



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 19/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 05/02/2021 up to midnight 18/02/2021

	Number	Percent
Total number of confirmed cases	11,759	
National incidence of confirmed cases per 100,000 population	246.94	
Number of cases hospitalised*	827	7.03
Number of cases admitted to ICU*	48	0.41
Number of deaths among confirmed cases	42	0.36
Case fatality ratio (CFR, %)	0.36	
National incidence of confirmed deaths per 100,000 population	0.88	
Number of cases** associated with clusters	1,337	11.37
Number of imported cases	9	0.08
Number of cases in healthcare workers	721	6.13
Males	5,830	49.58
Females	5,906	50.23
M:F ratio	0.99	
Median age (years)	34	
Mean age (years)	37	
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
05/02/2021 - 18/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 07:51 on 19/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

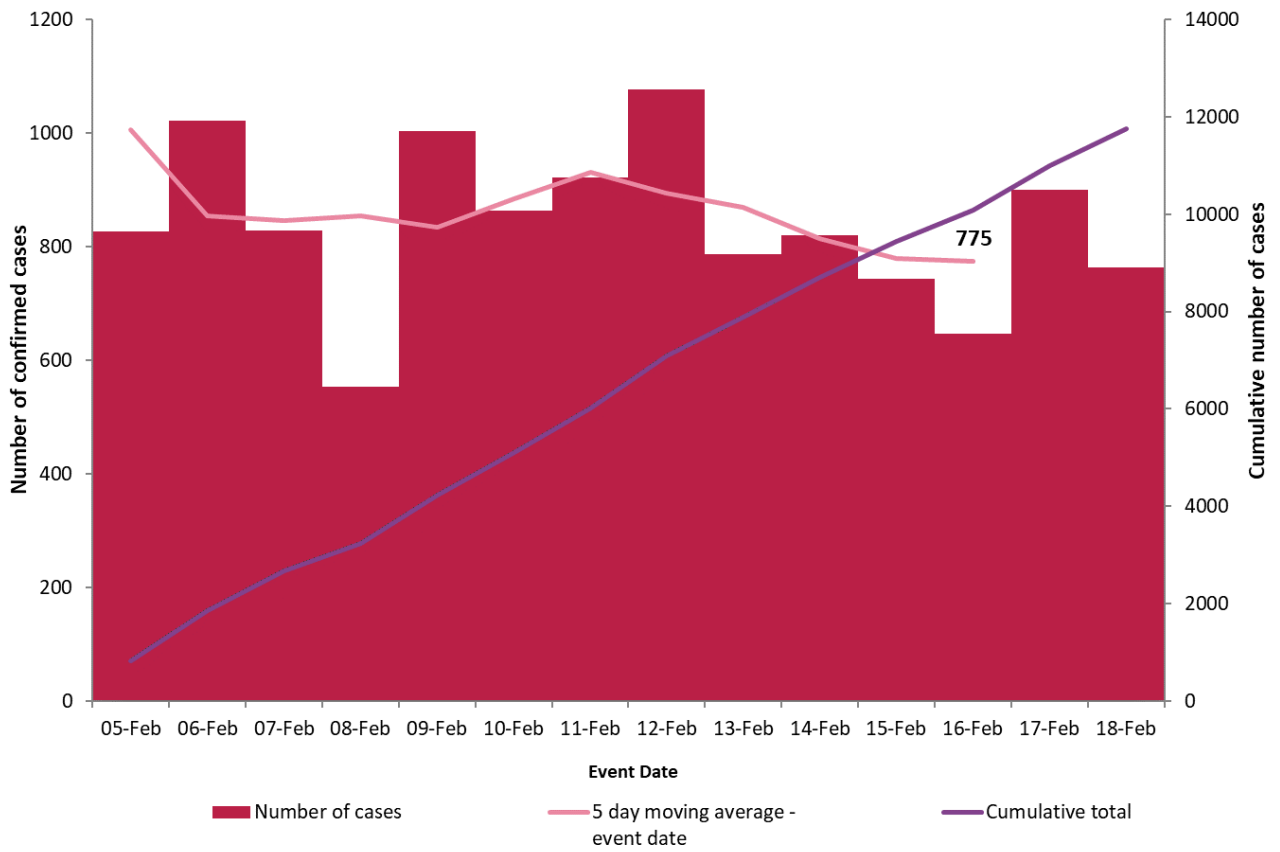


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=11,759)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 05/02/2021 up to midnight on 18/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		11,759	100
Sex	Male:Female ratio	0.99	
	Male	5,830	49.58
	Female	5,906	50.23
	Unknown	23	0.2
Age	Median age (years)	34	
	Mean age (years)	37	
	Age range (years)	0 - 102	
