



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 09/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 26/01/2021 up to midnight 08/02/2021

	Number	Percent
Total number of confirmed cases	15,189	
National incidence of confirmed cases per 100,000 population	318.97	
Number of cases hospitalised*	1,160	7.64
Number of cases admitted to ICU*	47	0.31
Number of deaths among confirmed cases	107	0.7
Case fatality ratio (CFR, %)	0.7	
National incidence of confirmed deaths per 100,000 population	2.25	
Number of cases** associated with clusters	2,415	15.9
Number of imported cases	7	0.05
Number of cases in healthcare workers	1,661	10.94
Males	7,241	47.67
Females	7,934	52.24
M:F ratio	0.91	
Median age (years)	40	
Mean age (years)	42	
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
26/01/2021 - 08/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 08:00 on 09/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

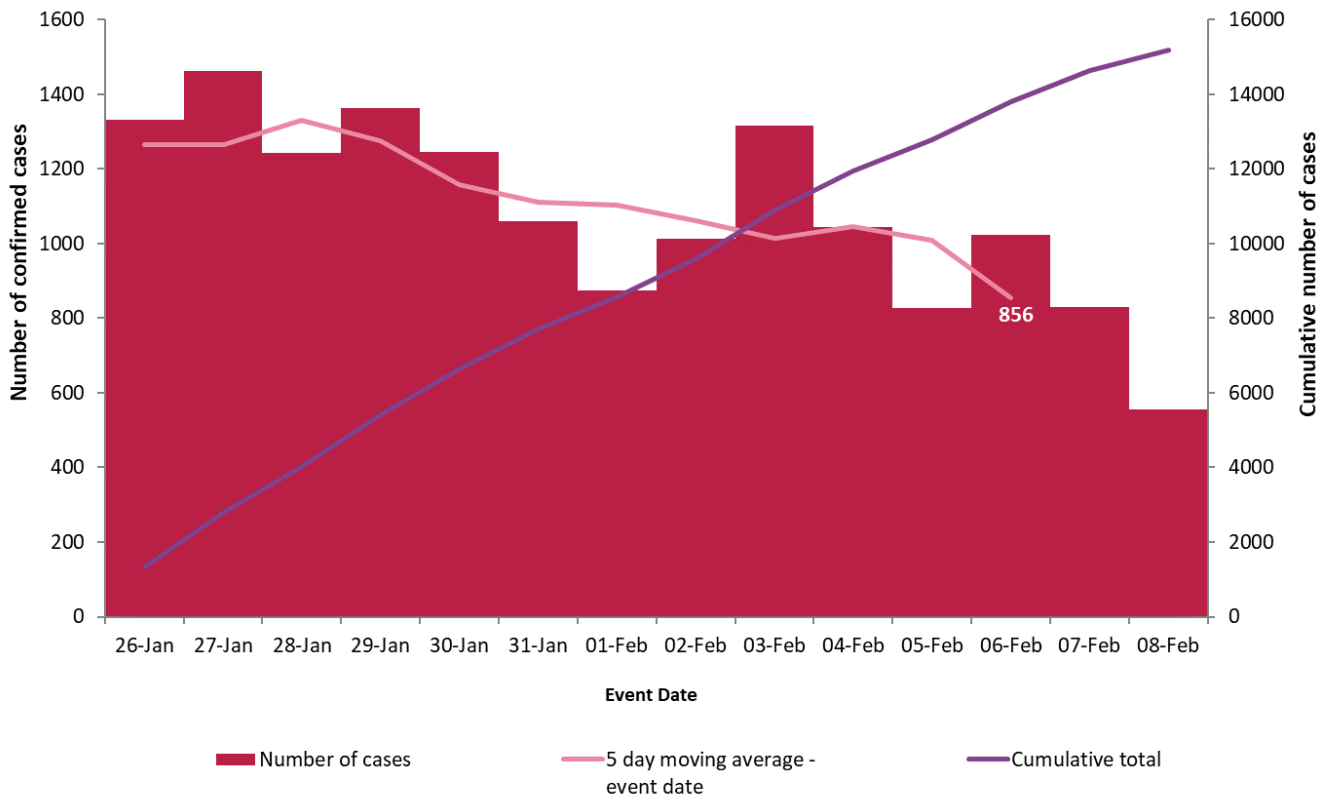


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=15,189)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 26/01/2021 up to midnight on 08/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		15,189	100
Sex	Male:Female ratio	0.91	
	Male	7,241	47.67
	Female	7,934	52.24
	Unknown	14	0.09
Age	Median age (years)	40	
	Mean age (years)	42	
	Age range (years)	0 - 105	
	0-4 yrs	499	3.29
	5-12 yrs	735	4.84
	13-18 yrs	972	6.4
	19-24 yrs	1,663	10.95
	25-34 yrs	2,410	15.87
	35-44 yrs	2,555	16.82
	45-54 yrs	2,312	15.22
	55-64 yrs	1,596	10.51
	65-74 yrs	888	5.85
	75-84 yrs	814	5.36
	85+ yrs	737	4.85
	Unknown	8	0.05
Underlying clinical conditions	Yes	1,407	9.26
	No	11,074	72.91
	Unknown	2,708	17.83
Symptom status at time of test*	Yes	9,827	64.7
	No	2,452	16.14
	Unknown	2,910	19.16

