



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 11/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 28/01/2021 up to midnight 10/02/2021

	Number	Percent
Total number of confirmed cases	14,265	
National incidence of confirmed cases per 100,000 population	299.57	
Number of cases hospitalised*	1,081	7.58
Number of cases admitted to ICU*	41	0.29
Number of deaths among confirmed cases	96	0.67
Case fatality ratio (CFR, %)	0.67	
National incidence of confirmed deaths per 100,000 population	2.02	
Number of cases** associated with clusters	2,209	15.49
Number of imported cases	8	0.06
Number of cases in healthcare workers	1,421	9.96
Males	6,808	47.73
Females	7,445	52.19
M:F ratio	0.91	
Median age (years)	39	
Mean age (years)	41	
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
28/01/2021 - 10/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:58 on 11/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

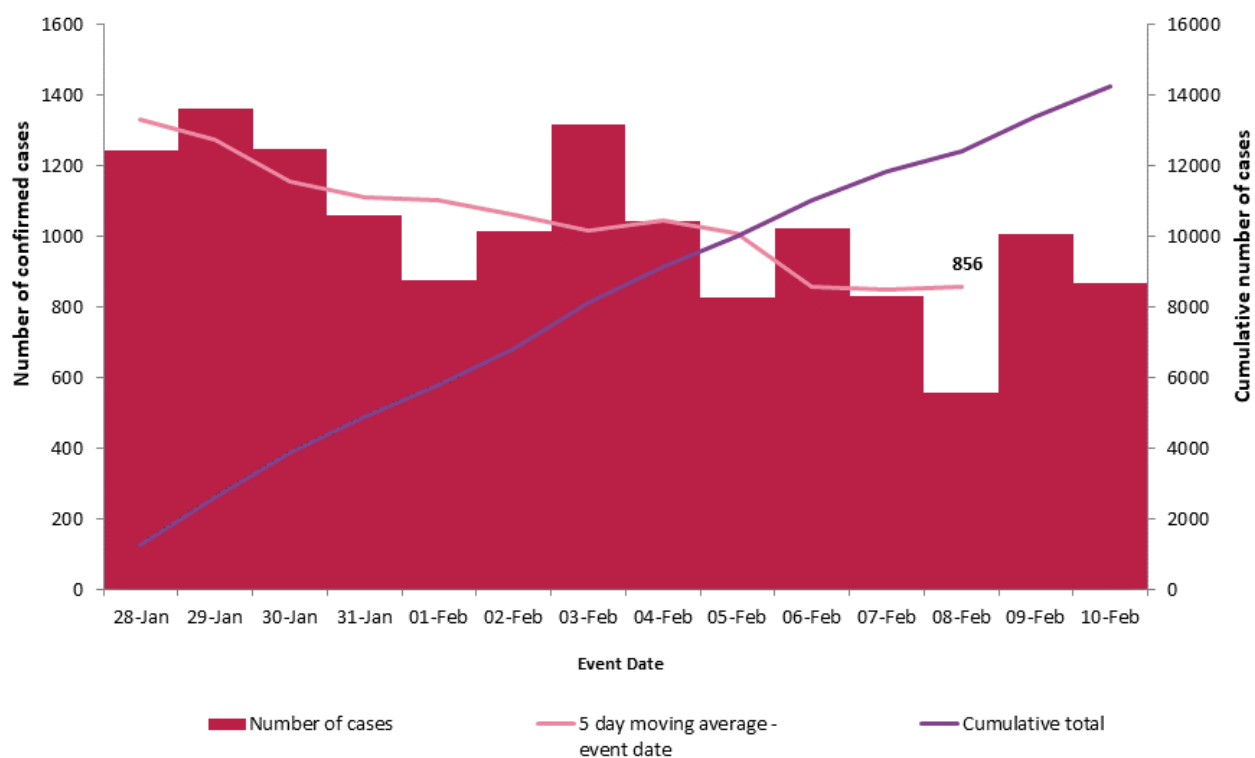


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=14,265)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 28/01/2021 up to midnight on 10/02/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		14,265	100
Sex	Male:Female ratio	0.91	
	Male	6,808	47.73
	Female	7,445	52.19
	Unknown	12	0.08
Age	Median age (years)	39	
	Mean age (years)	41	
	Age range (years)	0 - 105	
	0-4 yrs	514	3.6
	5-12 yrs	769	5.39
	13-18 yrs	959	6.72
	19-24 yrs	1,578	11.06
	25-34 yrs	2,314	16.22
	35-44 yrs	2,381	16.69
	45-54 yrs	2,130	14.93
	55-64 yrs	1,501	10.52
	65-74 yrs	790	5.54
	75-84 yrs	716	5.02
	85+ yrs	604	4.23
	Unknown	9	0.06
Underlying clinical conditions	Yes	1,318	9.24
	No	10,135	71.05
	Unknown	2,812	19.71
Symptom status at time of test*	Yes	8,895	62.36
	No	2,380	16.68
	Unknown	2,990	20.96

*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 28/01/2021 to midnight 10/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,163	297.2
CHO2	1,262	278.5
CHO3	835	216.9
CHO4	1,373	198.8
CHO5	1,533	300.4
CHO6	1,157	302.0
CHO7	2,170	306.6
CHO8	1,932	312.0
CHO9	2,840	457.0
Unknown	0	
Total	14,265	299.6

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 28/01/2021 to midnight 10/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (06/02/2021-10/02/2021)
Monaghan	355	578.3	23
Carlow	223	391.7	12
Waterford	455	391.6	24
Dublin	5,235	388.5	345
Wexford	576	384.7	21
Louth	478	370.9	31
Offaly	258	330.9	20
Meath	634	325.1	44
Galway	797	308.8	45
Laois	252	297.5	17
Kildare	645	289.9	39
Mayo	376	288.1	21
Cavan	214	280.9	18
Limerick	541	277.6	33
Longford	107	261.8	7
Donegal	402	252.5	20
Westmeath	202	227.6	14
Sligo	149	227.4	7
Cork	1,166	214.8	48
Wicklow	287	201.5	16
Tipperary	285	178.6	14
Kerry	207	140.1	12
Roscommon	89	137.9	6
Clare	162	136.3	9
Leitrim	43	134.2	1
Kilkenny	127	128.0	6
Total	14,265	299.6	856

