



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 08/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 24/11/2021 up to midnight on 07/12/2021

	Number	Percent
Total number of confirmed cases	64,780	
National incidence of confirmed cases per 100,000	1360.4	
Number of cases hospitalised*	545	0.84
Number of cases admitted to ICU*	25	0.04
Number of cases in healthcare workers	614	0.95
% where HCW is known	2.9	
Number of cases associated with clusters**	630	0.97
Males	31,821	49.1
Females	32,855	50.7
M:F ratio	0.97	
Median age (years)	31	
Mean age (years)	31	
Age range (years)	0-99	

* 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 24/11/2021 up to midnight on 07/12/2021. 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 08/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

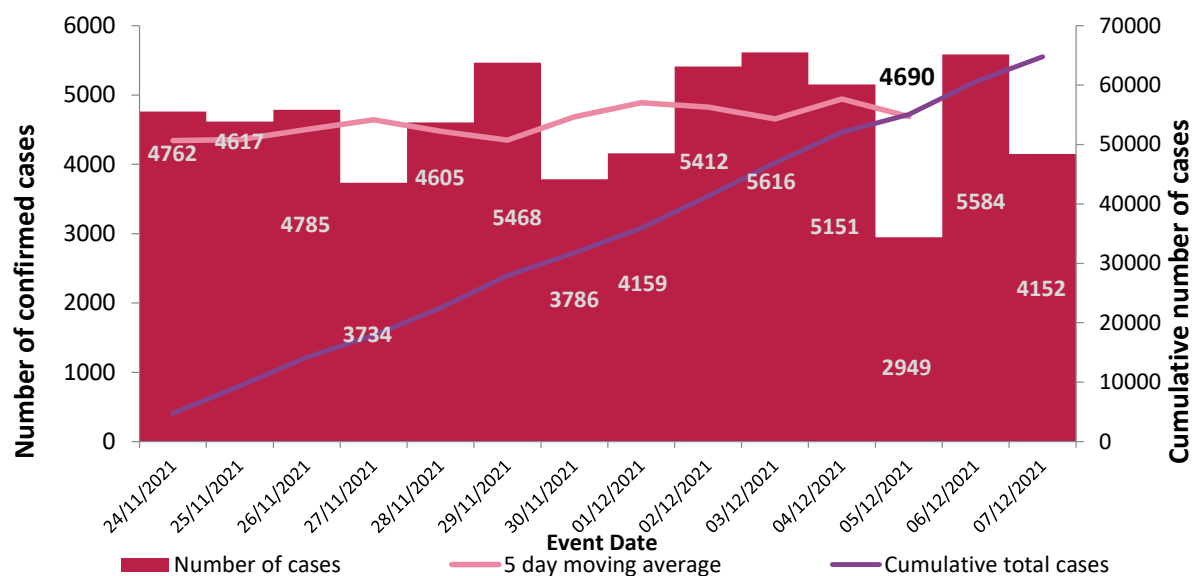


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64780)

*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.

