



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

Report prepared by HPSC on 03/11/2021

A technical issue impacted processing on CIDR on 02/11/2021 resulting in an artificially low number of notifications reported on CIDR on the 2/11/2021. The technical issue has now been resolved and cases will be processed and reflected in CIDR notifications in the coming days. Given the impact on CIDR notifications, the daily case number of 3174 announced on the 3/11/2021 was based on SARS CoV-2 results uploaded to the COVID Care Tracker on 2/11/2021.

Data in this report are based on CIDR notifications.

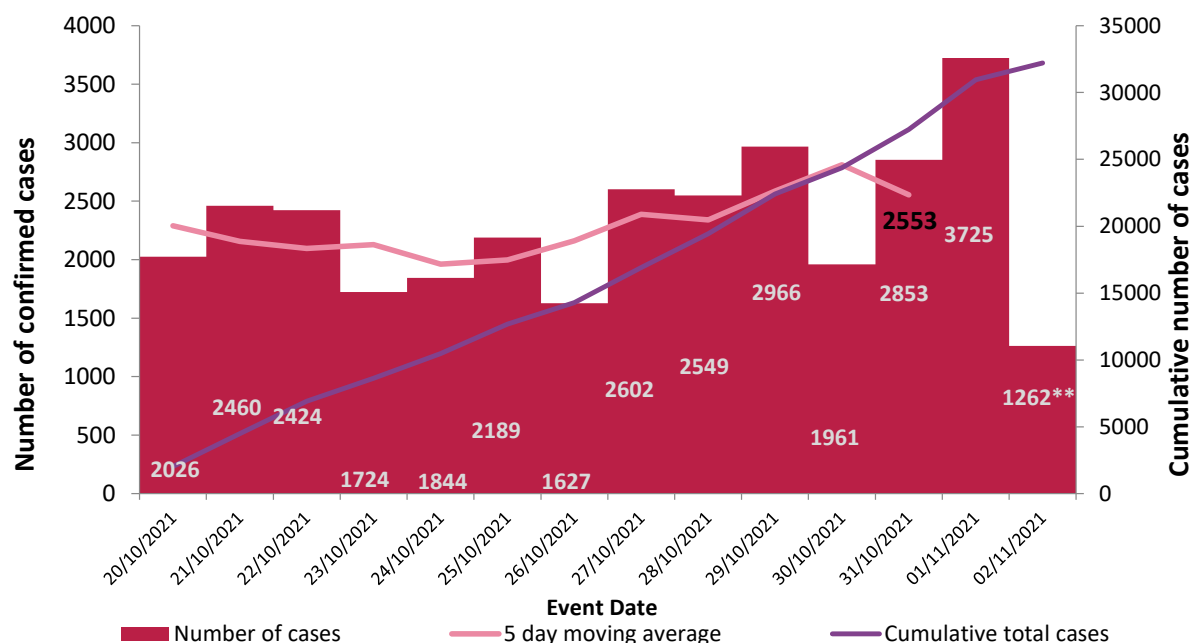
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 20/10/2021 up to midnight on 02/11/2021

	Number	Percent
Total number of confirmed cases	32,212	
National incidence of confirmed cases per 100,000	676.5	
Number of cases hospitalised*	486	1.51
Number of cases admitted to ICU*	28	0.09
Number of cases in healthcare workers	892	2.77
% where HCW is known	4.8	
Number of cases associated with clusters**	801	2.49
Males	15,893	49.3
Females	16,277	50.5
M:F ratio	0.98	
Median age (years)	36	
Mean age (years)	36	
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 20/10/2021 up to midnight on 02/11/2021

