



# Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 22/12/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/12/2021 up to midnight on 21/12/2021

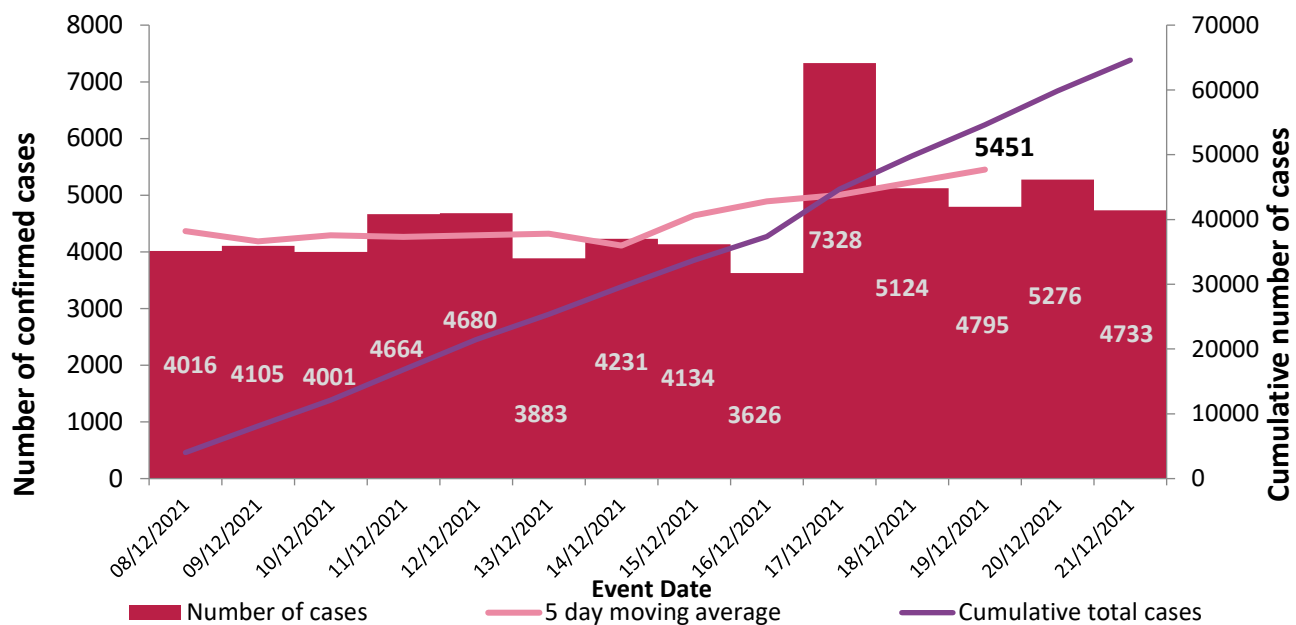
In anticipation of potential processing delays over the Christmas period, from 22/12/2021 the daily case number announced will be based on positive SARS CoV-2 results uploaded to the HSE COVID Care Tracker the preceding day. These data are provisional and do not represent notified cases. HPSC and surveillance partners will continue to notify and process cases and outbreaks of COVID-19 on CIDR over this period and full reporting from CIDR will recommence in the New Year. Data in this report are based on CIDR notifications and therefore will differ from the announced daily case number.

	Number	Percent
Total number of confirmed cases	64,596	
National incidence of confirmed cases per 100,000	1356.5	
Number of cases hospitalised*	526	0.81
Number of cases admitted to ICU*	28	0.04
Number of cases in healthcare workers	259	0.40
% where HCW is known	-	3.4
Number of cases associated with clusters**	632	0.98
Males	32,130	49.7
Females	32,401	50.2
M:F ratio	0.99	
Median age (years)	30	
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 08/12/2021 up to midnight on 21/12/2021. 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.