	0-4 yrs	584	4.97
	5-12 yrs	880	7.48
	13-18 yrs	938	7.98
	19-24 yrs	1,626	13.83
	25-34 yrs	1,917	16.3
	35-44 yrs	1,866	15.87
	45-54 yrs	1,557	13.24
	55-64 yrs	1,057	8.99
	65-74 yrs	564	4.8
	75-84 yrs	472	4.01
	85+ yrs	297	2.53
	Unknown	1	0.01
Symptom status at time of test*	Yes	7,163	60.92
	No	2,384	20.27
	Unknown	2,212	18.81

*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 05/02/2021 to midnight 18/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	846	216.2
CHO2	1,245	274.8
CHO3	726	188.6
CHO4	720	104.3
CHO5	1,013	198.5
CHO6	963	251.3
CHO7	1,907	269.5
CHO8	1,759	284.0
CHO9	2,580	415.2
Unknown	0	
Total	11,759	246.9

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 05/02/2021 to midnight 18/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (14/02/2021-18/02/2021)
Monaghan	247	402.4	15
Offaly	291	373.3	22
Dublin	4,697	348.6	303
Galway	848	328.6	69
Laois	254	299.9	16
Waterford	323	278.0	24
Meath	537	275.3	34
Longford	111	271.6	10
Louth	347	269.2	21
Cavan	201	263.9	12
Kildare	576	258.9	43
Limerick	480	246.3	38
Mayo	320	245.2	23
Westmeath	217	244.5	13
Carlow	136	238.9	6
Wexford	306	204.4	15
Donegal	262	164.6	19
Leitrim	52	162.3	5
Tipperary	241	151.0	17
Clare	162	136.3	13
Sligo	85	129.7	5
Wicklow	177	124.3	9
Roscommon	77	119.3	5
Cork	618	113.8	30
Kilkenny	92	92.7	5
Kerry	102	69.1	2
Total	11,759	246.9	775

