



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 07/02/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 24/01/2021 up to midnight 06/02/2021

	Number	Percent
Total number of confirmed cases	16,106	
National incidence of confirmed cases per 100,000 population	338.23	
Number of cases hospitalised*	1,214	7.54
Number of cases admitted to ICU*	47	0.29
Number of deaths among confirmed cases	122	0.76
Case fatality ratio (CFR, %)	0.76	
National incidence of confirmed deaths per 100,000 population	2.56	
Number of cases** associated with clusters	2,446	15.19
Number of imported cases	8	0.05
Number of cases in healthcare workers	1,891	11.74
% HCW where HCW status known (n=12,761)		14.82
Males	7,591	47.13
Females	8,501	52.78
M:F ratio	0.89	
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
24/01/2021 - 06/02/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:21 on 07/02/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

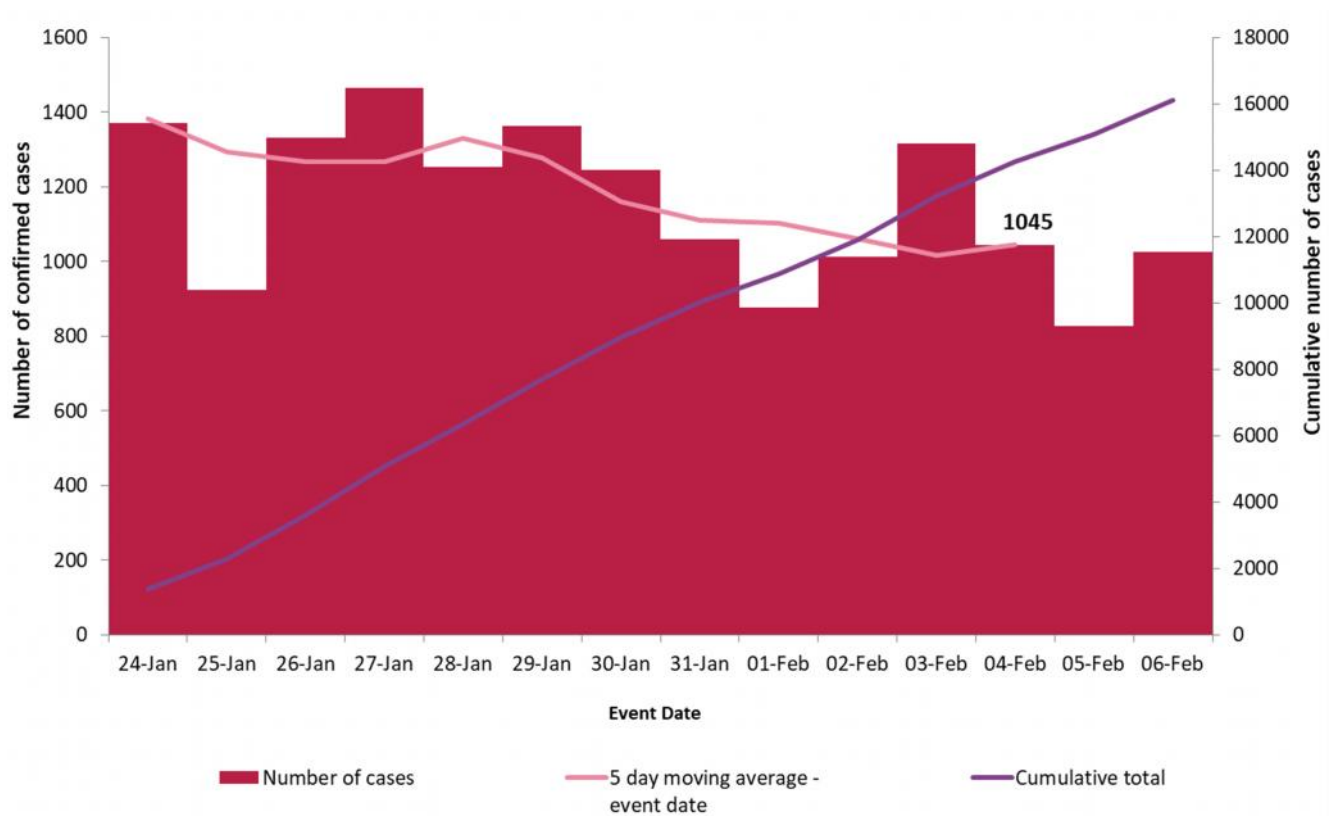


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=16,106)