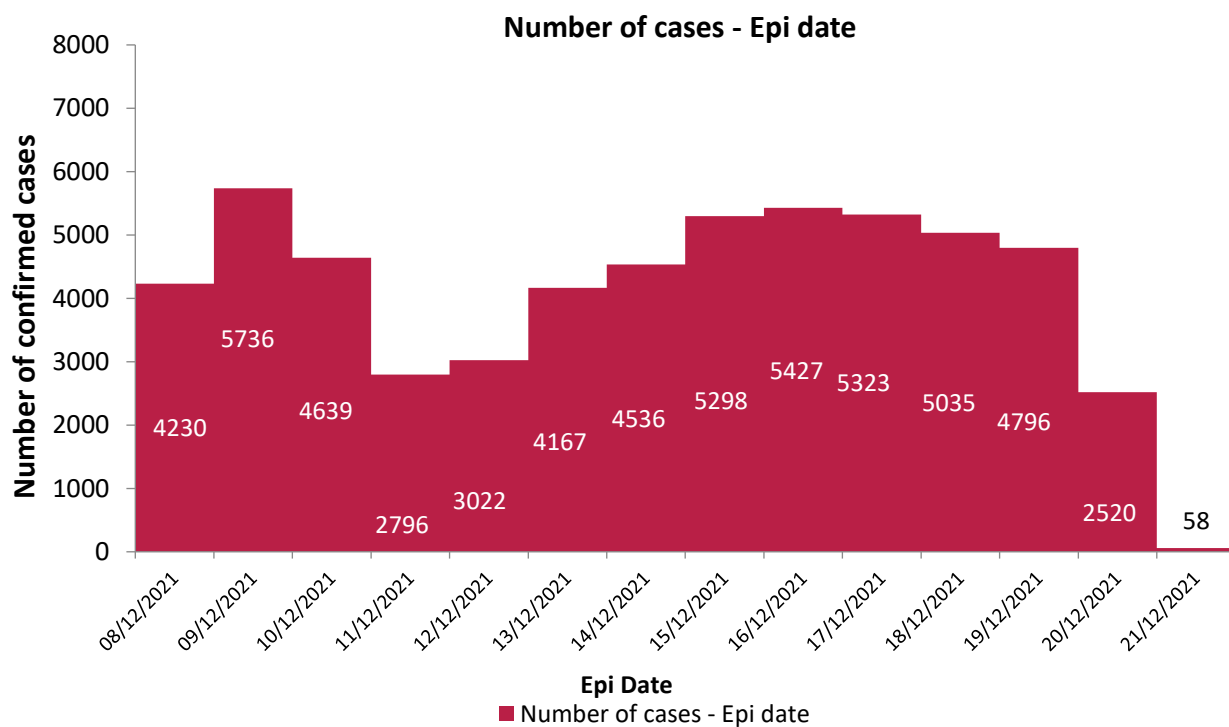
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 22/12/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=64596)**

\*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.

