



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 03/03/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 17/02/2021 up to midnight 02/03/2021

	Number	Percent
Total number of confirmed cases	9,497	
National incidence of confirmed cases per 100,000 population	199.44	
Number of cases hospitalised*	601	6.33
Number of cases admitted to ICU*	23	0.24
Number of deaths among confirmed cases	26	0.27
Case fatality ratio (CFR, %)	0.27	
National incidence of confirmed deaths per 100,000 population	0.55	
Number of cases** associated with clusters	1,685	17.74
Number of imported cases	31	0.33
Number of cases in healthcare workers	478	5.03
Males	4,707	49.56
Females	4,777	50.3
M:F ratio	0.99	
Median age (years)	33	
Mean age (years)	35	
Age range (years)	0 - 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

**Cases may be associated with outbreaks notified outside the timeframe of this report
17/02/2021 - 02/03/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:46 on 03/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

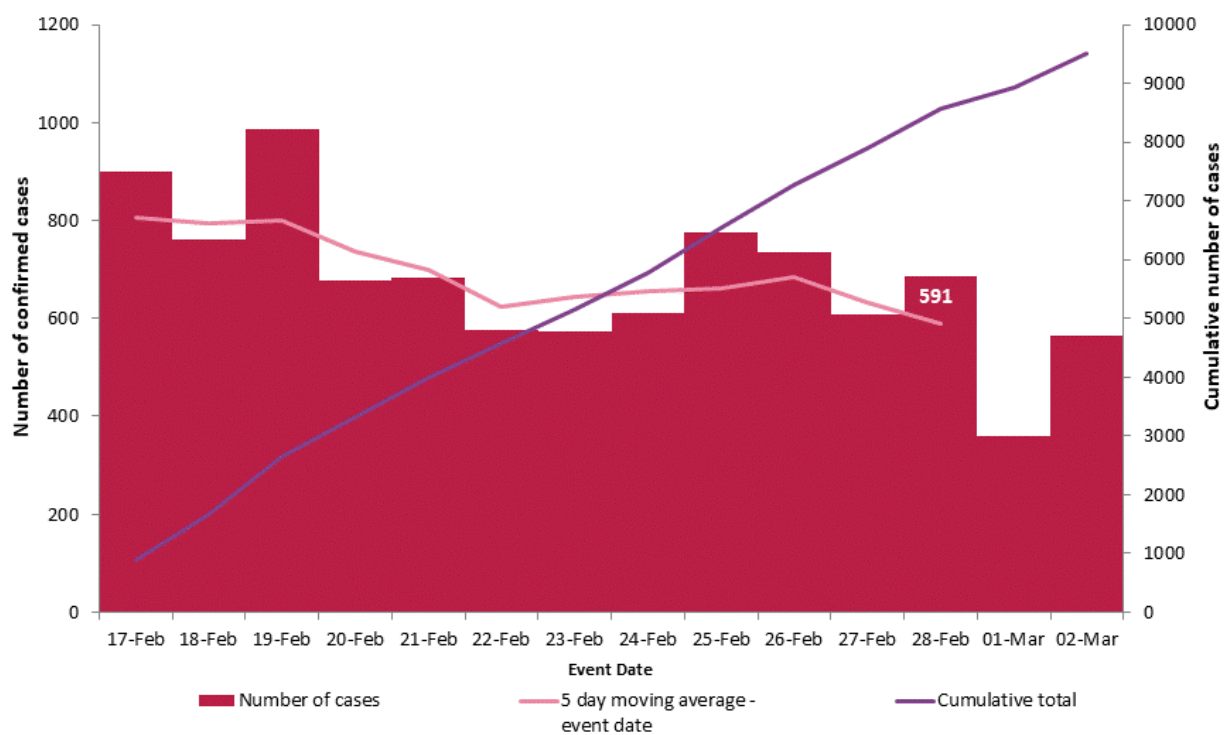


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=9,497)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 17/02/2021 up to midnight on 02/03/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,497	100
Sex	Male:Female ratio	0.99	
	Male	4,707	49.56
	Female	4,777	50.3
	Unknown	13	0.14
Age	Median age (years)	33	
	Mean age (years)	35	
	Age range (years)	0 - 100	
	0-4 yrs	585	6.16
	5-12 yrs	795	8.37
	13-18 yrs	664	6.99
	19-24 yrs	1,435	15.11
	25-34 yrs	1,547	16.29
	35-44 yrs	1,488	15.67
	45-54 yrs	1,207	12.71
	55-64 yrs	845	8.9
	65-74 yrs	413	4.35
	75-84 yrs	300	3.16
	85+ yrs	217	2.28
	Unknown	1	0.01
Symptom status at time of test*	Yes	5,627	59.25
	No	1,873	19.72
	Unknown	1,997	21.03