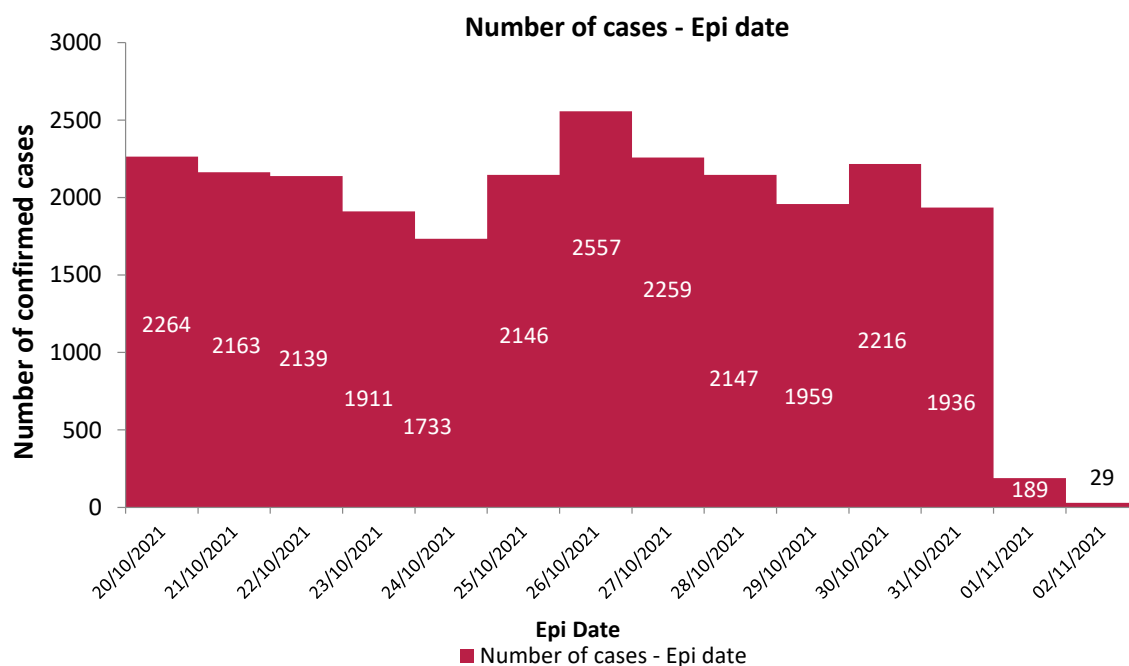
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 03/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=32212)**

\*Notifications of COVID-19 cases on CIDR may not correspond to the date of laboratory diagnosis. Notifications may be reduced at weekends. Cases diagnosed at weekends may be reflected in notifications early the following week