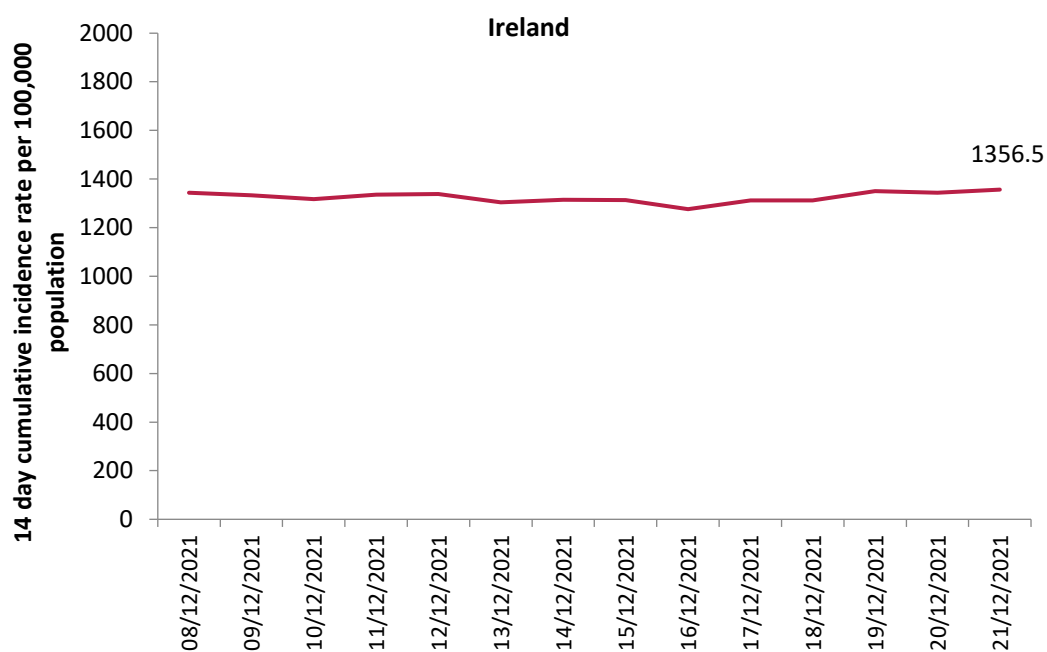
Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 08/12/2021 up to midnight on 21/12/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		64,596	100
Sex	Male	32,130	49.7
	Female	32,401	50.2
	Unknown	65	0.1
Age	Median age (years)	30	
	Mean age (years)	31	
	Age range (years)	0-101	
	0-4 yrs	3201	5.0
	5-12 yrs	9734	15.1
	13-18 yrs	3920	6.1
	19-24 yrs	7171	11.1
	25-34 yrs	13032	20.2
	35-44 yrs	12329	19.1
	45-54 yrs	7897	12.2
	55-64 yrs	4832	7.5
	65-74 yrs	1813	2.8
	75-84 yrs	454	0.7
	85+ yrs	210	0.3
	Unknown	3	
	Total	64,596	

Table 2: Symptom and healthcare worker status of confirmed COVID-19 cases notified in Ireland from 08/12/2021 up to midnight on 21/12/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		64,596	100	
Symptom status at time of test*	Yes	6442	10.0	99.8
	No	12	0.0	0.2
	Unknown	58,142	90.0	
	Total cases where known	6454		
Healthcare worker	Yes	259	0.4	3.4
	No	7295	11.3	96.6
	Unknown	57,042	88.3	
	Total cases where known	7554		

\*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.