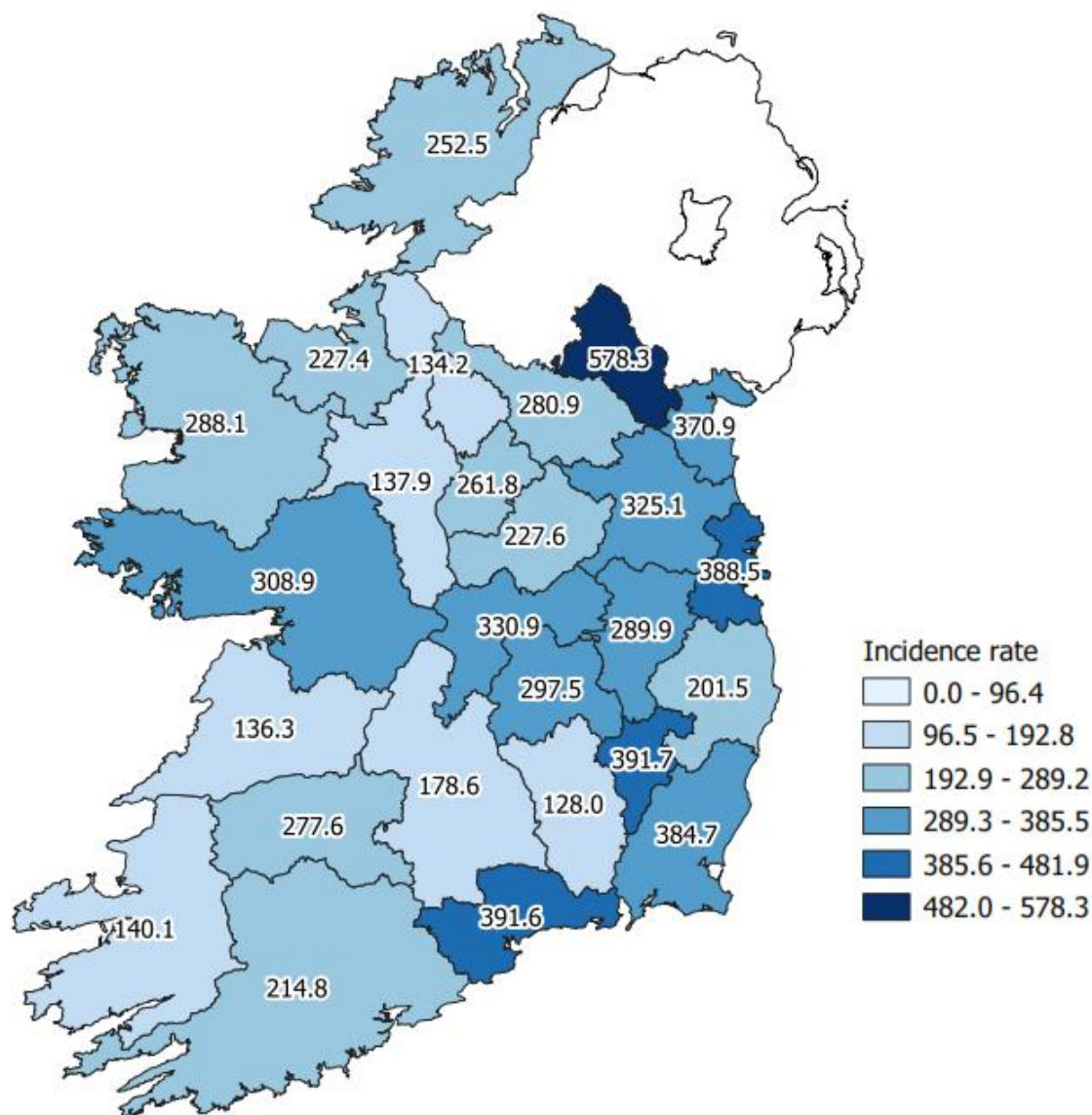


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 28/01/2021 and 10/02/2021

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 28/01/2021 and 10/02/2021

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	256	188.1
CCA2	Dublin South East	620	501.2
CCA3	Dublin South City	329	219.4
