



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 24/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 10/02/2021 up to midnight 23/02/2021

	Number	Percent
Total number of confirmed cases	11,017	
National incidence of confirmed cases per 100,000 population	231.36	
Number of cases hospitalised*	734	6.66
Number of cases admitted to ICU*	31	0.28
Number of deaths among confirmed cases	50	0.45
Case fatality ratio (CFR, %)	0.45	
National incidence of confirmed deaths per 100,000 population	1.05	
Number of cases** associated with clusters	1,564	14.2
Number of imported cases	9	0.08
Number of cases in healthcare workers	578	5.25
Males	5,481	49.75
Females	5,516	50.07
M:F ratio	0.99	
Median age (years)	33	
Mean age (years)	36	
Age range (years)	0 - 102	

* 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
10/02/2021 - 23/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:45 on 24/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

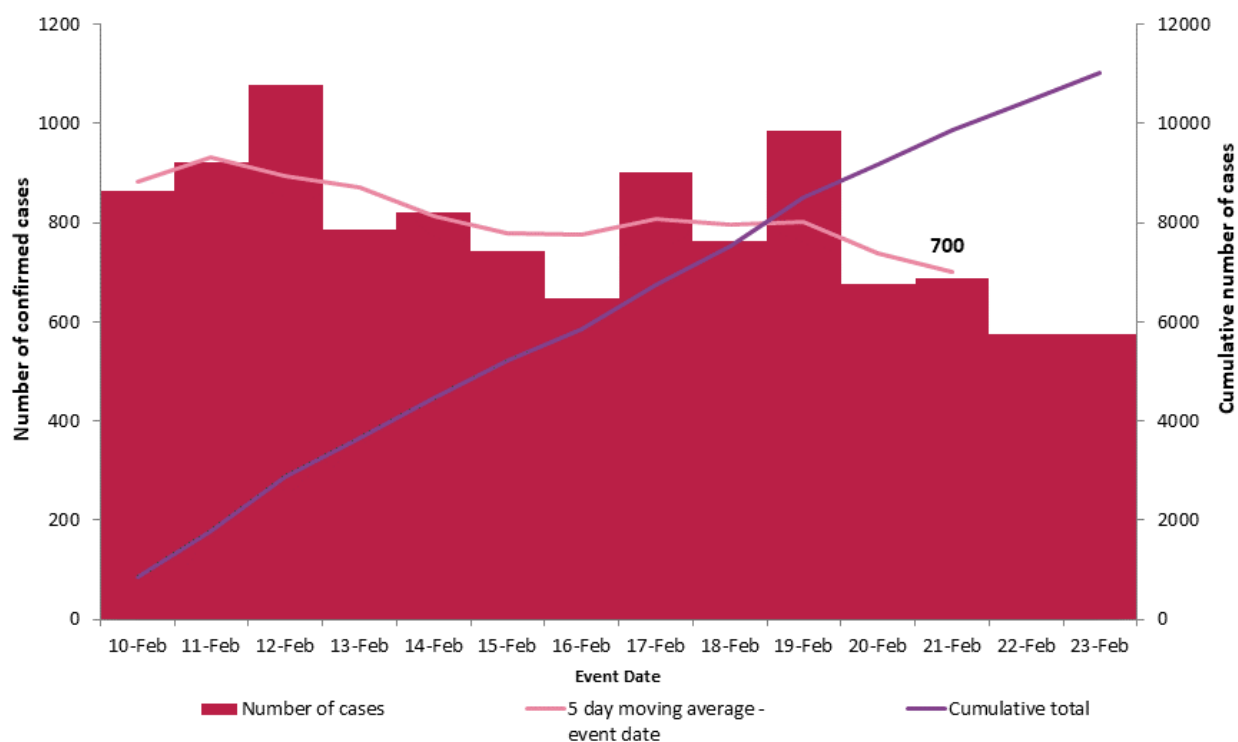


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=11,017)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 10/02/2021 up to midnight on 23/02/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		11,017	100
Sex	Male:Female ratio	0.99	
	Male	5,481	49.75
	Female	5,516	50.07
	Unknown	20	0.18
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 102	
	0-4 yrs	601	5.46
	5-12 yrs	892	8.1
	13-18 yrs	799	7.25
	19-24 yrs	1,726	15.67
	25-34 yrs	1,773	16.09
	35-44 yrs	1,710	15.52
	45-54 yrs	1,360	12.34
	55-64 yrs	992	9
	65-74 yrs	500	4.54
	75-84 yrs	403	3.66
	85+ yrs	260	2.36
	Unknown	1	0.01
Symptom status at time of test*	Yes	6,679	60.62
	No	2,213	20.09
	Unknown	2,125	19.29