*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 17/02/2021 to midnight 02/03/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	645	164.8
CHO2	927	204.6
CHO3	819	212.7
CHO4	420	60.8
CHO5	666	130.5
CHO6	766	199.9
CHO7	1,385	195.7
CHO8	1,680	271.3
CHO9	2,188	352.1
Unknown	1	
Total	9,497	199.4

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 17/02/2021 to midnight 02/03/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (26/02/2021-02/03/2021)
Offaly	314	402.8	23
Longford	155	379.2	15
Westmeath	257	289.5	19
Dublin	3,697	274.4	246
Limerick	516	264.8	31
Louth	340	263.8	21
Laois	196	231.4	11
Kildare	502	225.6	23
Galway	575	222.8	28
Meath	418	214.3	25
Mayo	277	212.2	15
Donegal	317	199.1	19
Monaghan	117	190.6	5
Tipperary	294	184.3	16
Waterford	203	174.7	6
Carlow	98	172.1	6
Cavan	115	151.0	5
Clare	178	149.8	13
Leitrim	42	131.1	2
Roscommon	75	116.2	6
Wicklow	141	99.0	9
Sligo	54	82.4	3
Wexford	120	80.1	9
Kilkenny	76	76.6	3
Cork	332	61.2	23
Kerry	88	59.6	9
Total	9,497	199.4	591

