



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 21/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 07/12/2021 up to midnight on 20/12/2021

	Number	Percent
Total number of confirmed cases	64,013	
National incidence of confirmed cases per 100,000	1344.3	
Number of cases hospitalised*	519	0.81
Number of cases admitted to ICU*	30	0.05
Number of cases in healthcare workers	194	0.30
% where HCW is known	-	3.4
Number of cases associated with clusters**	474	0.74
Males	31,854	49.8
Females	32,008	50.0
M:F ratio	1.00	
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 07/12/2021 up to midnight on 20/12/2021. 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 21/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

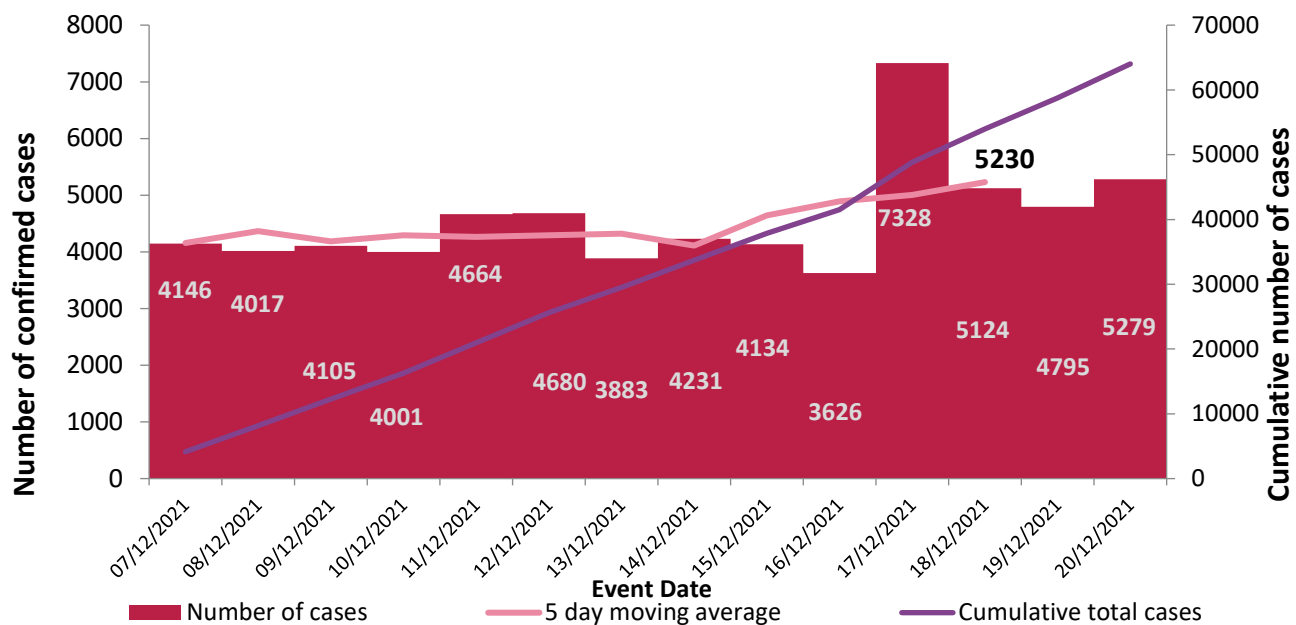


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64013)

*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.

