



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 16/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 02/12/2021 up to midnight on 15/12/2021

	Number	Percent
Total number of confirmed cases	62,577	
National incidence of confirmed cases per 100,000	1314.1	
Number of cases hospitalised*	534	0.85
Number of cases admitted to ICU*	26	0.04
Number of cases in healthcare workers	274	0.44
% where HCW is known	2.9	
Number of cases associated with clusters**	674	1.08
Males	31,036	49.6
Females	31,408	50.2
M:F ratio	0.99	
Median age (years)	31	
Mean age (years)	31	
Age range (years)	0-101	

* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Cases may be associated with outbreaks notified outside the timeframe of this report from 02/12/2021 up to midnight on 15/12/2021. Also, this is likely an underestimate of cases associated with clusters as Departments of Public Health are prioritising Public Health Risk Assessments and outbreak investigations in settings that have the greatest clinical need or would benefit most from Public Health intervention.

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 16/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

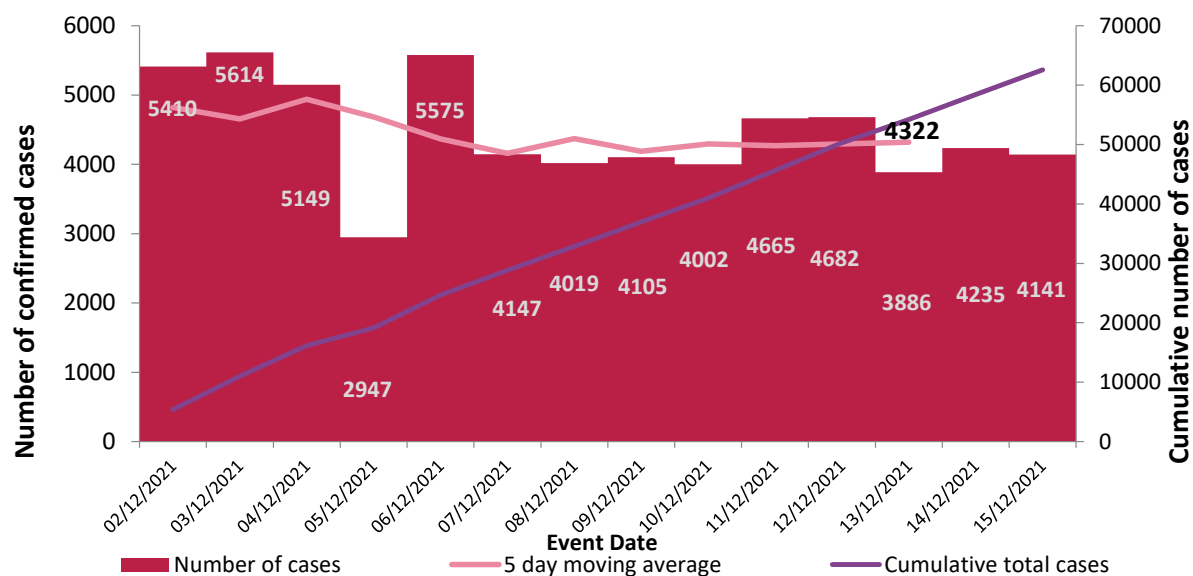


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=62577)

*Changes in the timeliness of the processing steps on CIDR can lead to day to day variations in the number of daily cases. Using epidemiological date (figure 1b), or analysing over a longer time period such as a week or 14 days (figure 2), smooths out any variations introduced by processing times, and provide a more accurate picture of the trend.

Please see Epidemiology of COVID-19 in Ireland Frequently Asked Questions (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyfrequentlyaskedquestions/>) and the weekly epidemiological report (<https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyofcovid-19inirelandweeklyreports/>) for further detail and analyses.