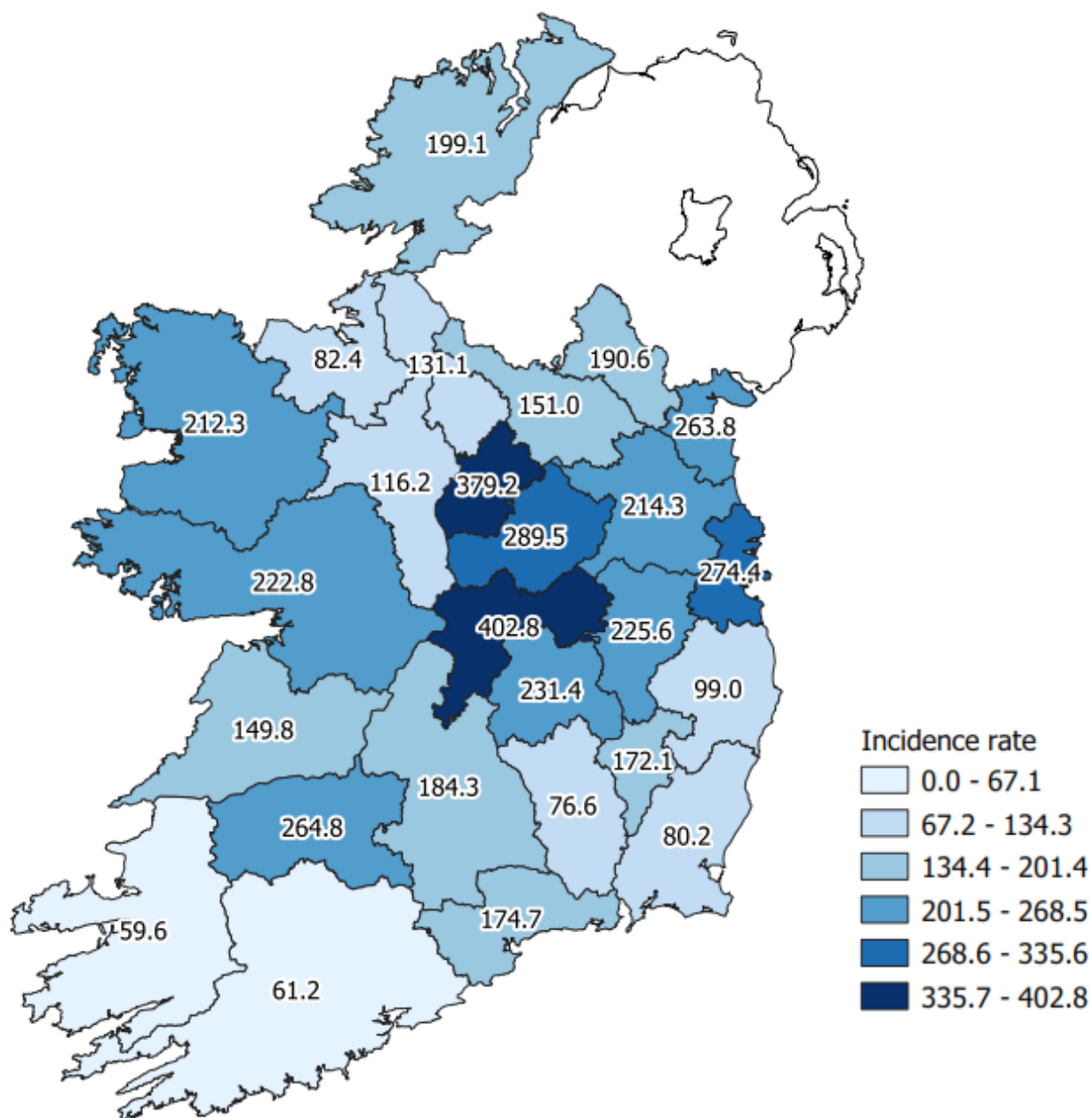


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 17/02/2021 and 02/03/2021

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 17/02/2021 and 02/03/2021

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	175	128.6
CCA2	Dublin South East	457	369.4
CCA3	Dublin South City	171	114.0
CCA4	Dublin South West	285	177.1
CCA5	Dublin West	420	270.4
CCA6	Dublin North West	680	327.4
CCA7	Dublin North Central	993	642.4
CCA8	Dublin North	515	198.7
	Unknown	1	
	Dublin	3,697	274.4

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.

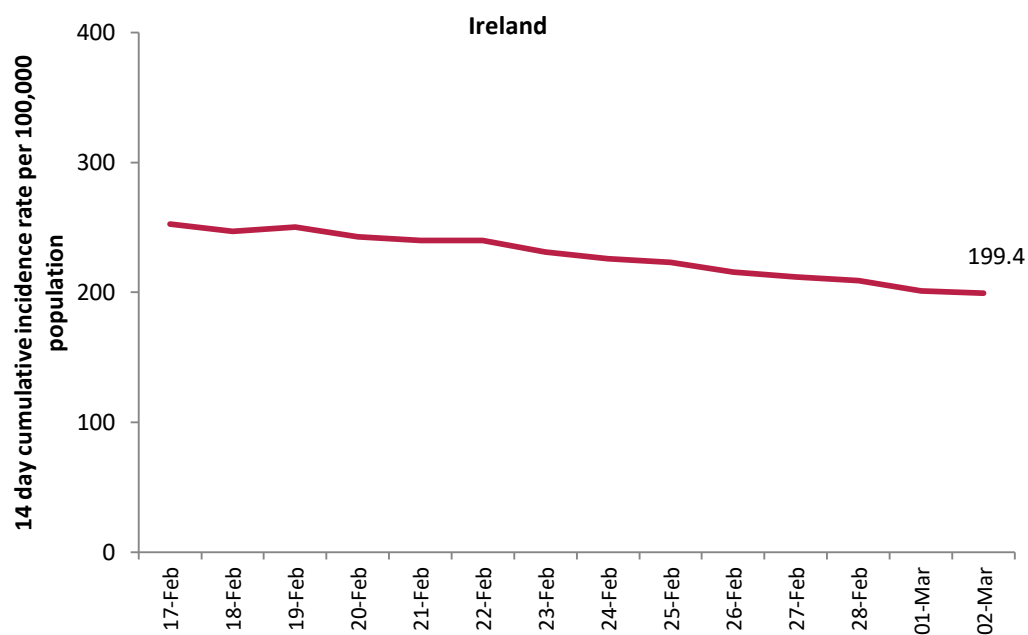


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (17/02/2021 to 02/03/2021)