**\*\* A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications.**



**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.

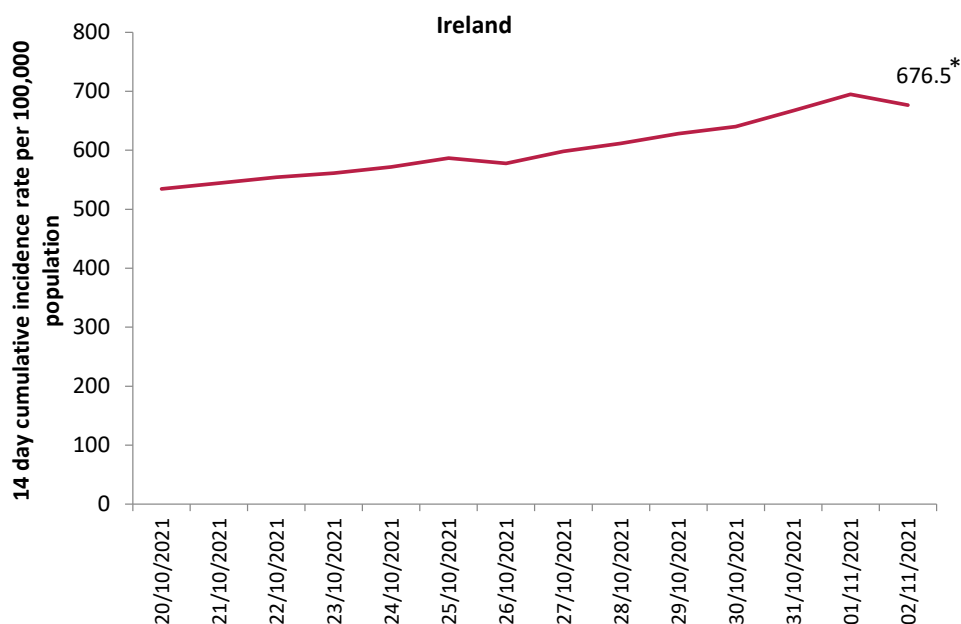
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 20/10/2021 up to midnight on 02/11/2021**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		32,212	100
<b>Sex</b>	Male	15,893	49.3
	Female	16,277	50.5
	Unknown	42	0.1
<b>Age</b>	Median age (years)	36	
	Mean age (years)	36	
	Age range (years)	0-101	
	0-4 yrs	1420	4.4
	5-12 yrs	4874	15.1
	13-18 yrs	1650	5.1
	19-24 yrs	2787	8.7
	25-34 yrs	4568	14.2
	35-44 yrs	5713	17.7
	45-54 yrs	4268	13.2
	55-64 yrs	3332	10.3
	65-74 yrs	2452	7.6
	75-84 yrs	901	2.8
	85+ yrs	245	0.8
	Unknown	2	
	Total	32,212	

**Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 20/10/2021 up to midnight on 02/11/2021**

Characteristic		Number of cases	Percent	Percent where known
<b>Total number of confirmed cases</b>		32,212	100	
<b>Symptom status at time of test*</b>	Yes	15926	49.4	86.2
	No	2558	7.9	13.8
	Unknown	13,728	42.6	
	Total cases where known	18484		
<b>Healthcare worker</b>	Yes	892	2.8	4.8
	No	17723	55.0	95.2
	Unknown	13,597	42.2	
	Total cases where known	18615		

\*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.



