



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 23/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 09/02/2021 up to midnight 22/02/2021

	Number	Percent
Total number of confirmed cases	11,448	
National incidence of confirmed cases per 100,000 population	240.41	
Number of cases hospitalised*	770	6.73
Number of cases admitted to ICU*	35	0.31
Number of deaths among confirmed cases	44	0.38
Case fatality ratio (CFR, %)	0.38	
National incidence of confirmed deaths per 100,000 population	0.92	
Number of cases** associated with clusters	1,319	11.52
Number of imported cases	11	0.1
Number of cases in healthcare workers	601	5.25
Males	5,671	49.54
Females	5,754	50.26
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
09/02/2021 - 22/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:49 on 23/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

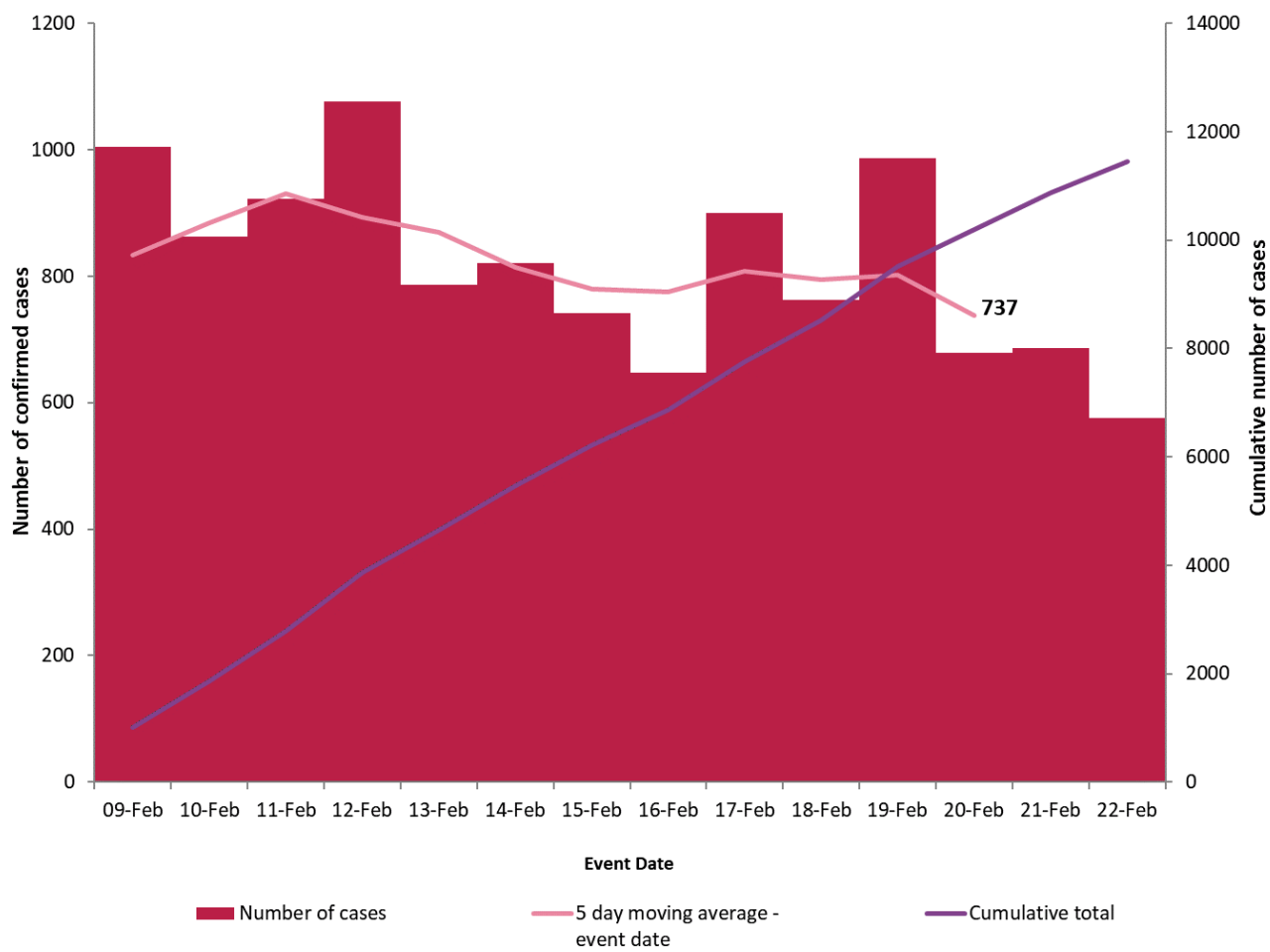


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=11,448)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 09/02/2021 up to midnight on 22/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		11,448	100
Sex	Male:Female ratio	0.99	
	Male	5,671	49.54
	Female	5,754	50.26
	Unknown	23	0.2
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 102	
	0-4 yrs	630	5.5
	5-12 yrs	927	8.1