*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 26/01/2021 to midnight 08/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,292	330.2
CHO2	1,396	308.1
CHO3	971	252.2
CHO4	1,481	214.5
CHO5	1,702	333.5
CHO6	1,274	332.5
CHO7	2,245	317.2
CHO8	2,009	324.4
CHO9	2,818	453.5
Unknown	1	
Total	15,189	319.0

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 26/01/2021 to midnight 08/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (04/02/2021-08/02/2021)
Monaghan	400	651.6	22
Carlow	257	451.4	14
Waterford	518	445.9	27
Wexford	611	408.1	37
Louth	524	406.6	27
Dublin	5,346	396.8	303
Mayo	458	350.9	25
Meath	651	333.8	40
Galway	853	330.5	42
Offaly	248	318.1	14
Limerick	619	317.6	38
Kildare	669	300.7	39
Donegal	474	297.8	26
Cavan	220	288.8	16
Longford	118	288.7	8
Laois	243	286.9	16
Westmeath	218	245.6	16
Sligo	156	238.0	8
Cork	1,273	234.5	65
Wicklow	323	226.8	18
Tipperary	324	203.1	14
Clare	198	166.6	12
Leitrim	48	149.8	2
Kilkenny	147	148.1	9
Kerry	208	140.8	12
Roscommon	85	131.7	6
Total	15,189	319.0	856

