/01/2021 to midnight 03/02/2021**

Most likely transmission source	Number of cases	Percent
Travel related	105	0.56%
Close contact with a known confirmed case	6,580	34.80%
Healthcare setting acquired: patient	1,394	7.37%
Healthcare setting acquired: staff	1,201	6.35%
Community transmission	3,375	17.85%
Under investigation	6,254	33.07%
<b>Total</b>	<b>18,909</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 21/01/2021 to midnight 03/02/2021 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	534	16	1.20	0	0
5-12 yrs	769	12	0.90	0	0
13-18 yrs	1,010	21	1.57	<5	
19-24 yrs	1,993	56	4.20	<5	
25-34 yrs	3,184	116	8.70	<5	
35-44 yrs	3,200	89	6.67	5	9.09
45-54 yrs	2,886	135	10.12	5	9.09
55-64 yrs	2,124	165	12.37	19	34.55
65-74 yrs	1,124	202	15.14	14	25.45
75-84 yrs	1,071	297	22.26	<5	
85+ yrs	1,004	224	16.79	<5	
Unknown	10	1	0.07	0	0
<b>Total</b>	<b>18,909</b>	<b>1,334</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 21/01/2021 up to midnight 03/02/2021

	Number	Percent
Total number of deaths	176	
Confirmed	170	96.59
Probable	1	0.57
Possible	5	2.84
Total number of cases hospitalised	77	43.75
Total number of male cases	88	50
M:F ratio	1	
Median age (years)	85	
Mean age (years)	83	
Age range (years)	19 - 101	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 21/01/2021 up to midnight 03/02/2021

Age group (years)	Female	Male	Total	Percent
15-54 yrs	*	*	4	2.27
55-64 yrs	*	*	4	2.27
65-74 yrs	8	9	17	9.66
75-84 yrs	26	34	60	34.09
85+ yrs	50	41	91	51.7
<b>Total</b>	<b>88</b>	<b>88</b>	<b>176</b>	<b>100</b>
<b>Percent</b>	<b>50</b>	<b>50</b>		

\* 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  $\geq 85$  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.