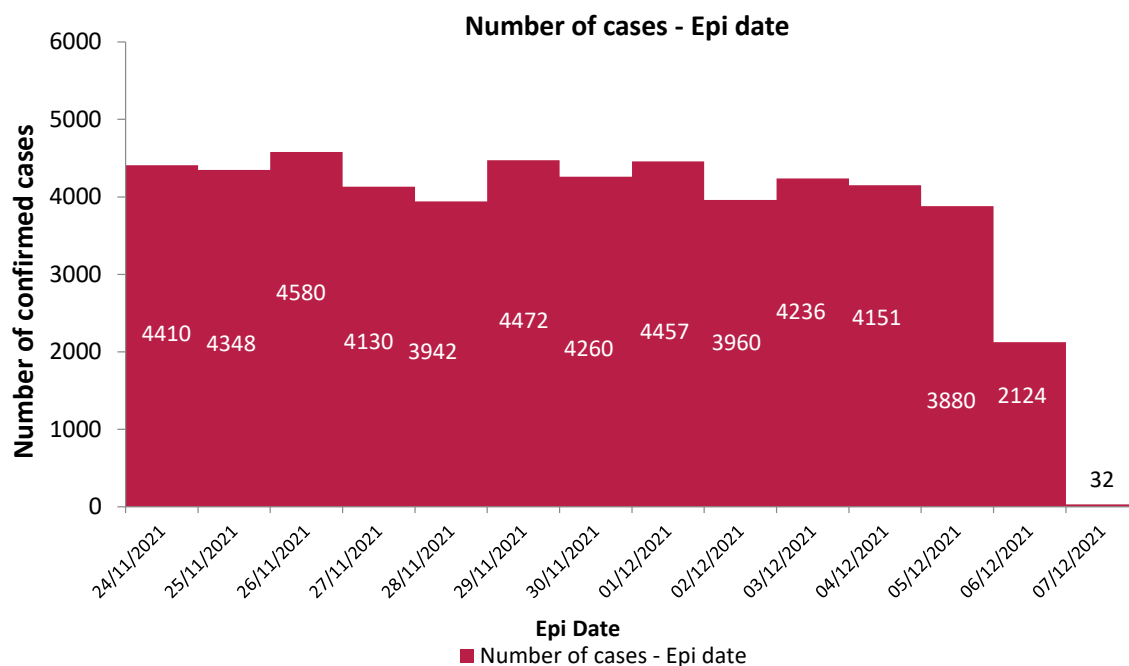


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 24/11/2021 up to midnight on 07/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,780	100
Sex	Male	31,821	49.1
	Female	32,855	50.7
	Unknown	104	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-99	
	0-4 yrs	3397	5.2
	5-12 yrs	13560	20.9
	13-18 yrs	3878	6.0
	19-24 yrs	5454	8.4
	25-34 yrs	9124	14.1
	35-44 yrs	12081	18.6
	45-54 yrs	8276	12.8
	55-64 yrs	5328	8.2
	65-74 yrs	2810	4.3
	75-84 yrs	701	1.1
	85+ yrs	161	0.2
	Unknown	10	
	Total	64,780	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 24/11/2021 up to midnight on 07/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,780	100	
Symptom status at time of test*	Yes	18237	28.2	100.0
	No	5	0.0	0.0
	Unknown	46,538	71.8	
	Total cases where known	18242		
Healthcare worker	Yes	614	0.9	2.9
	No	20621	31.8	97.1
	Unknown	43,545	67.2	
	Total cases where known	21235		

*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.

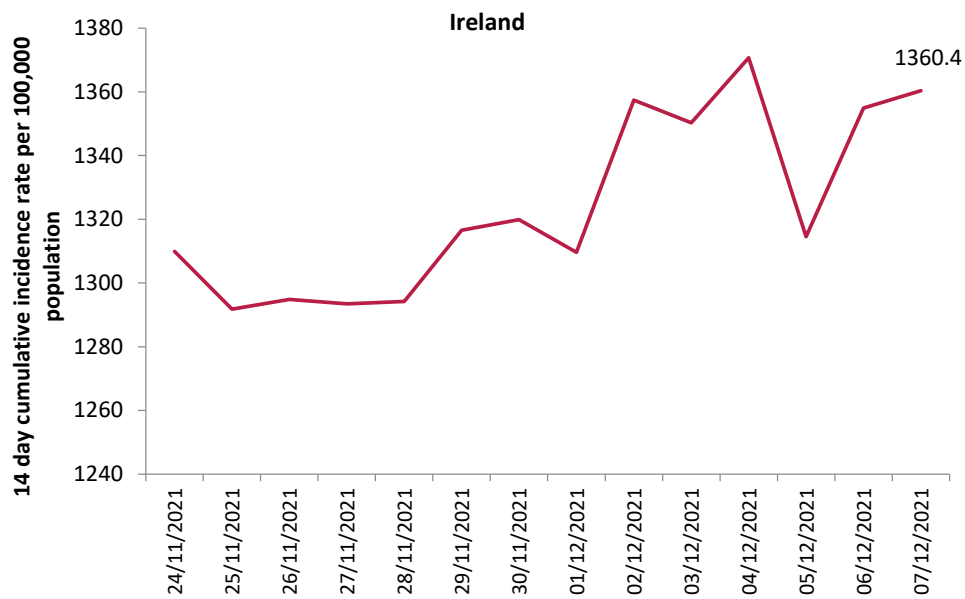


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 24/11/2021 up to midnight on 07/12/2021

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 24/11/2021 up to midnight on 07/12/2021, 7 day numbers are reported from 01/12/2021 up to midnight on 07/12/2021

