



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 27/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 13/02/2021 up to midnight 26/02/2021

	Number	Percent
Total number of confirmed cases	10,277	
National incidence of confirmed cases per 100,000 population	215.82	
Number of cases hospitalised*	678	6.6
Number of cases admitted to ICU*	30	0.29
Number of deaths among confirmed cases	40	0.39
Case fatality ratio (CFR, %)	0.39	
National incidence of confirmed deaths per 100,000 population	0.84	
Number of cases** associated with clusters	1,699	16.53
Number of imported cases	18	0.18
Number of cases in healthcare workers	506	4.92
% HCW where HCW status known (n=8,164)		6.2
Males	5,161	50.22
Females	5,100	49.63
M:F ratio	1.01	
Median age (years)	33	
Mean age (years)	35	
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
13/02/2021 - 26/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:04 on 27/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

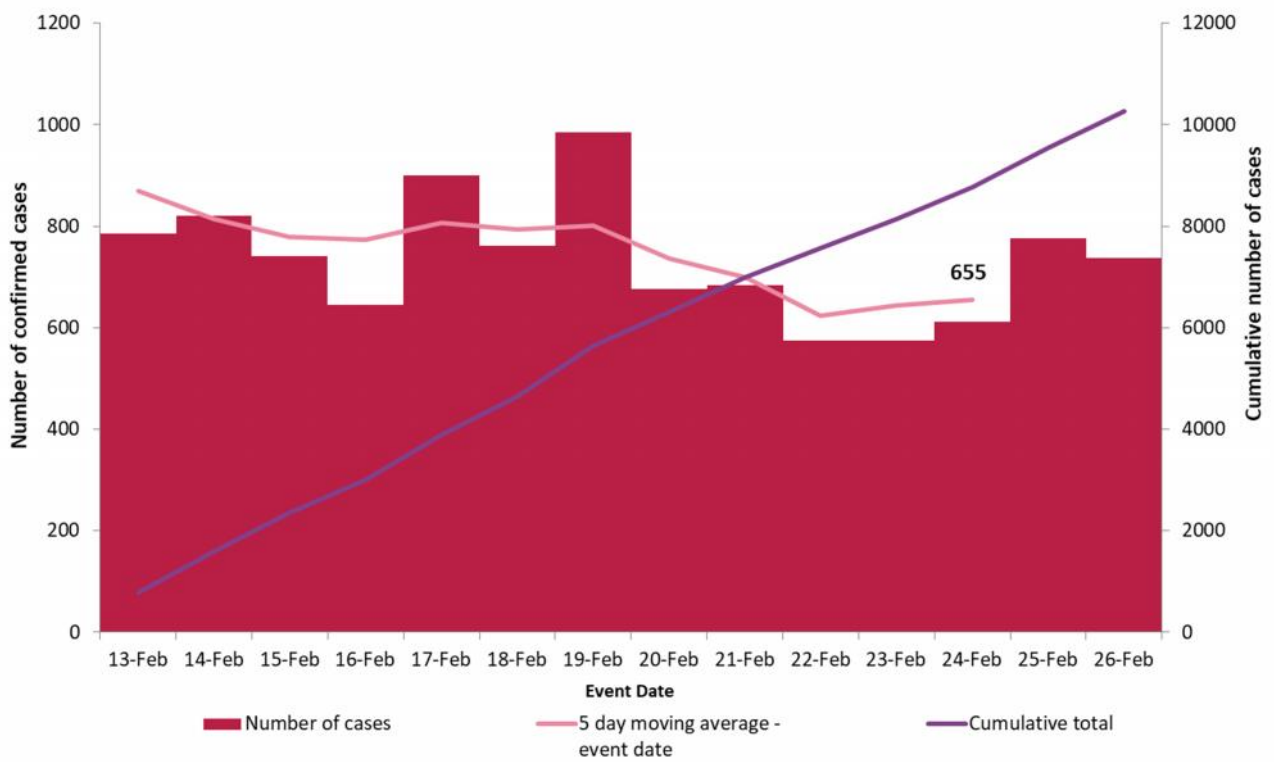


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=10,277)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 13/02/2021 up to midnight on 26/02/2021