*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 10/02/2021 to midnight 23/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	741	189.4
CHO2	1,268	279.8
CHO3	830	215.6
CHO4	522	75.6
CHO5	926	181.5
CHO6	857	223.7
CHO7	1,739	245.7
CHO8	1,739	280.8
CHO9	2,395	385.4
Total	11,017	231.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 10/02/2021 to midnight 23/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (19/02/2021-23/02/2021)
Offaly	324	415.6	22
Galway	845	327.4	43
Dublin	4,231	314.0	255
Laois	248	292.8	16
Monaghan	176	286.7	9
Longford	117	286.3	8
Kildare	609	273.7	42
Limerick	531	272.4	43
Louth	350	271.6	26
Mayo	346	265.1	24
Waterford	305	262.5	21
Westmeath	232	261.3	16
Cavan	186	244.2	11
Meath	466	238.9	27
Carlow	121	212.5	8
Tipperary	300	188.0	24
Leitrim	56	174.8	2
Donegal	256	160.8	20
Clare	189	159.1	15
Wexford	213	142.3	8
Roscommon	77	119.3	5
Wicklow	151	106.0	13
Sligo	68	103.8	4
Kilkenny	98	98.8	8
Cork	454	83.6	23
Kerry	68	46.0	6
Total	11,017	231.4	700