CCA4	Dublin South West	482	299.6
CCA5	Dublin West	708	455.8
CCA6	Dublin North West	1,171	563.9
CCA7	Dublin North Central	908	587.4
CCA8	Dublin North	761	293.7
Dublin		5,235	388.5

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.

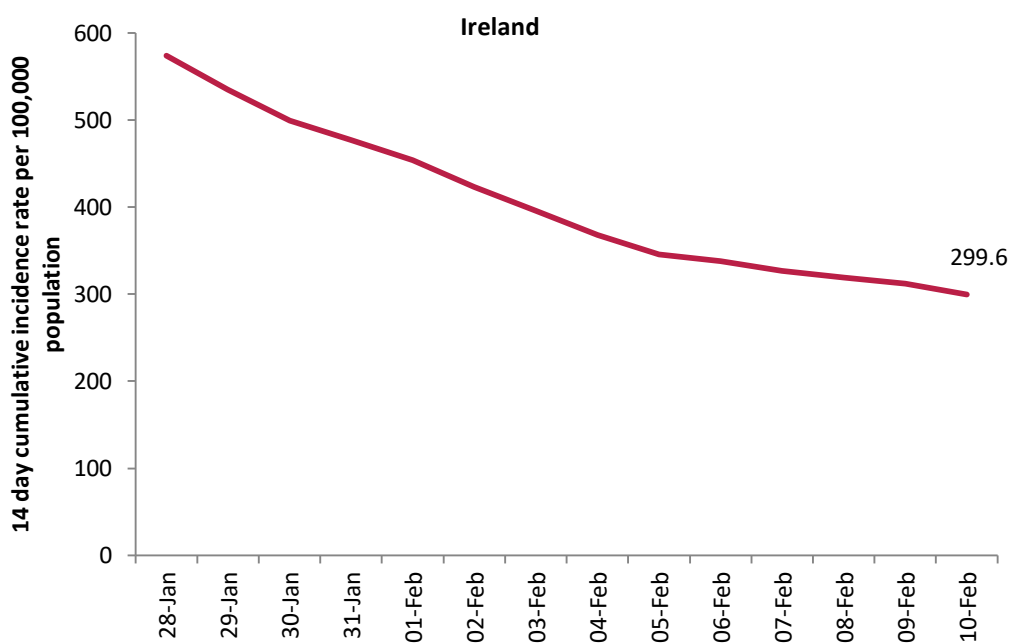


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (28/01/2021 to 10/02/2021)