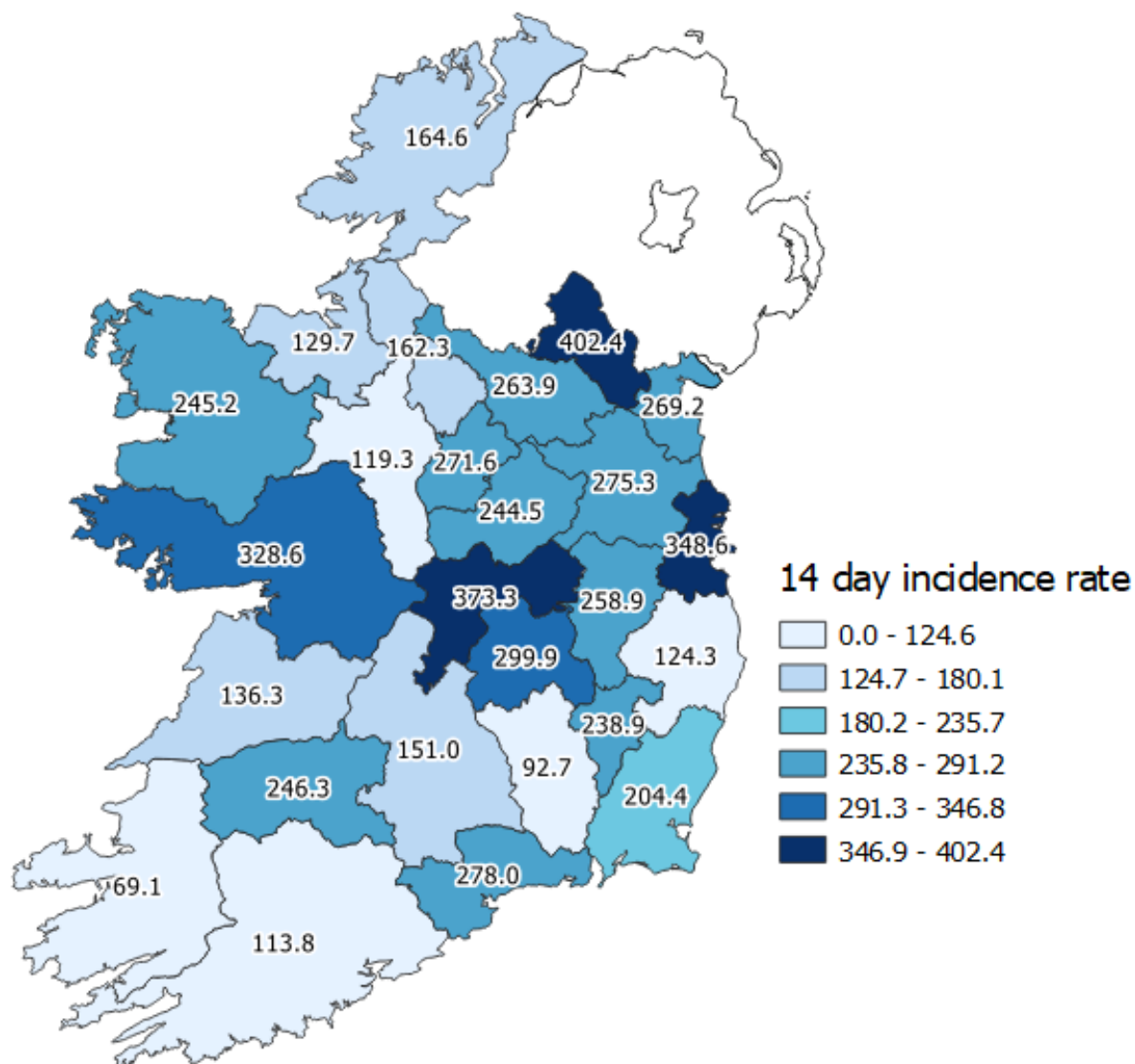


Figure 2: Cumulative 14-day incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 05/02/2021 and 18/02/2021

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 05/02/2021 and 18/02/2021

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	185	136.0
CCA2	Dublin South East	605	489.1
CCA3	Dublin South City	261	174.1
CCA4	Dublin South West	436	271.0
CCA5	Dublin West	630	405.6
CCA6	Dublin North West	949	457.0
CCA7	Dublin North Central	1,010	653.4
CCA8	Dublin North	621	239.6
	Unknown		
	Dublin	4,697	348.6

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.

