



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

Report prepared by HPSC on 12/11/2021

**A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications reported on CIDR on the 2/11/2021 and an artificially high number on subsequent days. Given the impact on CIDR notifications for these days, the daily case number announced since the 3/11/2021 has been based on SARS CoV-2 results uploaded to the COVID Care Tracker the preceding day. These data were provisional and do not represent notified cases. Reporting of daily case numbers from CIDR resumed the 9/11/2021. Data in this report are based on CIDR notifications.**

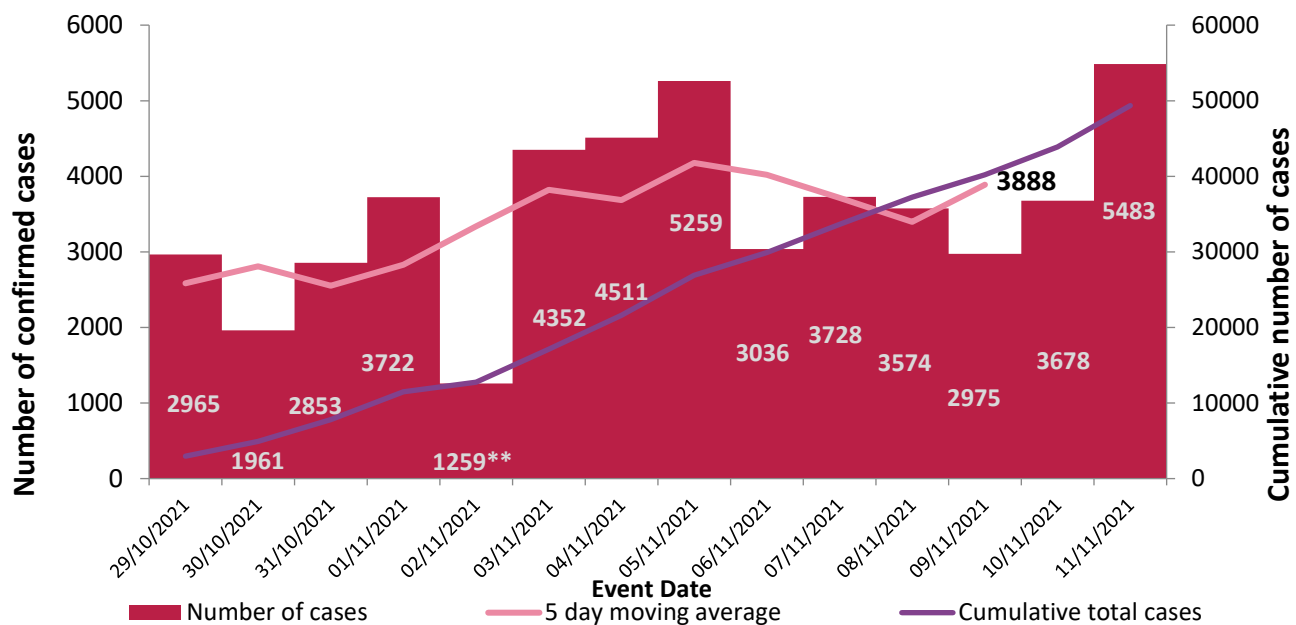
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 29/10/2021 up to midnight on 11/11/2021

	Number	Percent
Total number of confirmed cases	49,356	
National incidence of confirmed cases per 100,000	1036.5	
Number of cases hospitalised*	640	1.30
Number of cases admitted to ICU*	41	0.08
Number of cases in healthcare workers	1045	2.12
% where HCW is known	4.1	
Number of cases associated with clusters**	737	1.49
Males	24,254	49.1
Females	25,026	50.7
M:F ratio	0.97	
Median age (years)	34	
Mean age (years)	35	
Age range (years)	0-100	

\* 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.

\*\*Cases may be associated with outbreaks notified outside the timeframe of this report from 29/10/2021 up to midnight on 11/11/2021