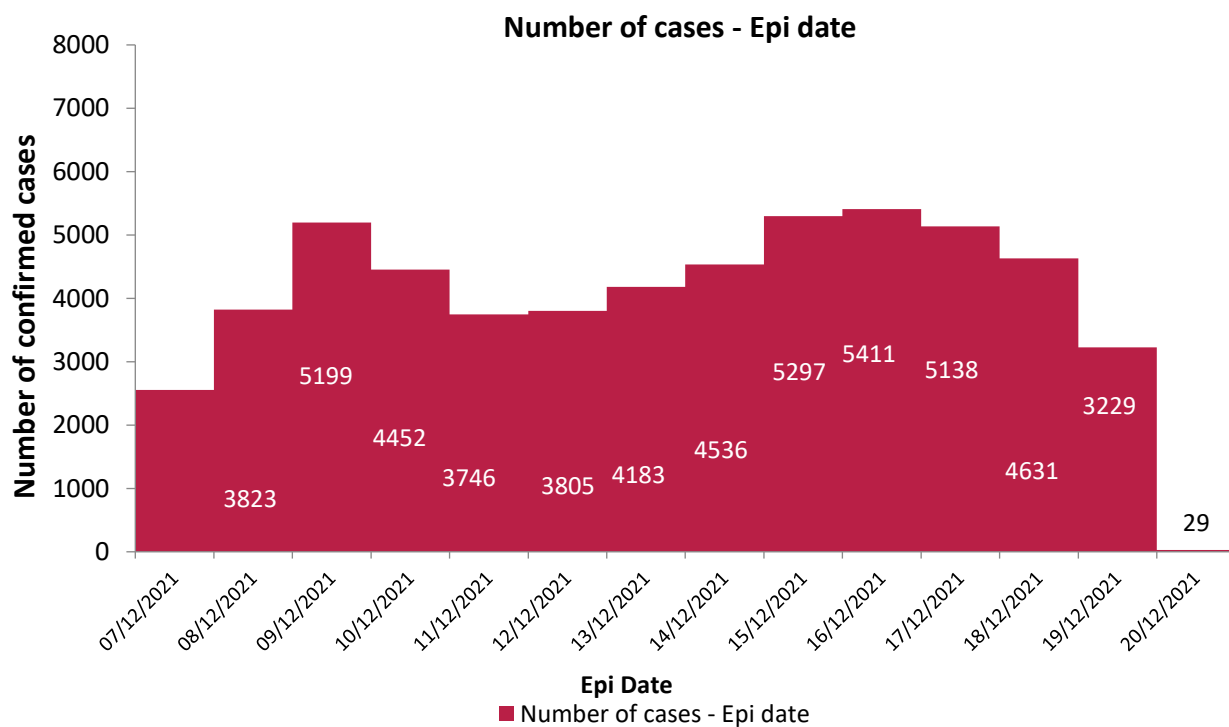


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 07/12/2021 up to midnight on 20/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,013	100
Sex	Male	31,854	49.8
	Female	32,008	50.0
	Unknown	151	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3257	5.1
	5-12 yrs	10112	15.8
	13-18 yrs	3843	6.0
	19-24 yrs	6781	10.6
	25-34 yrs	12537	19.6
	35-44 yrs	12254	19.1
	45-54 yrs	7919	12.4
	55-64 yrs	4850	7.6
	65-74 yrs	1831	2.9
	75-84 yrs	436	0.7
	85+ yrs	192	0.3
	Unknown	1	
	Total	64,013	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 07/12/2021 up to midnight on 20/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,013	100	
Symptom status at time of test*	Yes	4854	7.6	99.8
	No	9	0.0	0.2
	Unknown	59,150	92.4	
	Total cases where known	4863		
Healthcare worker	Yes	194	0.3	3.4
	No	5553	8.7	96.6
	Unknown	58,266	91.0	
	Total cases where known	5747		

*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.

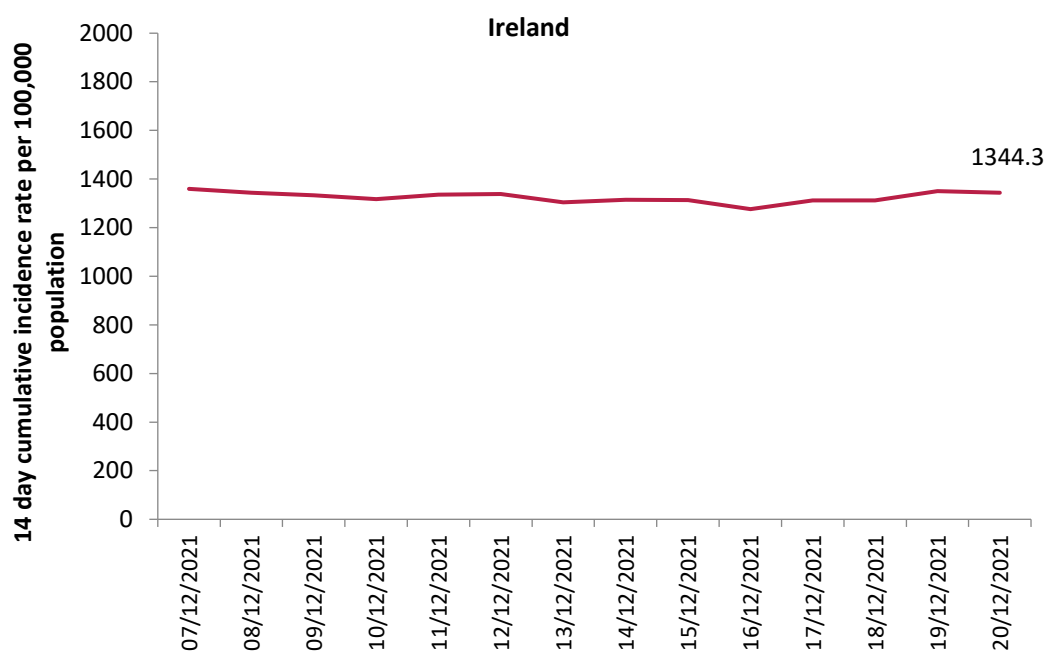


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 07/12/2021 up to midnight on 20/12/2021