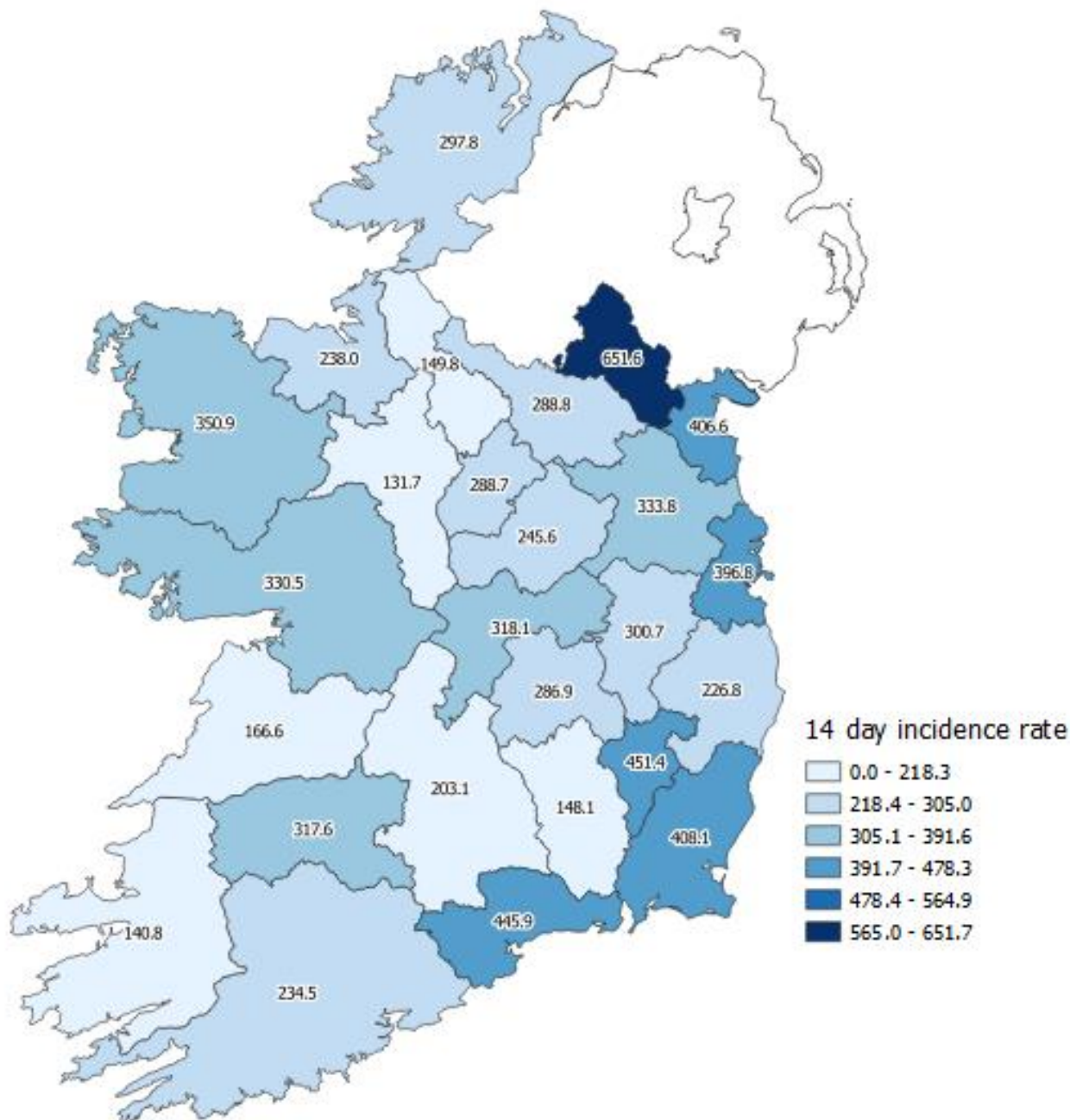


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 26/01/2021 and 08/02/2021

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 26/01/2021 and 08/02/2021

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	330	242.5
CCA2	Dublin South East	629	508.5
CCA3	Dublin South City	342	228.1
CCA4	Dublin South West	499	310.1
CCA5	Dublin West	728	468.6
CCA6	Dublin North West	1,157	557.1
CCA7	Dublin North Central	861	557.0
CCA8	Dublin North	800	308.7
	Dublin	5,346	396.8

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.

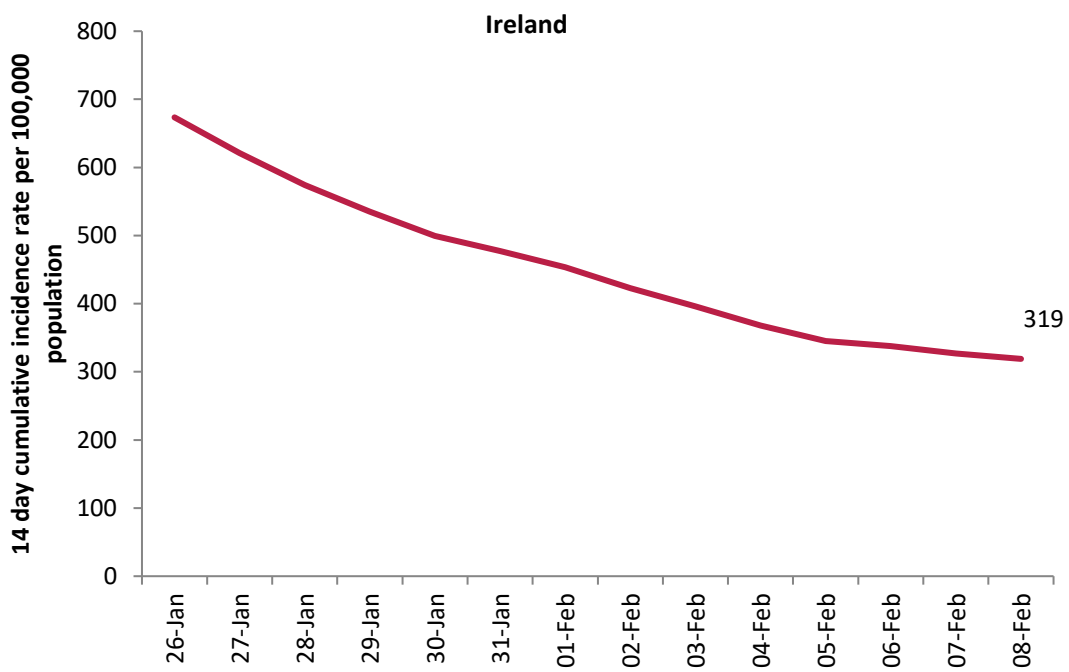


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (26/01/2021 to 08/02/2021)