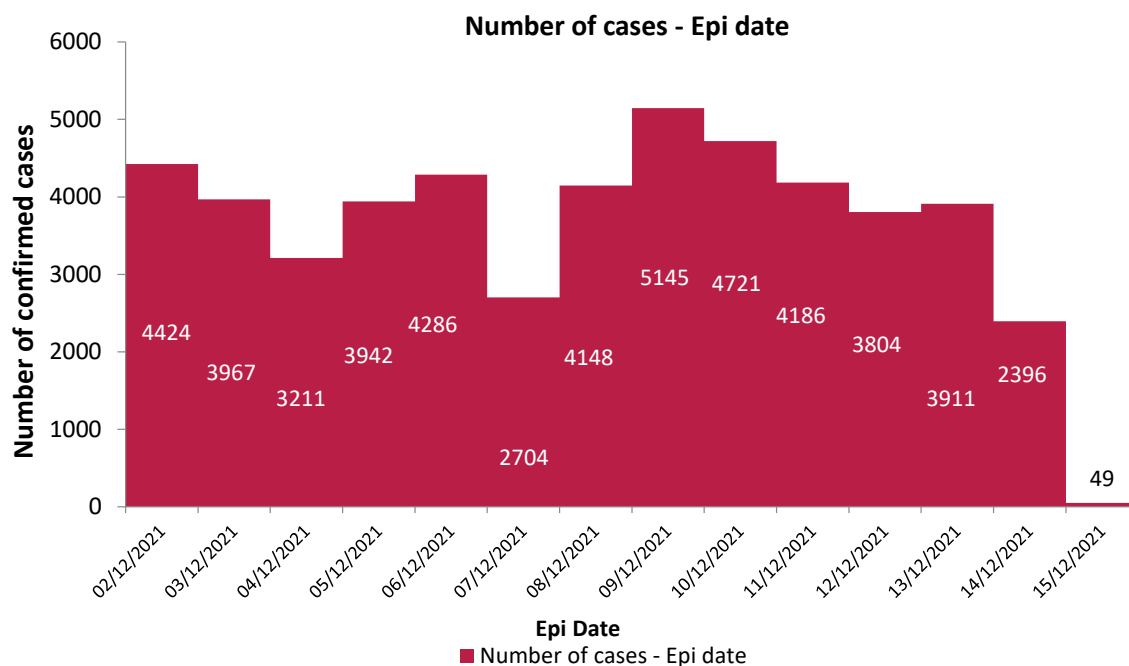


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*Epidemiological date is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR.

Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 02/12/2021 up to midnight on 15/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		62,577	100
Sex	Male	31,036	49.6
	Female	31,408	50.2
	Unknown	133	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3355	5.4
	5-12 yrs	12027	19.2
	13-18 yrs	3825	6.1
	19-24 yrs	5423	8.7
	25-34 yrs	10181	16.3
	35-44 yrs	12096	19.3
	45-54 yrs	7927	12.7
	55-64 yrs	4942	7.9
	65-74 yrs	2139	3.4
	75-84 yrs	475	0.8
	85+ yrs	184	0.3
	Unknown	3	
	Total	62,577	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 02/12/2021 up to midnight on 15/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		62,577	100	
Symptom status at time of test*	Yes	7841	12.5	99.9
	No	11	0.0	0.1
	Unknown	54,725	87.5	
	Total cases where known	7852		
Healthcare worker	Yes	274	0.4	2.9
	No	9020	14.4	97.1
	Unknown	53,283	85.1	
	Total cases where known	9294		

*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.