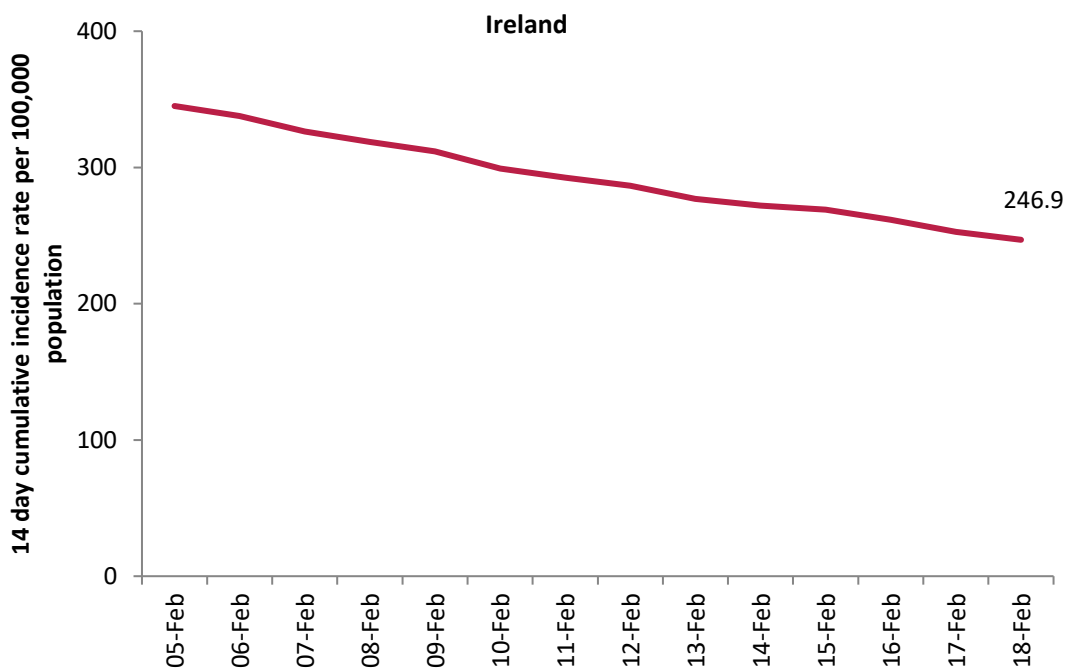


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (05/02/2021 to 18/02/2021)

*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 05/02/2021 to midnight 18/02/2021

Most likely transmission source	Number of cases	Percent
Travel related*	72	0.61%
Close contact with a known confirmed case	6,131	52.14%
Healthcare setting acquired: patient	533	4.53%
Healthcare setting acquired: staff	345	2.93%
Community transmission	2,090	17.77%
Under investigation	2,588	22.01%
Total	11,759	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 05/02/2021 to midnight 18/02/2021 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	584	17	2.06	0	0
5-12 yrs	880	19	2.30	0	0
13-18 yrs	938	18	2.18	0	0
19-24 yrs	1626	40	4.84	<5	
25-34 yrs	1917	65	7.86	<5	
35-44 yrs	1866	73	8.83	5	10.42
45-54 yrs	1557	87	10.52	15	31.25
55-64 yrs	1057	100	12.09	7	14.58
65-74 yrs	564	119	14.39	11	22.92
75-84 yrs	472	191	23.10	6	12.50
85+ yrs	297	98	11.85	0	0
Unknown	1			0	0
Total	11,759	827	100	48	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 05/02/2021 up to midnight 18/02/2021

	Number	Percent	
Total number of deaths	44		
	Confirmed	42	95.45
	Probable	1	2.27
	Possible	1	2.27
Total number of cases hospitalised	28	63.64	
Total number of male cases	32	72.73	
M:F ratio	2.67		
Median age (years)	82		

Table 8: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 05/02/2021 up to midnight 18/02/2021

Age group (years)	Female	Male	Total	Percent
<65 yrs	<5	<5	<5	9.09
65-74 yrs	<5	5	7	15.91
75-84 yrs	7	9	16	36.36
85+ yrs	<5	14	17	38.64
Total	12	32	44	100
Percent	27.27	72.73		

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.

