



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 20/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/12/2021 up to midnight on 19/12/2021

	Number	Percent
Total number of confirmed cases	64,317	
National incidence of confirmed cases per 100,000	1350.7	
Number of cases hospitalised*	543	0.84
Number of cases admitted to ICU*	25	0.04
Number of cases in healthcare workers	187	0.29
% where HCW is known	2.8	
Number of cases associated with clusters**	503	0.78
Males	31,998	49.8
Females	32,191	50.1
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 06/12/2021 up to midnight on 19/12/2021. 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 20/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

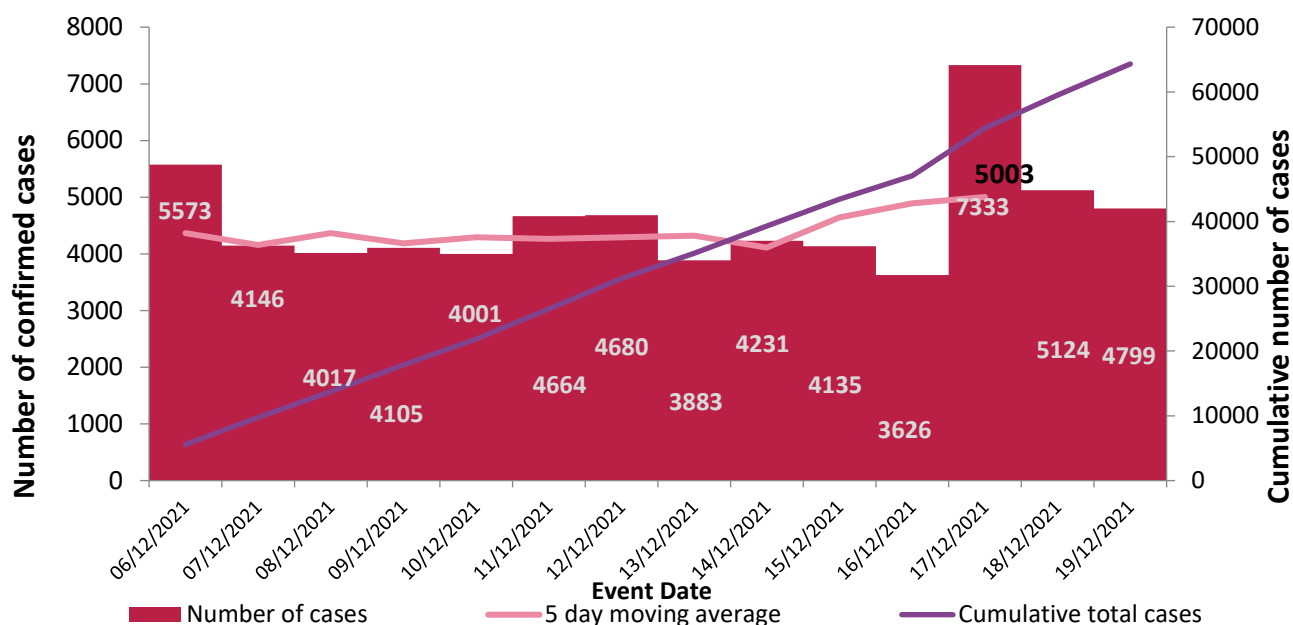


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64317)

*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.