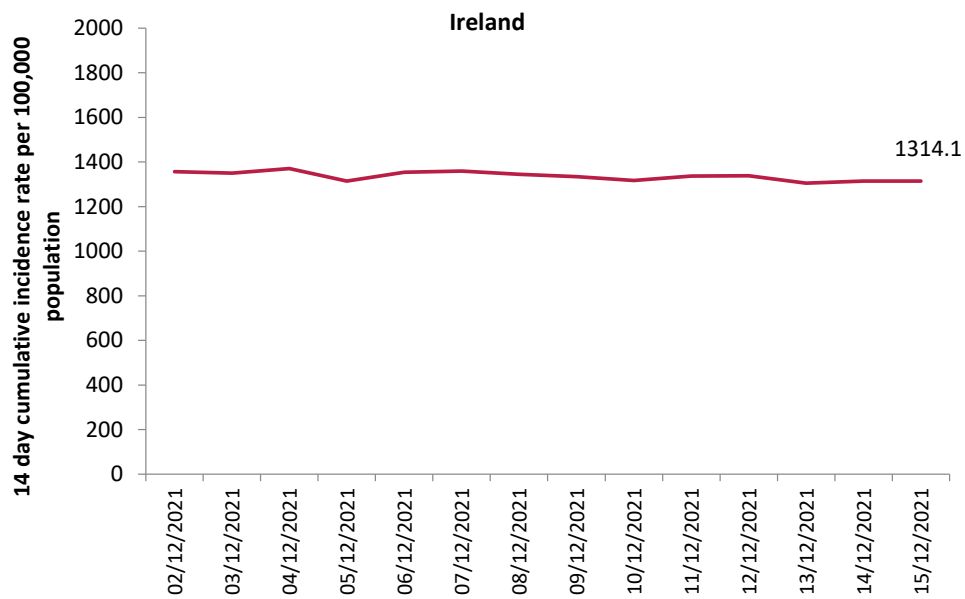


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 02/12/2021 up to midnight on 15/12/2021

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 3: Number of confirmed COVID-19 cases by county notified in Ireland from 02/12/2021 up to midnight on 15/12/2021, 7 day numbers are reported from 09/12/2021 up to midnight on 15/12/2021

County	Number of confirmed cases in last 7 days	7-day Incidence per 100,000 population	Number of confirmed cases in last 14 days	14-day Incidence per 100,000 population	7 day incidence rate as a percentage of 14 day rate	5 day moving average of confirmed cases (11/12/2021 - 15/12/2021)
Westmeath	615	692.8	1400	1577.1	43.93	92
Carlow	395	693.8	1078	1893.5	36.64	50
Laois	562	663.5	1233	1455.8	45.58	74
Kilkenny	634	638.9	1392	1402.8	45.55	102
Dublin	10,508	779.9	20859	1548.1	50.38	1513
Waterford	711	612.0	1661	1429.7	42.81	109
Louth	822	637.8	1795	1392.7	45.79	131
Cork	3,753	691.3	7514	1384.1	49.95	563
Kildare	1,491	670.1	3300	1483.1	45.18	204
Tipperary	912	571.6	2127	1333.1	42.88	129
Clare	568	478.0	1273	1071.4	44.62	76
Offaly	430	551.6	960	1231.4	44.79	61
Meath	1,177	603.5	2451	1256.6	48.02	164
Kerry	901	610.0	1650	1117.1	54.61	132
Monaghan	295	480.6	636	1036.1	46.38	42
Wicklow	621	436.0	1501	1053.9	41.37	96
Galway	1,276	494.5	2753	1066.8	46.35	180
Wexford	754	503.6	1677	1120.1	44.96	117
Cavan	300	393.8	698	916.3	42.98	45
Longford	198	484.4	421	1030.0	47.03	26
Donegal	730	458.6	1662	1044.0	43.92	107
Sligo	250	381.5	656	1001.0	38.11	35
Leitrim	159	496.2	338	1054.8	47.04	22
Limerick	1,006	516.2	1900	974.9	52.95	160
Mayo	444	340.2	1076	824.5	41.26	64
Roscommon	204	316.1	566	876.9	36.04	29
Unknown/Other						
Total	29,716	624.0	62577	1314.1	47.49	4322