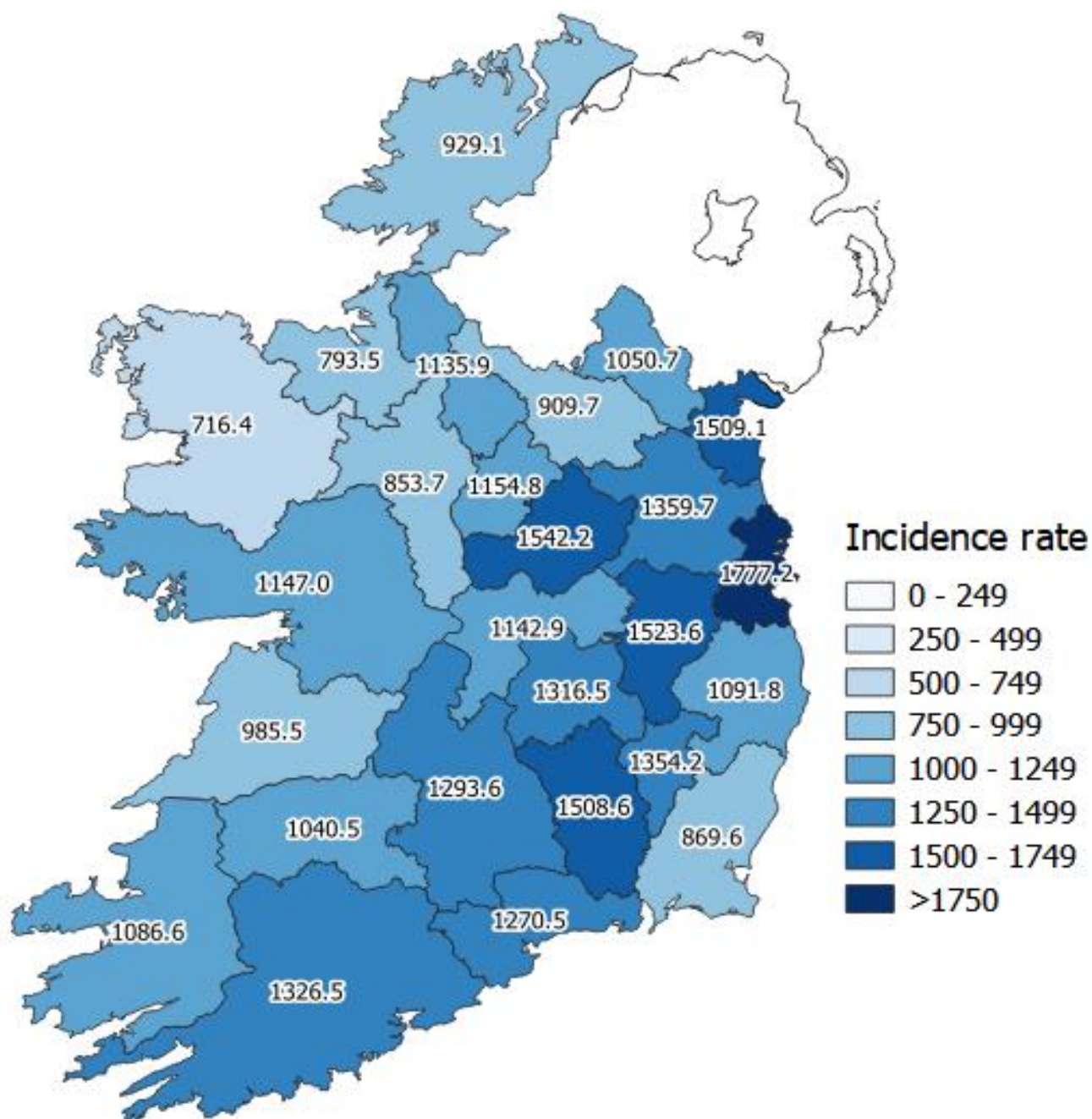


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 08/12/2021 up to midnight on 21/12/2021**

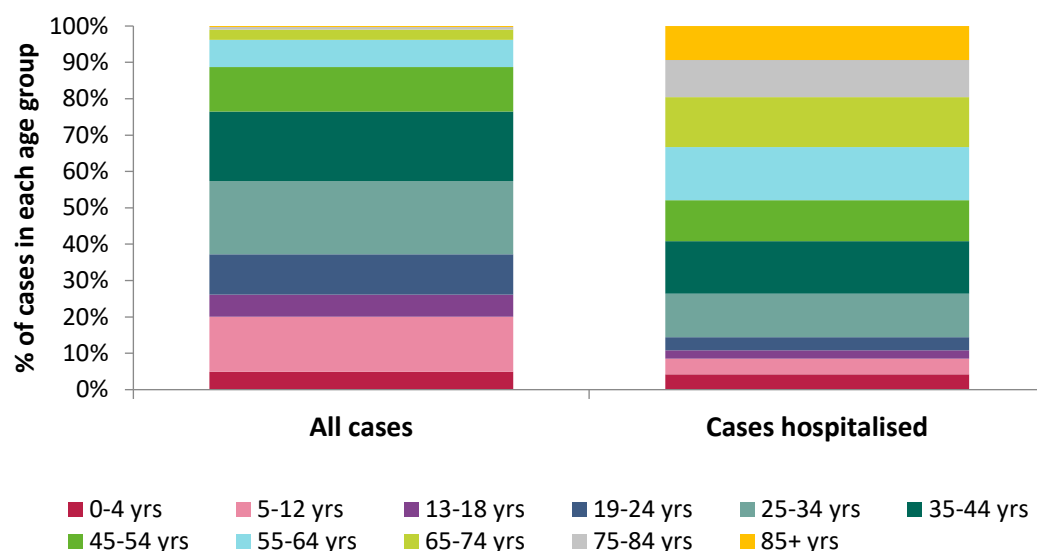
14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 08/12/2021 up to midnight on 21/12/2021, 7 day numbers are reported from 15/12/2021 up to midnight on 21/12/2021**