	13-18 yrs	856	7.48
	19-24 yrs	1,728	15.09
	25-34 yrs	1,860	16.25
	35-44 yrs	1,765	15.42
	45-54 yrs	1,414	12.35
	55-64 yrs	1,057	9.23
	65-74 yrs	529	4.62
	75-84 yrs	420	3.67
	85+ yrs	261	2.28
	Unknown	1	0.01
Symptom status at time of test*	Yes	6,989	61.05
	No	2,312	20.2
	Unknown	2,147	18.75

*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 09/02/2021 to midnight 22/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	774	197.8
CHO2	1,265	279.2
CHO3	794	206.2
CHO4	563	81.5
CHO5	939	184.0
CHO6	909	237.2
CHO7	1,813	256.2
CHO8	1,780	287.4
CHO9	2,610	420.0
Unknown	1	
Total	11,448	240.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 09/02/2021 to midnight 22/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (18/02/2021-22/02/2021)
Offaly	344	441.2	26
Monaghan	210	342.1	13
Dublin	4,573	339.4	271
Galway	853	330.5	52
Louth	382	296.4	29
Laois	250	295.2	15
Kildare	599	269.2	45
Waterford	306	263.4	24
Limerick	512	262.7	41
Mayo	333	255.2	25
Longford	104	254.4	6
Westmeath	225	253.5	17
Meath	473	242.5	26
Cavan	178	233.7	12
Carlow	119	209.0	7
Tipperary	288	180.5	23
Leitrim	56	174.8	3
Donegal	257	161.4	21
Wexford	235	157.0	8
Clare	177	149.0	13
Roscommon	79	122.4	6
Wicklow	161	113.0	13
Sligo	74	112.9	5
Kilkenny	97	97.8	8
Cork	497	91.6	24
Kerry	66	44.7	4
Total	11,448	240.4	737