*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 26/01/2021 to midnight 08/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	86	0.57%
Close contact with a known confirmed case	6,254	41.17%
Healthcare setting acquired: patient	1183	7.79%
Healthcare setting acquired: staff	853	5.62%
Community transmission	2,968	19.54%
Under investigation	3,845	25.31%
Total	15,189	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 26/01/2021 to midnight 08/02/2021 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	499	16	1.38	0	0
5-12 yrs	735	15	1.29	0	0
13-18 yrs	972	16	1.38	0	0
19-24 yrs	1663	46	3.97	<5	
25-34 yrs	2410	104	8.97	<5	
35-44 yrs	2555	85	7.33	5	10.64
45-54 yrs	2312	126	10.86	5	10.64
55-64 yrs	1596	148	12.76	13	27.66
65-74 yrs	888	182	15.69	15	31.91
75-84 yrs	814	236	20.34	<5	
85+ yrs	737	185	15.95	<5	
Unknown	8	1	0.09	0	0
Total	15,189	1160	100	47	

* 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 26/01/2021 up to midnight 08/02/2021

	Number	Percent
Total number of deaths	111	
Confirmed	107	96.40
Possible	4	3.60
Total number of cases hospitalised	54	48.65
Total number of male cases	58	52.25
M:F ratio	1.09	
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 26/01/2021 up to midnight 08/02/2021

Age group (years)	Female	Male	Total	Percent
19-54yrs	<5	<5	<5	3.60
55-64 yrs	<5	<5	<5	1.80
65-74 yrs	5	7	12	10.81
75-84 yrs	16	22	38	34.23
85+ yrs	28	27	55	49.55
Total	53	58	111	100
Percent	47.75	52.25		

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.

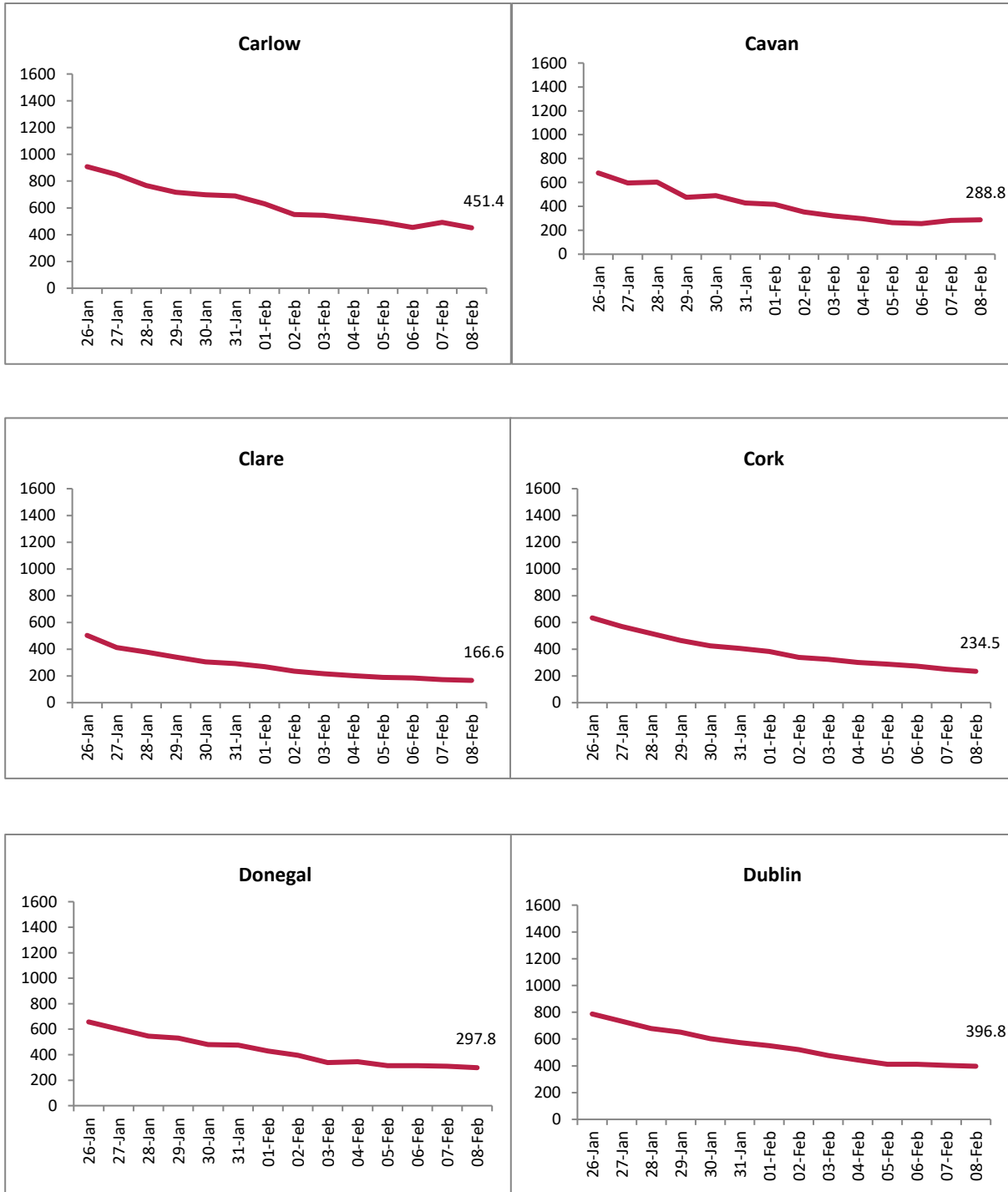
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