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 (03/12/2021 - 07/12/2021)
Carlow	661	1161.0	1296	2276.4	51.00	85
Westmeath	829	933.9	1634	1840.7	50.73	125
Laois	727	858.4	1310	1546.7	55.50	100
Waterford	948	816.0	1708	1470.2	55.50	138
Kildare	1,742	782.9	3352	1506.5	51.97	231
Tipperary	1,234	773.4	2523	1581.3	48.91	183
Dublin	10,214	758.1	20297	1506.4	50.32	1539
Louth	970	752.6	1964	1523.9	49.39	145
Cork	4,057	747.3	7658	1410.7	52.98	556
Kilkenny	698	703.4	1405	1415.9	49.68	94
Offaly	538	690.1	930	1192.9	57.85	74
Wexford	992	662.6	1920	1282.4	51.67	152
Longford	269	658.1	623	1524.2	43.18	31
Clare	775	652.3	1470	1237.2	52.72	114
Wicklow	908	637.5	1772	1244.2	51.24	135
Meath	1,233	632.2	2569	1317.1	48.00	160
Sligo	377	575.3	695	1060.5	54.24	50
Kerry	834	564.6	1517	1027.0	54.98	107
Monaghan	341	555.5	635	1034.4	53.70	49
Galway	1,400	542.5	2892	1120.7	48.41	179
Donegal	860	540.2	1650	1036.5	52.12	116
Cavan	395	518.5	784	1029.2	50.38	54
Leitrim	161	502.4	310	967.4	51.94	20
Limerick	946	485.4	1876	962.5	50.43	139
Mayo	619	474.3	1323	1013.7	46.79	84
Roscommon	295	457.1	667	1033.4	44.23	29
Unknown/Other						
Total	33,023	693.5	64780	1360.4	50.98	4690