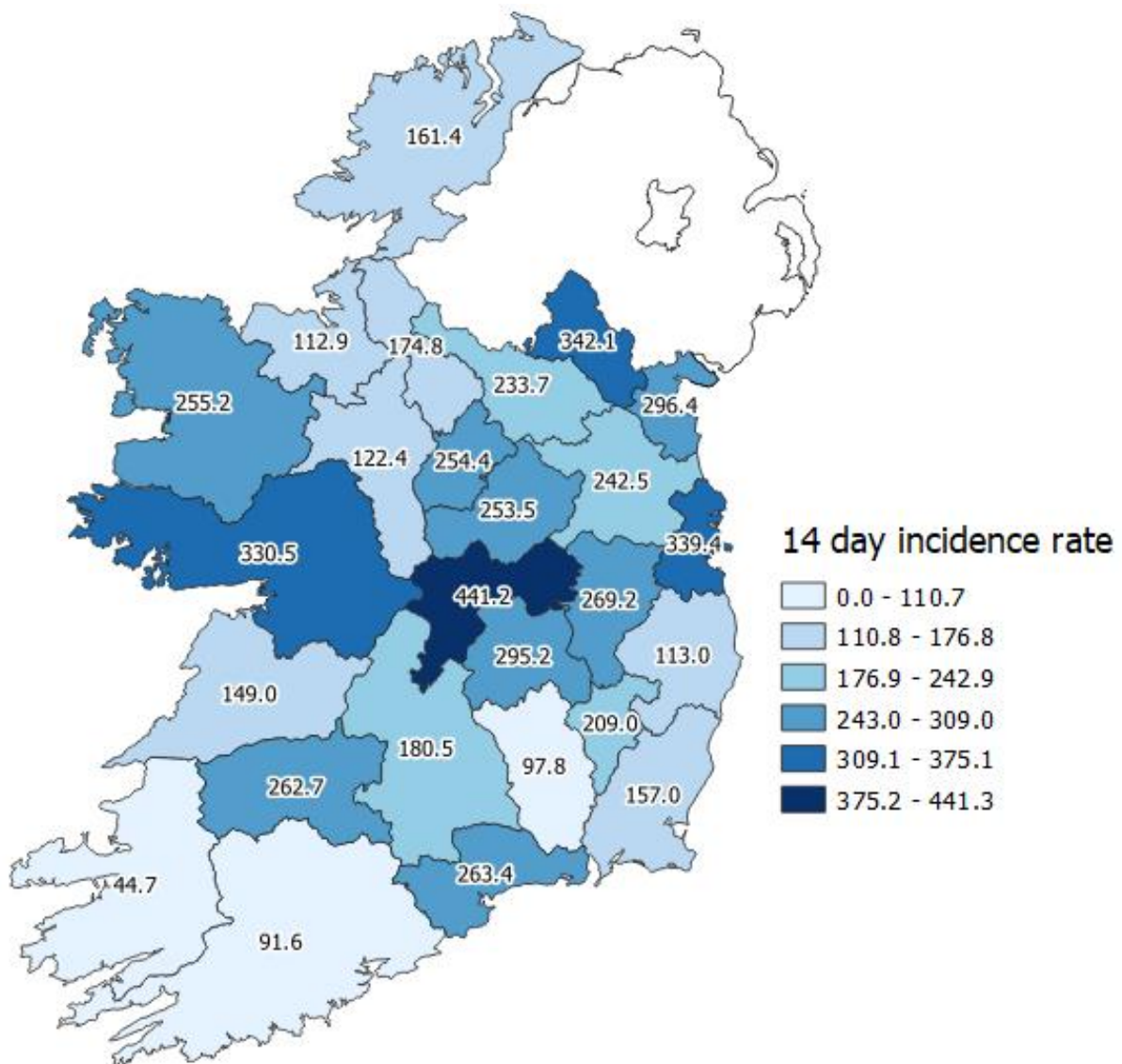


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 09/02/2021 and 22/02/2021

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 09/02/2021 and 22/02/2021

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	187	137.4
CCA2	Dublin South East	566	457.5
CCA3	Dublin South City	236	157.4
CCA4	Dublin South West	399	248.0
CCA5	Dublin West	574	369.5
CCA6	Dublin North West	899	432.9
CCA7	Dublin North Central	1,106	715.5
CCA8	Dublin North	605	233.5
	Unknown	1	
	Dublin	4,573	339.4

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.

