



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

Report prepared by HPSC on 22/11/2021

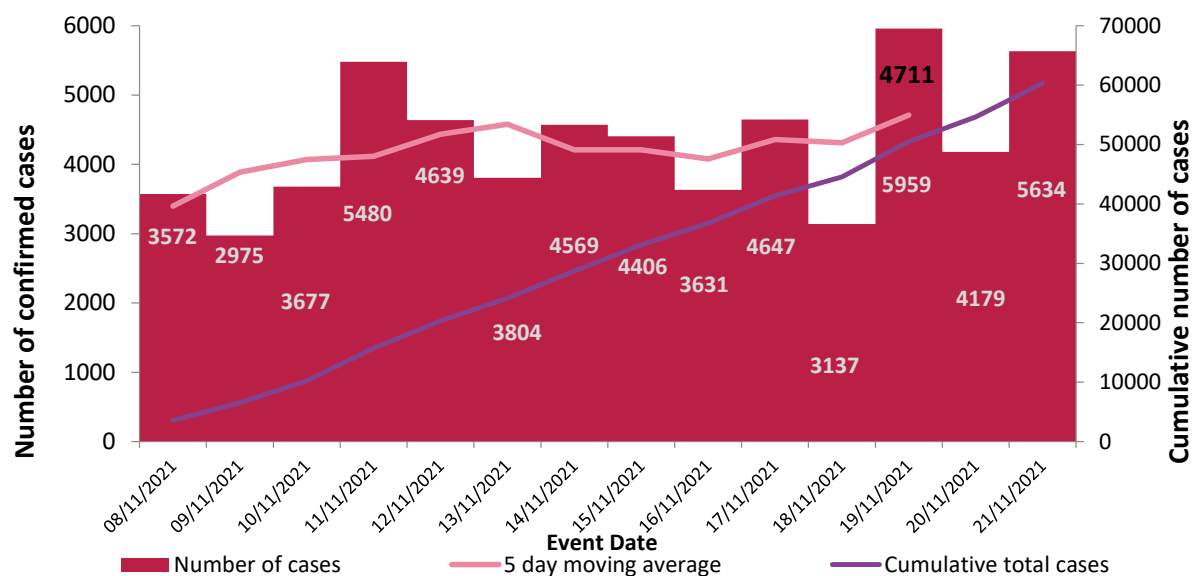
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 08/11/2021 up to midnight on 21/11/2021

	Number	Percent
Total number of confirmed cases	60,309	
National incidence of confirmed cases per 100,000	1266.5	
Number of cases hospitalised*	669	1.11
Number of cases admitted to ICU*	31	0.05
Number of cases in healthcare workers	764	1.27
% where HCW is known	3.5	
Number of cases associated with clusters**	700	1.16
Males	30,068	49.9
Females	30,165	50.0
M:F ratio	1.00	
Median age (years)	33	
Mean age (years)	34	
Age range (years)	0-102	

\* 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 08/11/2021 up to midnight on 21/11/2021. 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.

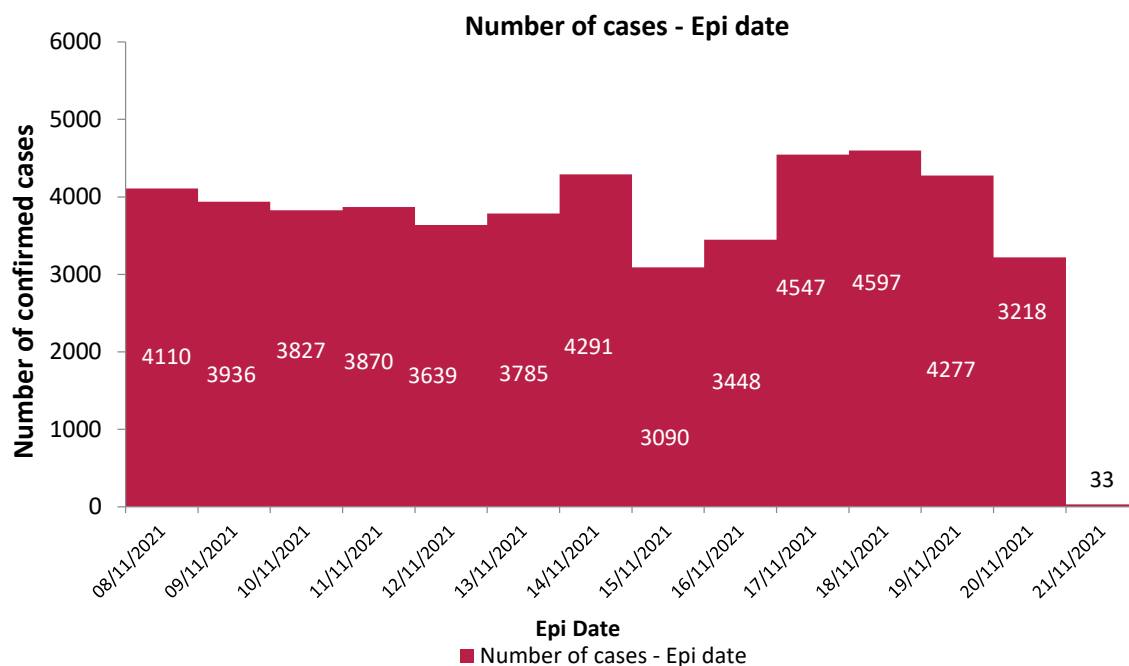
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 22/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=60309)**