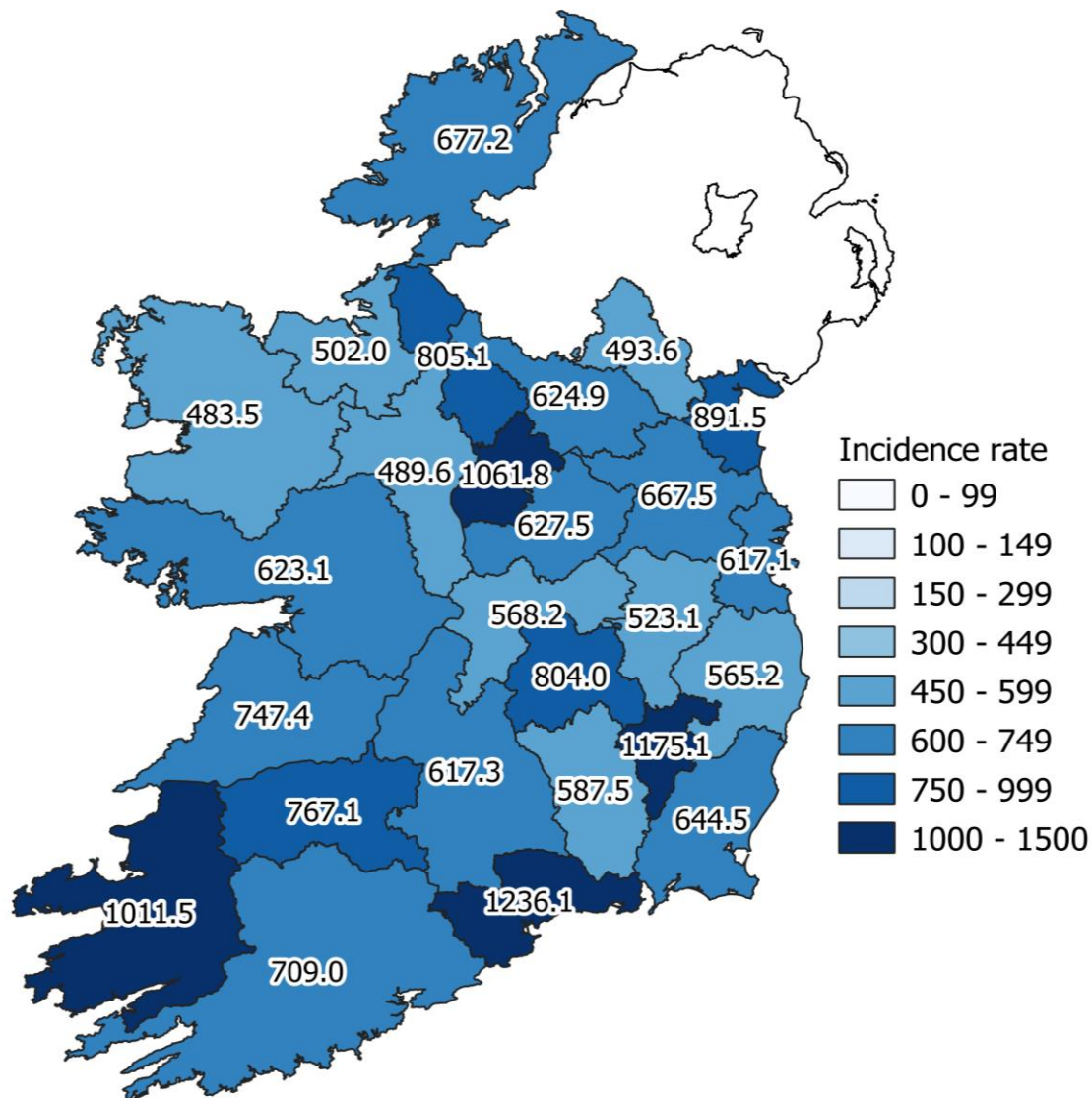
**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 20/10/2021 up to midnight on 02/11/2021**

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

\* A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications.

**Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 20/10/2021 up to midnight on 02/11/2021, 7 day numbers are reported from 27/10/2021 up to midnight on 02/11/2021**

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 (29/10/2021 - 02/11/2021)
Waterford	748	643.9	1436	1236.1	52.09	114
Carlow	335	588.4	669	1175.1	50.07	46
Kerry	733	496.3	1494	1011.5	49.06	107
Louth	639	495.8	1149	891.5	55.61	102
Longford	202	494.2	434	1061.8	46.54	24
Leitrim	157	490.0	258	805.1	60.85	18
Laois	382	451.0	681	804.0	56.09	54
Cork	2,284	420.7	3849	709.0	59.34	356
Limerick	819	420.2	1495	767.1	54.78	112
Clare	471	396.4	888	747.4	53.04	65
Meath	758	388.6	1302	667.5	58.22	103
Wexford	570	380.7	965	644.5	59.07	92
Donegal	605	380.0	1078	677.2	56.12	84
Tipperary	594	372.3	985	617.3	60.30	89
Westmeath	317	357.1	557	627.5	56.91	45
Dublin	4,664	346.2	8314	617.1	56.10	615
Galway	891	345.3	1608	623.1	55.41	132
Cavan	252	330.8	476	624.9	52.94	36
Kilkenny	315	317.4	583	587.5	54.03	46
Wicklow	452	317.4	805	565.2	56.15	65
Mayo	377	288.9	631	483.5	59.75	60
Offaly	222	284.8	443	568.2	50.11	33
Sligo	184	280.8	329	502.0	55.93	25
Kildare	613	275.5	1164	523.1	52.66	80
Roscommon	174	269.6	316	489.6	55.06	25
Monaghan	160	260.6	303	493.6	52.81	22
Unknown/Other						
<b>Total</b>	<b>17,918</b>	<b>376.3</b>	<b>32,212</b>	<b>676.5</b>	<b>55.63</b>	<b>2553</b>