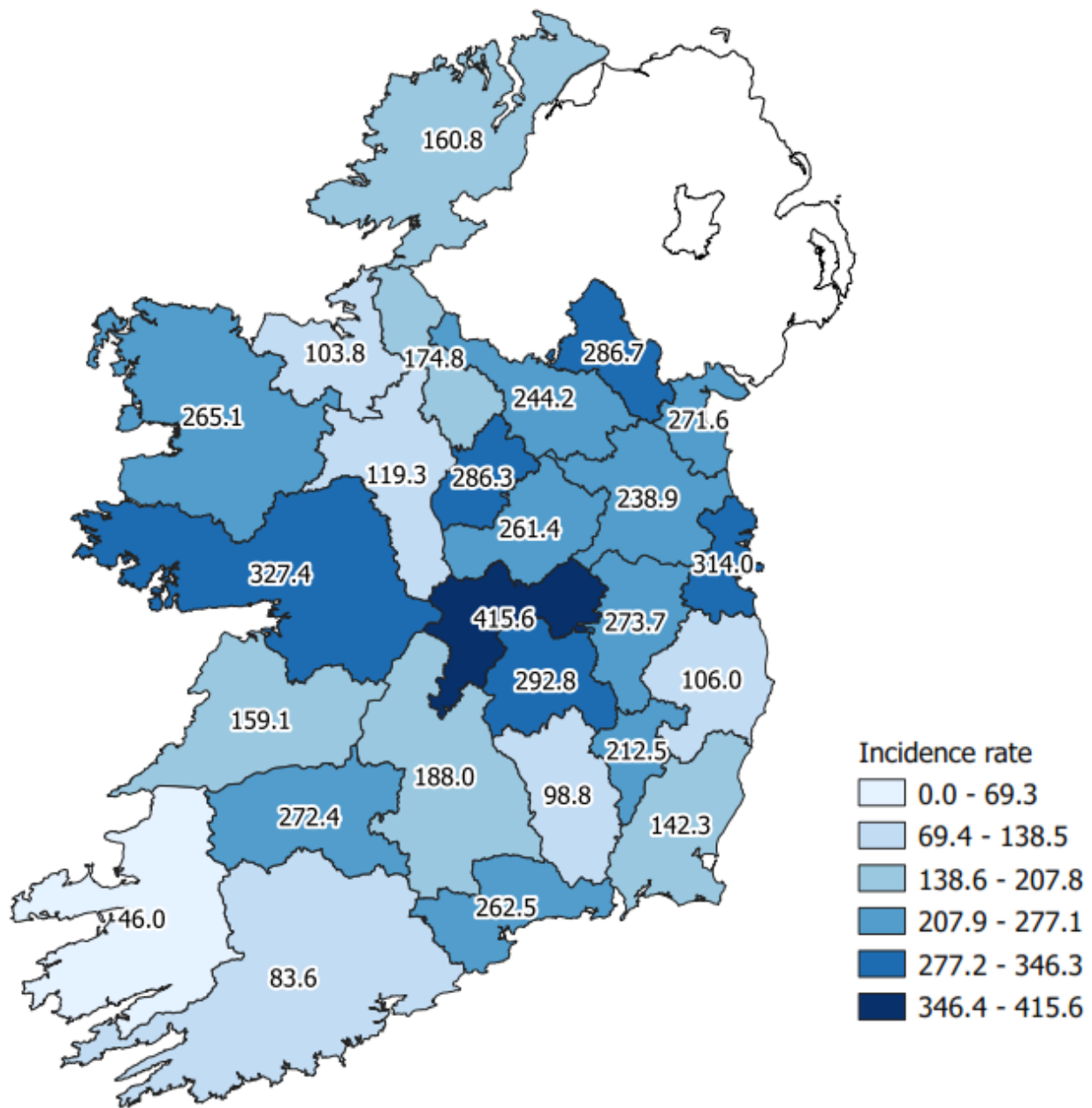


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 10/02/2021 and 23/02/2021

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 10/02/2021 and 23/02/2021

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	171	125.7
CCA2	Dublin South East	540	436.5
CCA3	Dublin South City	217	144.7
CCA4	Dublin South West	383	238.0
CCA5	Dublin West	525	338.0
CCA6	Dublin North West	803	386.7
CCA7	Dublin North Central	1,036	670.2
CCA8	Dublin North	556	214.5
Dublin		4,231	314.0

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.

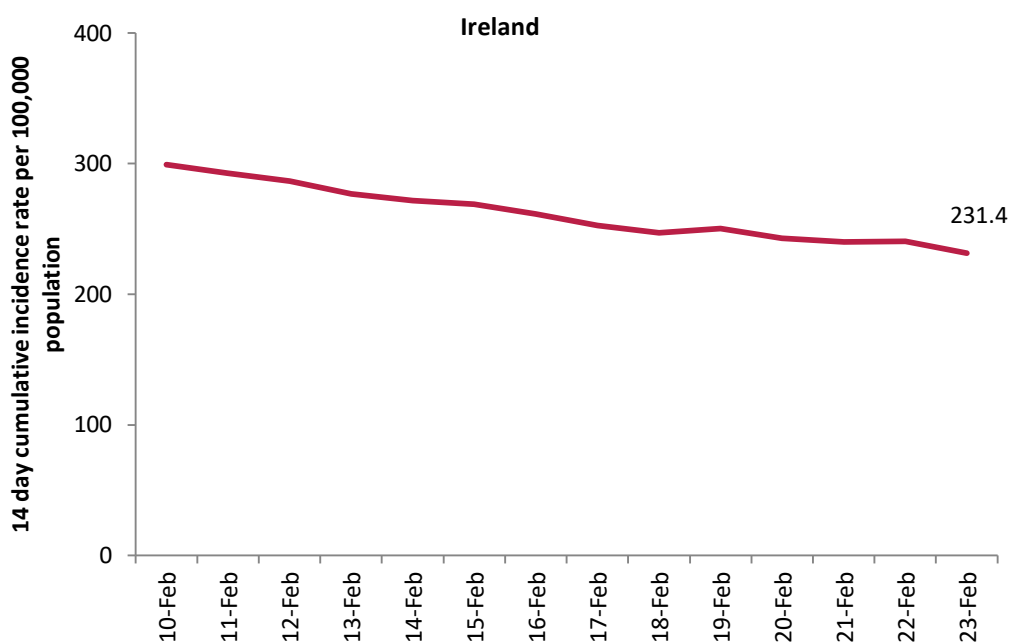


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (10/02/2021 to 23/02/2021)