\*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.

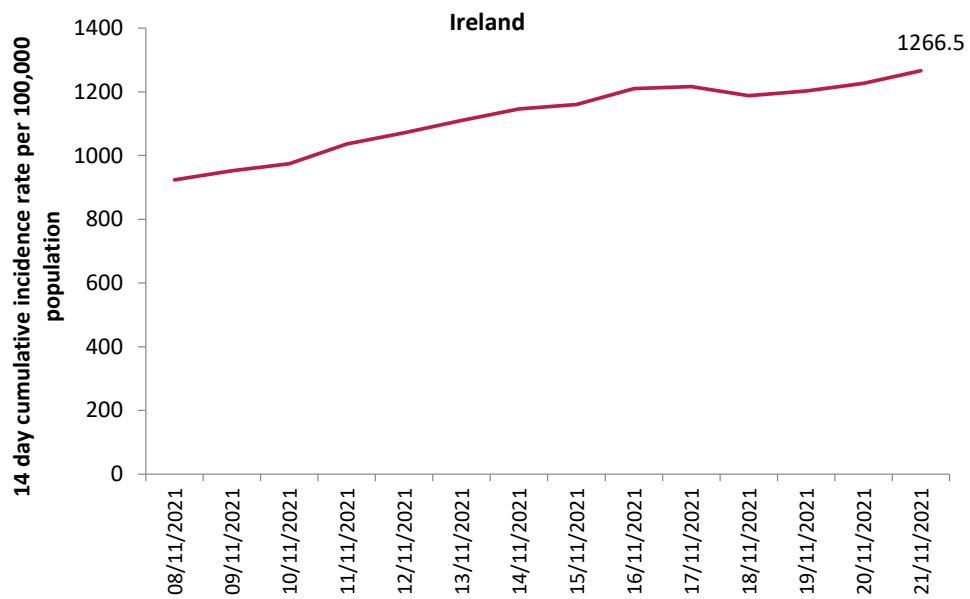
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 08/11/2021 up to midnight on 21/11/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		60,309	<b>100</b>
<b>Sex</b>	Male	30,068	49.9
	Female	30,165	50.0
	Unknown	76	0.1
<b>Age</b>	Median age (years)	33	
	Mean age (years)	34	
	Age range (years)	0-102	
	0-4 yrs	2916	4.8
	5-12 yrs	10053	16.7
	13-18 yrs	3439	5.7
	19-24 yrs	5776	9.6
	25-34 yrs	8944	14.8
	35-44 yrs	10630	17.6
	45-54 yrs	7901	13.1
	55-64 yrs	5669	9.4
	65-74 yrs	3596	6.0
	75-84 yrs	1150	1.9
	85+ yrs	234	0.4
	Unknown	1	
	Total	60,309	

**Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 08/11/2021 up to midnight on 21/11/2021**

Characteristic		Number of cases	Percent	Percent where known
<b>Total number of confirmed cases</b>		60,309	<b>100</b>	
<b>Symptom status at time of test*</b>	Yes	18737	31.1	96.1
	No	763	1.3	3.9
	Unknown	40,809	67.7	
	Total cases where known	19500		
<b>Healthcare worker</b>	Yes	764	1.3	3.5
	No	20840	34.6	96.5
	Unknown	38,705	64.2	
	Total cases where known	21604		

\*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.