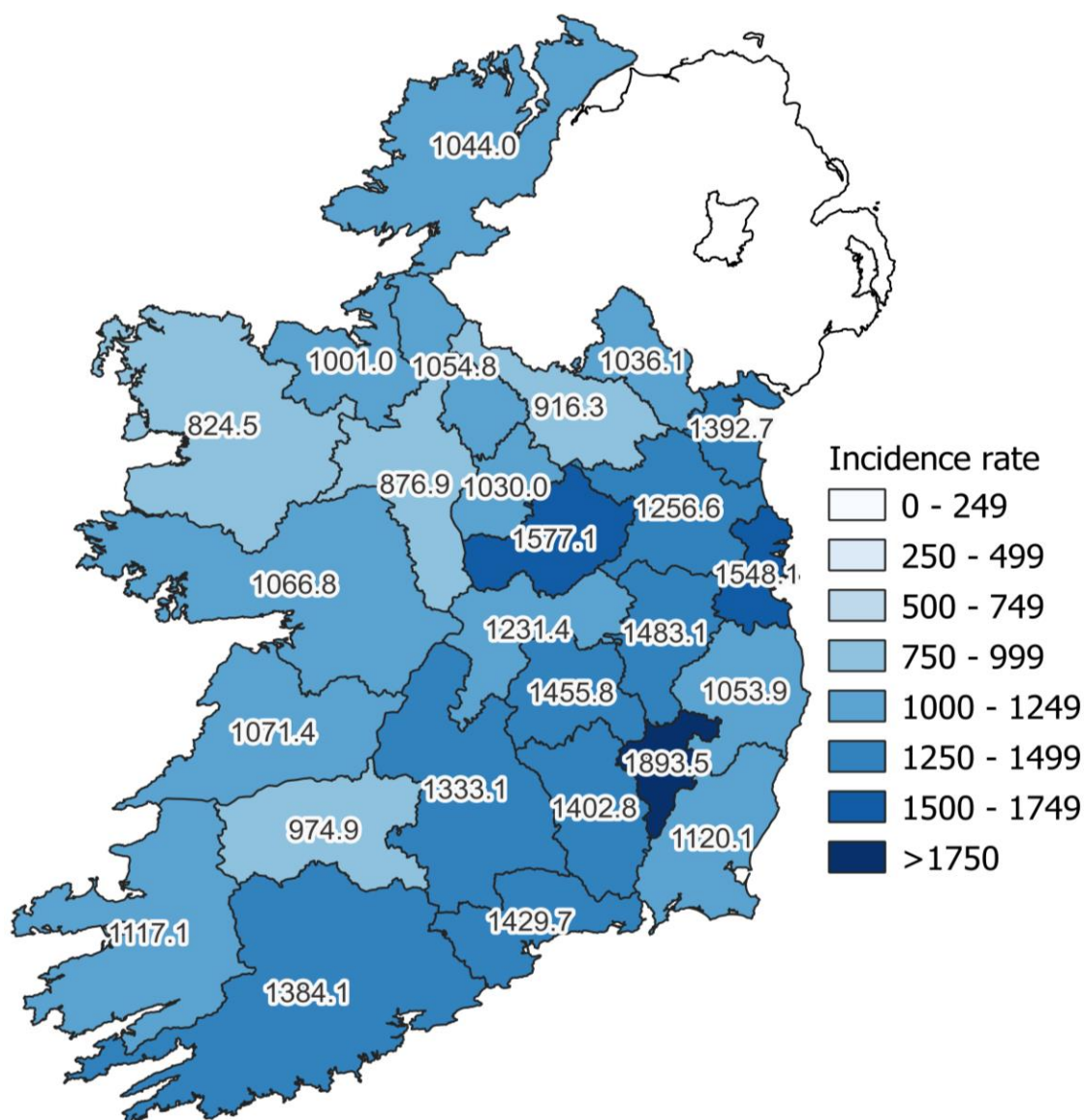


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 02/12/2021 up to midnight on 15/12/2021