*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 28/01/2021 to midnight 10/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	78	0.55%
Close contact with a known confirmed case	6,135	43.01%
Healthcare setting acquired: patient	1,017	7.13%
Healthcare setting acquired: staff	721	5.05%
Community transmission	2,707	18.98%
Under investigation	3,607	25.29%
Total	14,265	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 28/01/2021 to midnight 10/02/2021 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	514	18	1.67	0	0
5-12 yrs	769	16	1.48	0	0
13-18 yrs	959	15	1.39	0	0
19-24 yrs	1,578	46	4.26	<5	
25-34 yrs	2,314	82	7.59	<5	
35-44 yrs	2,381	82	7.59	<5	
45-54 yrs	2,130	120	11.10	7	17.07
55-64 yrs	1,501	150	13.88	10	24.39
65-74 yrs	790	159	14.71	12	29.27
75-84 yrs	716	229	21.18	<5	
85+ yrs	604	163	15.08	<5	
Unknown	9	1	0.09	0	0
Total	14,265	1081	100	41	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 28/01/2021 up to midnight 10/02/2021

	Number	Percent
Total number of deaths	100	
Confirmed	96	96
Possible	4	4
Total number of cases hospitalised	44	44
Total number of male cases	51	51
M:F ratio	1.04	
Median age (years)	84	
Mean age (years)	82	
Age range (years)	19 - 100	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 28/01/2021 up to midnight 10/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	6	6
65-74 yrs	*	*	9	9
75-84 yrs	18	20	38	38
85+ yrs	24	23	47	47
Total	49	51	100	100
Percent	49	51		

* 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 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 ≥ 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.

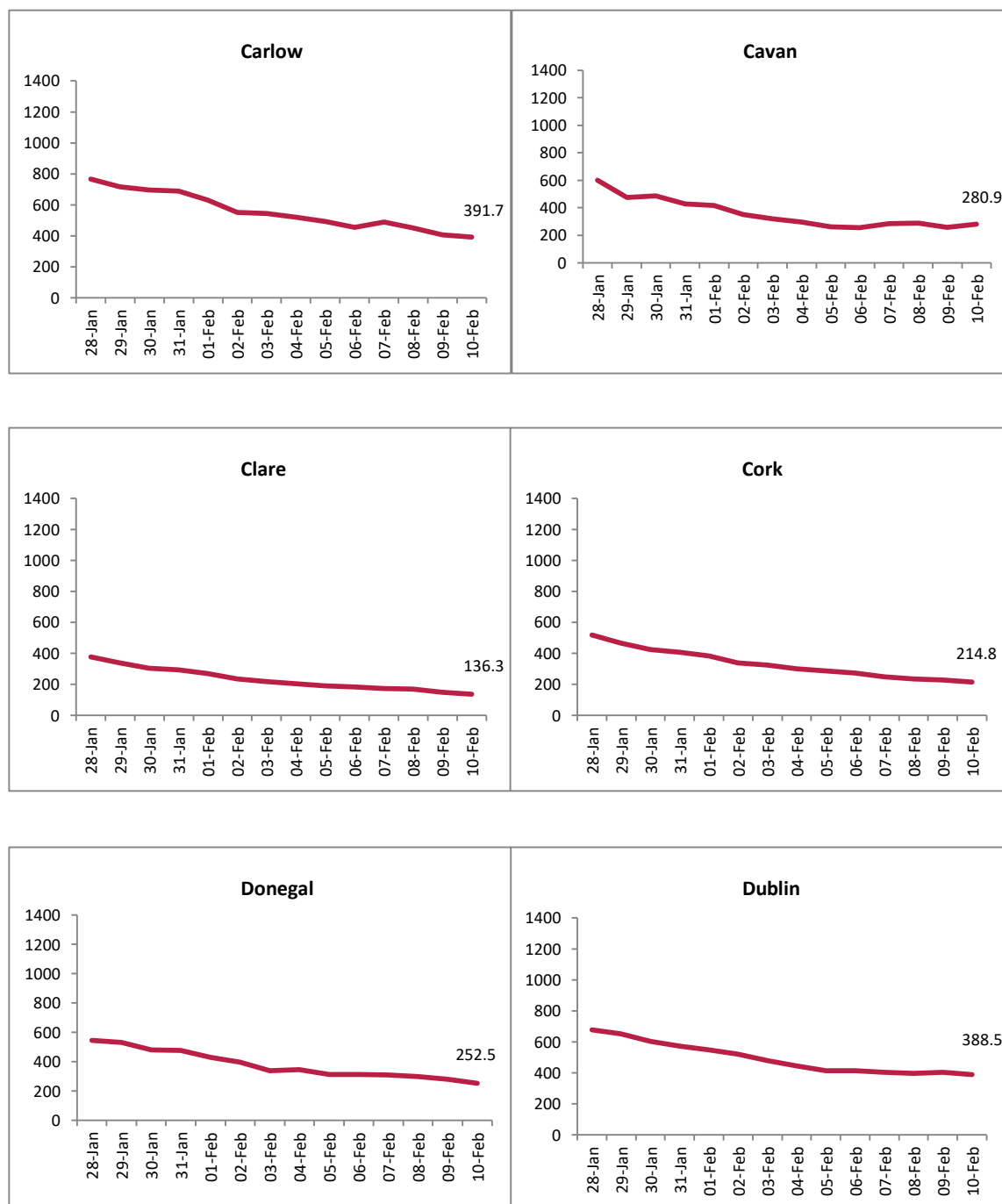
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