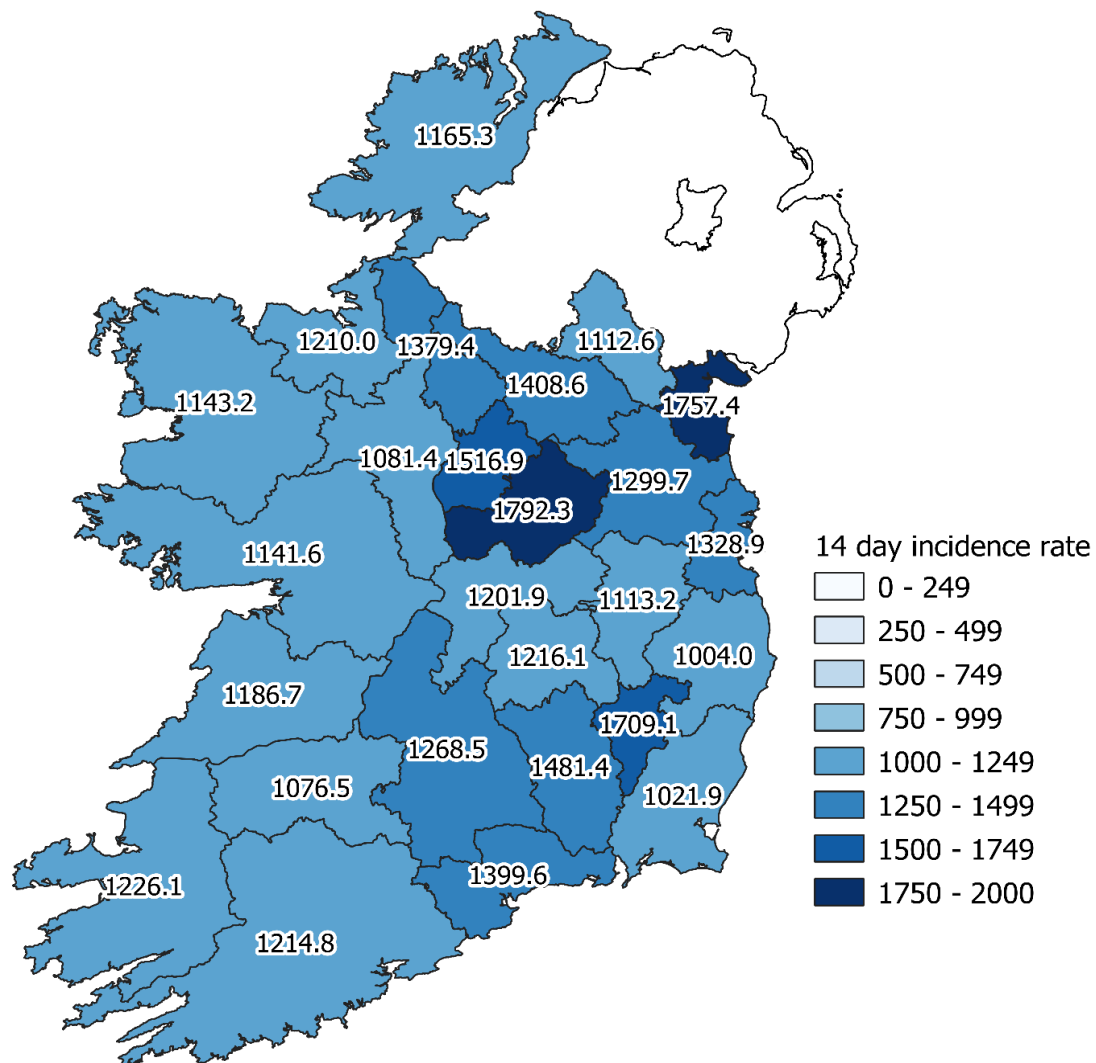


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 08/11/2021 up to midnight on 21/11/2021**

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 08/11/2021 up to midnight on 21/11/2021, 7 day numbers are reported from 15/11/2021 up to midnight on 21/11/2021**