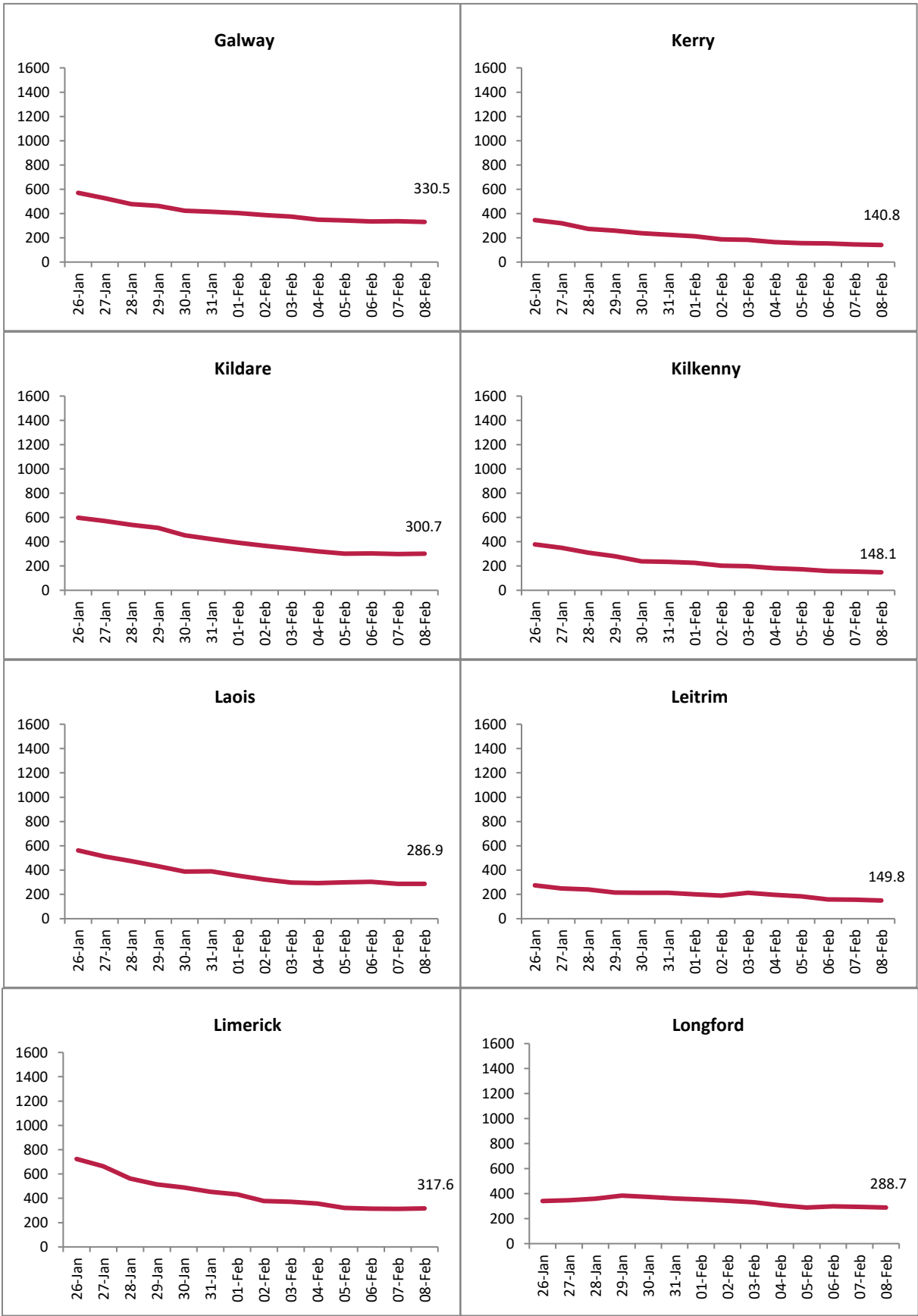
WHO definition of transmission classification is specified below:

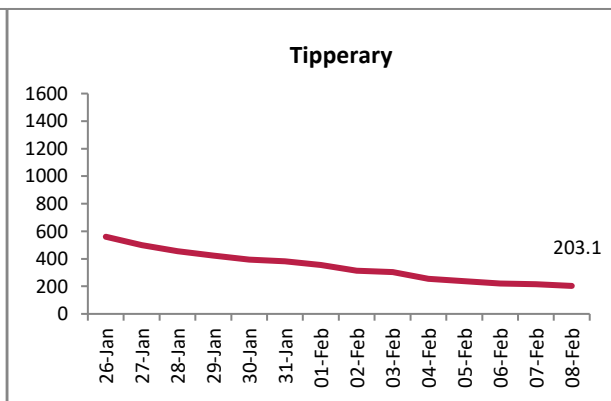
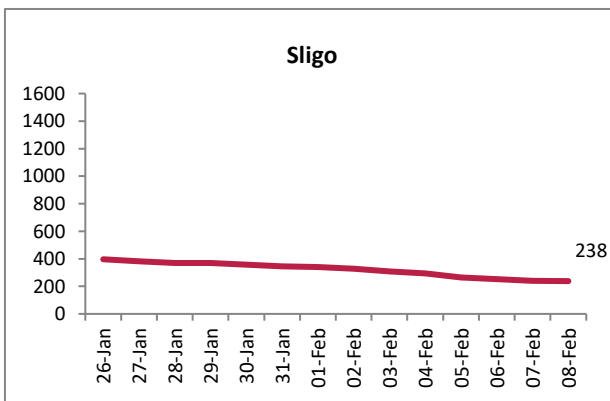
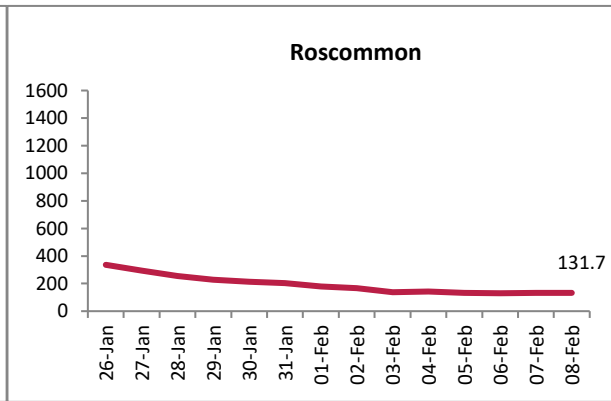
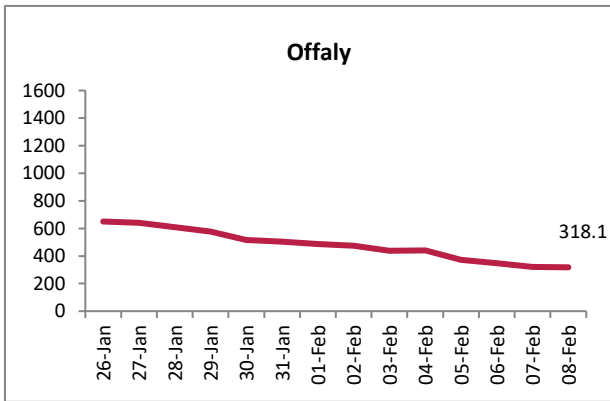
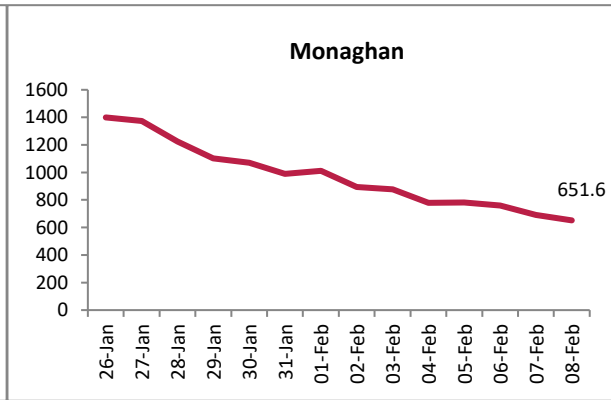
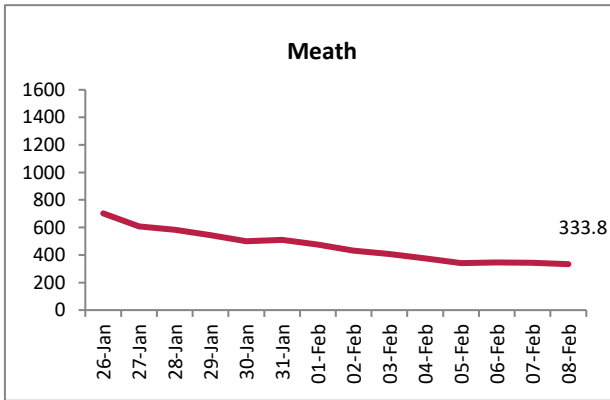
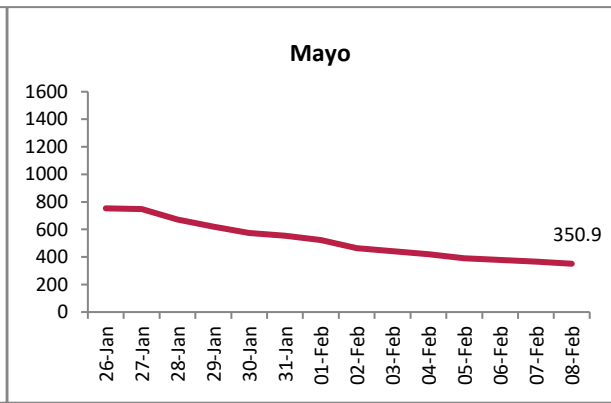
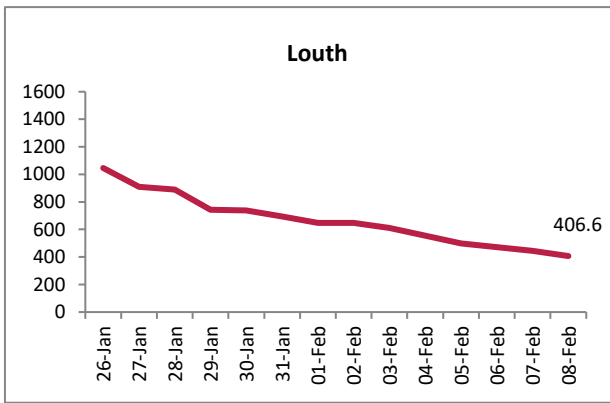
- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within 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 (26/01/2021 to 08/02/2021)