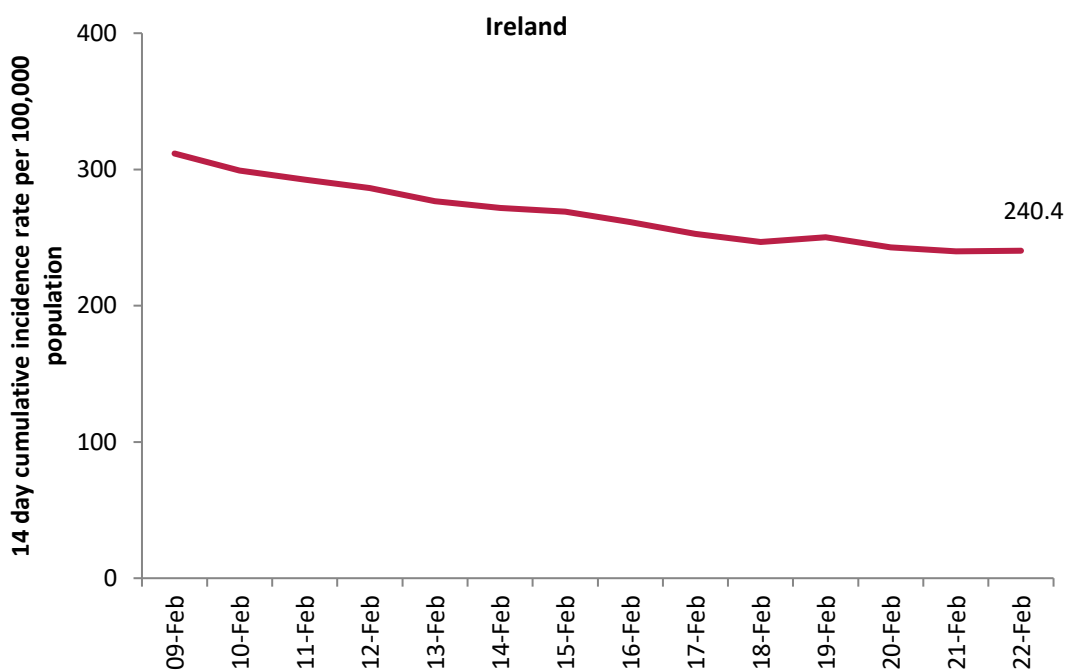


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (09/02/2021 to 22/02/2021)

*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 09/02/2021 to midnight 22/02/2021

Most likely transmission source	Number of cases	Percent
Travel related*	76	0.66%
Close contact with a known confirmed case	6,072	53.04%
Healthcare setting acquired: patient	434	3.79%
Healthcare setting acquired: staff	242	2.11%
Community transmission	2,091	18.27%
Under investigation	2,533	22.13%
Total	11,448	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 09/02/2021 to midnight 22/02/2021 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	630	20	2.60	0	0
5-12 yrs	927	15	1.95	0	0
13-18 yrs	856	16	2.08	0	0
19-24 yrs	1728	42	5.45	<5	
25-34 yrs	1860	69	8.96	<5	
35-44 yrs	1765	70	9.09	<5	
45-54 yrs	1414	90	11.69	9	25.71
55-64 yrs	1057	95	12.34	<5	
65-74 yrs	529	114	14.81	9	25.71
75-84 yrs	420	158	20.52	7	20
85+ yrs	261	81	10.52	0	0
Unknown	1			0	0
Total	11,448	770	100	35	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 09/02/2021 up to midnight 22/02/2021

	Number	Percent
Total number of deaths	46	
Confirmed	44	95.65
Probable	1	2.17
Possible	1	2.17
Total number of cases hospitalised	29	63.04
Total number of male cases	30	65.22
M:F ratio	1.88	
Median age (years)	81	
Mean age (years)	80	
Age range (years)	42 - 95	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 09/02/2021 up to midnight 22/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	4	8.69
65-74 yrs	*	*	7	15.22
75-84 yrs	8	11	19	41.30
85+ yrs	7	9	16	34.78
Total	16	30	46	100
Percent	34.78	65.22		

*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.