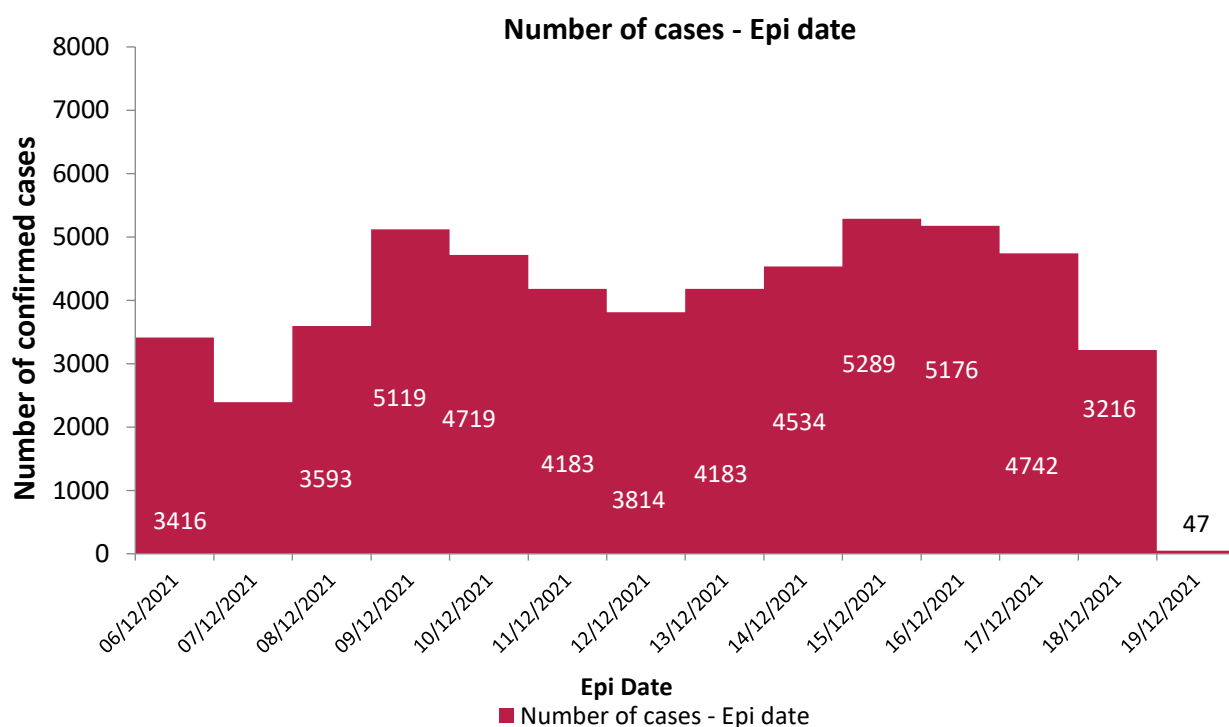


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 06/12/2021 up to midnight on 19/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,317	100
Sex	Male	31,998	49.8
	Female	32,191	50.1
	Unknown	128	0.2
Age	Median age (years)	31	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3295	5.1
	5-12 yrs	10550	16.4
	13-18 yrs	3835	6.0
	19-24 yrs	6543	10.2
	25-34 yrs	12186	18.9
	35-44 yrs	12369	19.2
	45-54 yrs	8089	12.6
	55-64 yrs	4889	7.6
	65-74 yrs	1924	3.0
	75-84 yrs	442	0.7
	85+ yrs	193	0.3
	Unknown	2	
	Total	64,317	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 06/12/2021 up to midnight on 19/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,317	100	
Symptom status at time of test*	Yes	5680	8.8	99.8
	No	10	0.0	0.2
	Unknown	58,627	91.2	
	Total cases where known	5690		
Healthcare worker	Yes	187	0.3	2.8
	No	6553	10.2	97.2
	Unknown	57,577	89.5	
	Total cases where known	6740		

*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.

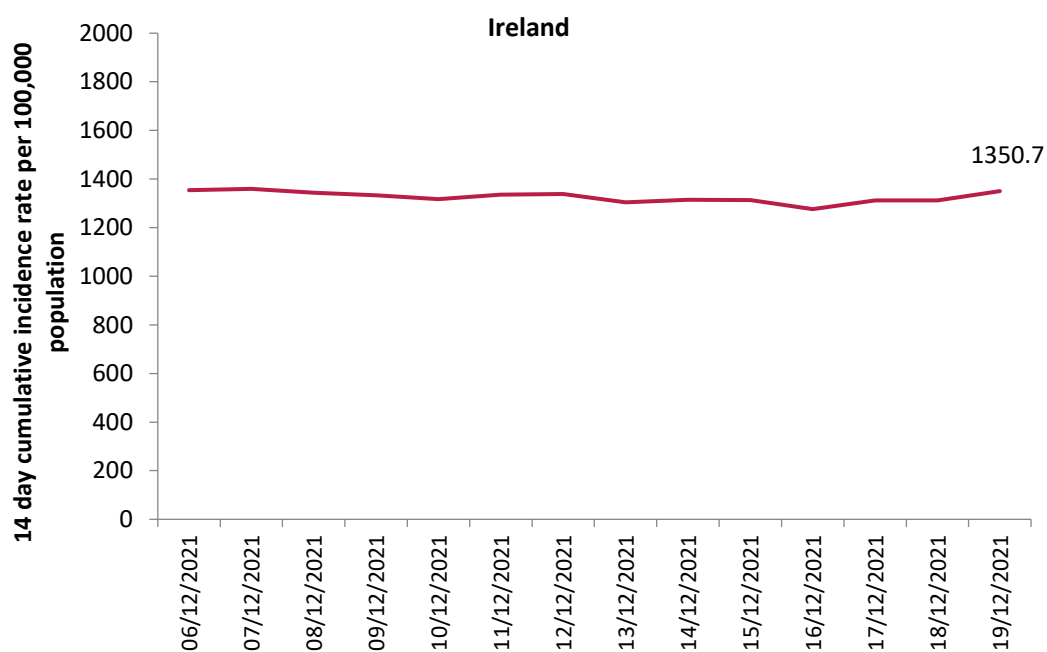


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 06/12/2021 up to midnight on 19/12/2021

