



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 13/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/11/2021 up to midnight on 12/12/2021

	Number	Percent
Total number of confirmed cases	63,743	
National incidence of confirmed cases per 100,000	1338.6	
Number of cases hospitalised*	516	0.81
Number of cases admitted to ICU*	21	0.03
Number of cases in healthcare workers	426	0.67
% where HCW is known	2.8	
Number of cases associated with clusters**	669	1.05
Males	31,434	49.3
Females	32,190	50.5
M:F ratio	0.98	
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 29/11/2021 up to midnight on 12/12/2021. 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 13/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

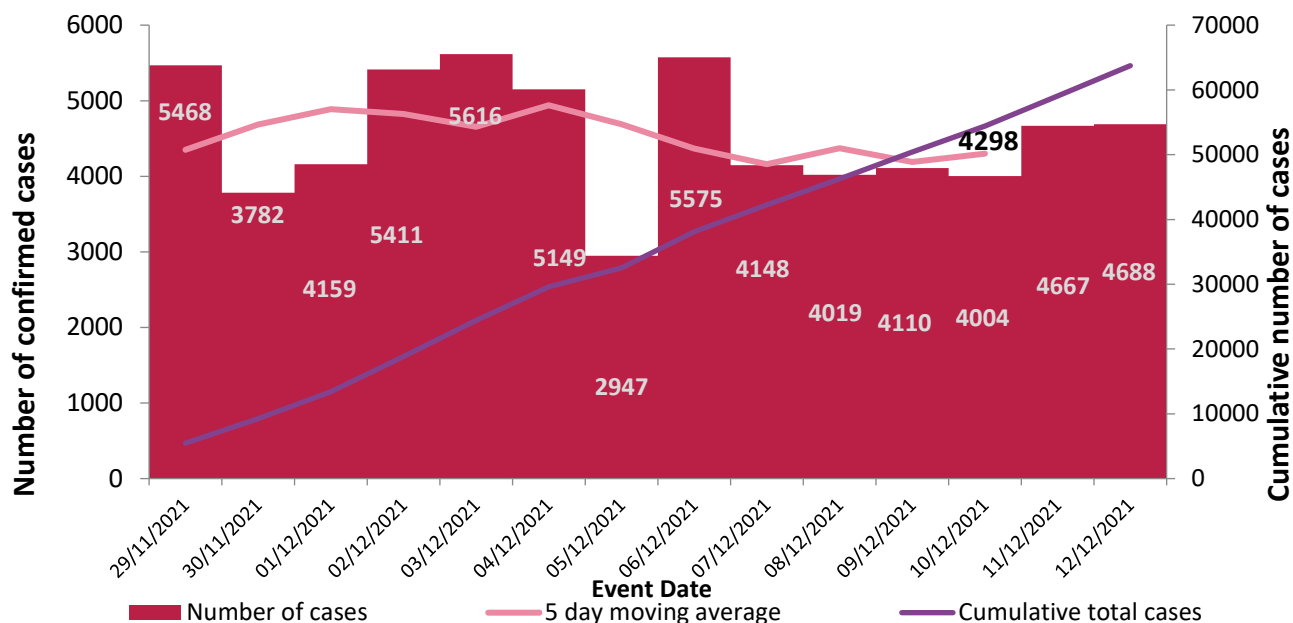


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=63743)

*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 \(https://www.hpsc.ie/a-z/respiratory/coronavirus/novelcoronavirus/surveillance/epidemiologyfrequentlyaskedquestions/\)](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.