*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 17/02/2021 to midnight 02/03/2021

Most likely transmission source	Number of cases	Percent
Travel related	86	0.91%
Close contact with a known confirmed case	4,881	51.40%
Healthcare setting acquired: patient	306	3.22%
Healthcare setting acquired: staff	172	1.81%
Community transmission	1,808	19.04%
Under investigation	2,244	23.63%
Total	9,497	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 17/02/2021 to midnight 02/03/2021 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	585	19	3.16	0	0.00
5-12 yrs	795	18	3.00	0	0.00
13-18 yrs	664	20	3.33	0	0.00
19-24 yrs	1,435	59	9.82	0	0.00
25-34 yrs	1,547	57	9.48	0	0.00
35-44 yrs	1,488	63	10.48	5	21.74
45-54 yrs	1,207	72	11.98	8	34.78
55-64 yrs	845	64	10.65	5	21.74
65-74 yrs	413	88	14.64	5	21.74
75-84 yrs	300	82	13.64	0	0.00
85+ yrs	217	58	9.65	0	0.00
Unknown	1	1	0.17	0	0.00
Total	9,497	601	100	23	100.00

* 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 17/02/2021 up to midnight 02/03/2021

	Number	Percent
Total number of deaths	29	
Confirmed	26	89.66
Probable	1	3.45
Possible	2	6.9
Total number of cases hospitalised	18	62.07
Total number of male cases	19	65.52
M:F ratio	1.9	
Median age (years)	80	
Mean age (years)	79	
Age range (years)	52 - 92	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 17/02/2021 up to midnight 02/03/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	*	*	3	10.35
65-74 yrs	*	*	8	27.59
75-84 yrs	*	*	6	20.69
85+ yrs	5	7	12	41.38
Total	10	19	29	100
Percent	34.48	65.52		

* 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.