Table 1: Age and sex of confirmed COVID-19 cases notified in Ireland from 24/01/2021 up to midnight on 06/02/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		16,106	100
Sex	Male:Female ratio	0.89	
	Male	7,591	47.13
	Female	8,501	52.78
	Unknown	14	0.09
Age	Median age (years)	40	
	Mean age (years)	42	
	Age range (years)	0 - 105	
	0-4 yrs	492	3.05
	5-12 yrs	725	4.5
	13-18 yrs	965	5.99
	19-24 yrs	1,720	10.68
	25-34 yrs	2,590	16.08
	35-44 yrs	2,716	16.86
	45-54 yrs	2,456	15.25
	55-64 yrs	1,743	10.82
	65-74 yrs	947	5.88
	75-84 yrs	894	5.55
	85+ yrs	850	5.28
	Unknown	8	0.05

Table 2: Characteristics of confirmed COVID-19 cases notified in Ireland from 24/01/2021 up to midnight on 06/02/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		16,106	100	
Symptom status at time of test*	Yes	10,118	62.82	80.78
	No	2,408	14.95	19.22
	Unknown	3,580	22.23	
	Total cases where known	12,526		
Healthcare worker	Yes	1,891	11.74	14.82
	No	10,870	67.49	85.18
	Unknown	3,345	20.77	
	Total cases where known	12,761		

*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 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 24/01/2021 to midnight 06/02/2021

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1,370	350.1
CHO2	1,440	317.8
CHO3	1,017	264.2
CHO4	1,708	247.3
CHO5	1,839	360.4
CHO6	1,256	327.8
CHO7	2,405	339.8
CHO8	2,171	350.6
CHO9	2,900	466.7
Unknown	0	
Total	16,106	338.2

Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 24/01/2021 to midnight 06/02/2021

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (02/01/2021-06/02/2021)
Carlow	266	467.2	89
Cavan	194	254.7	71
Clare	219	184.3	66
Cork	1,481	272.8	443
Donegal	514	322.9	176
Dublin	5,557	412.4	1734
Galway	863	334.4	327
Kerry	227	153.7	84
Kildare	674	302.9	268
Kilkenny	154	155.2	51
Laois	253	298.7	89
Leitrim	51	159.2	21
Limerick	616	316.1	204
Longford	122	298.5	46
Louth	607	471.0	168
Mayo	493	377.8	146
Meath	685	351.2	256
Monaghan	453	738.0	132
Offaly	271	347.6	85
Roscommon	84	130.1	30
Sligo	166	253.3	61
Tipperary	350	219.4	76
Waterford	576	495.8	179
Westmeath	224	252.3	92
Wexford	676	451.5	216
Wicklow	330	231.7	114
Total	16,106	338.2	1,045