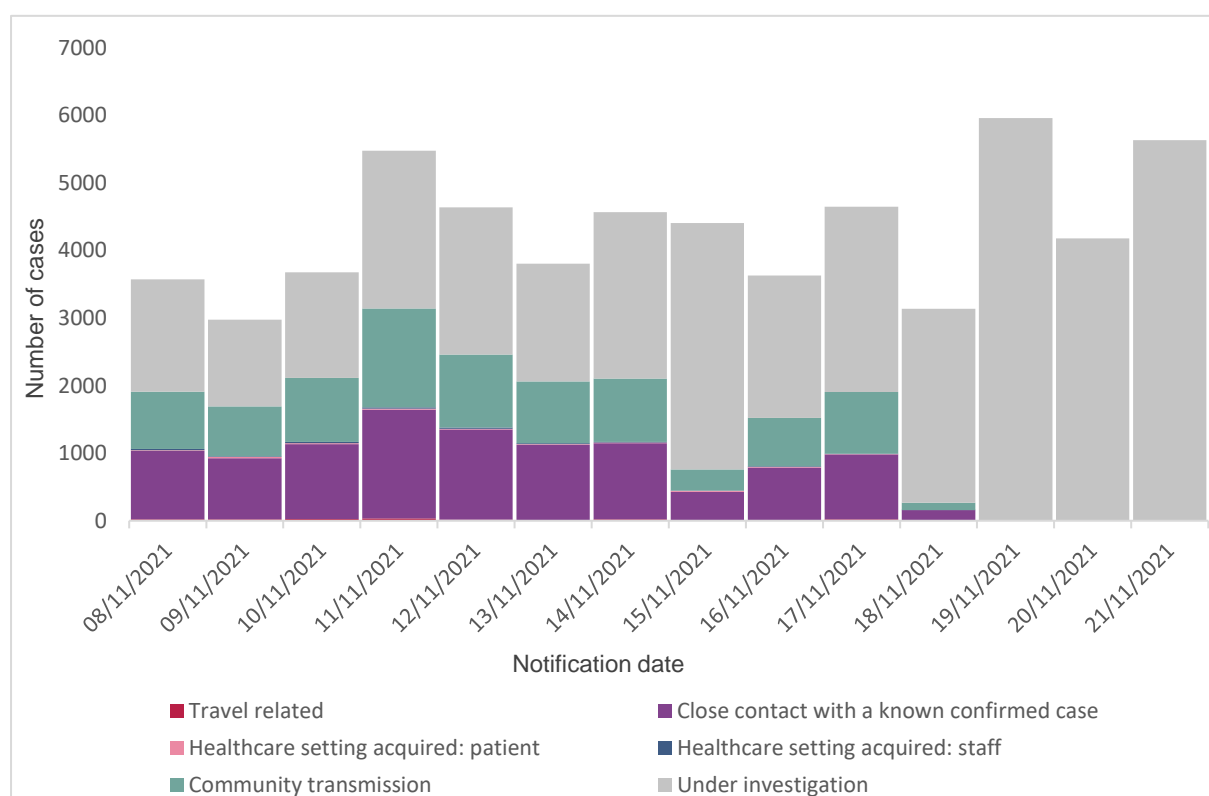
County	Number of confirmed cases in last 7 days	7-day Incidence per 100,000 population	Number of confirmed cases in last 14 days	14-day Incidence per 100,000 population	7 day incidence rate as a percentage of 14 day rate	5 day moving average of confirmed cases (17/11/2021 - 21/11/2021)
Westmeath	870	980.1	1591	1792.3	54.68	131
Carlow	503	883.5	973	1709.1	51.70	75
Longford	352	861.2	620	1516.9	56.77	59
Louth	1,064	825.5	2265	1757.4	46.98	172
Kilkenny	782	788.1	1470	1481.4	53.20	125
Cavan	564	740.4	1073	1408.6	52.56	86
Tipperary	1,158	725.8	2024	1268.5	57.21	172
Waterford	843	725.6	1626	1399.6	51.85	140
Dublin	9,662	717.1	17905	1328.9	53.96	1411
Monaghan	430	700.5	683	1112.6	62.96	68
Offaly	528	677.3	937	1201.9	56.35	72
Roscommon	416	644.5	698	1081.4	59.60	61
Kerry	951	643.8	1811	1226.1	52.51	145
Leitrim	204	636.6	442	1379.4	46.15	28
Donegal	995	625.0	1855	1165.3	53.64	154
Clare	740	622.8	1410	1186.7	52.48	109
Meath	1,208	619.3	2535	1299.7	47.65	174
Mayo	804	616.1	1492	1143.2	53.89	128
Laois	507	598.6	1030	1216.1	49.22	79
Cork	3,228	594.6	6595	1214.8	48.95	478
Sligo	378	576.8	793	1210.0	47.67	45
Galway	1,483	574.7	2946	1141.6	50.34	231
Kildare	1,277	573.9	2477	1113.2	51.55	177
Limerick	1,099	563.9	2098	1076.5	52.38	156
Wexford	837	559.0	1530	1021.9	54.71	137
Wicklow	710	498.5	1430	1004.0	49.65	98
Unknown/Other						
<b>Total</b>	<b>31,593</b>	<b>663.5</b>	<b>60309</b>	<b>1266.5</b>	<b>52.39</b>	<b>4711</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 08/11/2021 up to midnight on 21/11/2021**