*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 10/02/2021 to midnight 23/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	72	0.65%
Close contact with a known confirmed case	5,825	52.87%
Healthcare setting acquired: patient	409	3.71%
Healthcare setting acquired: staff	231	2.10%
Community transmission	1,990	18.06%
Under investigation	2,490	22.60%
Total	11,017	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 10/02/2021 to midnight 23/02/2021 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	601	17	2.32	0	0
5-12 yrs	892	14	1.91	0	0
13-18 yrs	799	17	2.32	0	0
19-24 yrs	1,726	40	5.45	<5	
25-34 yrs	1,773	67	9.13	<5	
35-44 yrs	1,710	69	9.40	<5	
45-54 yrs	1,360	88	11.99	8	25.81
55-64 yrs	992	88	11.99	<5	
65-74 yrs	500	111	15.12	7	22.58
75-84 yrs	403	141	19.21	5	16.13
85+ yrs	260	82	11.17	0	0
Unknown	1			0	0
Total	11,017	734	100	31	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 10/02/2021 up to midnight 23/02/2021

	Number	Percent
Total number of deaths	52	
Confirmed	50	96.15
Probable	1	1.92
Possible	1	1.92
Total number of cases hospitalised	33	63.46
Total number of male cases	35	67.31
M:F ratio	2.06	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	42 - 95	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 10/02/2021 up to midnight 23/02/2021

Age group (years)	Female	Male	Total	Percent
< 65 yrs	*	*	6	11.53
65-74 yrs	*	*	8	15.38
75-84 yrs	7	14	21	40.38
85+ yrs	6	11	17	32.69
Total	17	35	52	100
Percent	32.69	67.31		

* 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. 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.

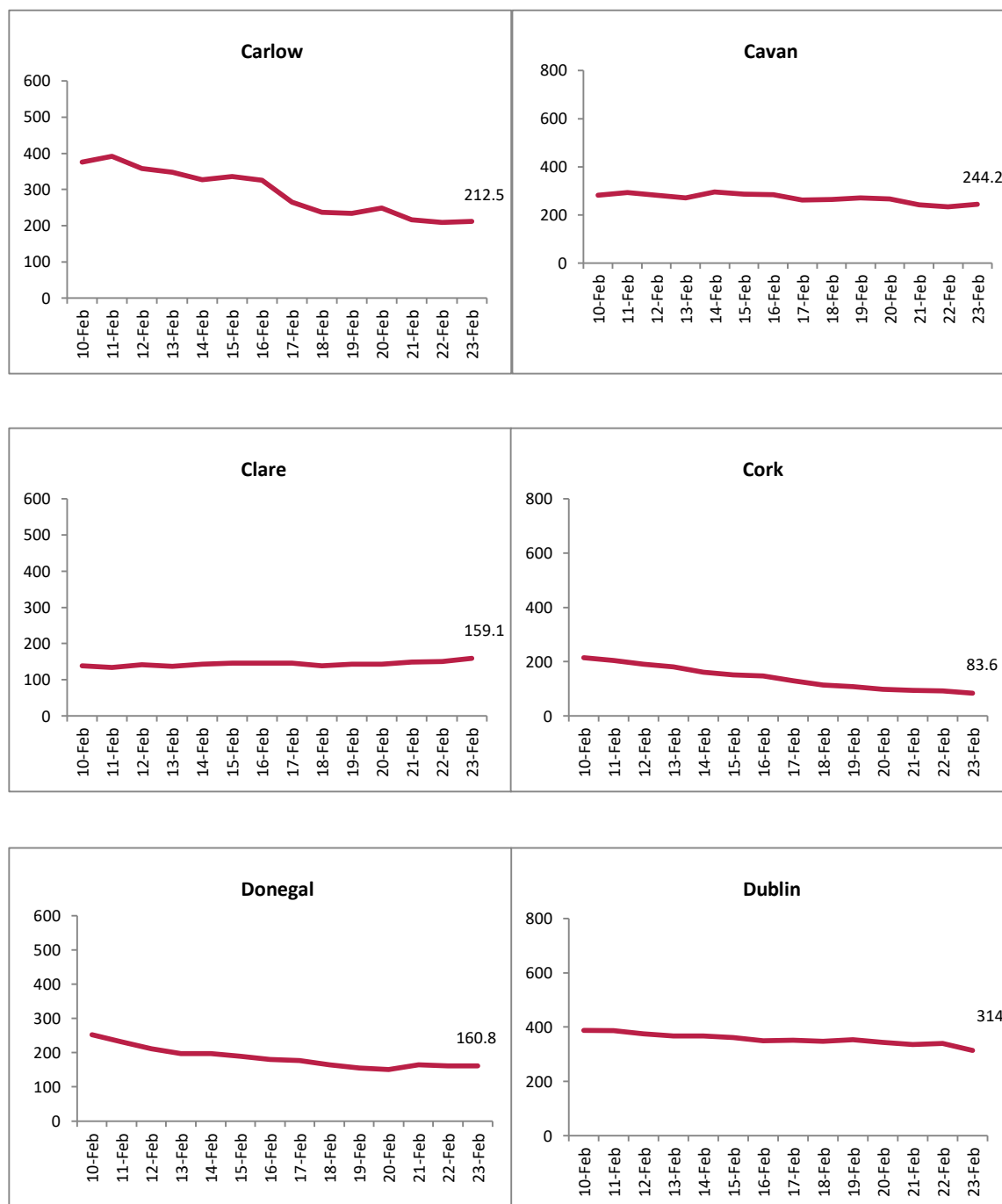
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