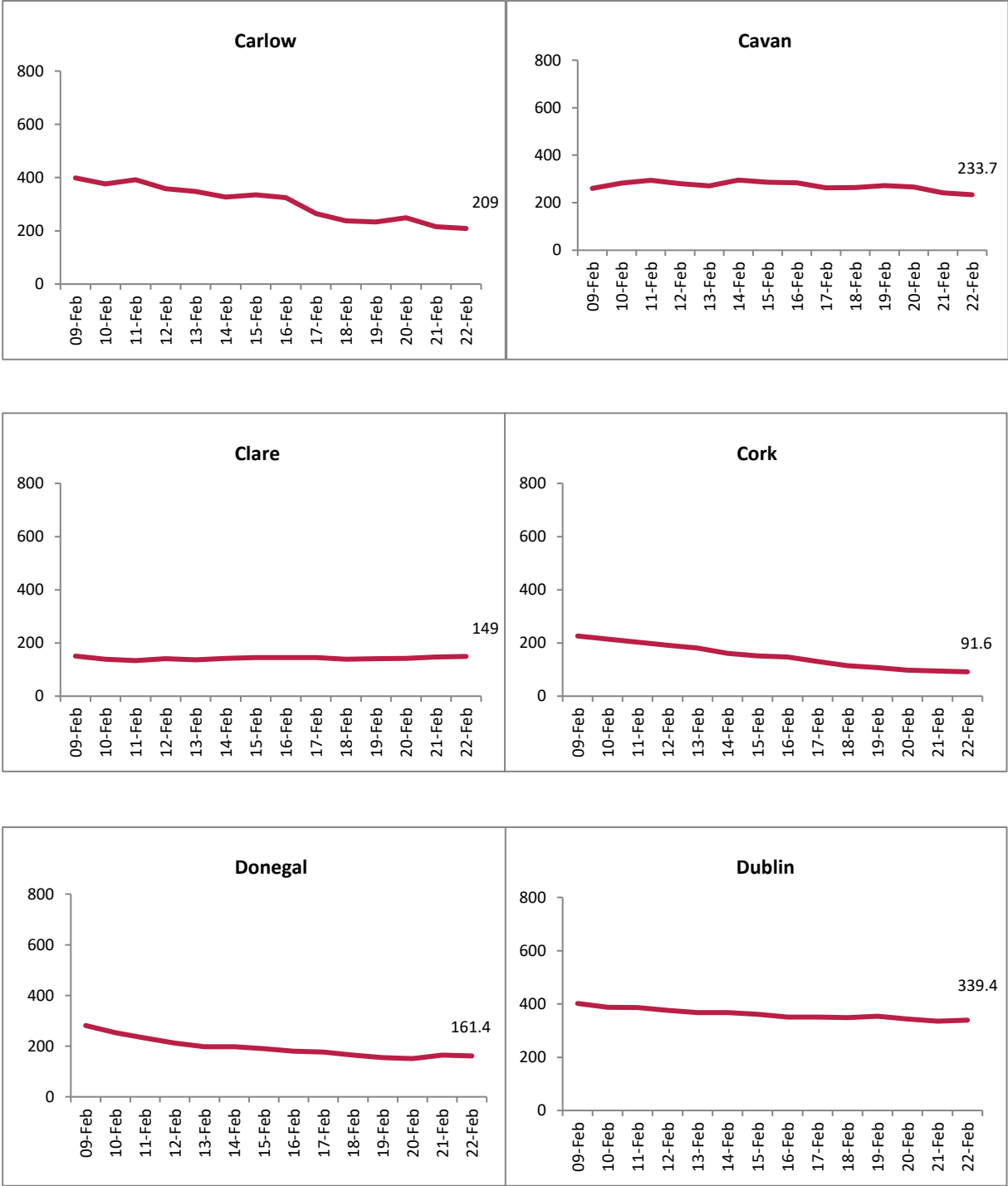
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