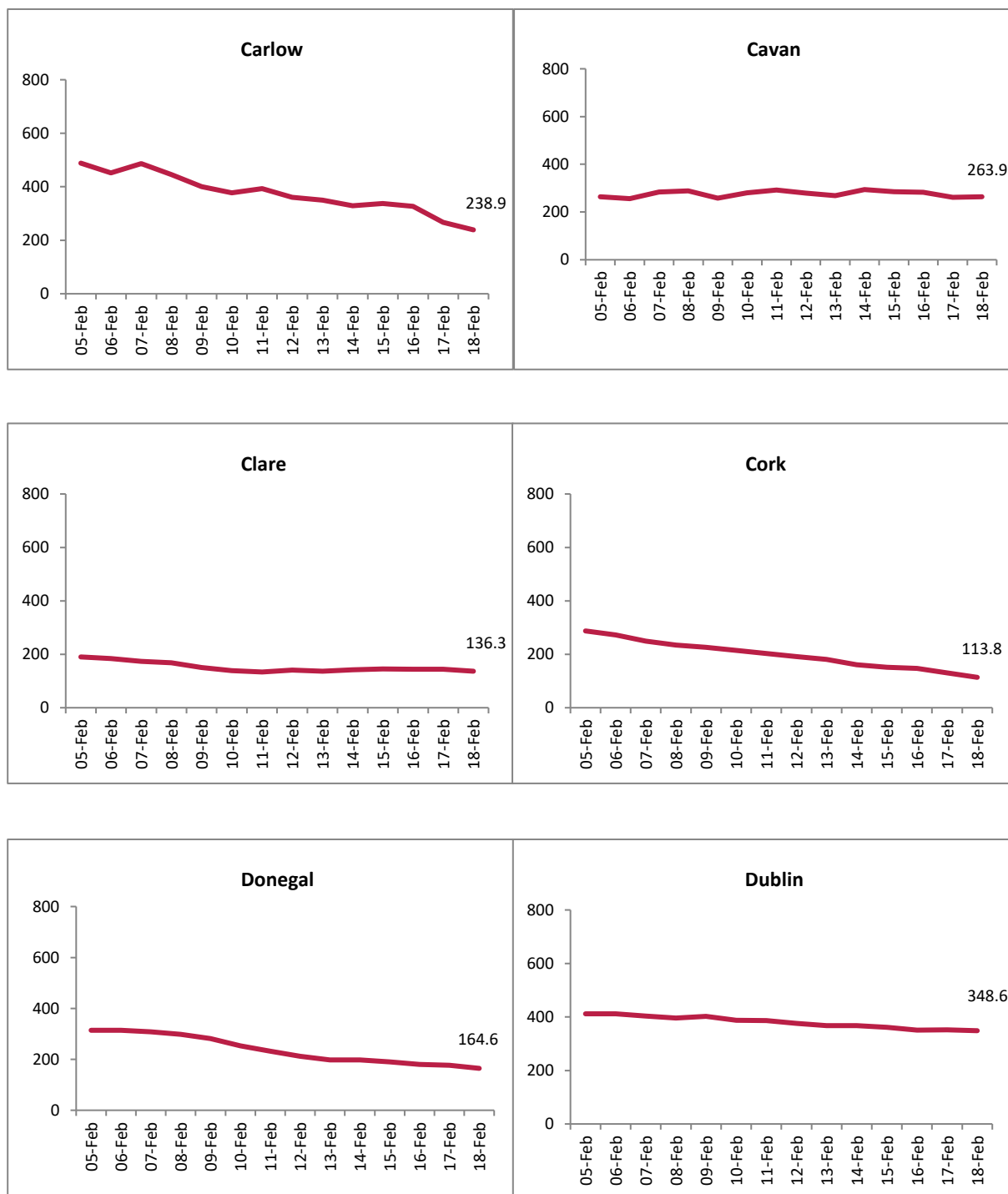
Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