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 07/12/2021 up to midnight on 20/12/2021, 7 day numbers are reported from 14/12/2021 up to midnight on 20/12/2021

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 (16/12/2021 - 20/12/2021)
Dublin	12,740	945.6	22942	1702.7	55.53	1901
Louth	1,120	869.0	1945	1509.1	57.58	187
Kilkenny	812	818.3	1488	1499.5	54.57	134
Westmeath	718	808.8	1404	1581.6	51.14	116
Kildare	1,691	760.0	3335	1498.8	50.70	253
Carlow	432	758.8	784	1377.1	55.10	64
Meath	1,410	722.9	2616	1341.2	53.90	224
Cork	3,896	717.7	7379	1359.3	52.80	598
Waterford	774	666.2	1509	1298.9	51.29	109
Longford	272	665.5	457	1118.1	59.52	41
Tipperary	1,061	665.0	2073	1299.3	51.18	174
Laois	557	657.6	1151	1359.0	48.39	78
Leitrim	206	642.9	366	1142.2	56.28	28
Limerick	1,190	610.6	2046	1049.8	58.16	180
Galway	1,573	609.6	2861	1108.7	54.98	236
Clare	699	588.3	1285	1081.5	54.40	119
Monaghan	361	588.1	639	1041.0	56.49	56
Offaly	448	574.6	896	1149.3	50.00	65
Wicklow	817	573.6	1530	1074.2	53.40	125
Kerry	840	568.7	1651	1117.8	50.88	125
Roscommon	336	520.6	555	859.9	60.54	53
Cavan	393	515.9	703	922.9	55.90	62
Sligo	309	471.5	570	869.8	54.21	48
Donegal	739	464.2	1471	924.0	50.24	104
Wexford	682	455.5	1427	953.1	47.79	85
Mayo	441	337.9	930	712.6	47.42	65
Unknown/Other						
Total	34,517	724.9	64013	1344.3	53.92	5230