Characteristic		Number of cases	Percent	
Total number of confirmed cases		10,277	100	
Sex	Male:Female ratio	1.01		
	Male	5,161	50.22	
	Female	5,100	49.63	
	Unknown	16	0.16	
Age	Median age (years)	33		
	Mean age (years)	35		
	Age range (years)	0 - 102		
	0-4 yrs	609	5.93	
	5-12 yrs	835	8.12	
	13-18 yrs	722	7.03	
	19-24 yrs	1,630	15.86	
	25-34 yrs	1,633	15.89	
	35-44 yrs	1,591	15.48	
	45-54 yrs	1,301	12.66	
	55-64 yrs	883	8.59	
	65-74 yrs	456	4.44	
	75-84 yrs	364	3.54	
	85+ yrs	252	2.45	
Unknown	1	0.01		
Symptom status at time of test*	Yes	6,035	58.72	74.83
	No	2,030	19.75	25.17
	Unknown	2,212	21.52	

*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 13/02/2021 to midnight 26/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	720	184.0
CHO2	1,121	247.4
CHO3	833	216.4
CHO4	442	64.0
CHO5	802	157.2
CHO6	784	204.6
CHO7	1,535	216.9
CHO8	1,740	281.0
CHO9	2,300	370.1
Total	10,277	215.8

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 13/02/2021 to midnight 26/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (22/02/2021-26/02/2021)
Offaly	317	406.6	22
Longford	125	305.8	8
Dublin	3,919	290.9	242
Galway	744	288.3	40
Louth	360	279.3	24
Limerick	537	275.5	40
Laois	224	264.5	14
Monaghan	162	263.9	9
Westmeath	226	254.6	20
Kildare	562	252.6	34
Meath	486	249.2	36
Mayo	305	233.7	17
Waterford	257	221.2	14
Carlow	111	195.0	9
Donegal	304	191.0	27
Cavan	144	189.0	7
Tipperary	297	186.1	18
Clare	178	149.8	11
Leitrim	48	149.8	4
Roscommon	72	111.6	7
Wexford	167	111.5	8
Wicklow	138	96.9	8
Sligo	63	96.1	4
Kilkenny	89	89.7	4
Cork	374	68.9	25
Kerry	68	46.0	8
Total	10,277	215.8	655