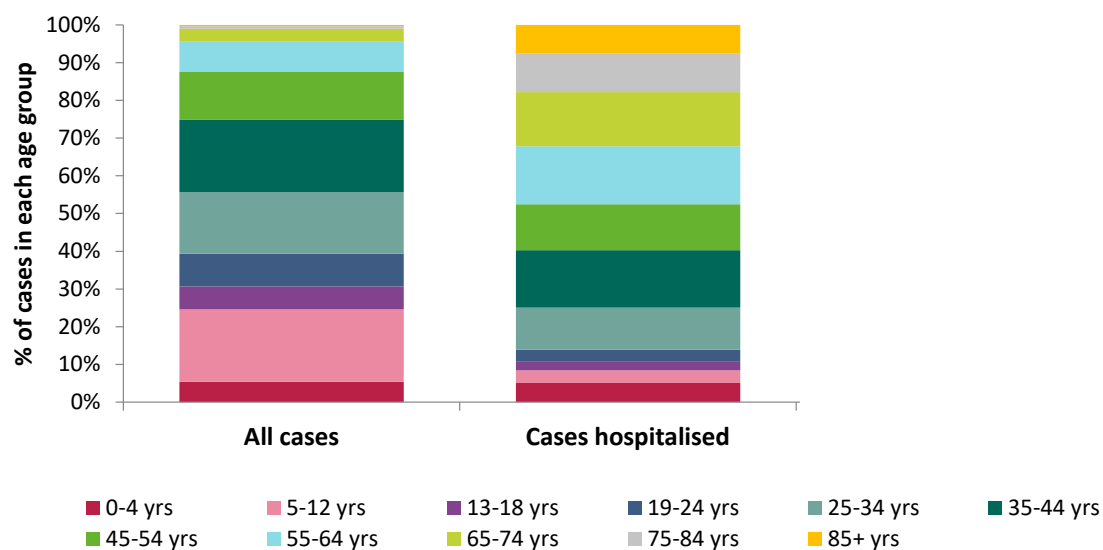


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 02/12/2021 up to midnight on 15/12/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 02/12/2021 up to midnight on 15/12/2021, by age group, hospitalisation and ICU admission*

Age Group (years)	Number of cases (n)	Number of cases (%)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	3355	5.4	27	5.1	<5	-
5-12 yrs	12027	19.2	18	3.4	<5	-
13-18 yrs	3825	6.1	12	2.2	<5	-
19-24 yrs	5423	8.7	17	3.2	<5	-
25-34 yrs	10181	16.3	60	11.2	<5	-
35-44 yrs	12096	19.3	81	15.2	6	23.1
45-54 yrs	7927	12.7	65	12.2	<5	-
55-64 yrs	4942	7.9	82	15.4	6	23.1
65-74 yrs	2139	3.4	77	14.4	7	26.9
75-84 yrs	475	0.8	55	10.3	<5	-
85+ yrs	184	0.3	40	7.5	<5	-
Unknown	3	0.0	0	0.0	0	0.0
Total	62577	100	534	100	26	100

* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

Table 5: Daily number of confirmed COVID-19 cases notified in Ireland from 02/12/2021 up to midnight on 15/12/2021

Date	Number of confirmed cases
02/12/2021	5410
03/12/2021	5614
04/12/2021	5149
05/12/2021	2947
06/12/2021	5575
07/12/2021	4147
08/12/2021	4019
09/12/2021	4105
10/12/2021	4002
11/12/2021	4665
12/12/2021	4682
13/12/2021	3886
14/12/2021	4235
15/12/2021	4141
Total	62,577