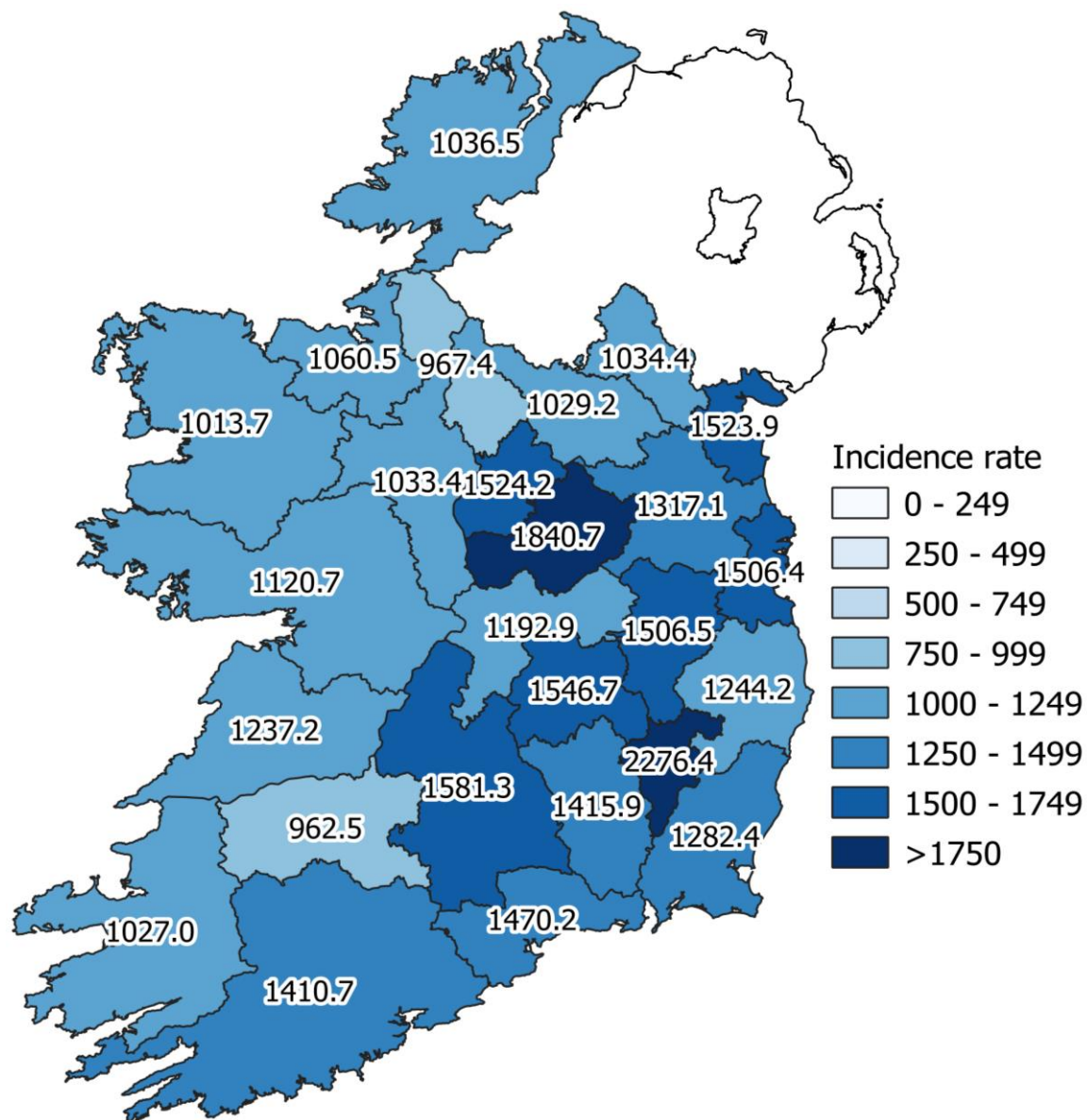


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 24/11/2021 up to midnight on 07/12/2021

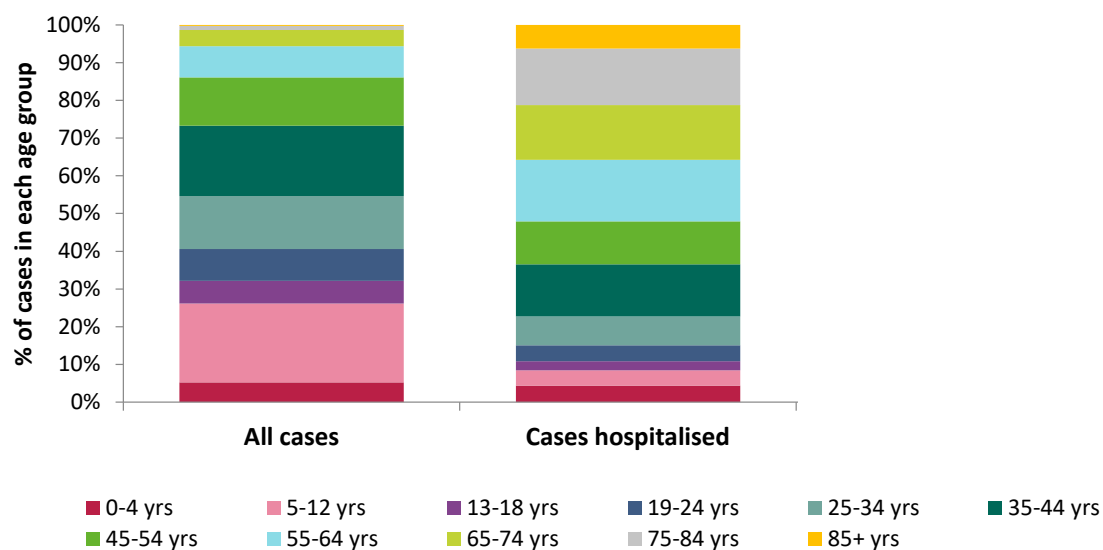


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 24/11/2021 up to midnight on 07/12/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 24/11/2021 up to midnight on 07/12/2021, 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	3397	5.2	24	4.4	<5	-
5-12 yrs	13560	20.9	22	4.0	<5	-
13-18 yrs	3878	6.0	13	2.4	<5	-
19-24 yrs	5454	8.4	23	4.2	<5	-
25-34 yrs	9124	14.1	42	7.7	<5	-
35-44 yrs	12081	18.6	75	13.8	<5	-
45-54 yrs	8276	12.8	62	11.4	<5	-
55-64 yrs	5328	8.2	89	16.3	7	28.0
65-74 yrs	2810	4.3	79	14.5	6	24.0
75-84 yrs	701	1.1	82	15.0	<5	-
85+ yrs	161	0.2	34	6.2	<5	-
Unknown	10	0.0	0	0.0	0	0.0
Total	64780	100	545	100	25	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 24/11/2021 up to midnight on 07/12/2021

Date	Number of confirmed cases
24/11/2021	4762
25/11/2021	4617
26/11/2021	4785
27/11/2021	3734
28/11/2021	4605
29/11/2021	5468
30/11/2021	3786
01/12/2021	4159
02/12/2021	5412
03/12/2021	5616
04/12/2021	5151
05/12/2021	2949
06/12/2021	5584
07/12/2021	4152
Total	64,780

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.