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 06/12/2021 up to midnight on 19/12/2021, 7 day numbers are reported from 13/12/2021 up to midnight on 19/12/2021

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 (15/12/2021 - 19/12/2021)
Dublin	12,221	907.0	22718	1686.1	53.79	1794
Louth	1,083	840.3	1998	1550.2	54.20	170
Carlow	423	743.0	847	1487.7	49.94	65
Westmeath	656	739.0	1367	1539.9	47.99	102
Kilkenny	712	717.5	1457	1468.3	48.87	111
Meath	1,375	705.0	2653	1360.2	51.83	210
Kildare	1,557	699.8	3304	1484.9	47.12	230
Cork	3,707	682.9	7566	1393.7	49.00	576
Laois	578	682.4	1242	1466.4	46.54	95
Longford	278	680.2	466	1140.1	59.66	48
Waterford	779	670.5	1573	1354.0	49.52	111
Tipperary	1,020	639.3	2110	1322.4	48.34	155
Leitrim	200	624.1	350	1092.2	57.14	33
Limerick	1,135	582.4	1996	1024.1	56.86	172
Kerry	857	580.2	1648	1115.7	52.00	122
Galway	1,476	572.0	2778	1076.5	53.13	232
Wicklow	811	569.4	1554	1091.1	52.19	120
Monaghan	346	563.6	655	1067.0	52.82	58
Offaly	433	555.4	914	1172.4	47.37	63
Clare	646	543.7	1347	1133.7	47.96	107
Donegal	788	495.0	1552	974.9	50.77	121
Cavan	357	468.7	722	947.8	49.45	58
Wexford	687	458.9	1468	980.5	46.80	96
Roscommon	289	447.8	509	788.6	56.78	44
Sligo	254	387.6	541	825.5	46.95	43
Mayo	463	354.8	982	752.5	47.15	67
Unknown/Other						
Total	33,131	695.8	64317	1350.7	51.51	5003