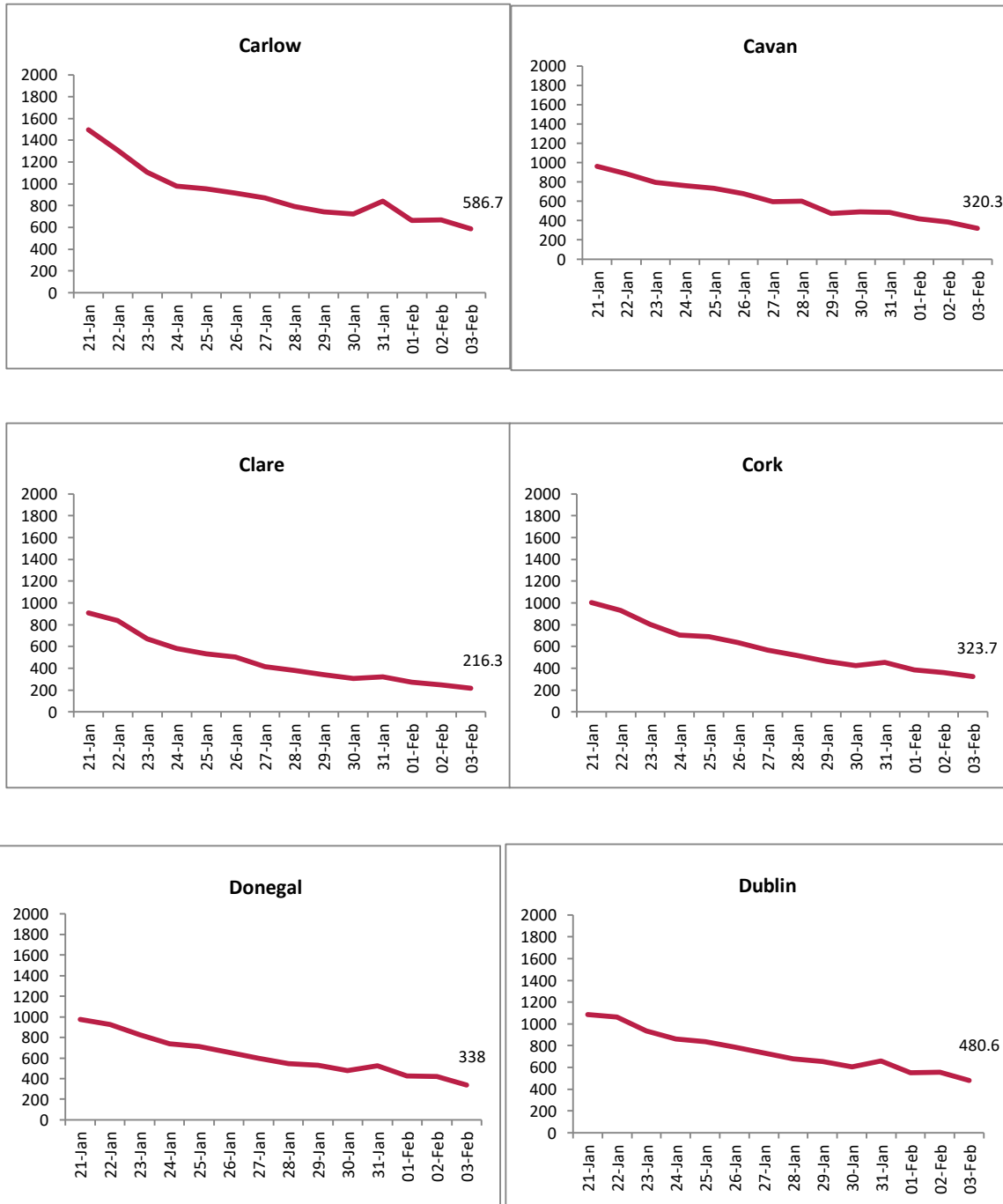
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