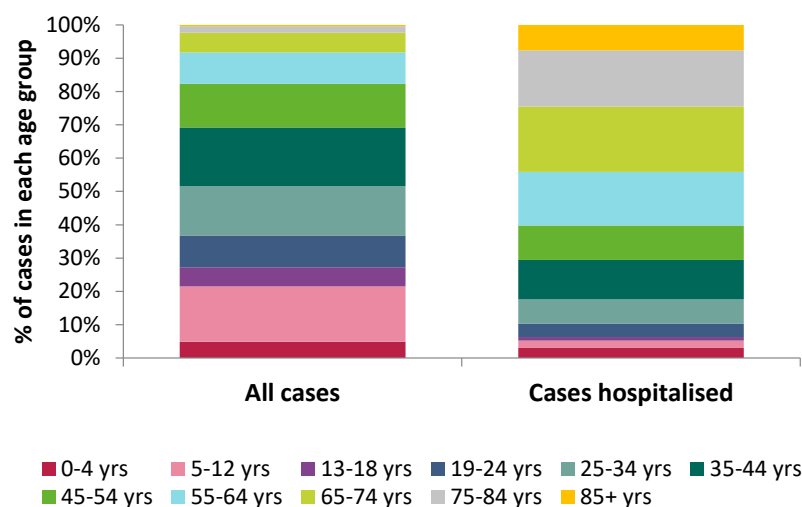
**Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 08/11/2021 up to midnight on 21/11/2021, by age group, hospitalisation and ICU admission\***

Most likely transmission source	Number of cases	Percent
Travel related*	183	0.3
Close contact with a known confirmed case	10541	17.5
Healthcare setting acquired: patient	117	0.2
Healthcare setting acquired: staff	116	0.2
Community transmission	8990	14.9
Under investigation	40,362	66.9
Total cases with known most likely transmission source	19947	
<b>Total</b>	<b>60,309</b>	



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 08/11/2021 up to midnight on 21/11/2021**

\*Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases



**Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 08/11/2021 up to midnight on 21/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU\***

**Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 08/11/2021 up to midnight on 21/11/2021, 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	2916	4.8	20	3.0	<5	-
5-12 yrs	10053	16.7	15	2.2	<5	-
13-18 yrs	3439	5.7	7	1.0	<5	-
19-24 yrs	5776	9.6	27	4.0	<5	-
25-34 yrs	8944	14.8	49	7.3	<5	-
35-44 yrs	10630	17.6	79	11.8	<5	-
45-54 yrs	7901	13.1	69	10.3	<5	-
55-64 yrs	5669	9.4	108	16.1	6	19.4
65-74 yrs	3596	6.0	131	19.6	8	25.8
75-84 yrs	1150	1.9	113	16.9	<5	-
85+ yrs	234	0.4	51	7.6	0	0.0
Unknown	1	0.0	0	0.0	0	0.0
<b>Total</b>	<b>60309</b>	<b>100</b>	<b>669</b>	<b>100</b>	<b>31</b>	<b>100</b>

\* 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 6: Daily number of confirmed COVID-19 cases notified in Ireland from 08/11/2021 up to midnight on 21/11/2021**

Date	Number of confirmed cases
08/11/2021	3572
09/11/2021	2975
10/11/2021	3677
11/11/2021	5480
12/11/2021	4639
13/11/2021	3804
14/11/2021	4569
15/11/2021	4406
16/11/2021	3631
17/11/2021	4647
18/11/2021	3137
19/11/2021	5959
20/11/2021	4179
21/11/2021	5634
<b>Total</b>	<b>60,309</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 (08/11/2021 to 21/11/2021)**