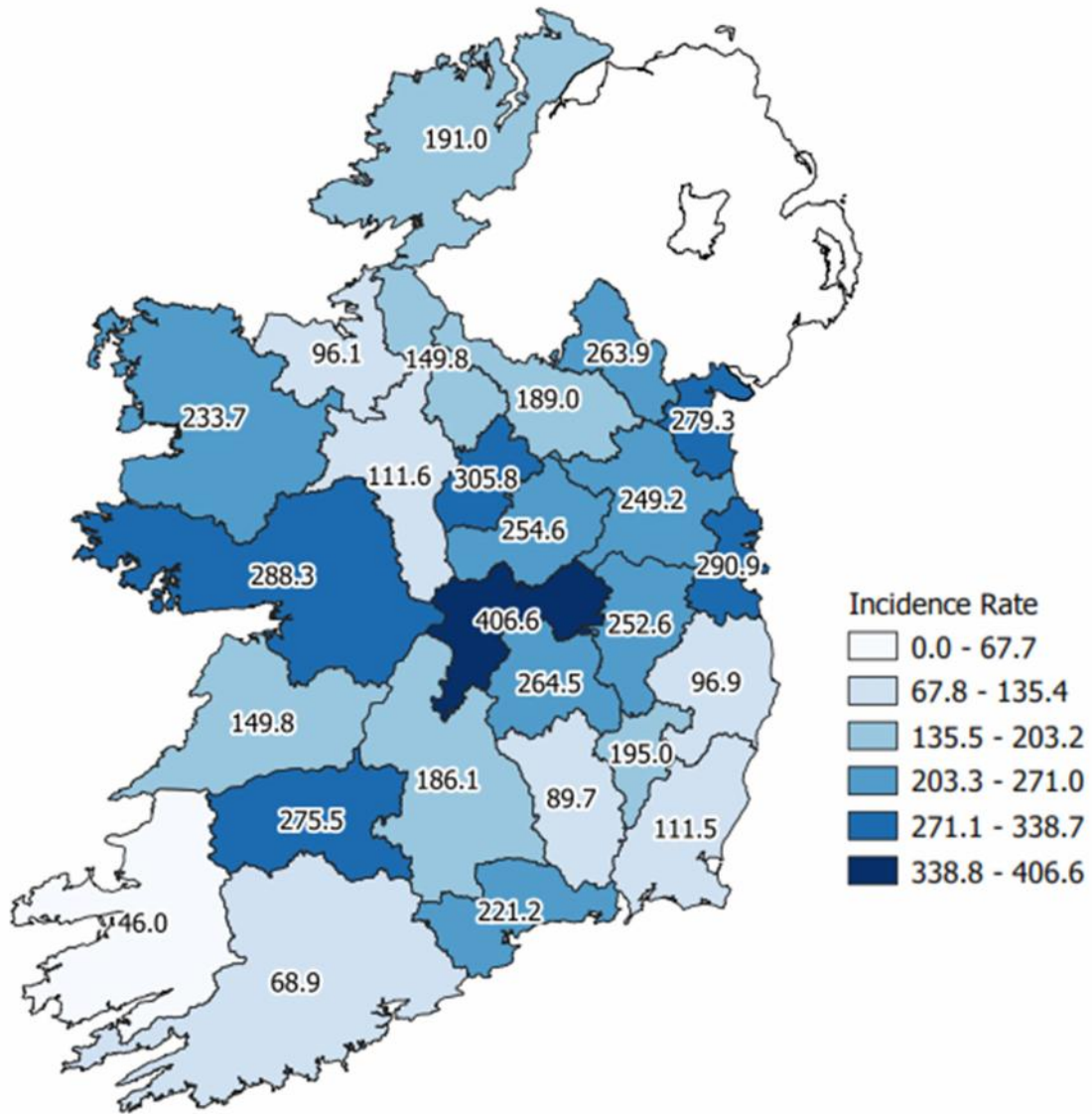


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 13/02/2021 and 26/02/2021

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 13/02/2021 and 26/02/2021

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	165	121.3
CCA2	Dublin South East	488	394.5
CCA3	Dublin South City	190	126.7
CCA4	Dublin South West	325	202.0
CCA5	Dublin West	451	290.3
CCA6	Dublin North West	740	356.3
CCA7	Dublin North Central	1,011	654.0
CCA8	Dublin North	549	211.8
	Dublin	3,919	290.9

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.

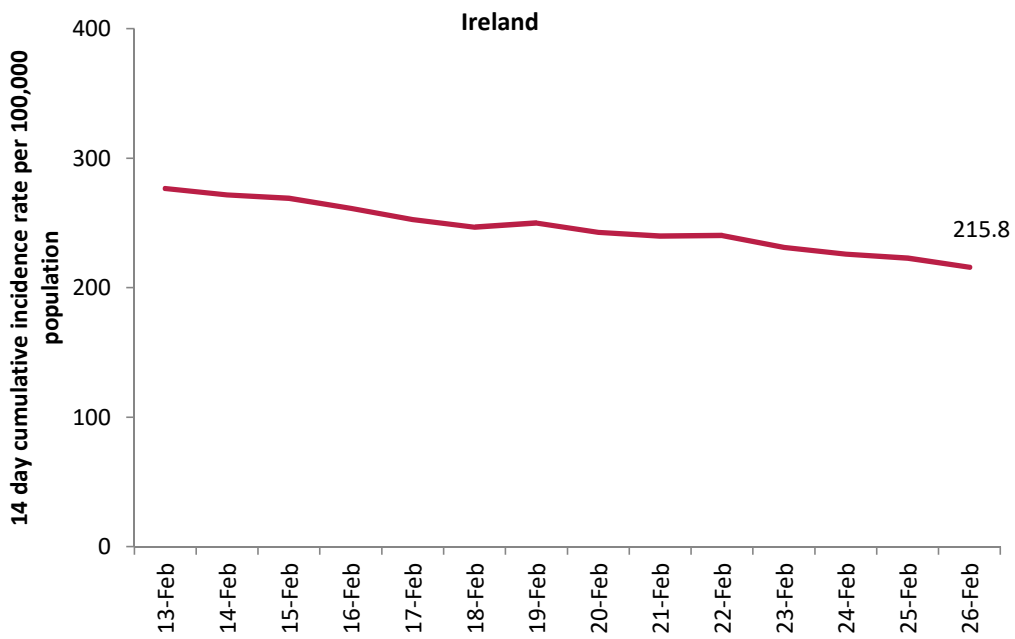


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (13/02/2021 to 26/02/2021)

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 5 of this report

Table 5: Number of confirmed COVID-19 cases by most likely transmission source notified from 13/02/2021 to midnight 26/02/2021