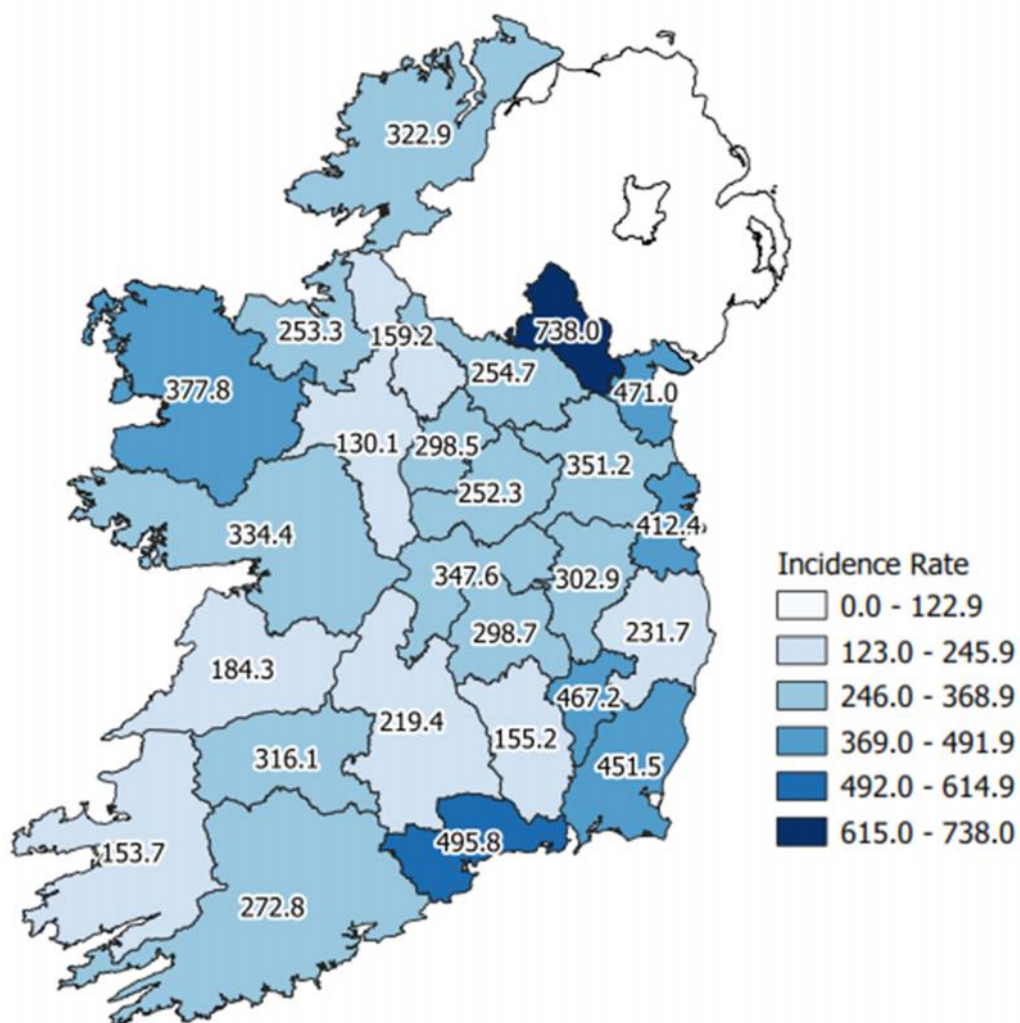


Figure 2: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 24/01/2021 and 06/02/2021

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 24/01/2021 and 06/02/2021

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	314	230.8
CCA2	Dublin South East	619	500.4
CCA3	Dublin South City	362	241.4
CCA4	Dublin South West	567	352.4
CCA5	Dublin West	795	511.8
CCA6	Dublin North West	1,186	571.1
CCA7	Dublin North Central	868	561.5
CCA8	Dublin North	846	326.4
	Unknown	0	
	Dublin	5,557	412.4

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.