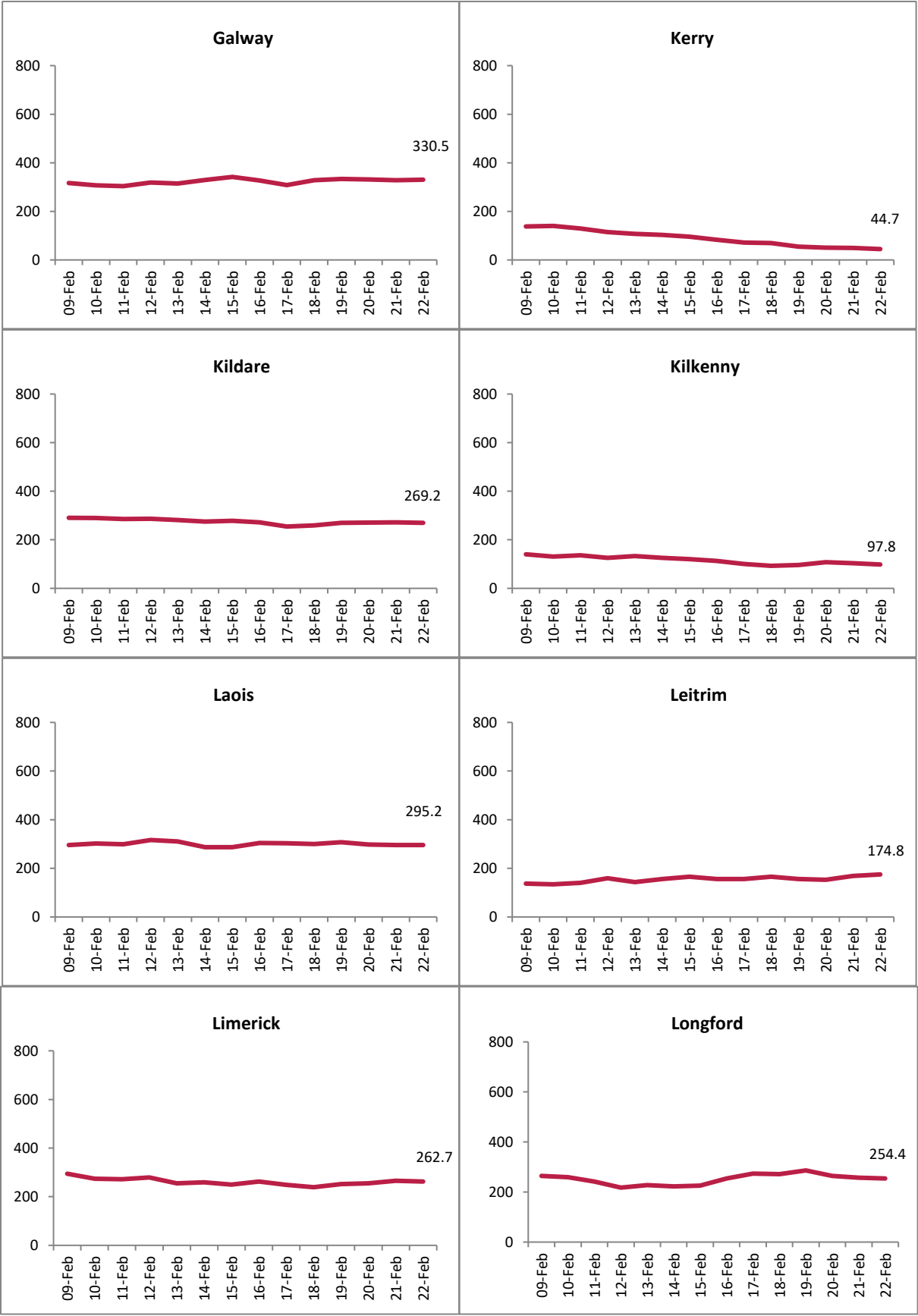
WHO definition of transmission classification is specified below:

- 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 (09/02/2021 to 22/02/2021)





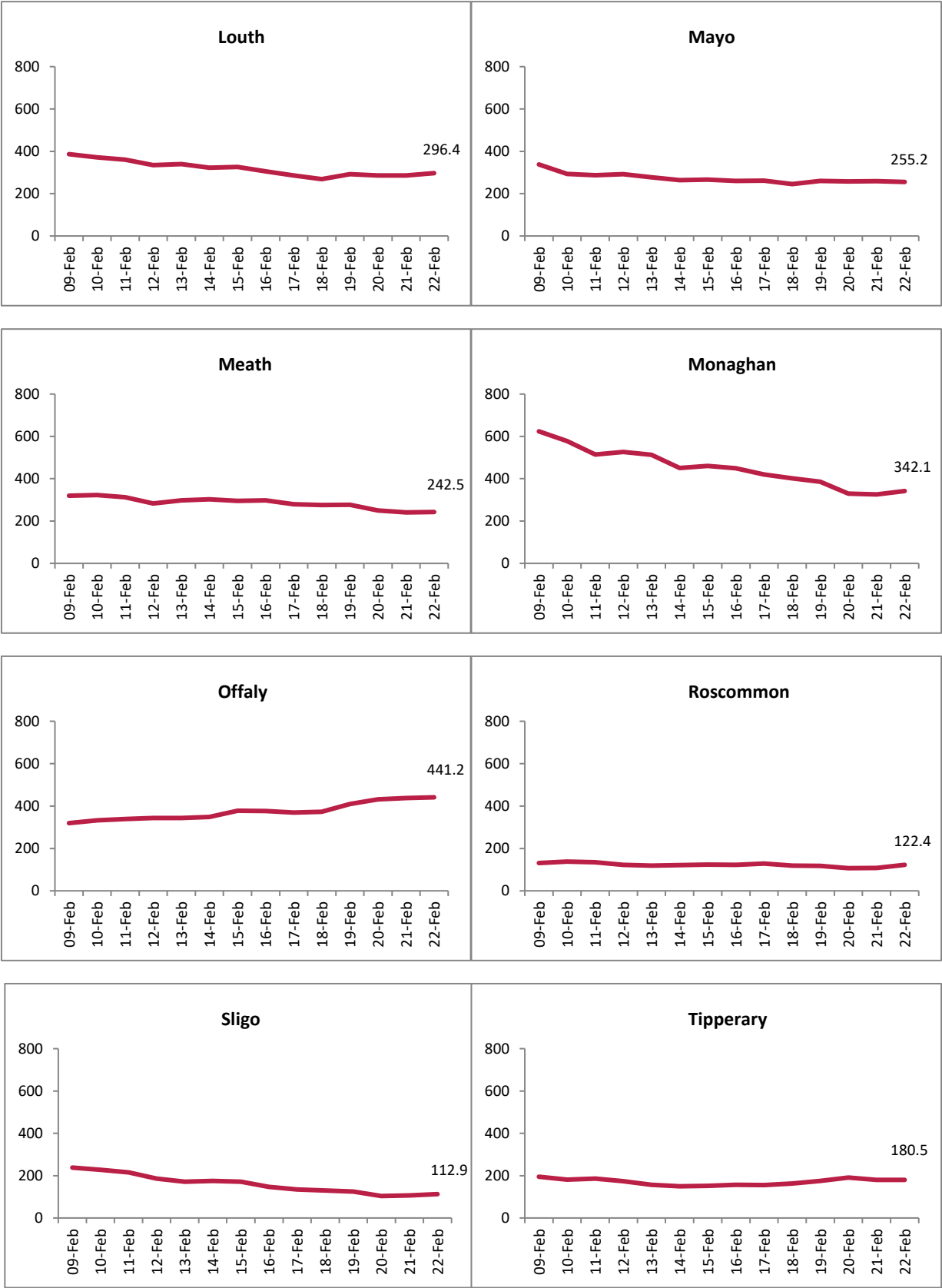




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (09/02/2021 to 22/02/2021)