Most likely transmission source	Number of cases	Percent
Travel related*	77	0.75%
Close contact with a known confirmed case	5,257	51.15%
Healthcare setting acquired: patient	372	3.62%
Healthcare setting acquired: staff	215	2.09%
Community transmission	1,875	18.24%
Under investigation	2,481	24.14%
Total	10,277	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 13/02/2021 to midnight 26/02/2021 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	609	16	2.36	0	0.00
5-12 yrs	835	10	1.47	0	0.00
13-18 yrs	722	18	2.65	0	0.00
19-24 yrs	1630	56	8.26	0	0.00
25-34 yrs	1633	59	8.70	<5	3.33
35-44 yrs	1591	62	9.14	<5	3.33
45-54 yrs	1301	88	12.98	10	33.33
55-64 yrs	883	77	11.36	7	23.33
65-74 yrs	456	106	15.63	9	30.00
75-84 yrs	364	115	16.96	<5	6.67
85+ yrs	252	70	10.32	0	0.00
Unknown	1	1	0.15	0	0.00
Total	10,277	678	100	30	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 13/02/2021 up to midnight 26/02/2021

	Number	Percent
Total number of deaths	42	
Confirmed	40	95.24
Probable	1	2.38
Possible	1	2.38
Total number of cases hospitalised	26	61.9
Total number of male cases	27	64.29
M:F ratio	1.8	
Median age (years)	83	
Mean age (years)	81	
Age range (years)	52 - 93	

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 13/02/2021 up to midnight 26/02/2021

Age group (years)	Female	Male	Total	Percent
45-54 yrs	<5	<5	<5	2.38
55-64 yrs	<5	<5	<5	4.76
65-74 yrs	<5	<5	6	14.29
75-84 yrs	5	10	15	35.71
85+ yrs	8	10	18	42.86
Total	15	27	42	100
Percent	35.71	64.29		

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 09:04 on 27/02/2021. 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.

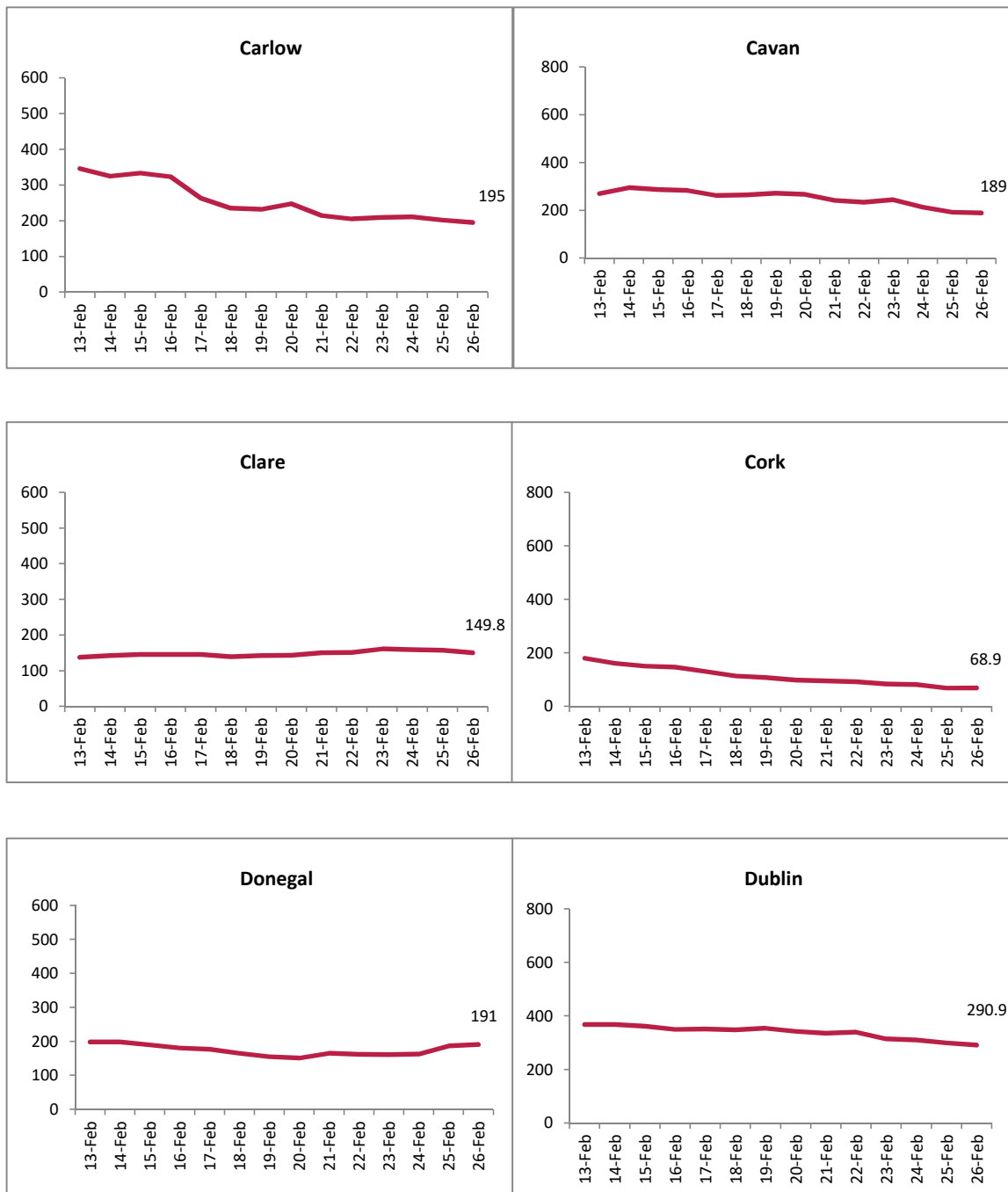
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