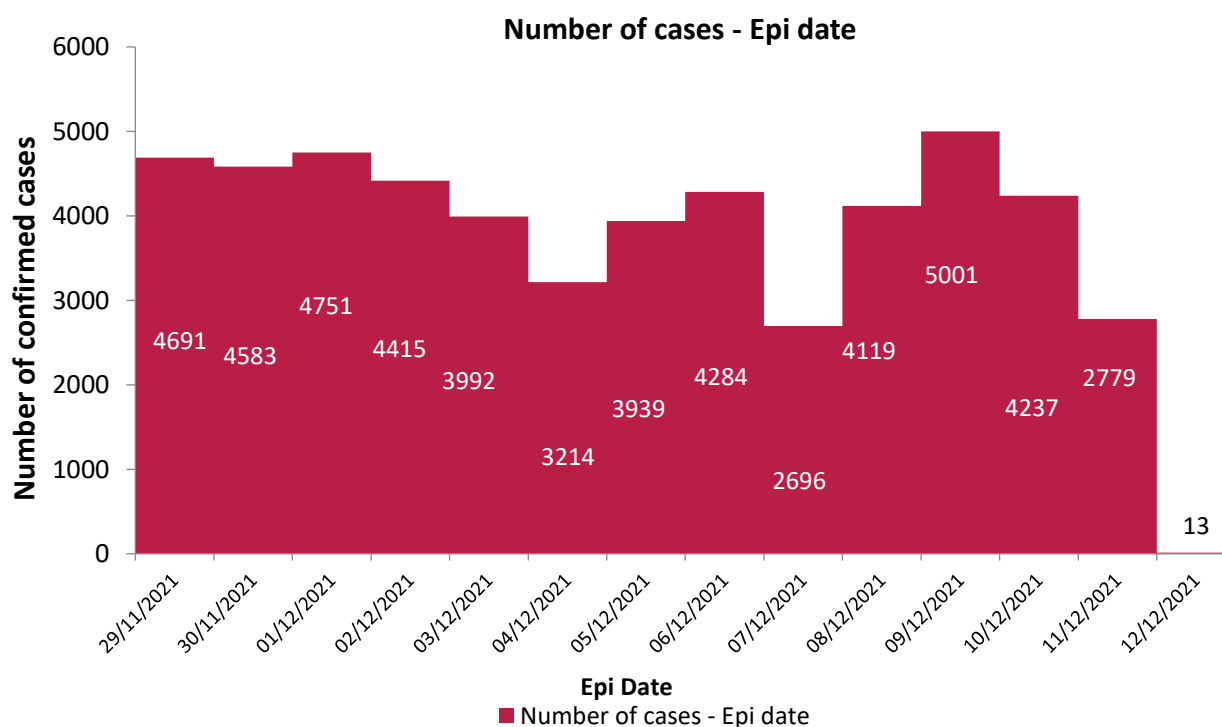


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 29/11/2021 up to midnight on 12/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		63,743	100
Sex	Male	31,434	49.3
	Female	32,190	50.5
	Unknown	119	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3453	5.4
	5-12 yrs	12922	20.3
	13-18 yrs	3816	6.0
	19-24 yrs	5261	8.3
	25-34 yrs	9691	15.2
	35-44 yrs	12260	19.2
	45-54 yrs	8163	12.8
	55-64 yrs	5105	8.0
	65-74 yrs	2357	3.7
	75-84 yrs	537	0.8
	85+ yrs	171	0.3
	Unknown	7	
	Total	63,743	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 29/11/2021 up to midnight on 12/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		63,743	100	
Symptom status at time of test*	Yes	12969	20.3	99.9
	No	11	0.0	0.1
	Unknown	50,763	79.6	
	Total cases where known	12980		
Healthcare worker	Yes	426	0.7	2.8
	No	14757	23.2	97.2
	Unknown	48,560	76.2	
	Total cases where known	15183		

*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.

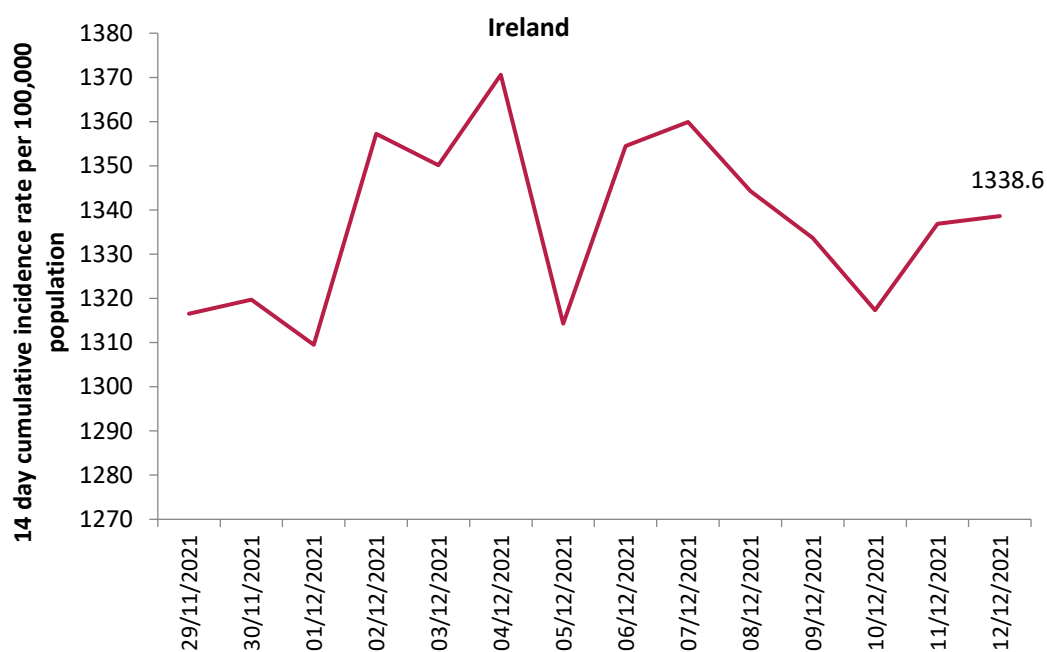


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 29/11/2021 up to midnight on 12/12/2021