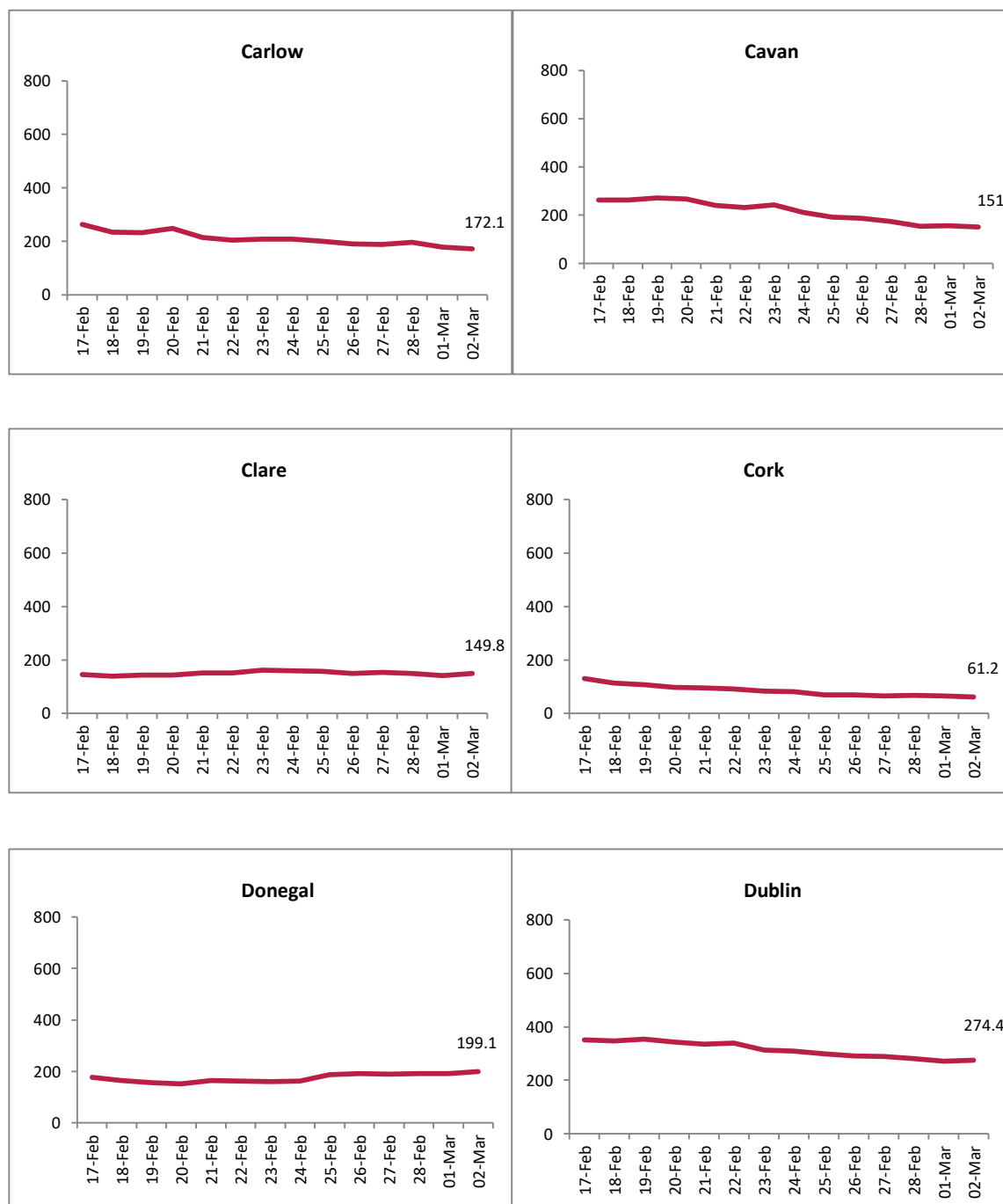
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