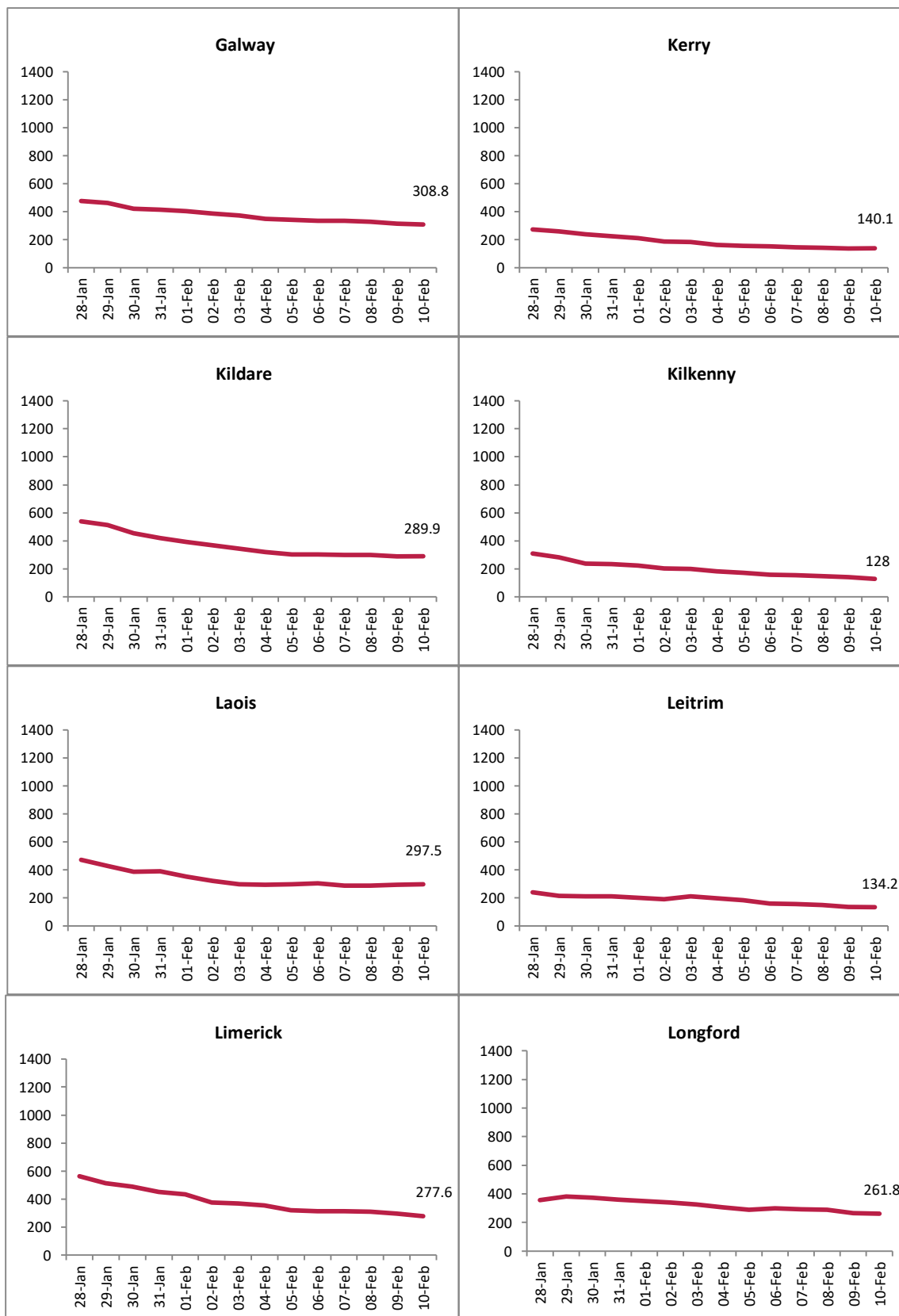
WHO definition of transmission classification is specified below:

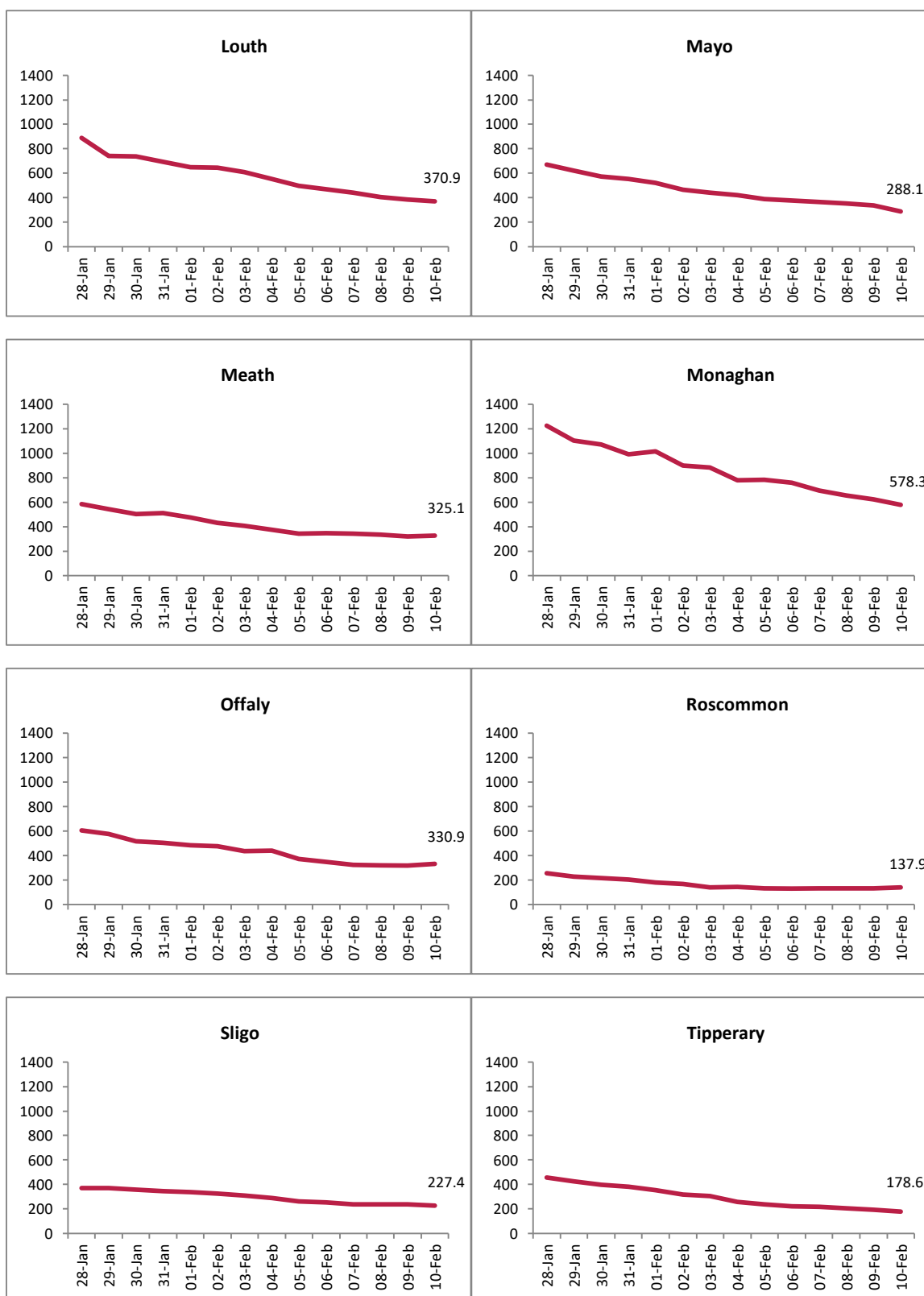
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (28/01/2021 to 10/02/2021)