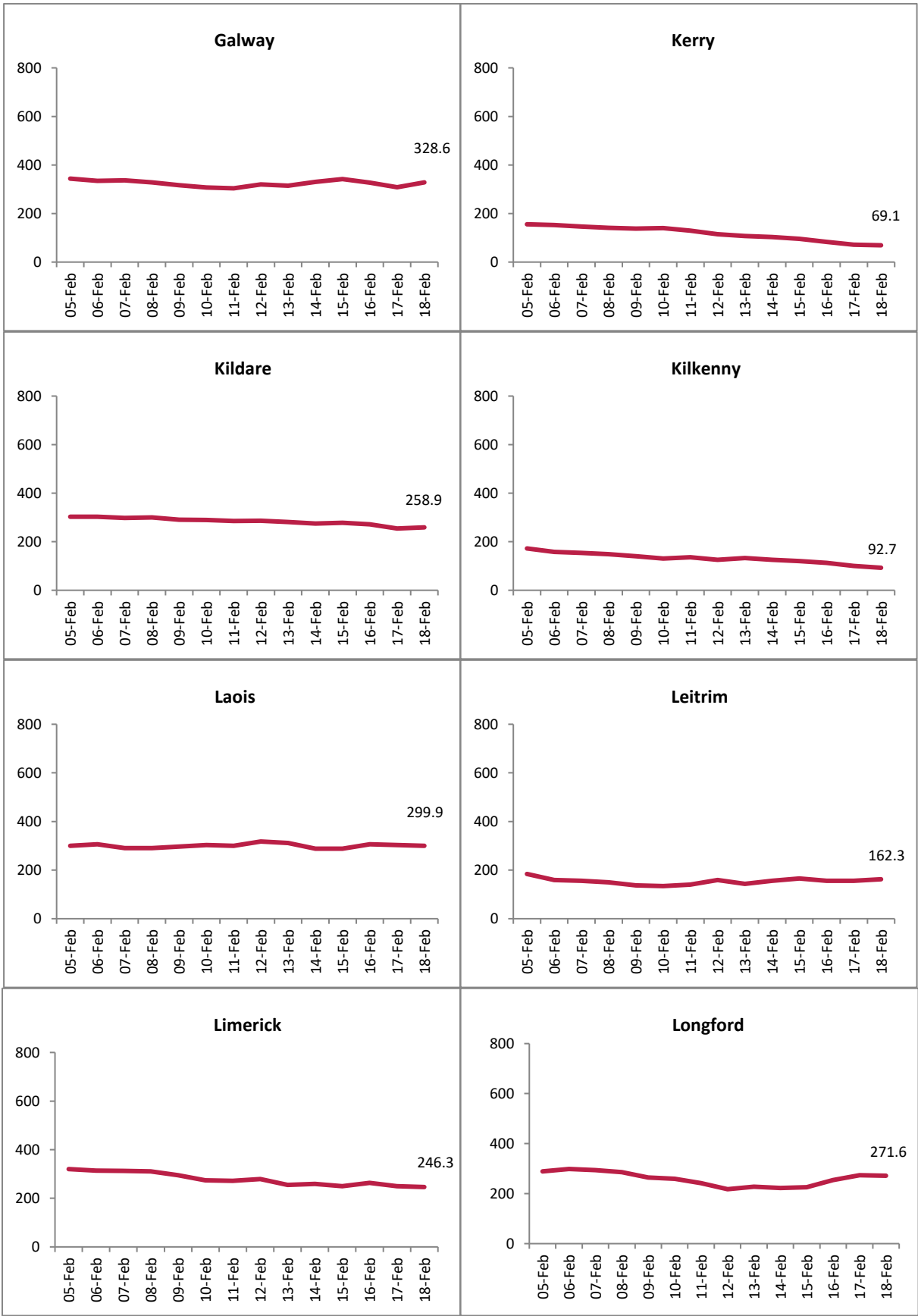
WHO definition of transmission classification is specified below:

- 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 (05/02/2021 to 18/02/2021)