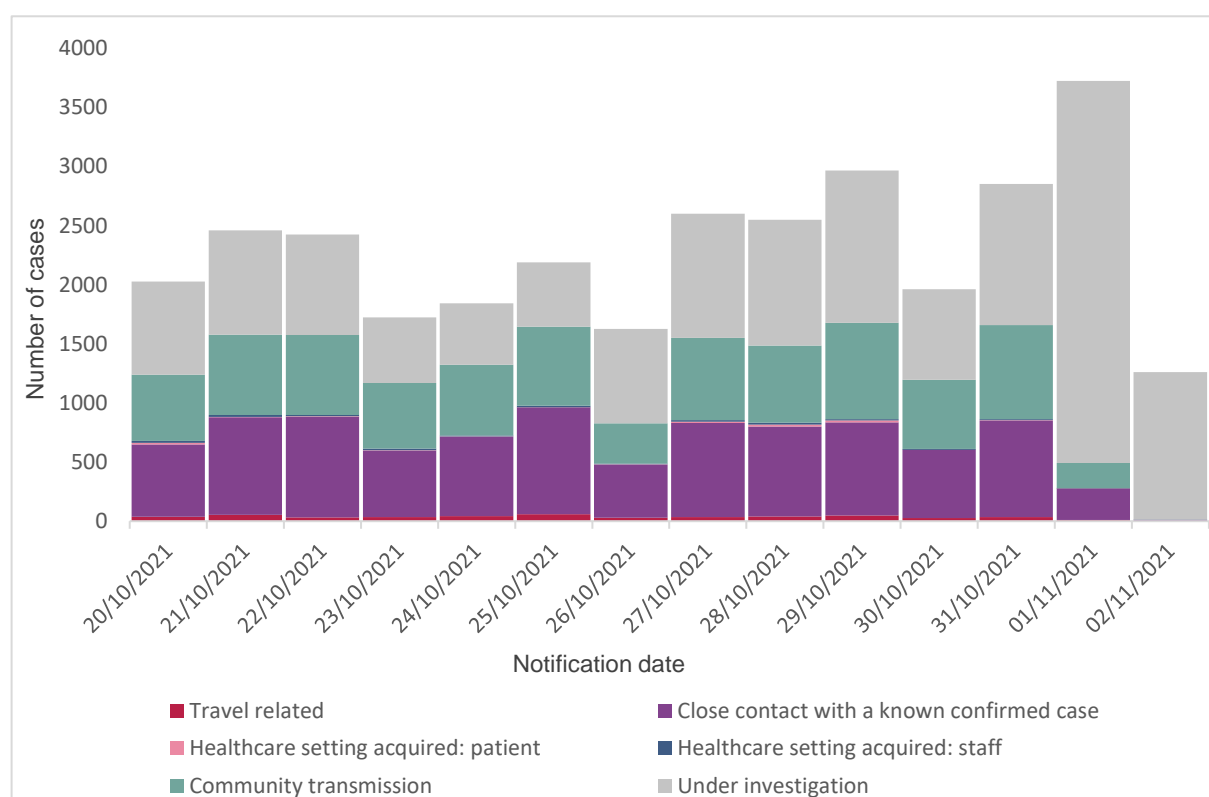


**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 20/10/2021 up to midnight on 02/11/2021**

*Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.*

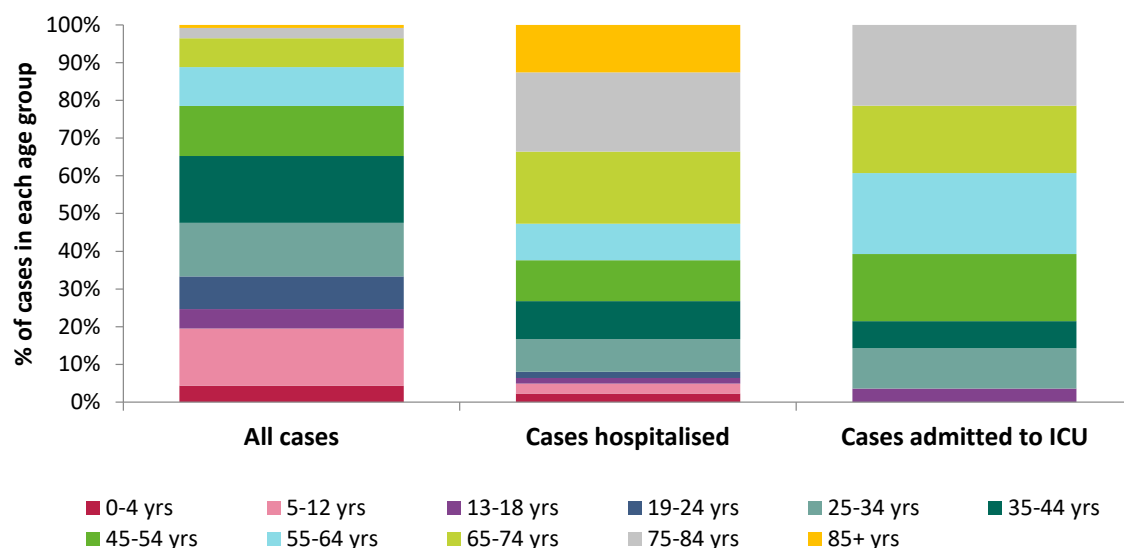
**Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 20/10/2021 up to midnight on 02/11/2021, by age group, hospitalisation and ICU admission\***

Most likely transmission source	Number of cases	Percent
Travel related*	481	1.5
Close contact with a known confirmed case	8893	27.6
Healthcare setting acquired: patient	84	0.3
Healthcare setting acquired: staff	136	0.4
Community transmission	7842	24.3
Under investigation	14,776	45.9
Total cases with known most likely transmission source	17436	
<b>Total</b>	<b>32,212</b>	



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 20/10/2021 up to midnight on 02/11/2021**

\*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 20/10/2021 up to midnight on 02/11/2021, 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 20/10/2021 up to midnight on 02/11/2021, 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	1420	4.4	11	2.3	<5	-