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

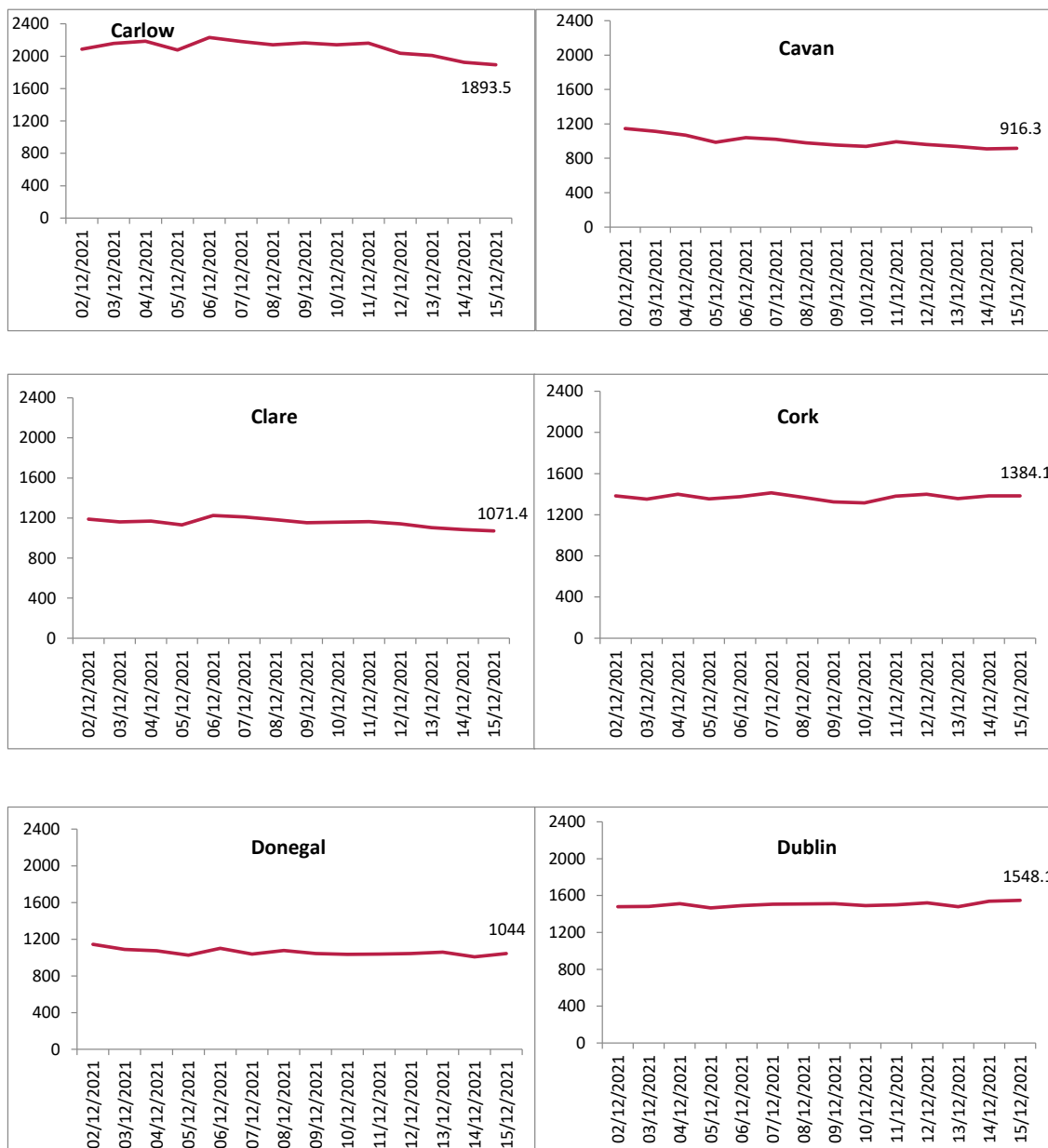
Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