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 29/11/2021 up to midnight on 12/12/2021, 7 day numbers are reported from 06/12/2021 up to midnight on 12/12/2021

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 (08/12/2021 - 12/12/2021)
Westmeath	850	957.5	1642	1849.7	51.77	135
Carlow	515	904.6	1181	2074.4	43.61	68
Laois	720	850.1	1390	1641.1	51.80	107
Kilkenny	776	782.0	1438	1449.1	53.96	110
Dublin	10,456	776.0	20431	1516.4	51.18	1442
Waterford	836	719.6	1699	1462.4	49.21	106
Louth	926	718.5	1917	1487.4	48.30	121
Cork	3,804	700.7	7543	1389.5	50.43	512
Kildare	1,530	687.6	3386	1521.8	45.19	204
Tipperary	1,079	676.3	2307	1445.9	46.77	144
Clare	796	669.9	1450	1220.4	54.90	105
Offaly	515	660.6	1003	1286.5	51.35	76
Meath	1,218	624.5	2503	1283.3	48.66	159
Kerry	798	540.3	1642	1111.7	48.60	122
Monaghan	313	509.9	648	1055.6	48.30	45
Wicklow	717	503.4	1693	1188.7	42.35	85
Galway	1,296	502.2	2845	1102.5	45.55	203
Wexford	748	499.6	1604	1071.3	46.63	89
Cavan	369	484.4	737	967.5	50.07	46
Longford	197	482.0	458	1120.5	43.01	30
Donegal	766	481.2	1664	1045.3	46.03	113
Sligo	288	439.5	695	1060.5	41.44	39
Leitrim	140	436.9	312	973.7	44.87	23
Limerick	848	435.1	1786	916.4	47.48	116
Mayo	488	373.9	1148	879.6	42.51	63
Roscommon	222	344.0	621	962.1	35.75	35
Unknown/Other						
Total	31,211	655.4	63743	1338.6	48.96	4298