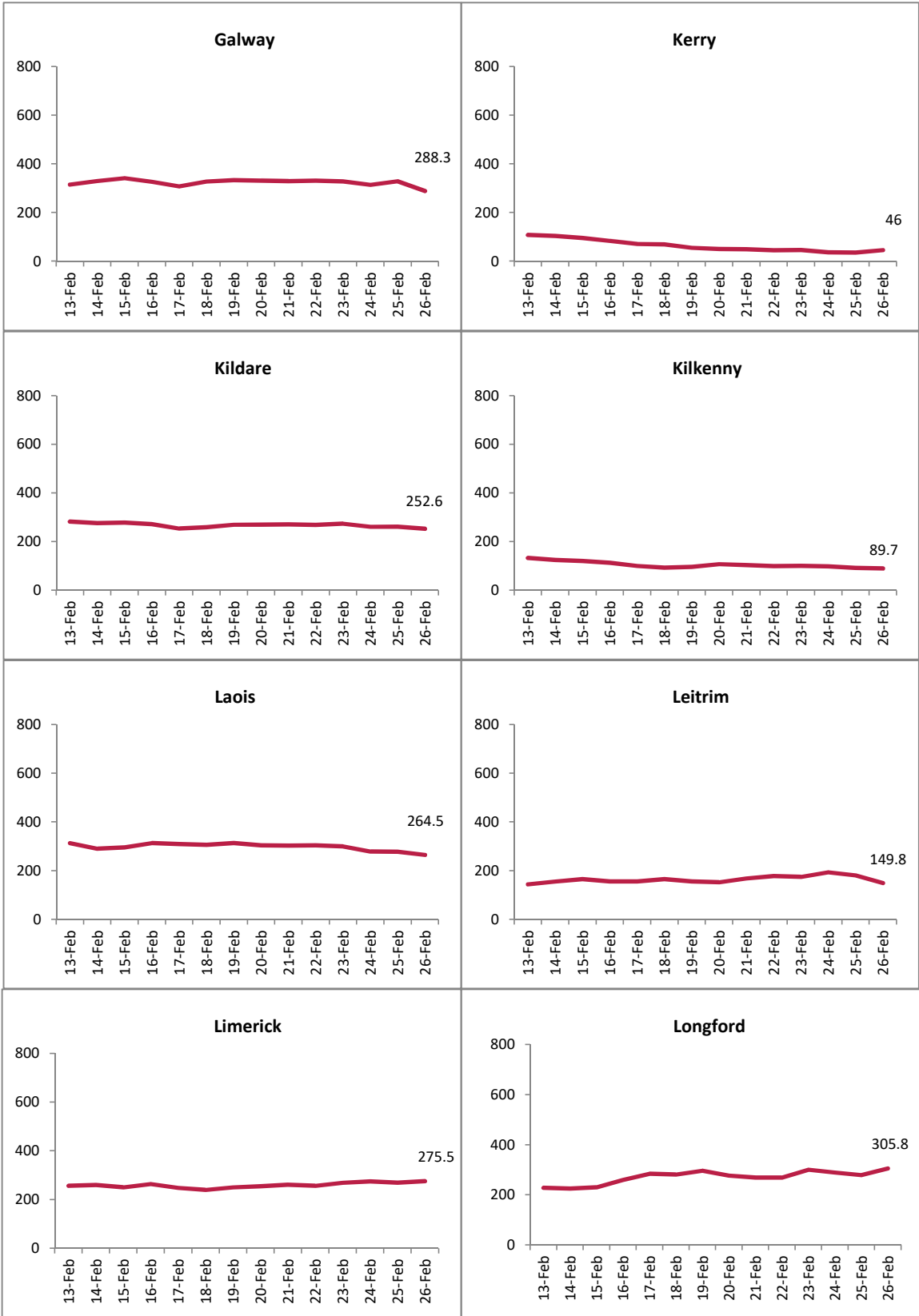
WHO definition of transmission classification is specified below:

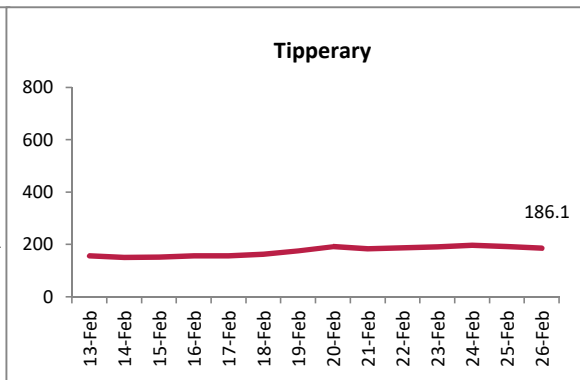
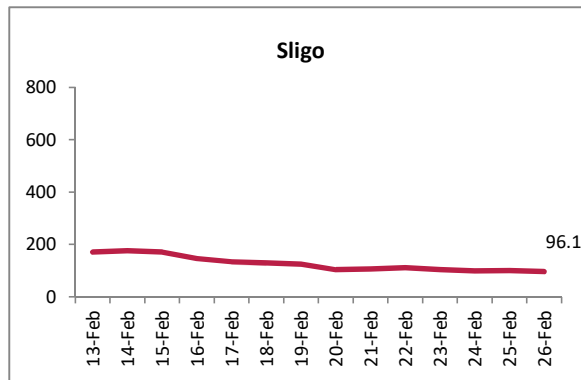
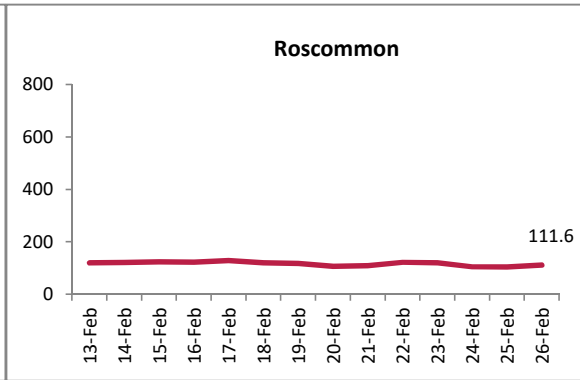
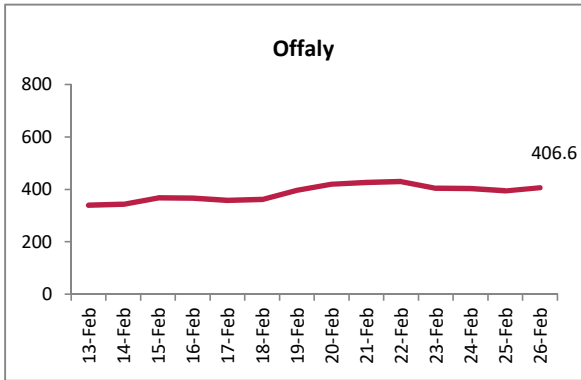
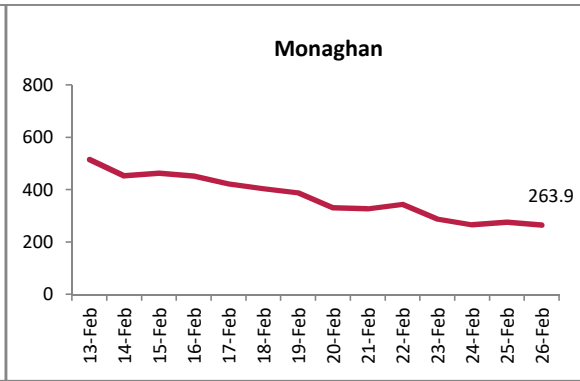
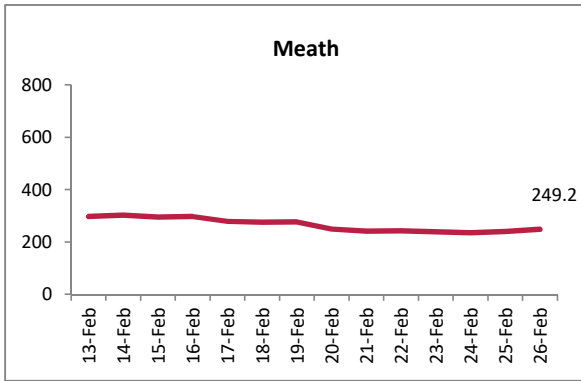
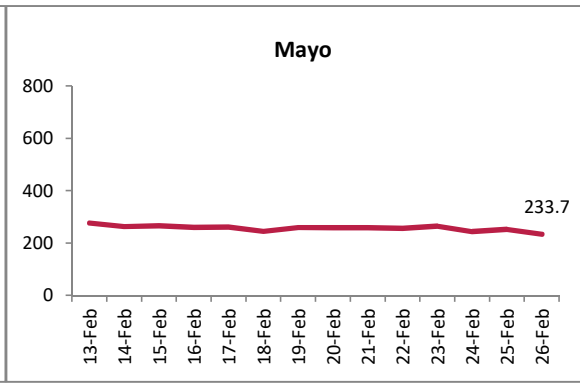
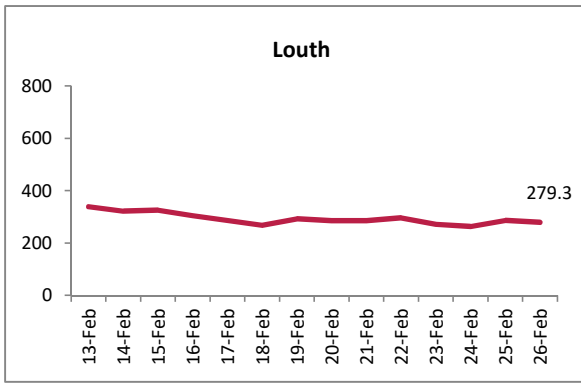
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (13/02/2021 to 26/02/2021)