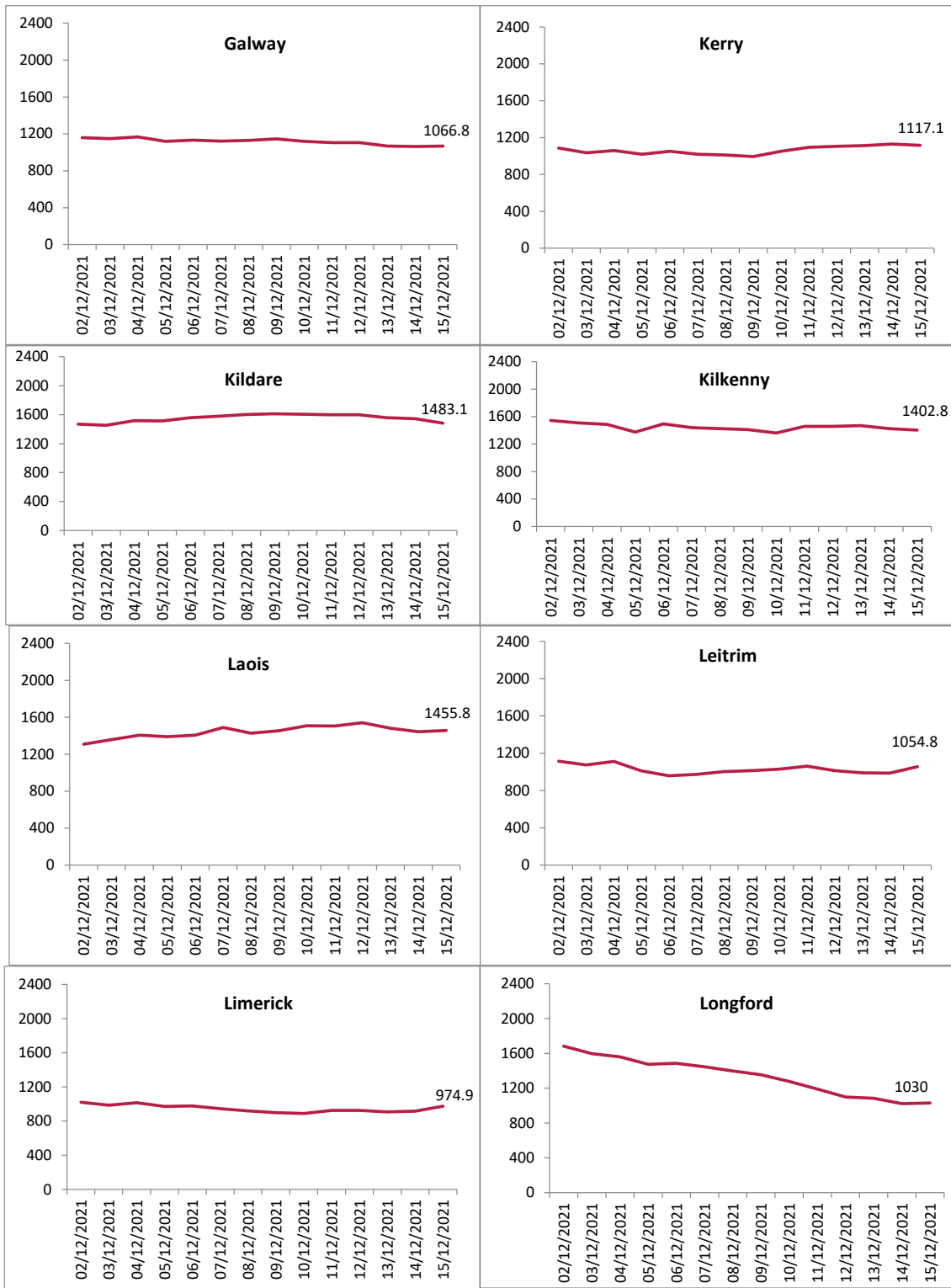
3. Epidemiological date

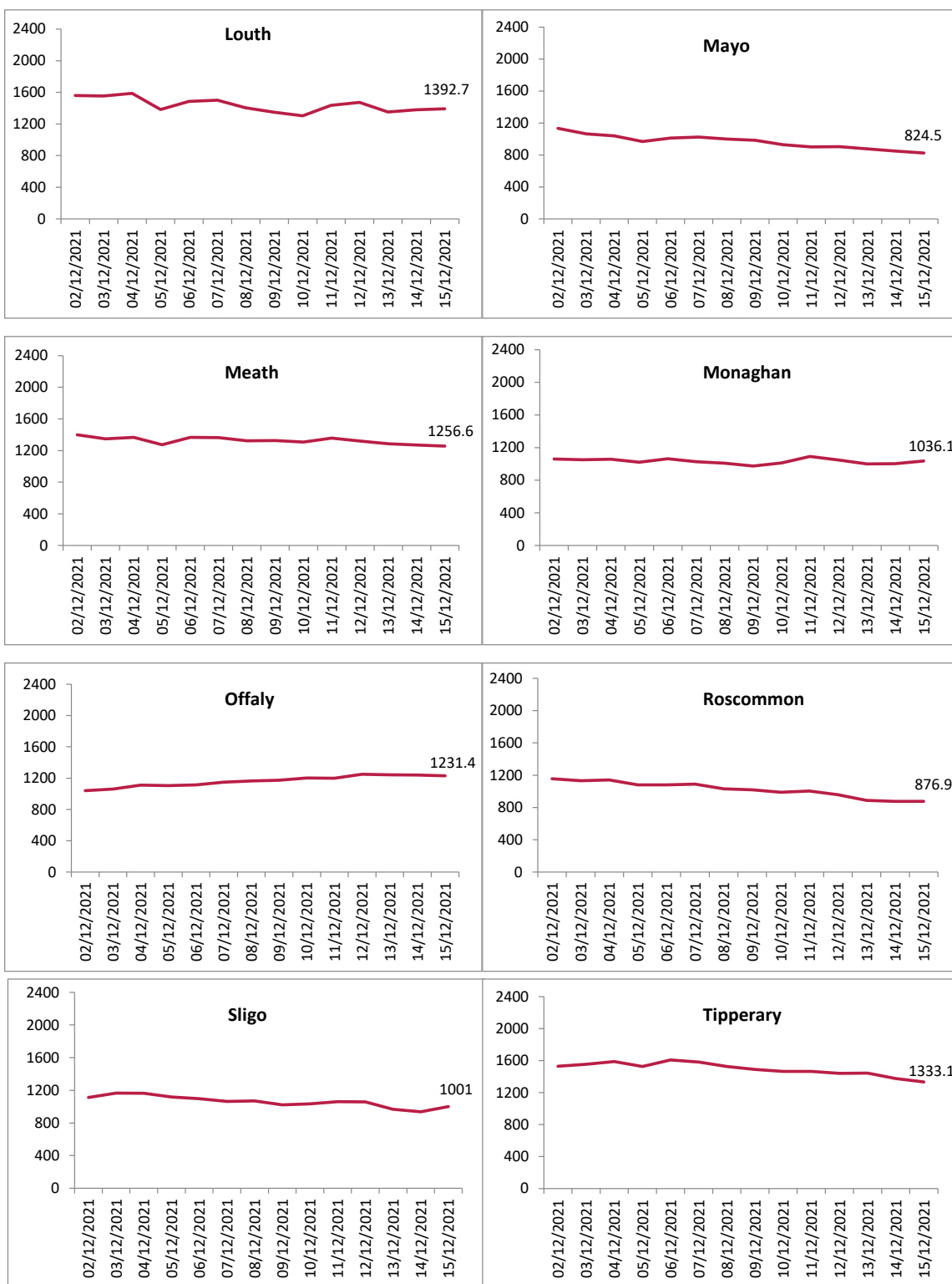
The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (02/12/2021 to 15/12/2021)







Report prepared by Health Protection Surveillance Centre on 16/12/2021