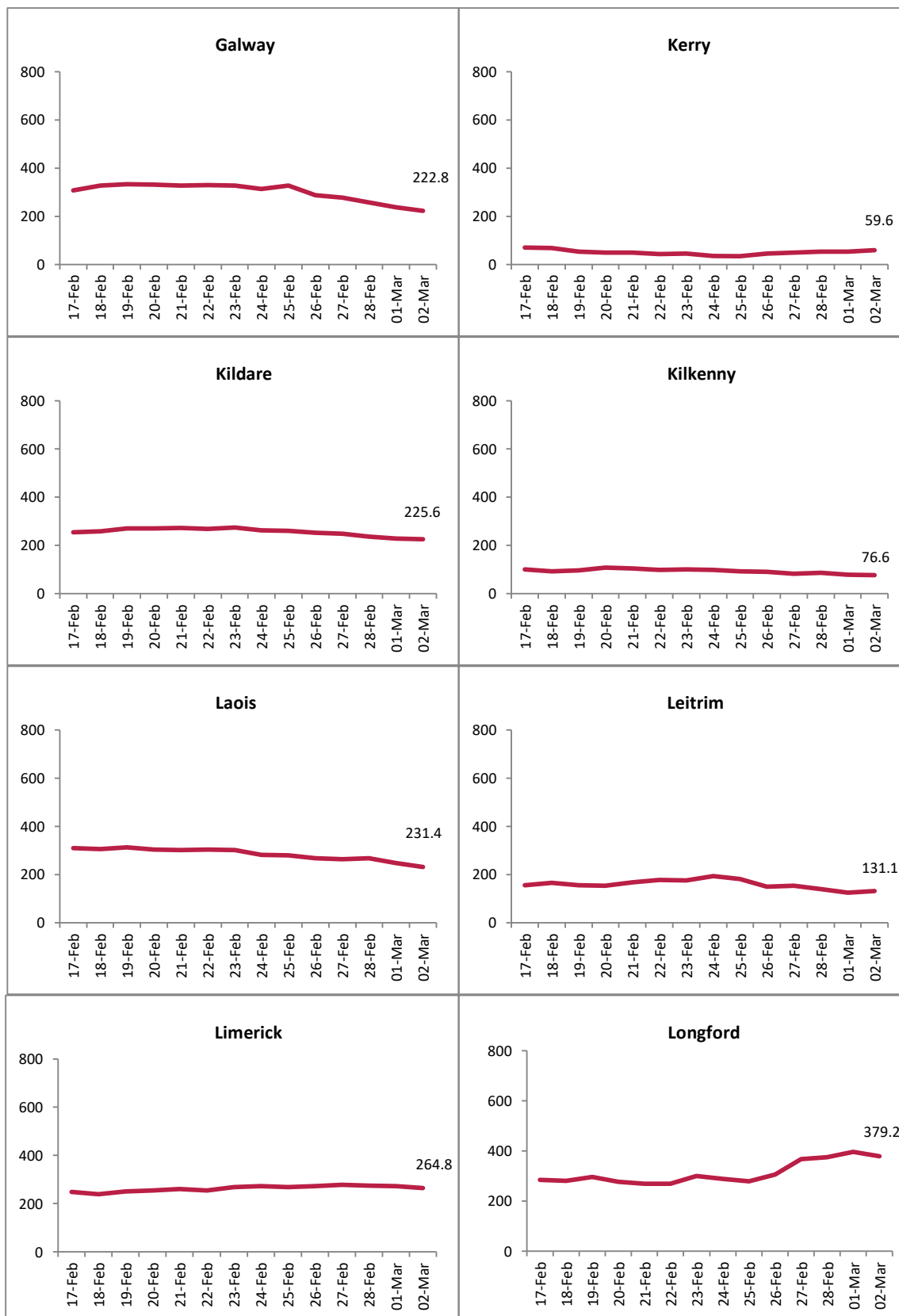
WHO definition of transmission classification is specified below:

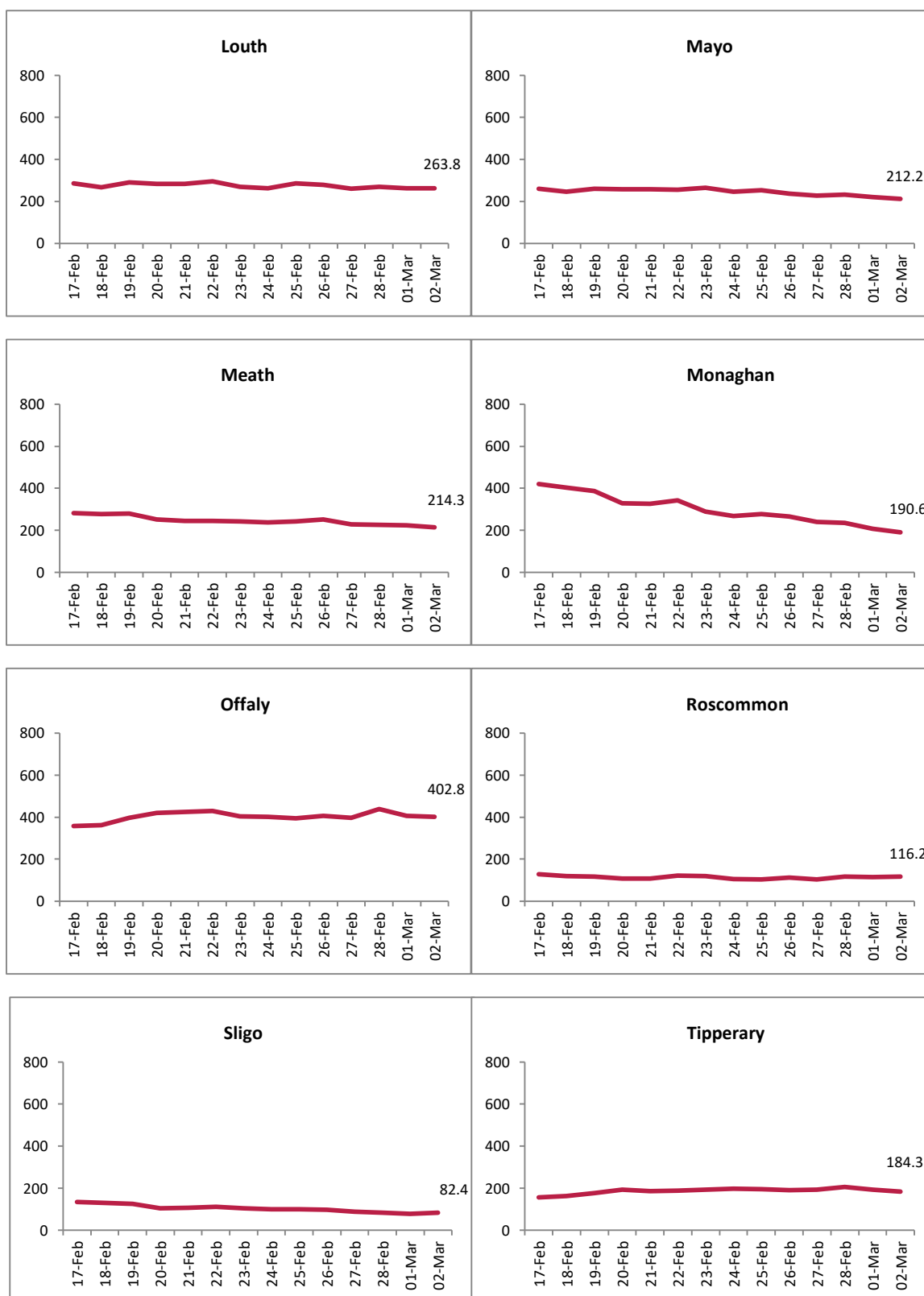
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (17/02/2021 to 02/03/2021)