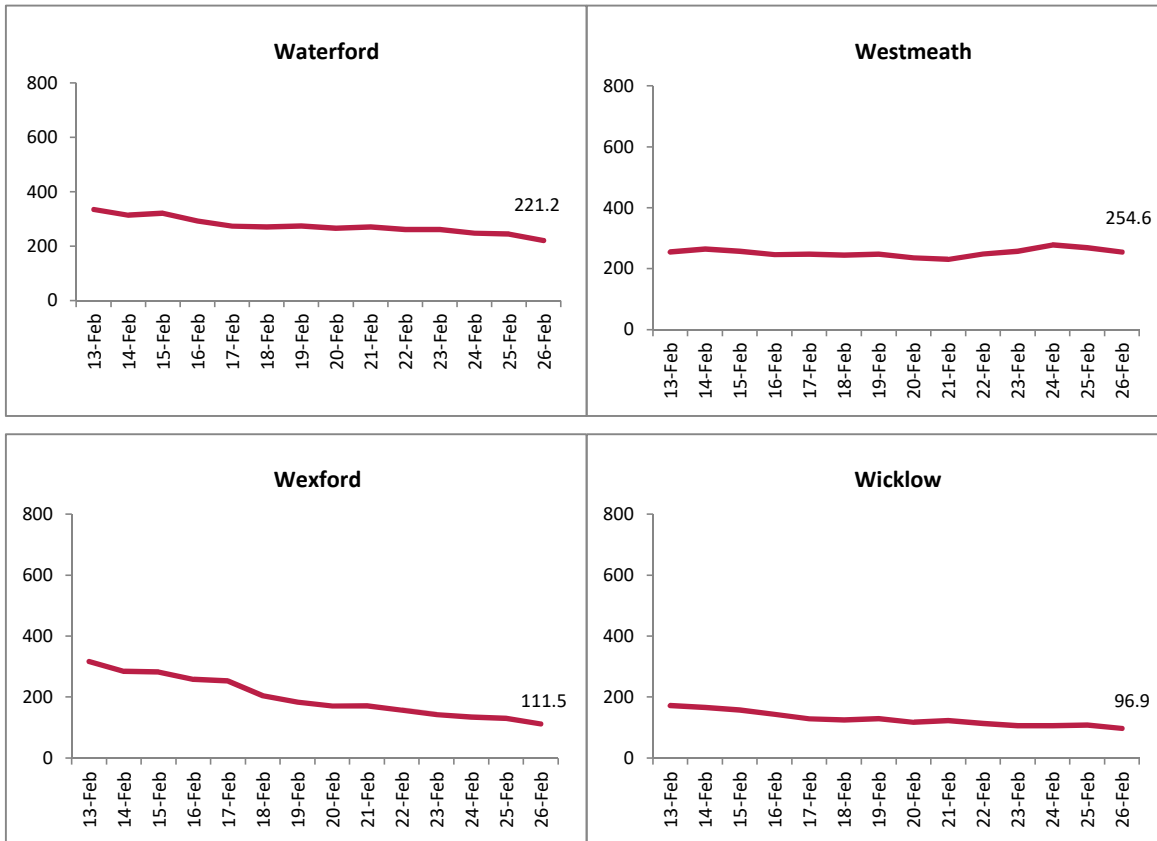
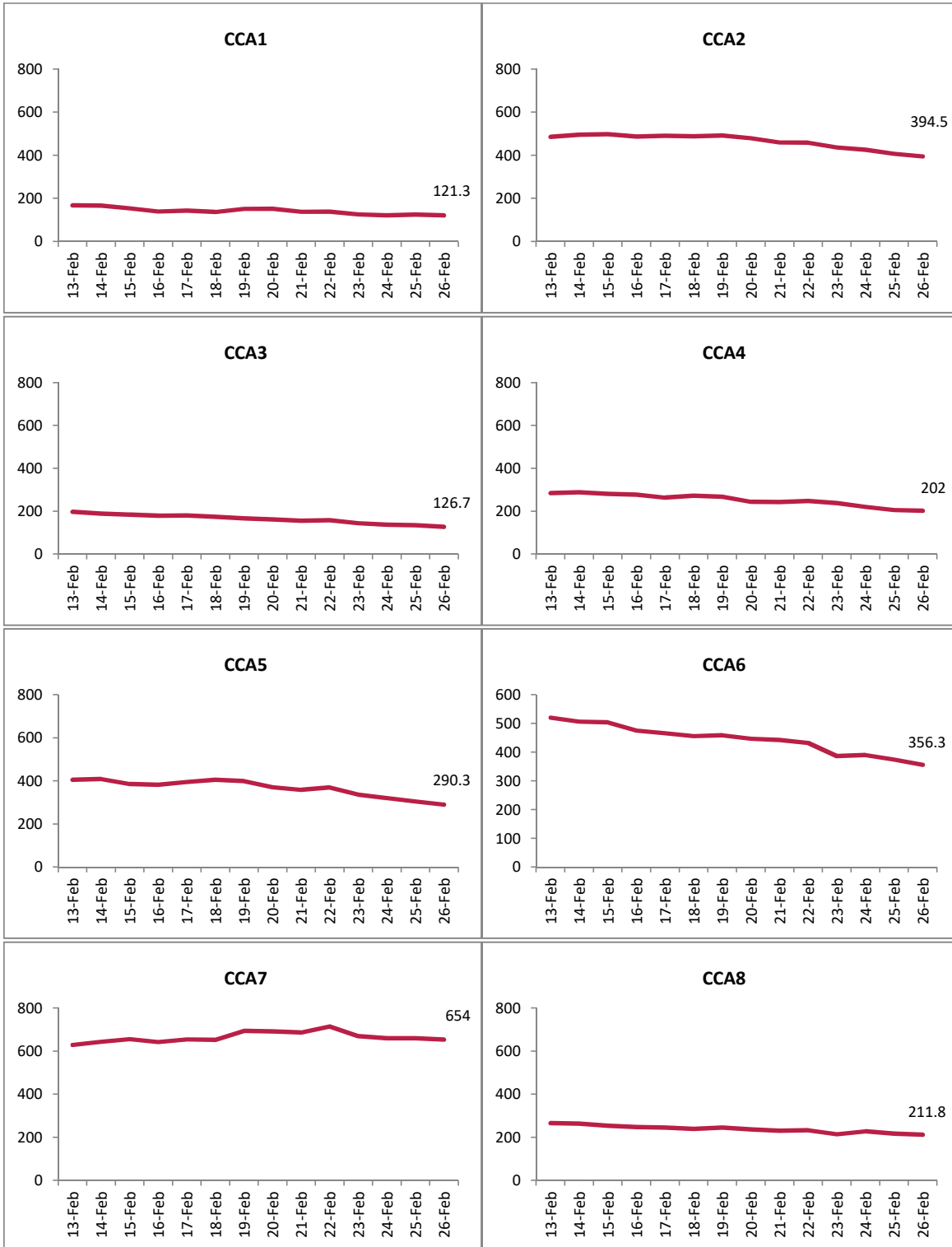


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (13/02/2021 to 26/02/2021)



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