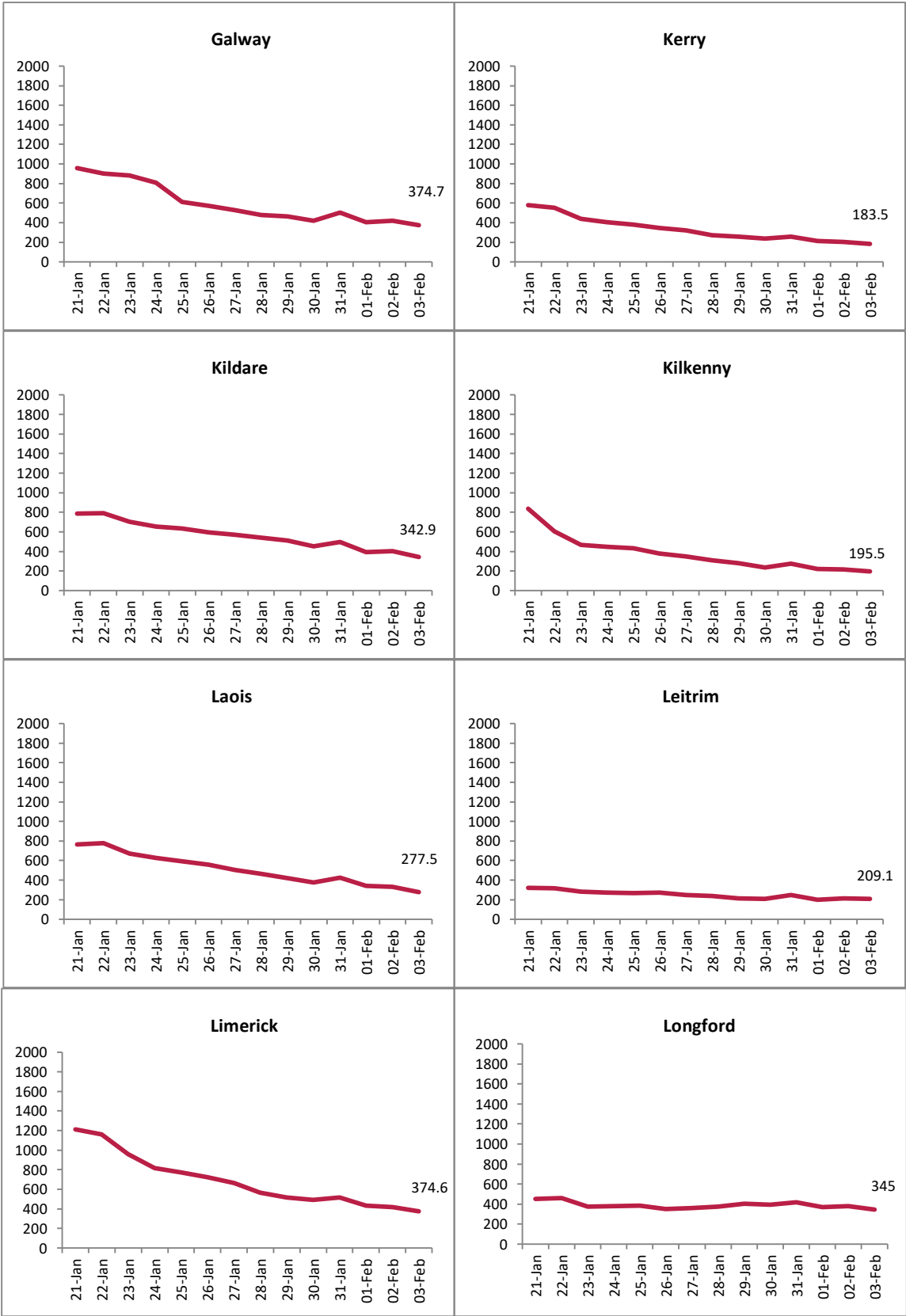
WHO definition of transmission classification is specified below:

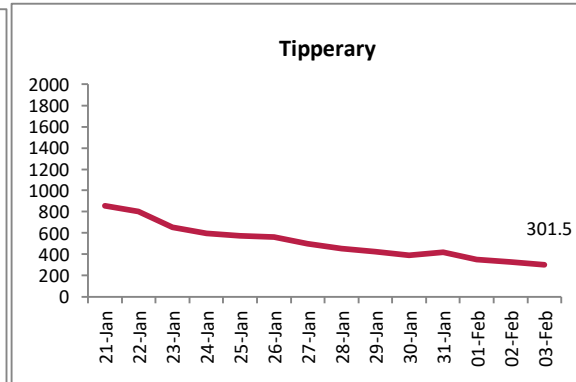
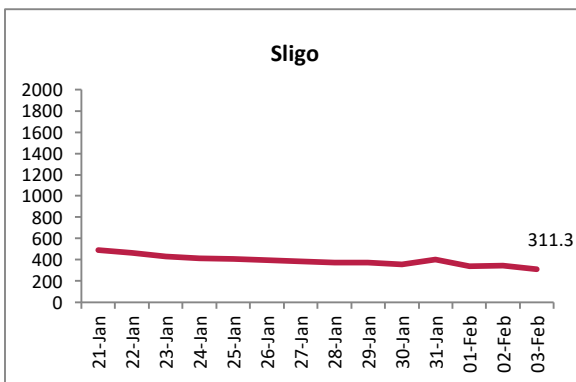
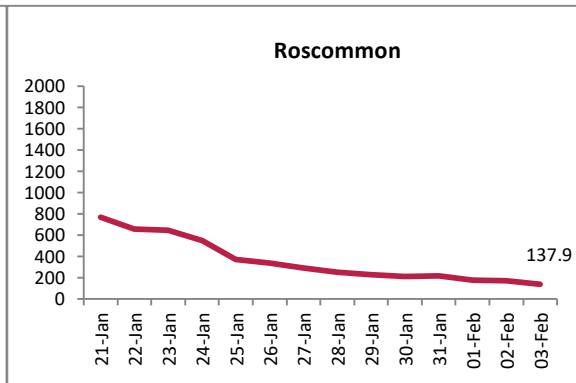
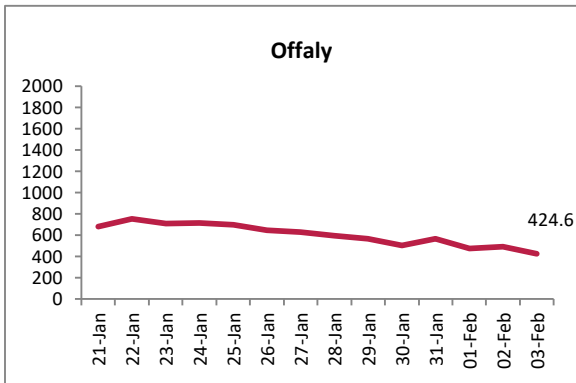
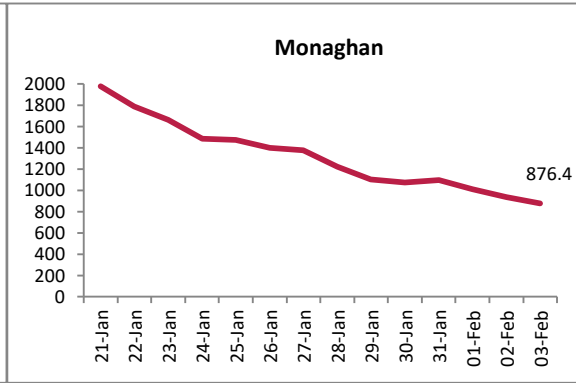
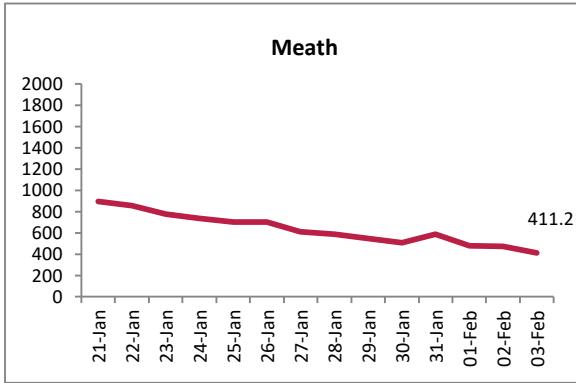
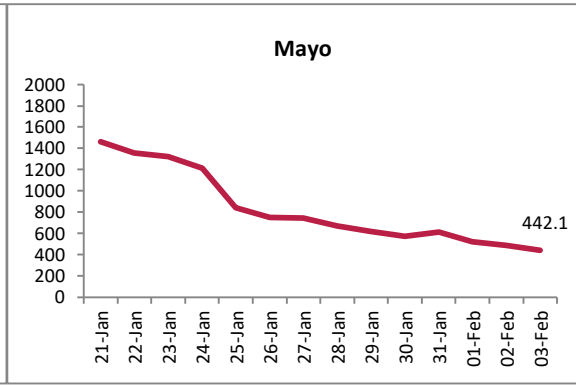
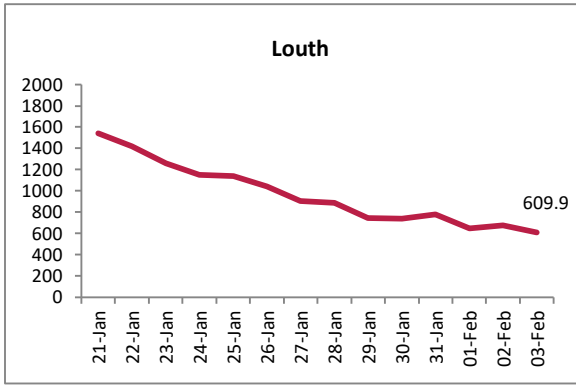
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within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