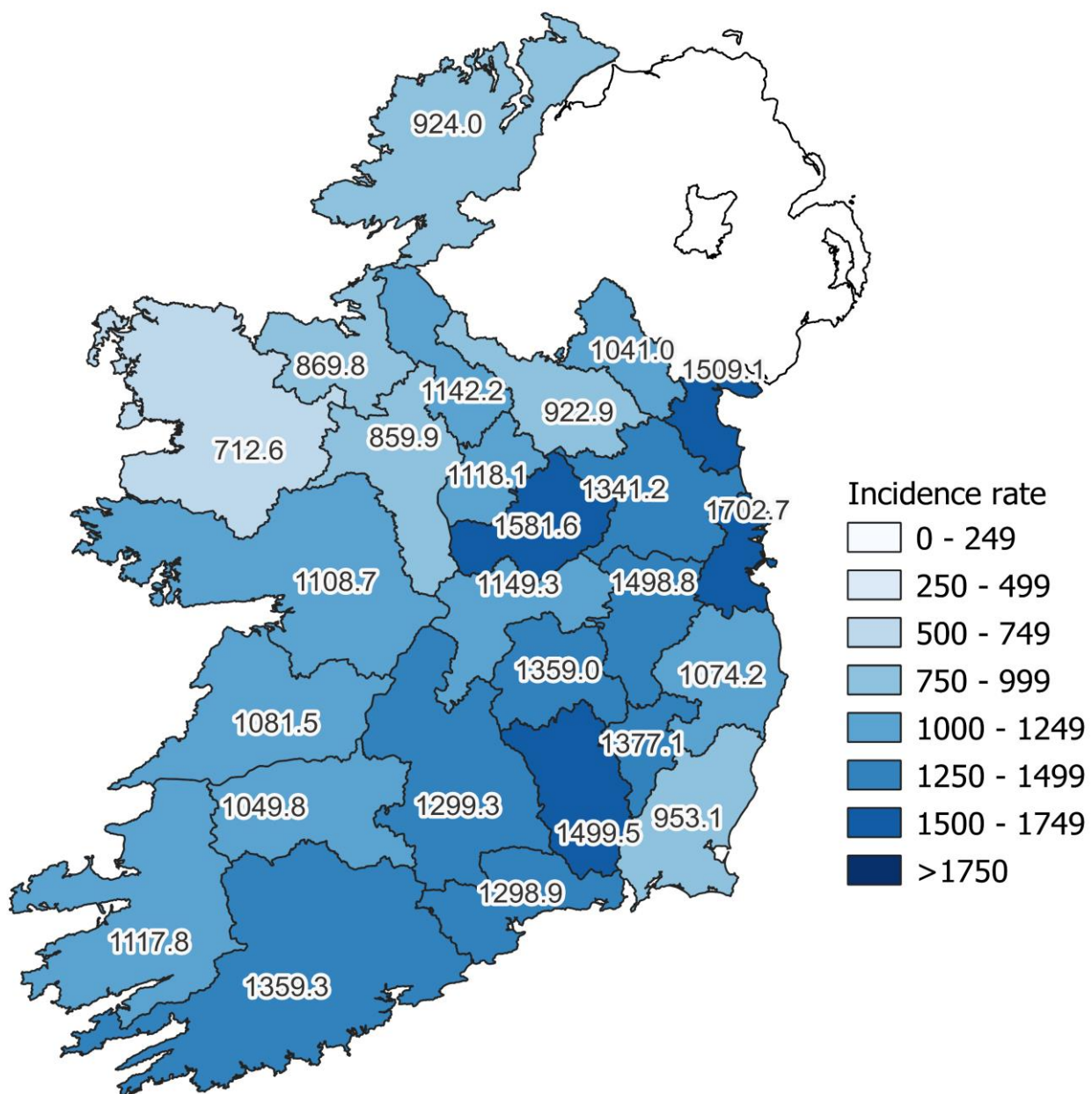


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 07/12/2021 up to midnight on 20/12/2021

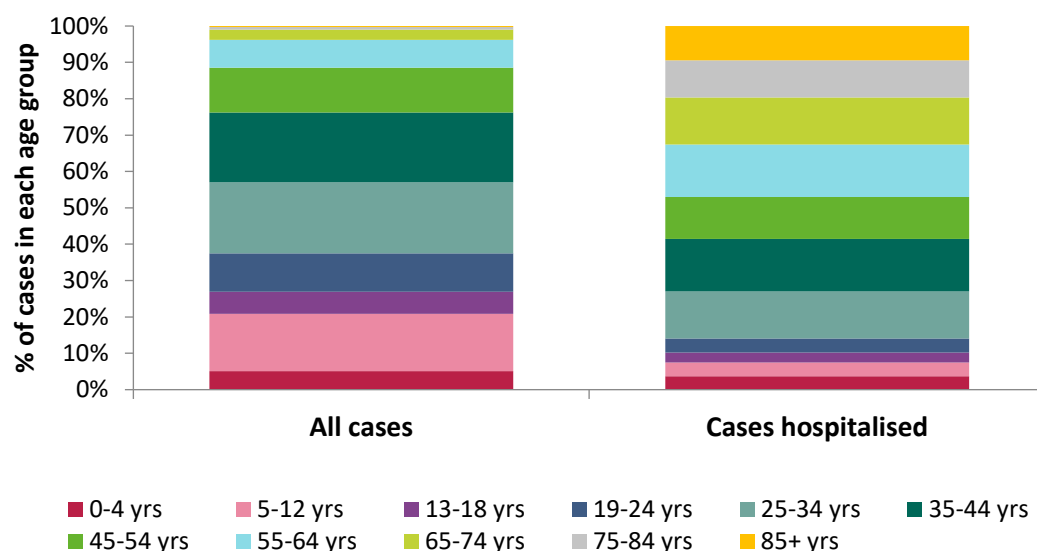


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 07/12/2021 up to midnight on 20/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 07/12/2021 up to midnight on 20/12/2021, 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	3257	5.1	19	3.7	<5	-
5-12 yrs	10112	15.8	20	3.9	0	0.0
13-18 yrs	3843	6.0	14	2.7	0	0.0
19-24 yrs	6781	10.6	20	3.9	0	0.0
25-34 yrs	12537	19.6	67	12.9	<5	-
35-44 yrs	12254	19.1	75	14.5	0	0.0
45-54 yrs	7919	12.4	60	11.6	8	26.7
55-64 yrs	4850	7.6	75	14.5	7	23.3
65-74 yrs	1831	2.9	67	12.9	9	30.0
75-84 yrs	436	0.7	53	10.2	<5	-
85+ yrs	192	0.3	49	9.4	0	0.0
Unknown	1	0.0	0	0.0	0	0.0
Total	64013	100	519	100	30	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 07/12/2021 up to midnight on 20/12/2021

Date	Number of confirmed cases
07/12/2021	4146
08/12/2021	4017
09/12/2021	4105
10/12/2021	4001
11/12/2021	4664
12/12/2021	4680
13/12/2021	3883
14/12/2021	4231
15/12/2021	4134
16/12/2021	3626
17/12/2021	7328
18/12/2021	5124
19/12/2021	4795
20/12/2021	5279
Total	64,013

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 (07/12/2021 to 20/12/2021)