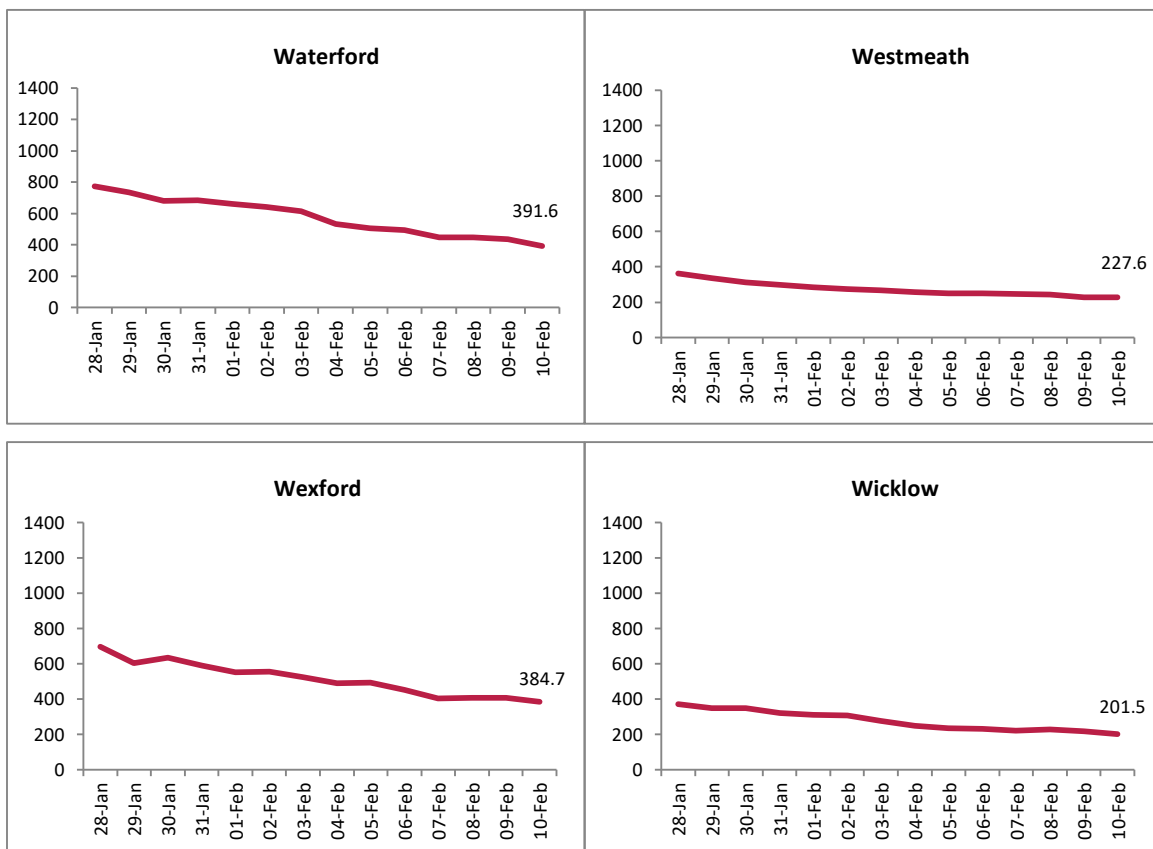


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (28/01/2021 to 10/02/2021)