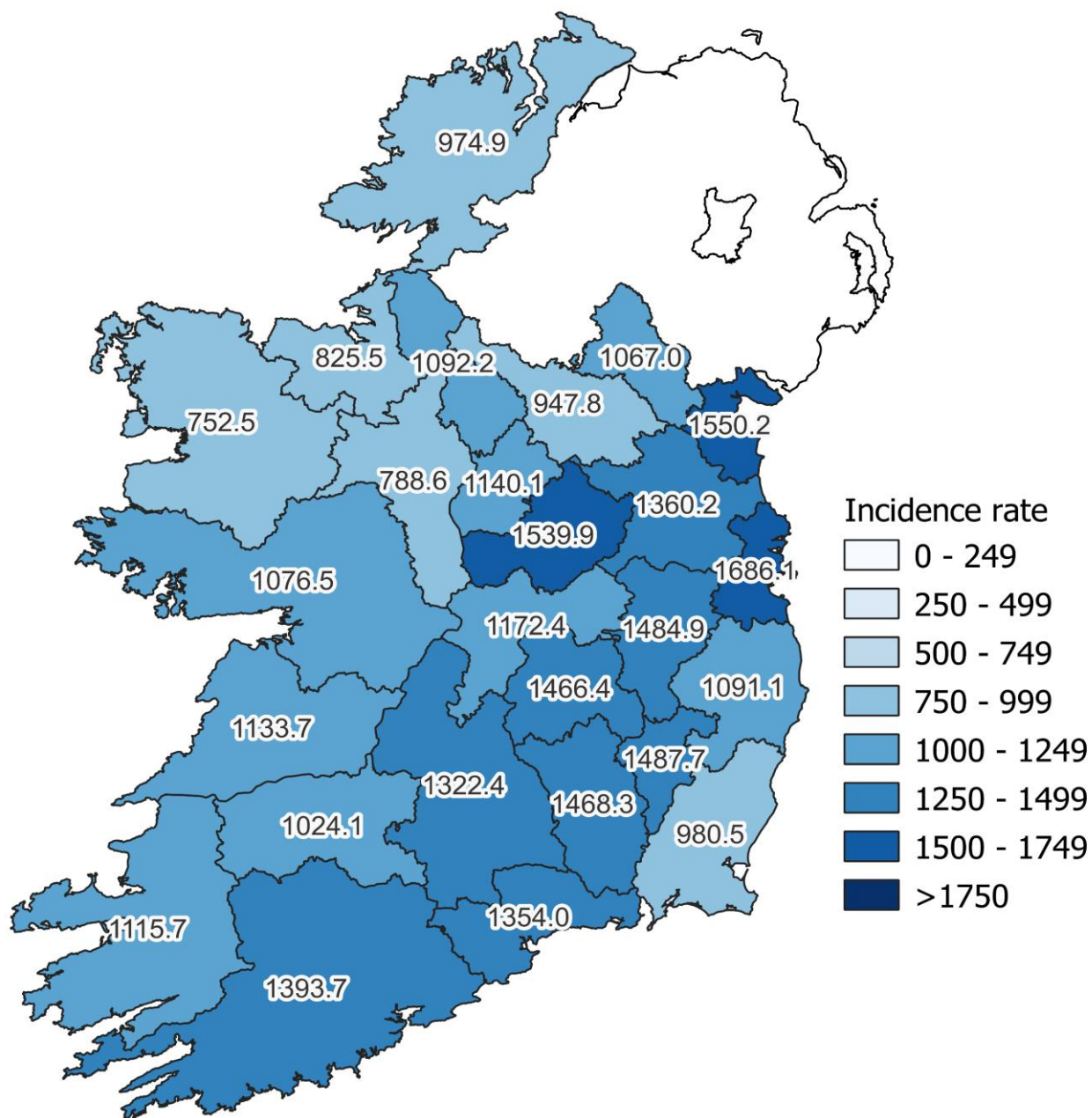


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 06/12/2021 up to midnight on 19/12/2021

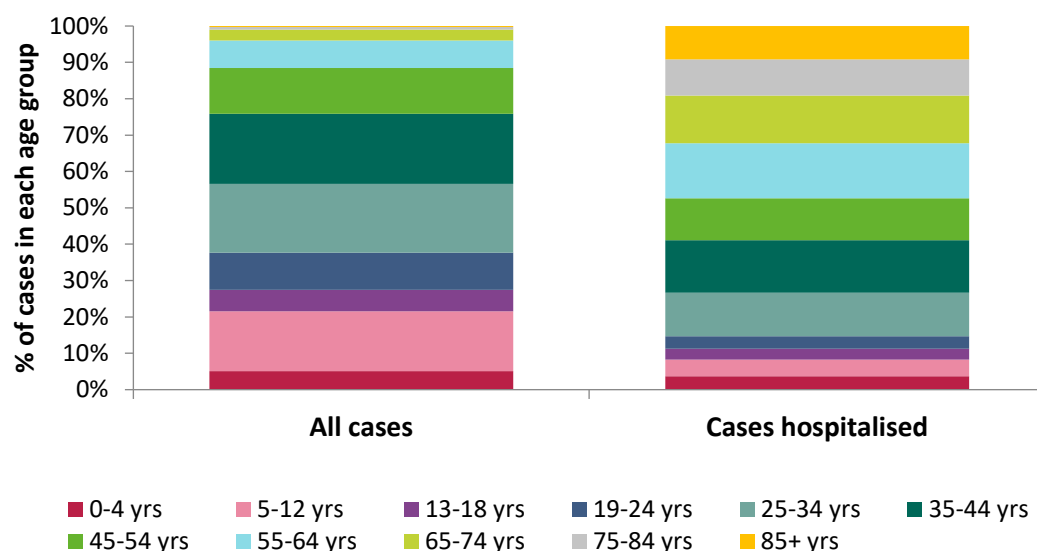


Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 06/12/2021 up to midnight on 19/12/2021, in each age group, all cases, and cases admitted to hospital *

Table 4: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 06/12/2021 up to midnight on 19/12/2021, 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	3295	5.1	20	3.7	<5	-
5-12 yrs	10550	16.4	25	4.6	<5	-
13-18 yrs	3835	6.0	16	2.9	0	0.0
19-24 yrs	6543	10.2	19	3.5	0	0.0
25-34 yrs	12186	18.9	65	12.0	<5	-
35-44 yrs	12369	19.2	78	14.4	<5	-
45-54 yrs	8089	12.6	63	11.6	<5	-
55-64 yrs	4889	7.6	82	15.1	7	28.0
65-74 yrs	1924	3.0	71	13.1	7	28.0
75-84 yrs	442	0.7	54	9.9	0	0.0
85+ yrs	193	0.3	50	9.2	0	0.0
Unknown	2	0.0	0	0.0	0	0.0
Total	64317	100	543	100	25	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 06/12/2021 up to midnight on 19/12/2021

Date	Number of confirmed cases
06/12/2021	5573
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	4135
16/12/2021	3626
17/12/2021	7333
18/12/2021	5124
19/12/2021	4799
Total	64,317

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 (06/12/2021 to 19/12/2021)