5-12 yrs	4874	15.1	13	2.7	<5	-
13-18 yrs	1650	5.1	7	1.4	<5	-
19-24 yrs	2787	8.7	8	1.6	<5	-
25-34 yrs	4568	14.2	42	8.6	<5	-
35-44 yrs	5713	17.7	49	10.1	<5	-
45-54 yrs	4268	13.2	53	10.9	5	17.9
55-64 yrs	3332	10.3	47	9.7	6	21.4
65-74 yrs	2452	7.6	93	19.1	5	17.9
75-84 yrs	901	2.8	102	21.0	6	21.4
85+ yrs	245	0.8	61	12.6	<5	-
Unknown	2	0.0	0	0.0	0	0.0
<b>Total</b>	<b>32212</b>	<b>100</b>	<b>486</b>	<b>100</b>	<b>28</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 20/10/2021 up to midnight on 02/11/2021**

Date	Number of confirmed cases
20/10/2021	2026
21/10/2021	2460
22/10/2021	2424
23/10/2021	1724
24/10/2021	1844
25/10/2021	2189
26/10/2021	1627
27/10/2021	2602
28/10/2021	2549
29/10/2021	2966
30/10/2021	1961
31/10/2021	2853
01/11/2021	3725
02/11/2021	1262 *
<b>Total</b>	<b>32,212</b>

\* A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications.

## **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 (20/10/2021 to 02/11/2021)**