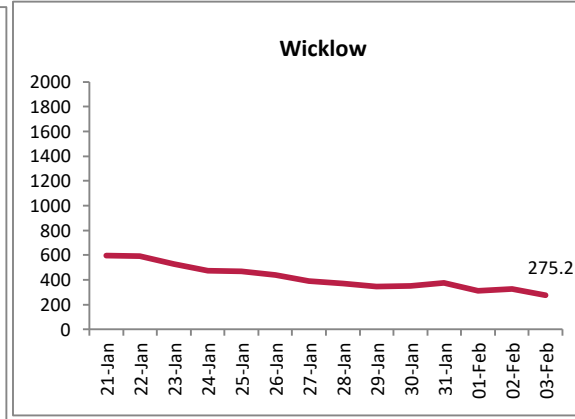
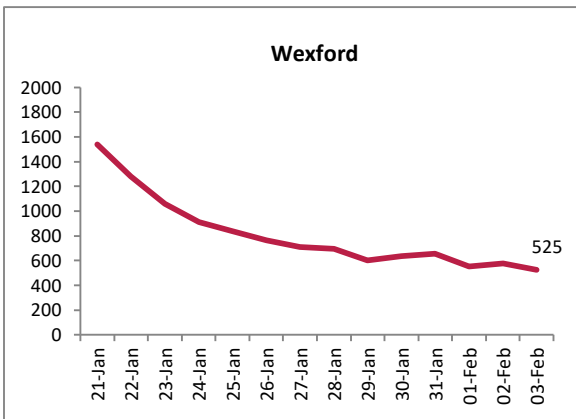
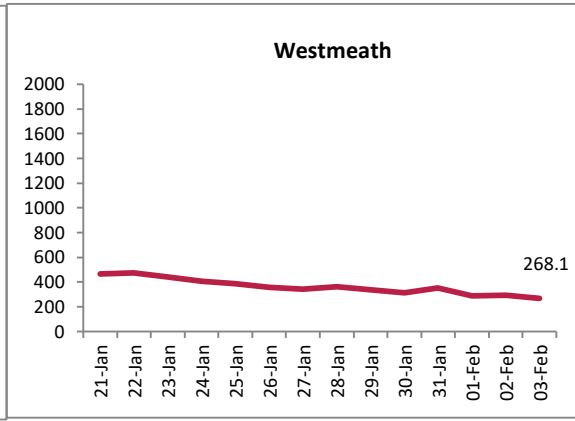
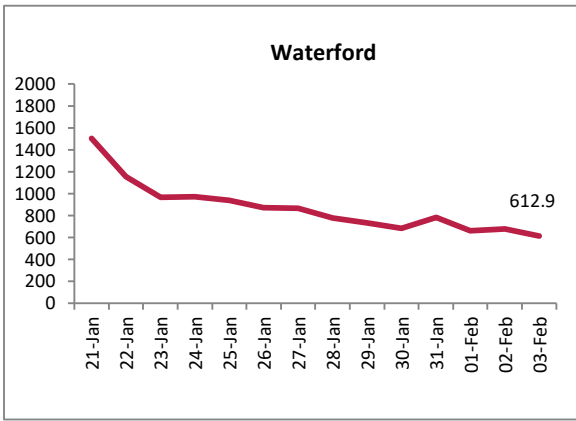
## Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (21/01/2021 to 03/02/2021)









**Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (21/01/2021 to 03/02/2021)**