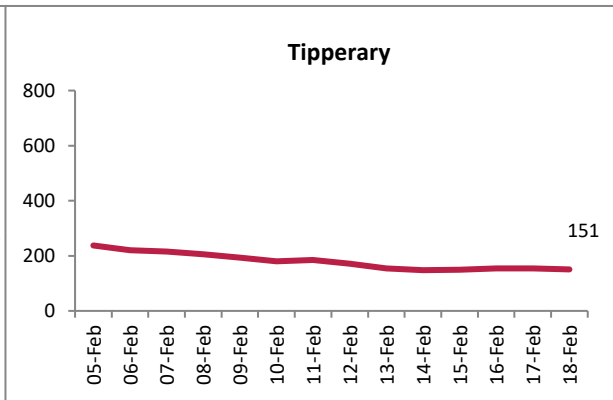
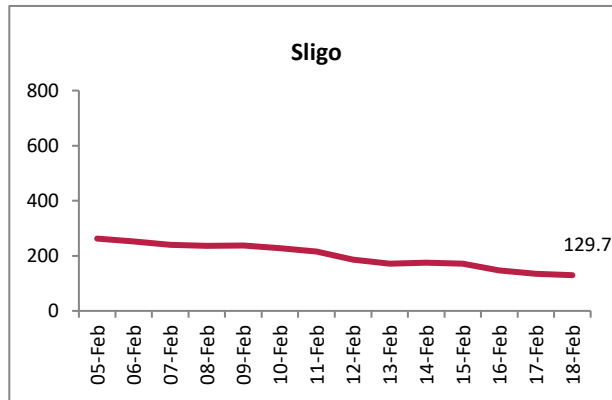
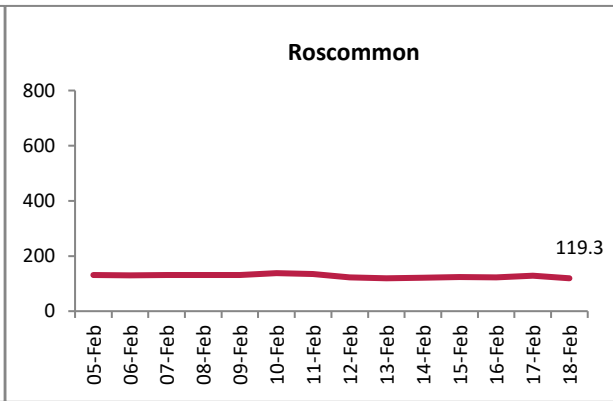
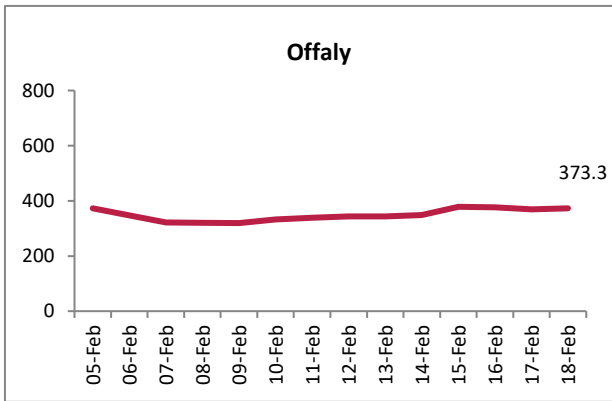
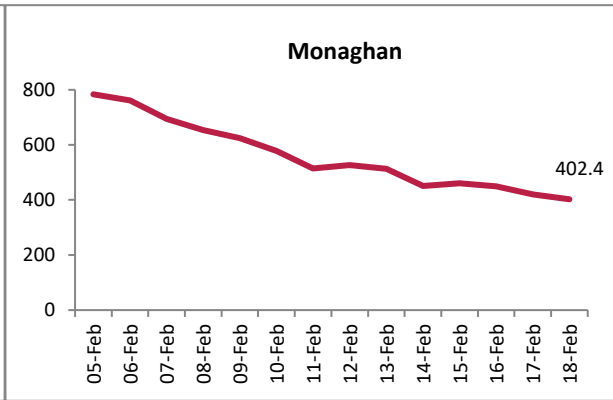
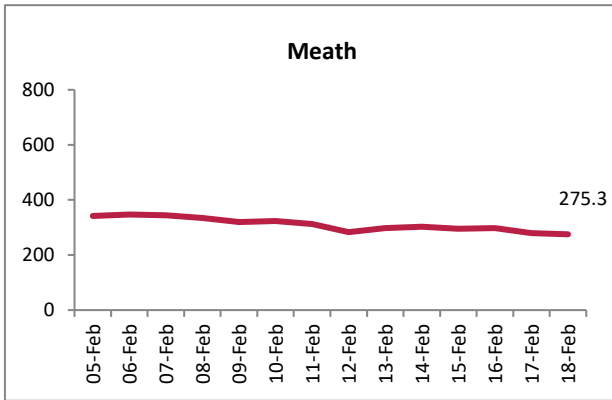