Report prepared by Health Protection Surveillance Centre on 03/03/2021

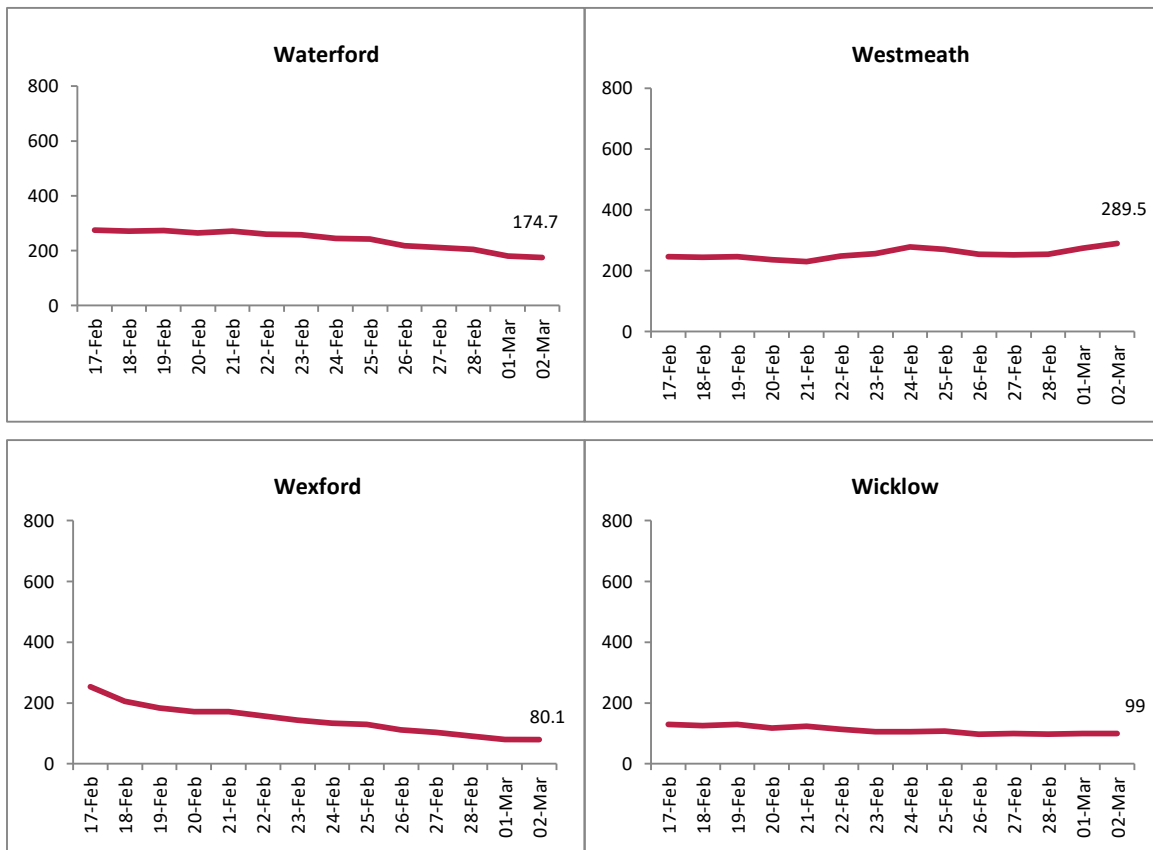
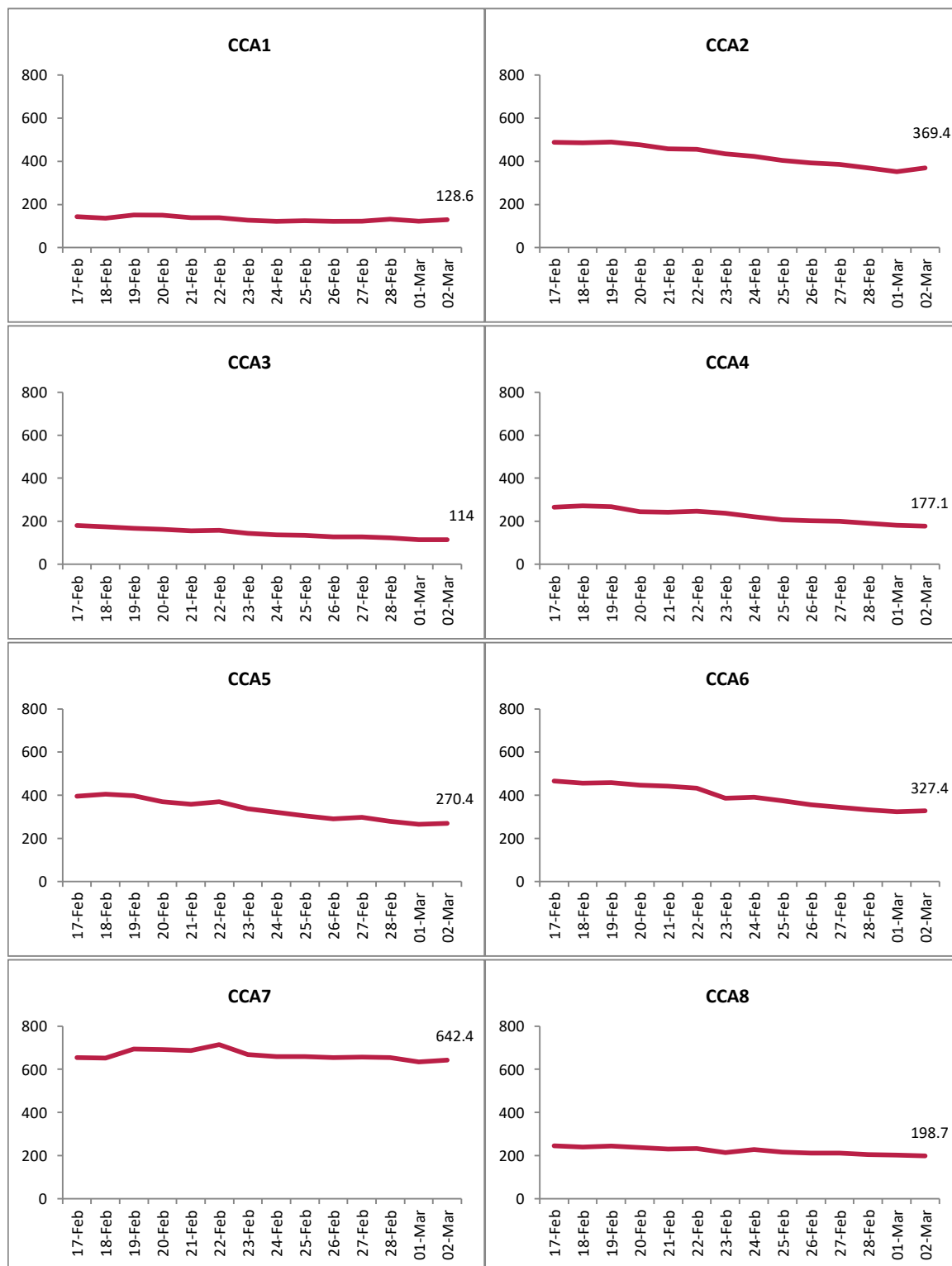


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (17/02/2021 to 02/03/2021)



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