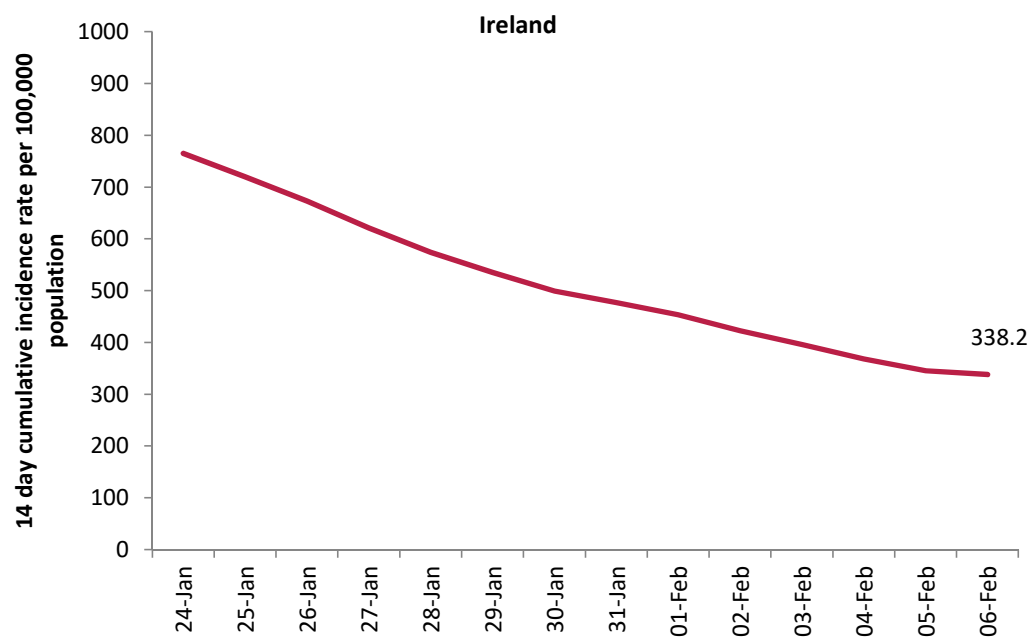


Figure 3: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland* (24/01/2021 to 06/02/2021)

*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 24/01/2021 to midnight 06/02/2021

Most likely transmission source	Number of cases	Percent
Travel related	82	0.51%
Close contact with a known confirmed case	6072	37.70%
Healthcare setting acquired: patient	1270	7.89%
Healthcare setting acquired: staff	1010	6.27%
Community transmission	3003	18.65%
Under investigation	4669	28.99%
Total	16106	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 24/01/2021 to midnight 06/02/2021 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	492	15	1.24	0	0.00
5-12 yrs	725	12	0.99	0	0.00
13-18 yrs	965	15	1.24	1	2.13
19-24 yrs	1720	51	4.20	1	2.13
25-34 yrs	2590	104	8.57	5	10.64
35-44 yrs	2716	83	6.84	5	10.64
45-54 yrs	2456	123	10.13	5	10.64
55-64 yrs	1743	157	12.93	12	25.53
65-74 yrs	947	191	15.73	14	29.79
75-84 yrs	894	257	21.17	3	6.38
85+ yrs	850	205	16.89	1	2.13
Unknown	8	1	0.08	0	0.00
Total	16,106	1214	100	47	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 8: Summary of deaths in all COVID-19 cases notified in Ireland from 24/01/2021 up to midnight 06/02/2021

	Number	Percent
Total number of deaths	127	
Confirmed	122	96.06
Possible	5	3.94
Total number of cases hospitalised	60	47.24
Total number of male cases	61	48.03
M:F ratio	0.92	
Median age (years)	85	
Mean age (years)	83	
Age range (years)	19 - 101	

Table 9: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland from 24/01/2021 up to midnight 06/02/2021

Age group (years)	Female	Male	Total	Percent
19-24 yrs		<5	<5	0.79
35-44 yrs	<5	<5	<5	1.57
55-64 yrs	<5	<5	<5	2.36
65-74 yrs	5	9	14	11.02
75-84 yrs	21	21	42	33.07
85+ yrs	37	28	65	51.18
Total	66	61	127	100
Percent	51.97	48.03		

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 09:21 on 07/02/2021. 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. Epidemiological date

Epidemiological date is derived from the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and event creation/notification date.

3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 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.