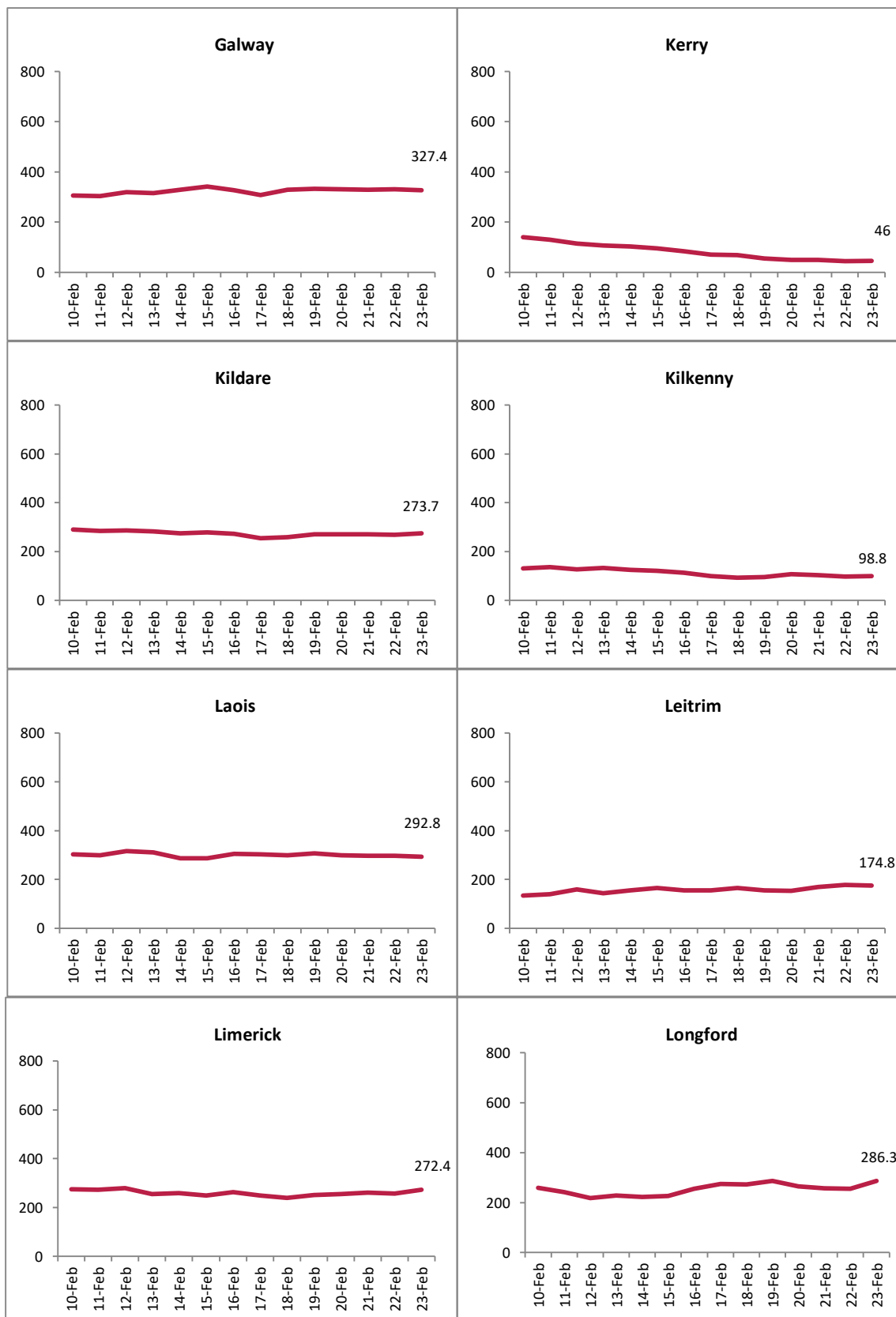
WHO definition of transmission classification is specified below:

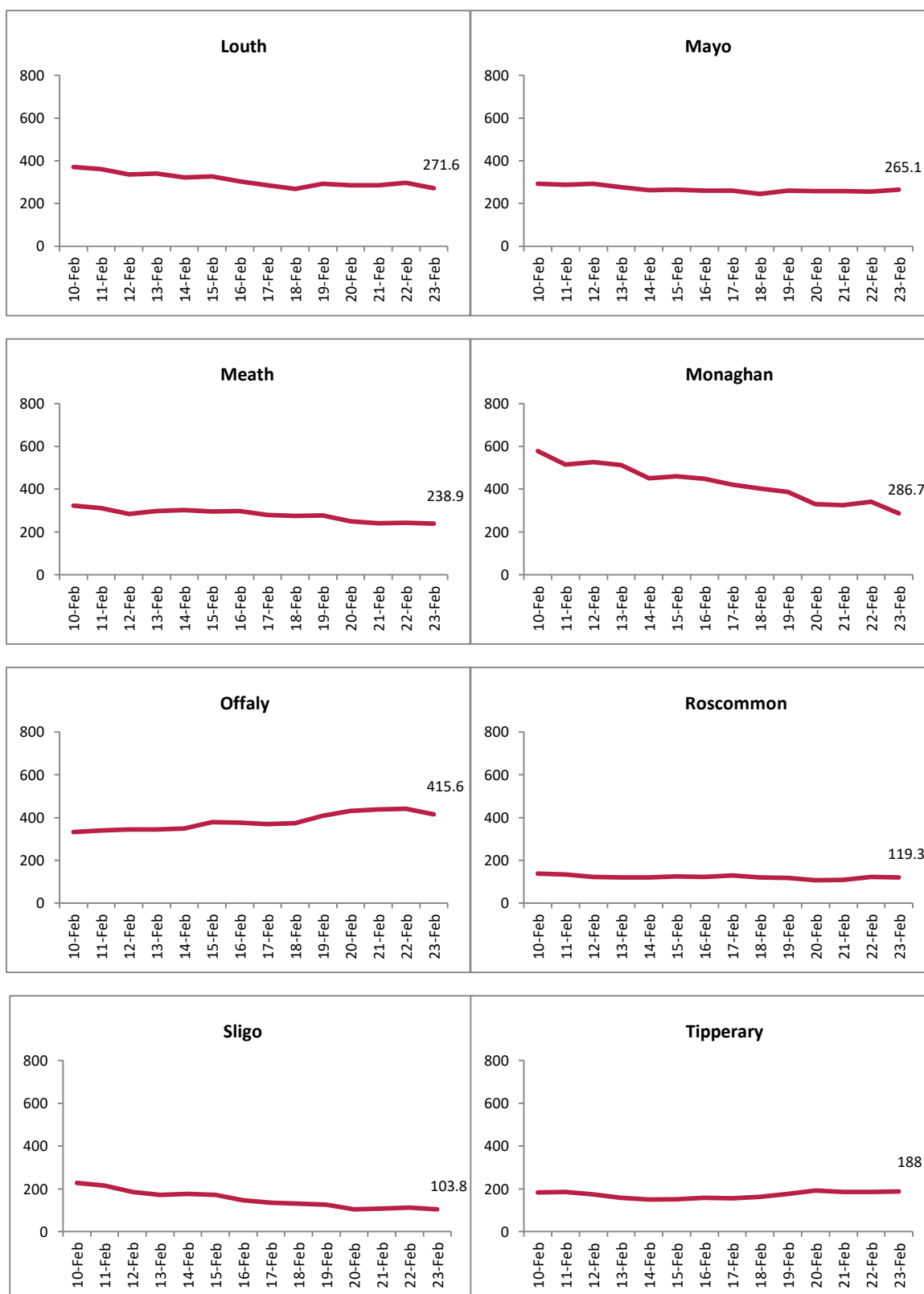
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (10/02/2021 to 23/02/2021)