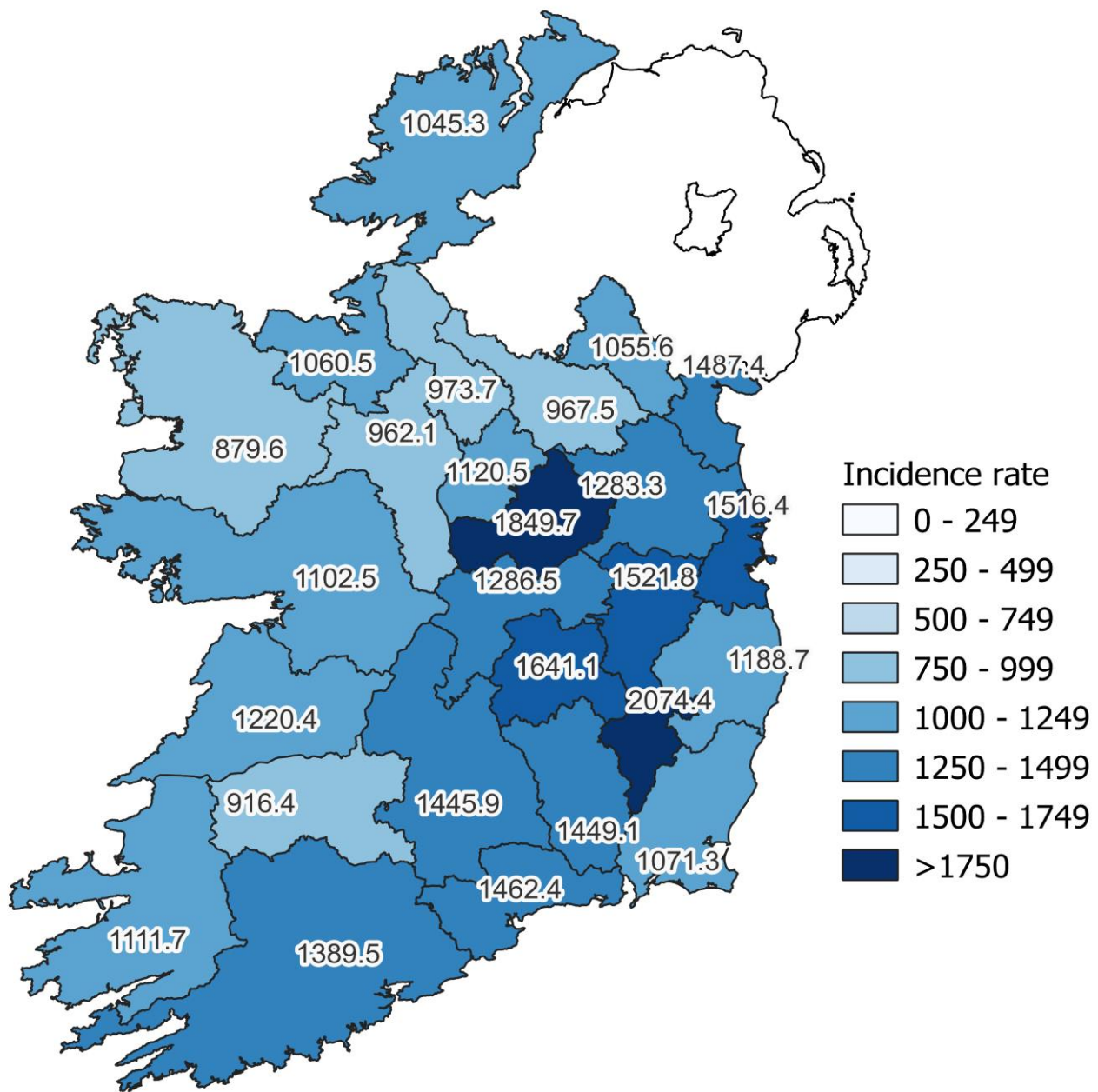


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 29/11/2021 up to midnight on 12/12/2021

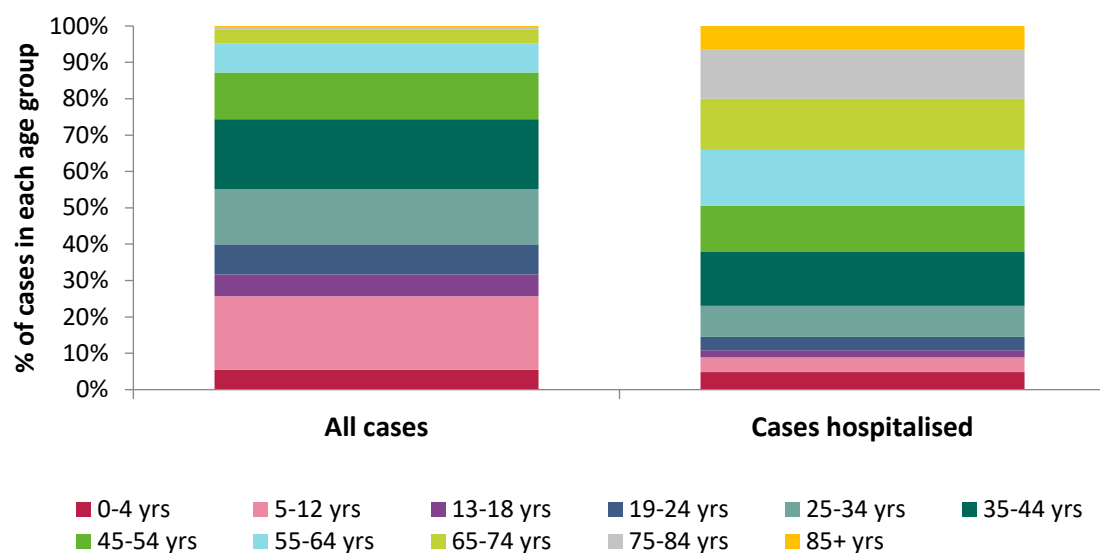


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 29/11/2021 up to midnight on 12/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 29/11/2021 up to midnight on 12/12/2021, 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	3453	5.4	25	4.8	0	0.0
5-12 yrs	12922	20.3	21	4.1	0	0.0
13-18 yrs	3816	6.0	10	1.9	0	0.0
19-24 yrs	5261	8.3	19	3.7	0	0.0
25-34 yrs	9691	15.2	44	8.5	<5	-
35-44 yrs	12260	19.2	77	14.9	5	23.8
45-54 yrs	8163	12.8	65	12.6	<5	-
55-64 yrs	5105	8.0	79	15.3	<5	-
65-74 yrs	2357	3.7	73	14.1	6	28.6
75-84 yrs	537	0.8	70	13.6	<5	-
85+ yrs	171	0.3	33	6.4	0	0.0
Unknown	7	0.0	0	0.0	0	0.0
Total	63743	100	516	100	21	100

* 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.

Table 5: Daily number of confirmed COVID-19 cases notified in Ireland from 29/11/2021 up to midnight on 12/12/2021

Date	Number of confirmed cases
29/11/2021	5468
30/11/2021	3782
01/12/2021	4159
02/12/2021	5411
03/12/2021	5616
04/12/2021	5149
05/12/2021	2947
06/12/2021	5575
07/12/2021	4148
08/12/2021	4019
09/12/2021	4110
10/12/2021	4004
11/12/2021	4667
12/12/2021	4688
Total	63,743

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 (29/11/2021 to 12/12/2021)