4. HSE areas

The counties covered by each HSE area are as follows:

- HSE East (E): Dublin, Kildare & Wicklow;
- HSE Midlands (M): Laois, Longford, Offaly & Westmeath;
- HSE Midwest (MW): Clare, Limerick & N. Tipperary;
- HSE Northeast (NE): Cavan, Louth, Meath & Monaghan;
- HSE Northwest (NW): Donegal, Leitrim & Sligo;
- HSE South (S): Kerry & Cork;
- HSE Southeast (SE): Carlow, Kilkenny, S. Tipperary, Waterford & Wexford;
- HSE West (W): Galway, Mayo & Roscommon.

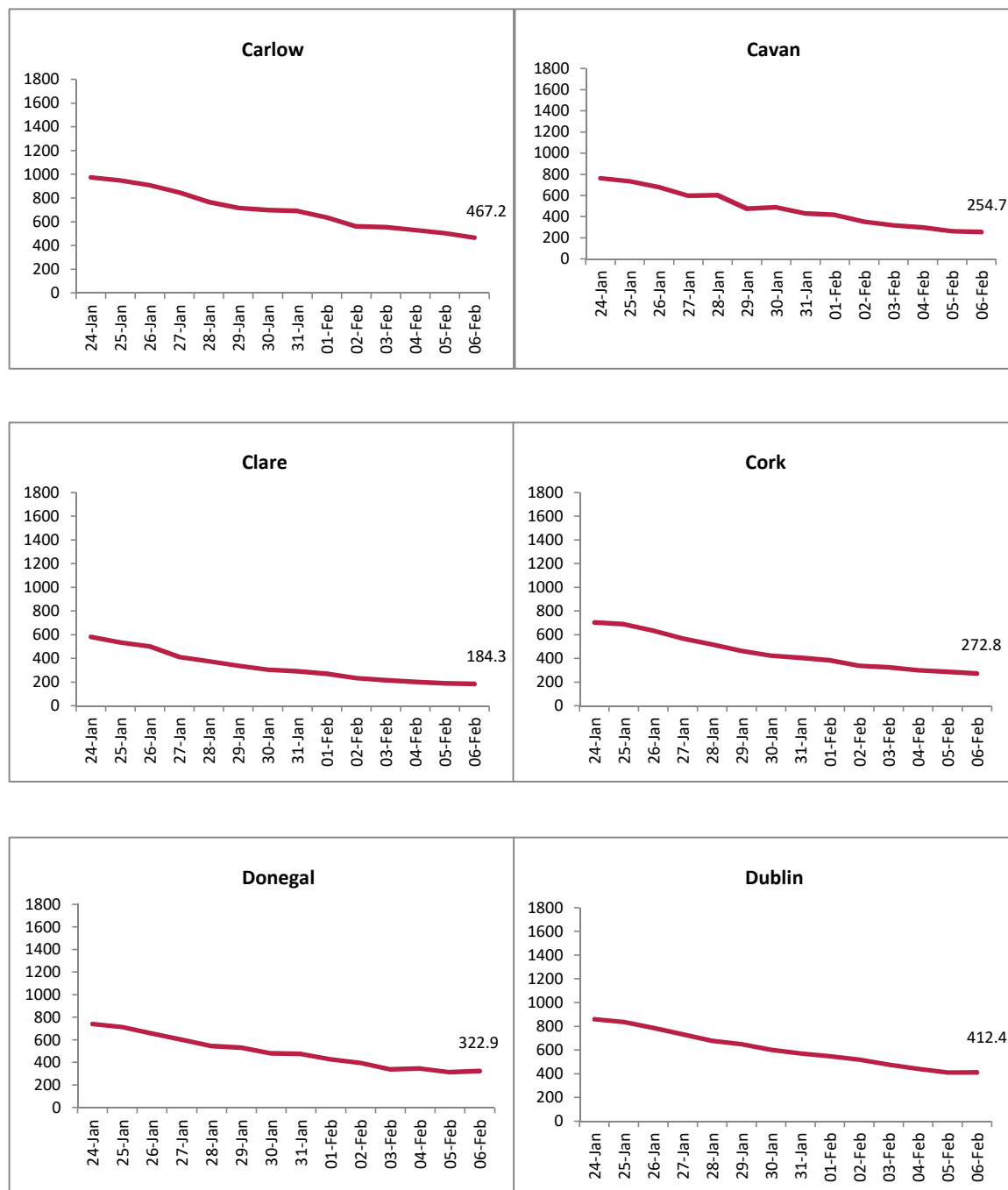
5. Outbreak location

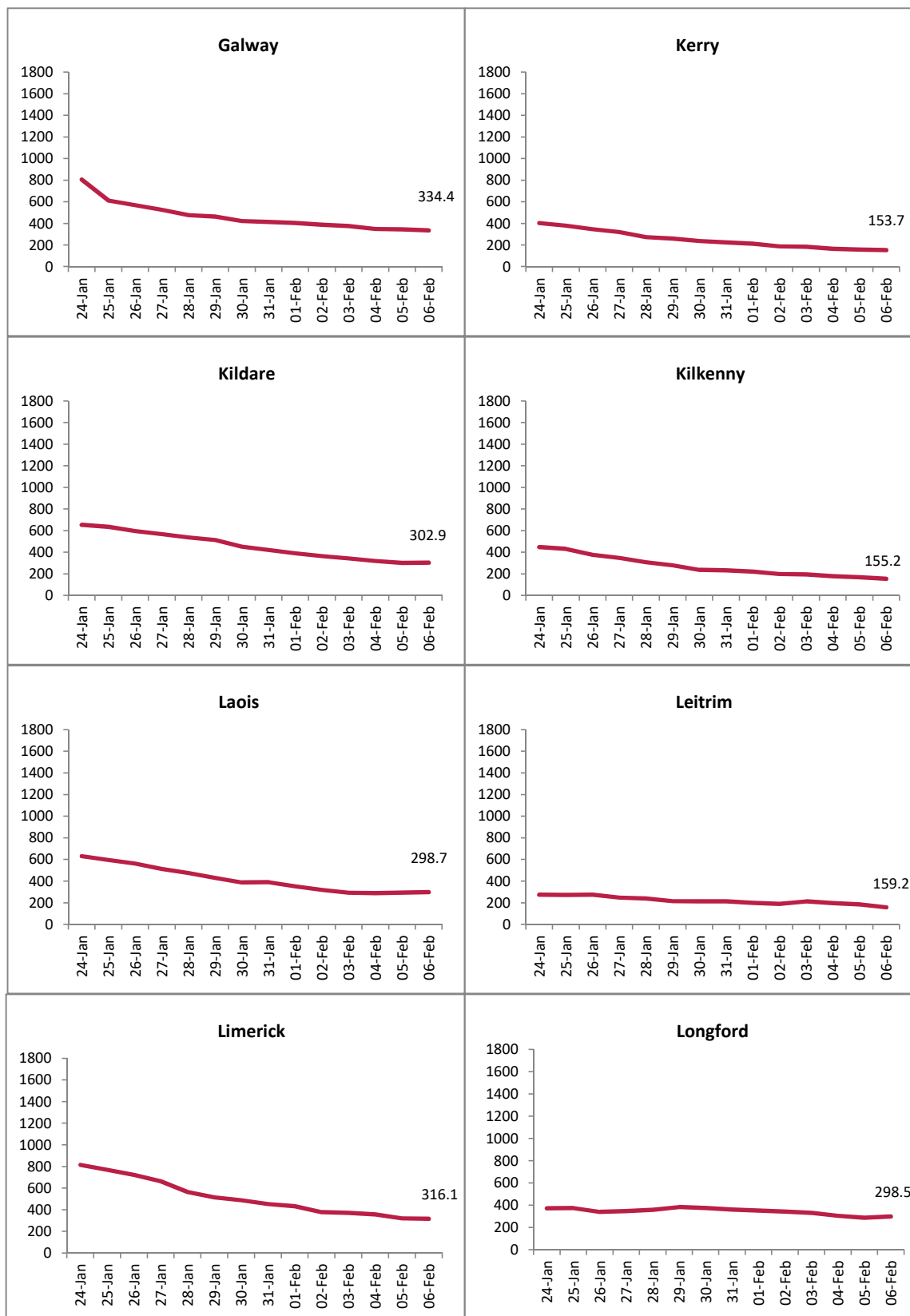
Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (24/01/2021 to 06/02/2021)