Report prepared by Health Protection Surveillance Centre on 24/02/2021

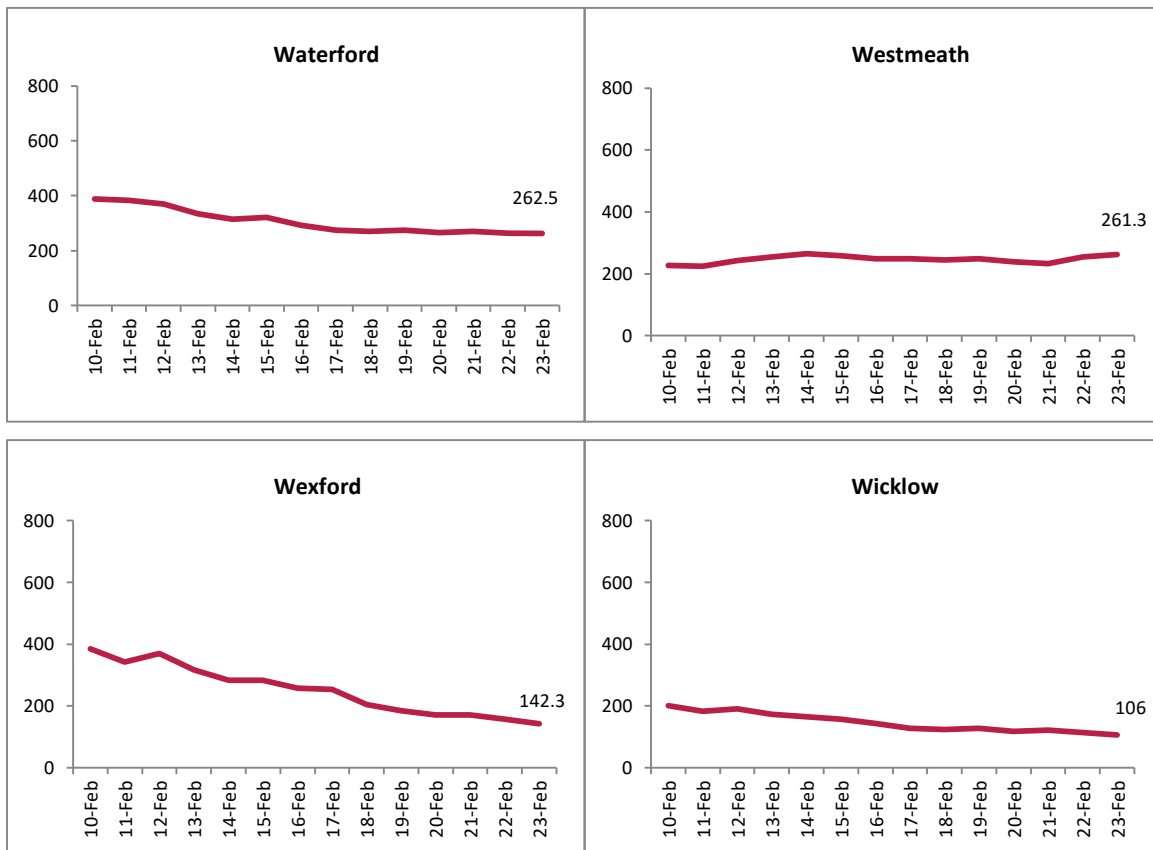


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (10/02/2021 to 23/02/2021)