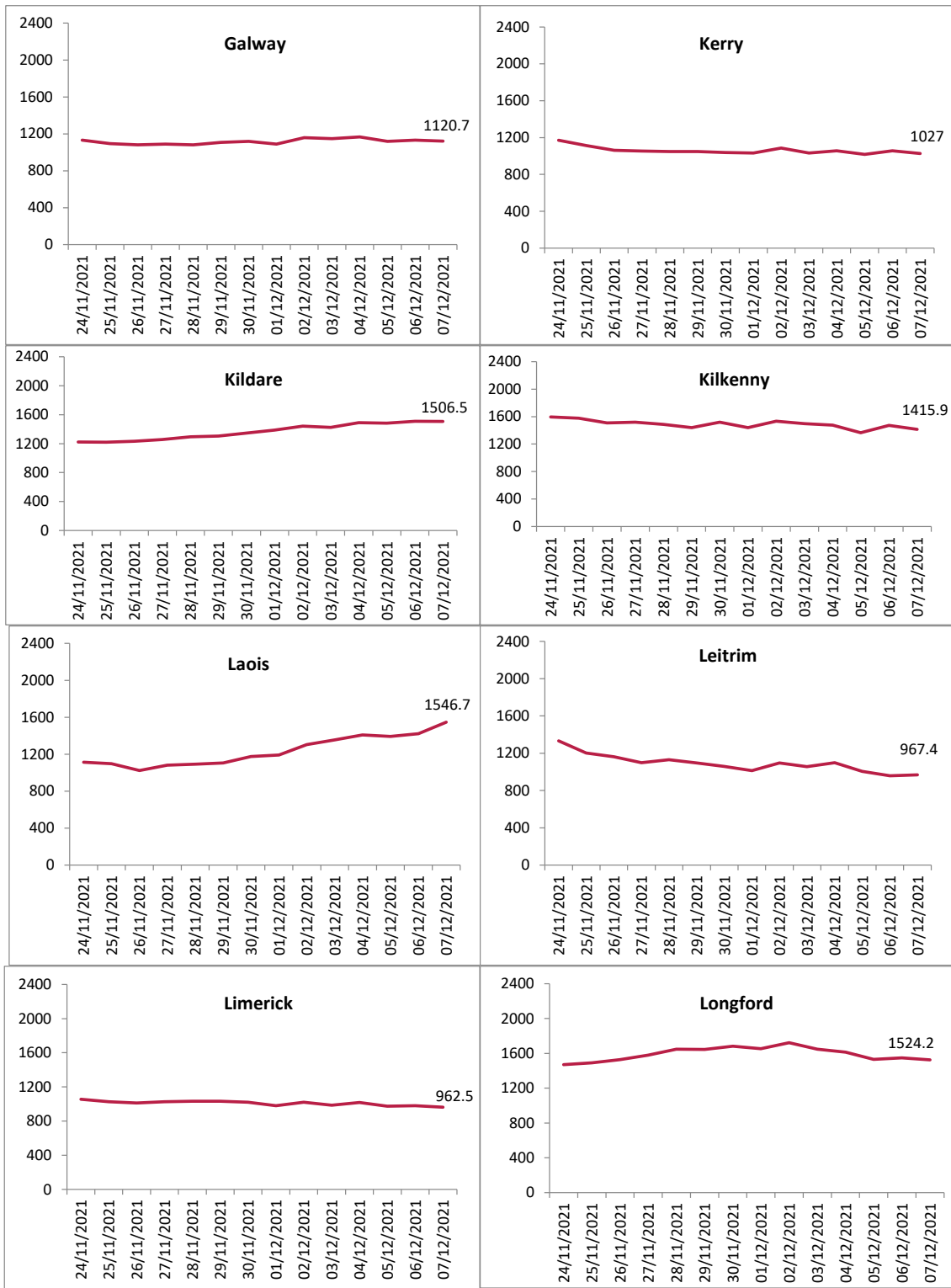
3. Epidemiological date

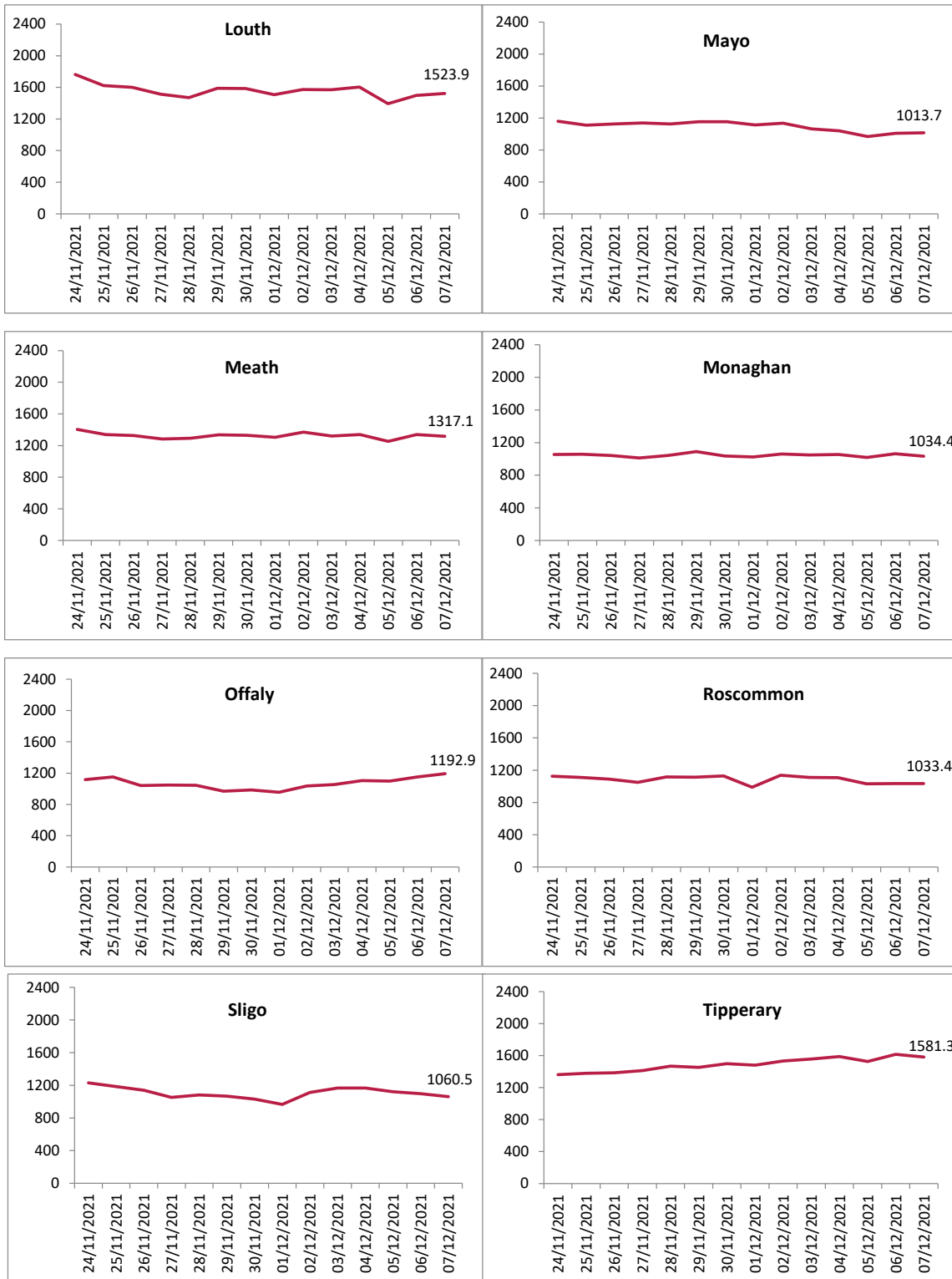
The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date 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 (24/11/2021 to 07/12/2021)







Report prepared by Health Protection Surveillance Centre on 08/12/2021