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 (17/12/2021 - 21/12/2021)
Dublin	13,441	997.6	23945	1777.2	56.13	2165
Louth	1,108	859.7	1945	1509.1	56.97	192
Kilkenny	820	826.3	1497	1508.6	54.78	118
Kildare	1,763	792.3	3390	1523.6	52.01	284
Westmeath	689	776.2	1369	1542.2	50.33	120
Meath	1,478	757.8	2652	1359.7	55.73	210
Carlow	408	716.6	771	1354.2	52.92	62
Longford	291	712.0	472	1154.8	61.65	47
Cork	3,762	693.0	7201	1326.5	52.24	559
Tipperary	1,088	681.9	2064	1293.6	52.71	174
Laois	545	643.5	1115	1316.5	48.88	75
Waterford	742	638.7	1476	1270.5	50.27	104
Galway	1,624	629.3	2960	1147.0	54.86	253
Wicklow	894	627.7	1555	1091.8	57.49	143
Leitrim	200	624.1	364	1135.9	54.95	29
Monaghan	366	596.2	645	1050.7	56.74	54
Limerick	1,159	594.7	2028	1040.5	57.15	177
Offaly	426	546.4	891	1142.9	47.81	66
Cavan	404	530.4	693	909.7	58.30	57
Clare	629	529.4	1171	985.5	53.71	101
Kerry	755	511.1	1605	1086.6	47.04	116
Roscommon	313	484.9	551	853.7	56.81	52
Donegal	735	461.7	1479	929.1	49.70	105
Sligo	287	437.9	520	793.5	55.19	43
Wexford	627	418.8	1302	869.6	48.16	76
Mayo	462	354.0	935	716.4	49.41	67
Unknown/Other						
<b>Total</b>	<b>35,016</b>	<b>735.3</b>	<b>64596</b>	<b>1356.5</b>	<b>54.21</b>	<b>5451</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/12/2021 up to midnight on 21/12/2021**



**Figure 4: Percentage of confirmed cases of COVID-19 notified in Ireland from 08/12/2021 up to midnight on 21/12/2021, 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 08/12/2021 up to midnight on 21/12/2021, 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	3201	5.0	22	4.2	<5	-
5-12 yrs	9734	15.1	23	4.4	0	0.0
13-18 yrs	3920	6.1	12	2.3	0	0.0
19-24 yrs	7171	11.1	19	3.6	<5	-
25-34 yrs	13032	20.2	63	12.0	<5	-
35-44 yrs	12329	19.1	76	14.4	0	0.0
45-54 yrs	7897	12.2	59	11.2	8	28.6
55-64 yrs	4832	7.5	77	14.6	8	28.6
65-74 yrs	1813	2.8	72	13.7	8	28.6
75-84 yrs	454	0.7	54	10.3	<5	-
85+ yrs	210	0.3	49	9.3	0	0.0
Unknown	3	0.0	0	0.0	0	0.0
<b>Total</b>	<b>64596</b>	<b>100</b>	<b>526</b>	<b>100</b>	<b>28</b>	<b>100</b>

\* 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 08/12/2021 up to midnight on 21/12/2021**

Date	Number of confirmed cases
08/12/2021	4016
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	5276
21/12/2021	4733
<b>Total</b>	<b>64,596</b>



## 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  $\geq 85$  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 (08/12/2021 to 21/12/2021)**