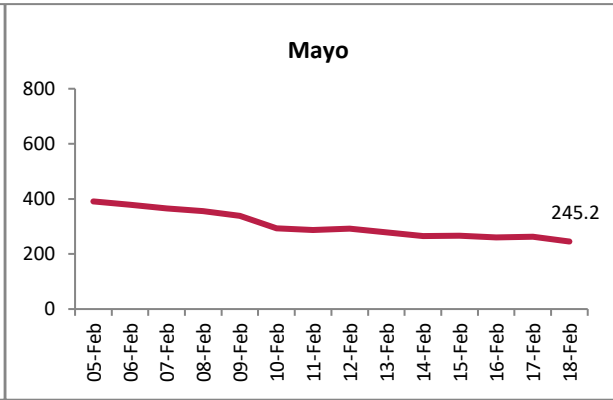
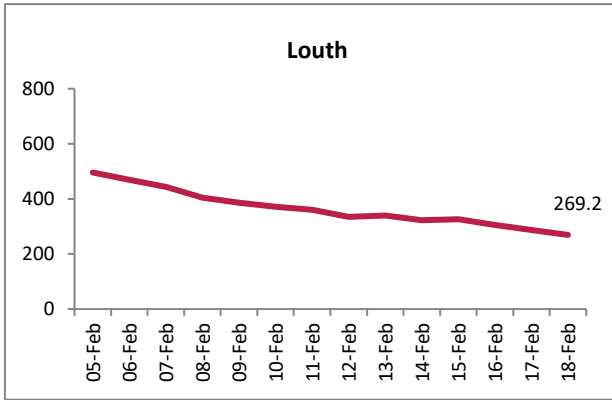
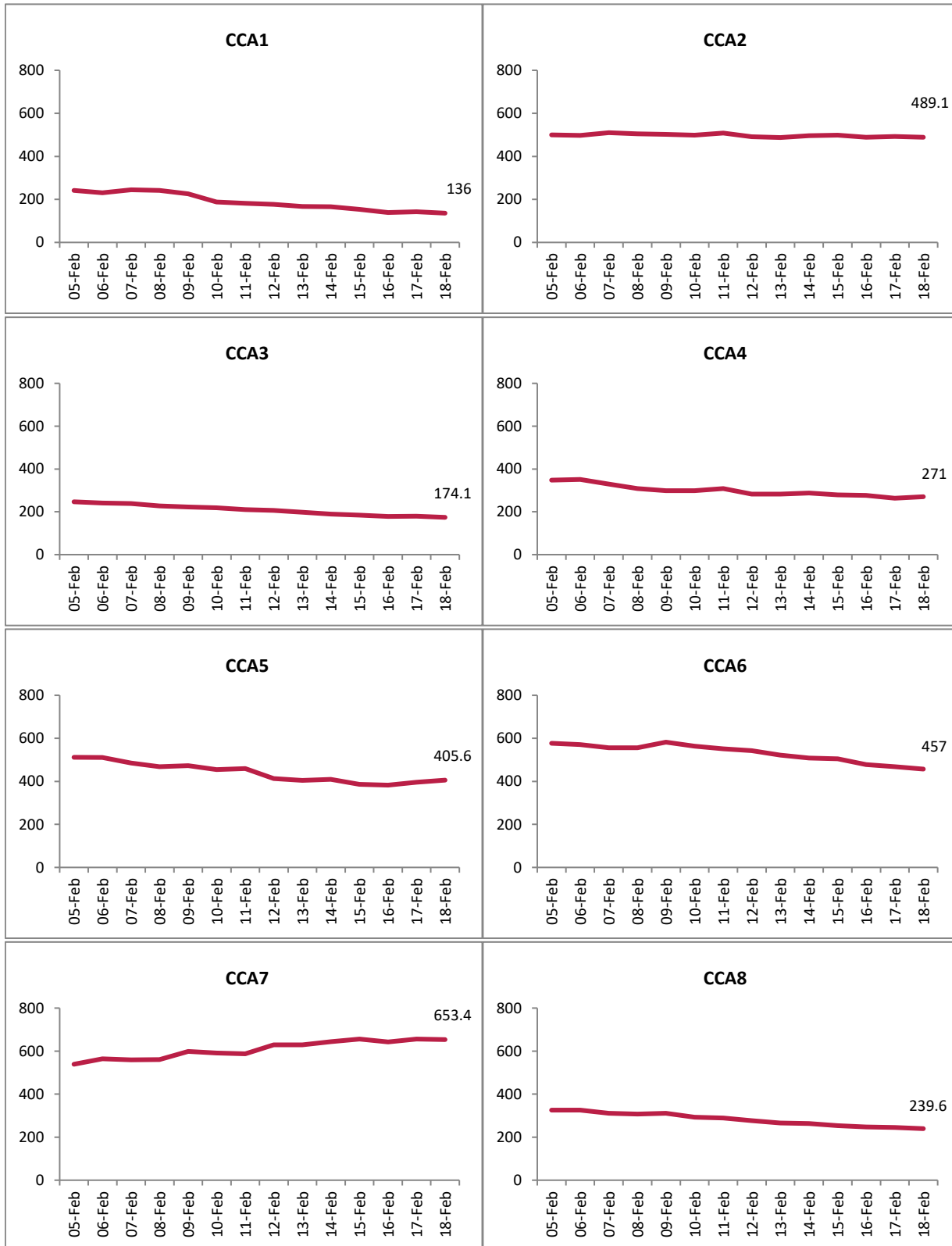




Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (05/02/2021 to 18/02/2021)



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