Report prepared by Health Protection Surveillance Centre on 07/02/2021

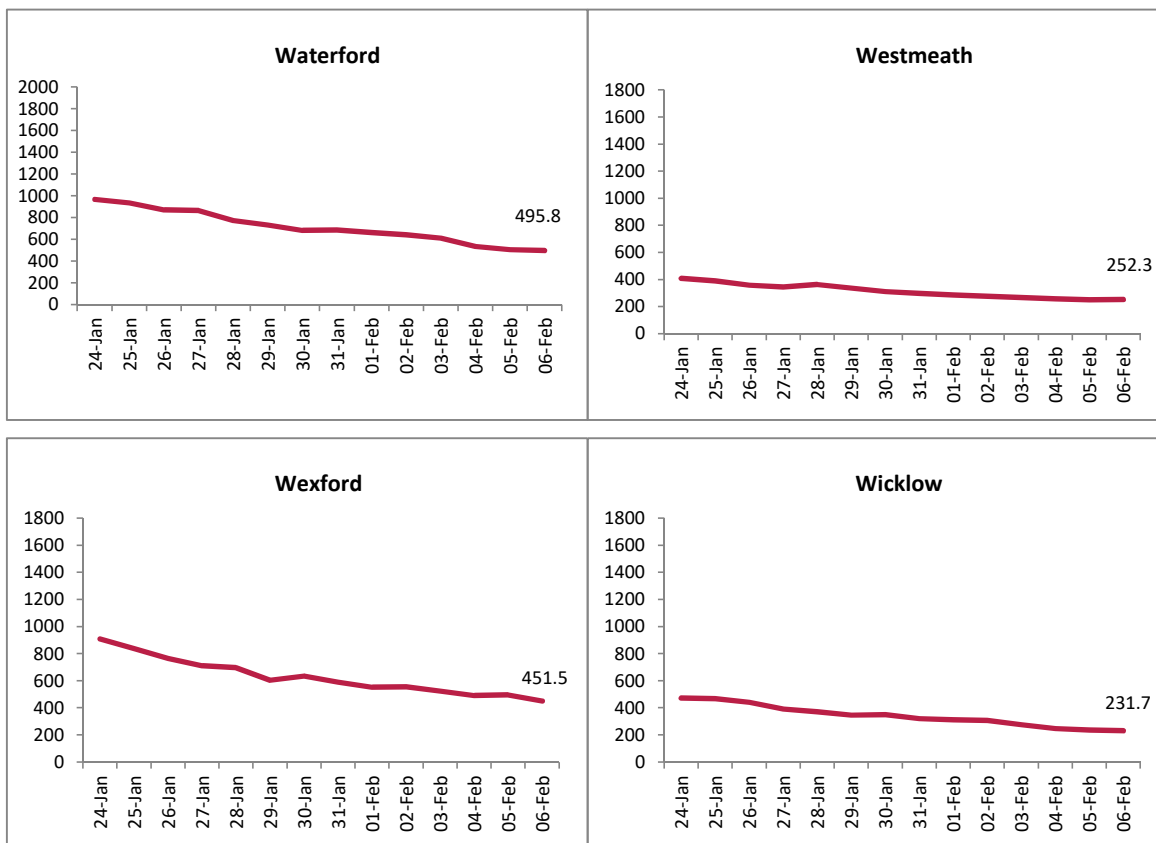


Figure B. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by Dublin CCA (24/01/2021 to 06/02/2021)