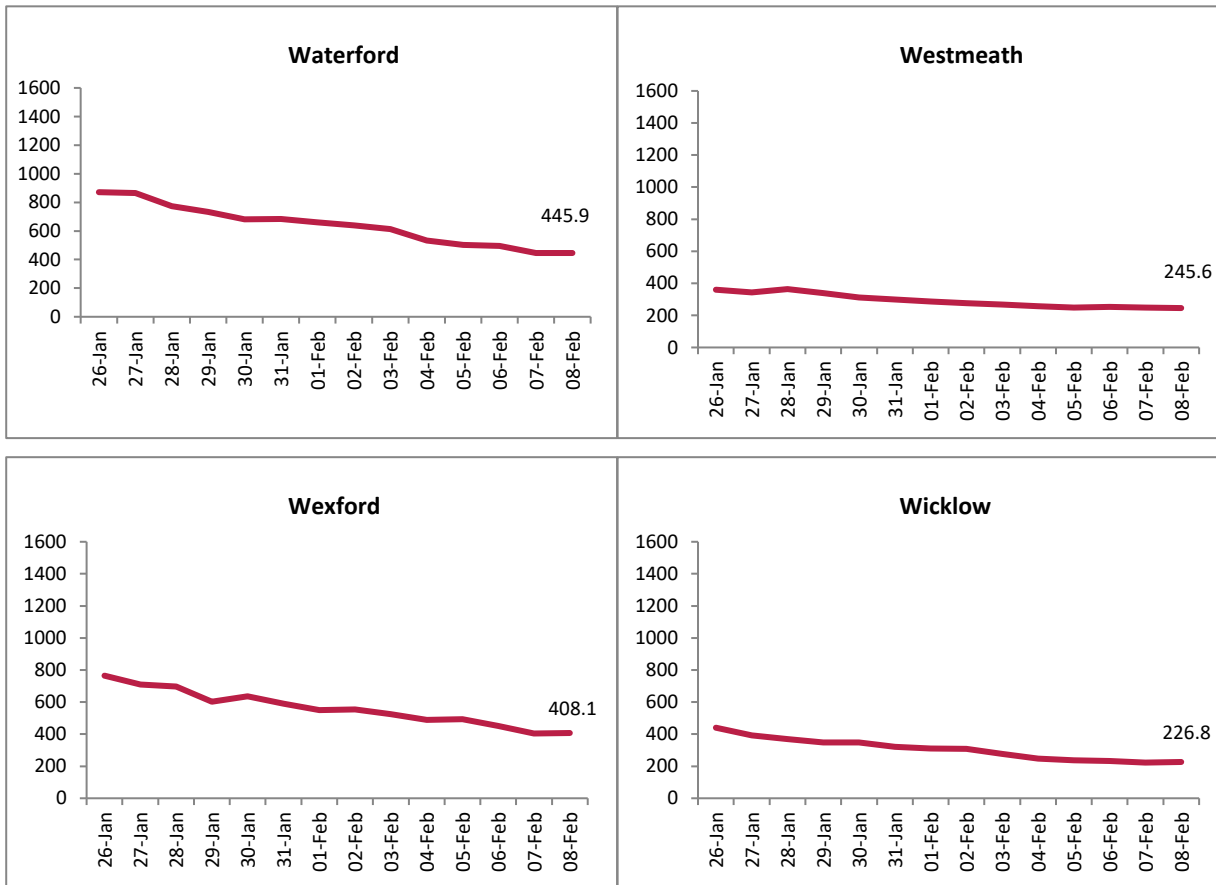
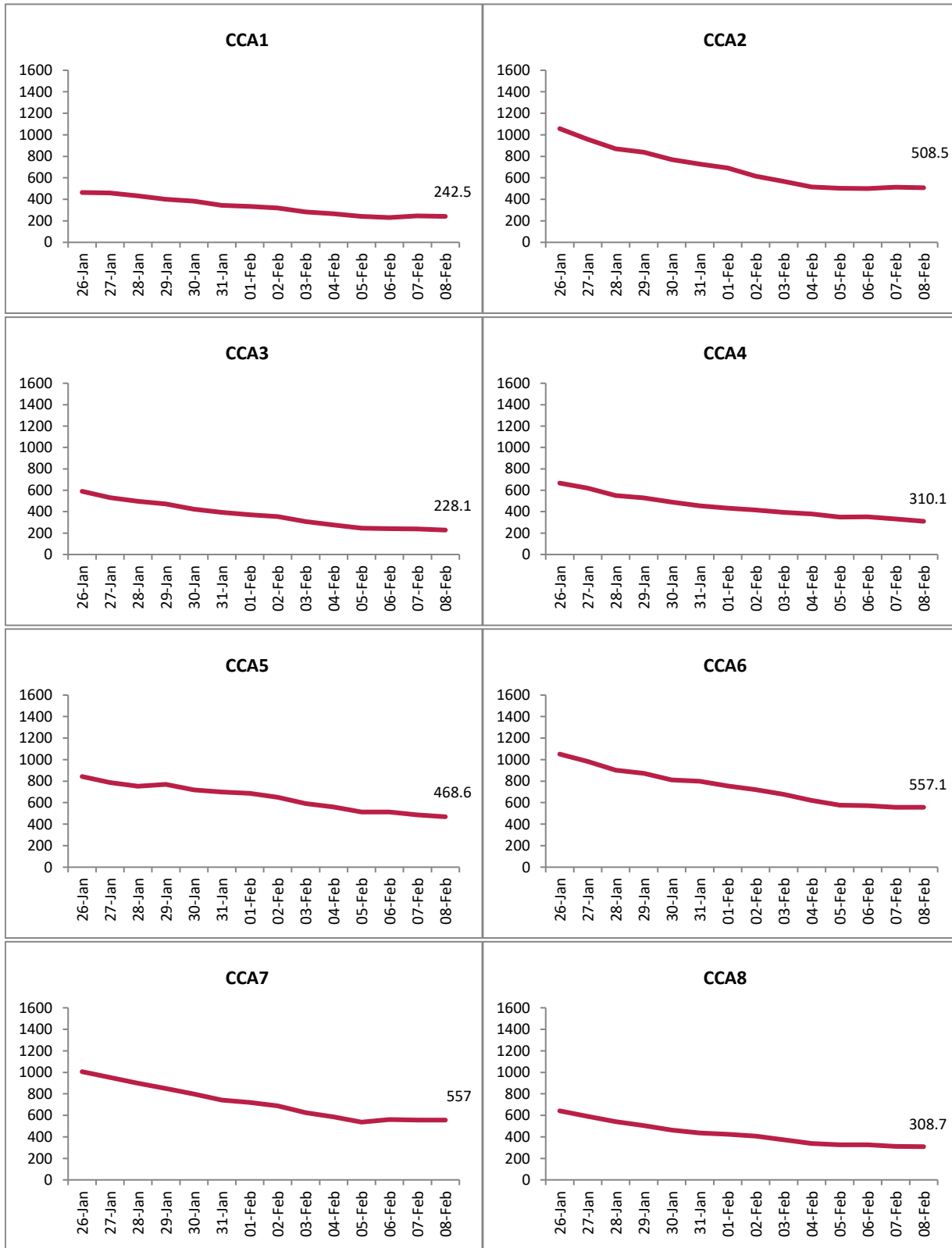


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (26/01/2021 to 08/02/2021)



Report prepared by Health Protection Surveillance Centre on 09/02/2021