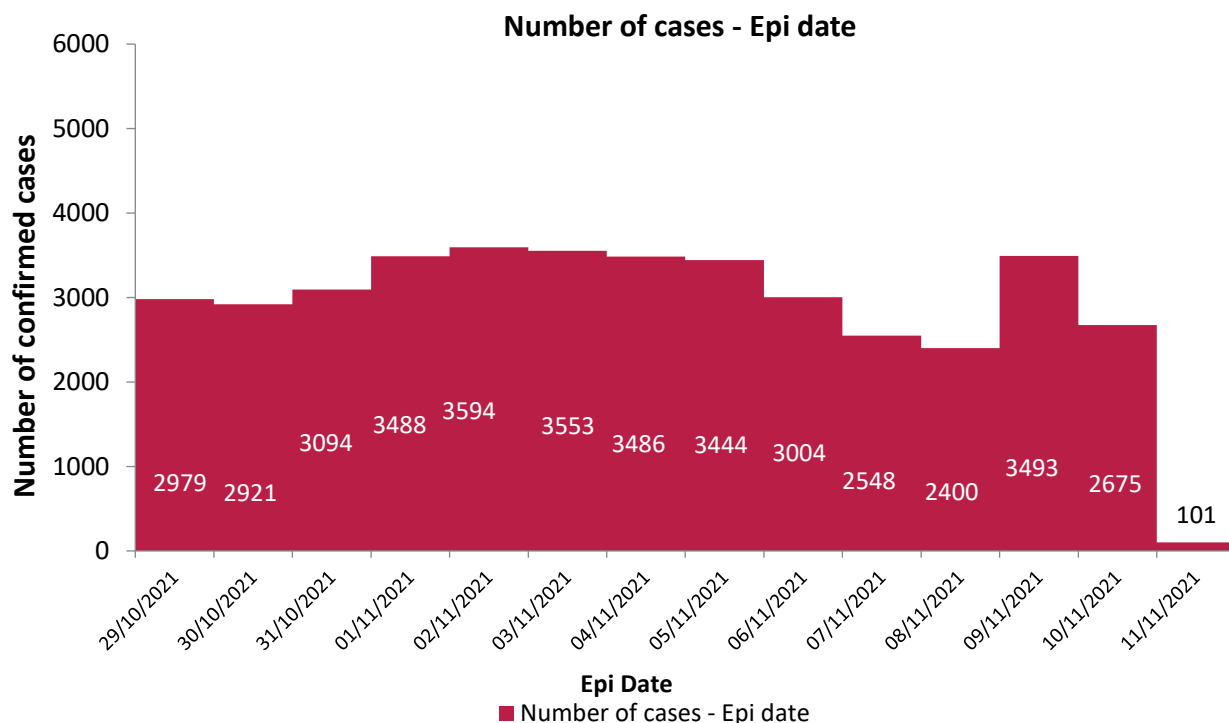
**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 12/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.**



**Figure 1a. Daily number\* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=49356)**

\*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 on the 2/11/2021 and an artificially high number on subsequent days**



**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.

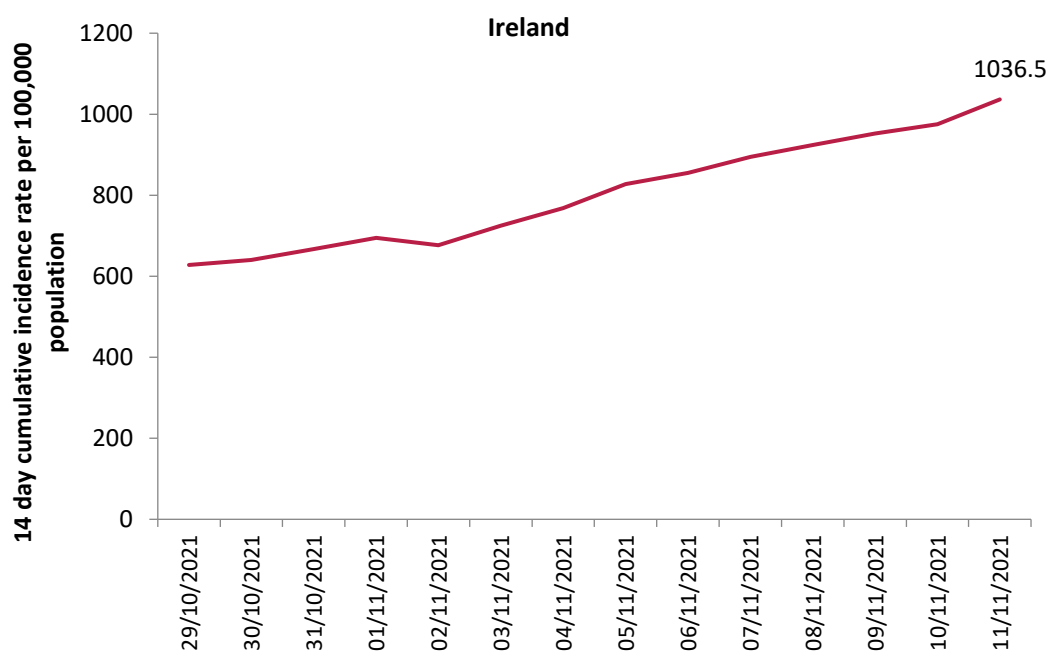
**Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 29/10/2021 up to midnight on 11/11/2021**

Characteristic		Number of cases	Percent
Total number of confirmed cases		49,356	100
Sex	Male	24,254	49.1
	Female	25,026	50.7
	Unknown	76	0.2
Age	Median age (years)	34	
	Mean age (years)	35	
	Age range (years)	0-100	
	0-4 yrs	2092	4.2
	5-12 yrs	6966	14.1
	13-18 yrs	3015	6.1
	19-24 yrs	5417	11.0
	25-34 yrs	7520	15.2
	35-44 yrs	8476	17.2
	45-54 yrs	6460	13.1
	55-64 yrs	4868	9.9
	65-74 yrs	3246	6.6
	75-84 yrs	1070	2.2
	85+ yrs	225	0.5
	Unknown	1	
	Total	49,356	

**Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 29/10/2021 up to midnight on 11/11/2021**

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		49,356	100	
Symptom status at time of test*	Yes	22078	44.7	87.0
	No	3309	6.7	13.0
	Unknown	23,969	48.6	
	Total cases where known	25387		
Healthcare worker	Yes	1045	2.1	4.1
	No	24428	49.5	95.9
	Unknown	23,883	48.4	
	Total cases where known	25473		

\*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.

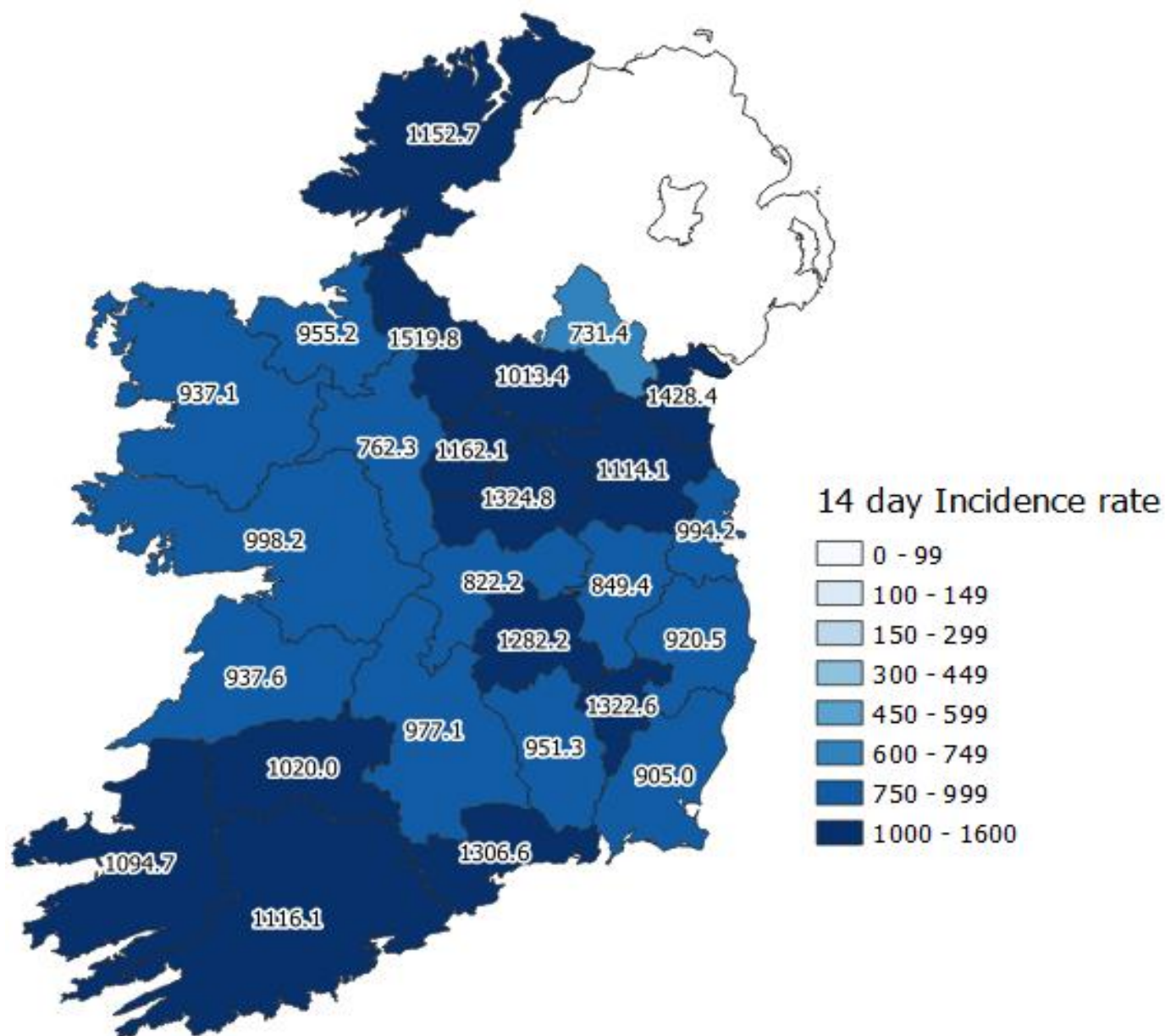


**Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 29/10/2021 up to midnight on 11/11/2021**

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 29/10/2021 up to midnight on 11/11/2021, 7 day numbers are reported from 05/11/2021 up to midnight on 11/11/2021**

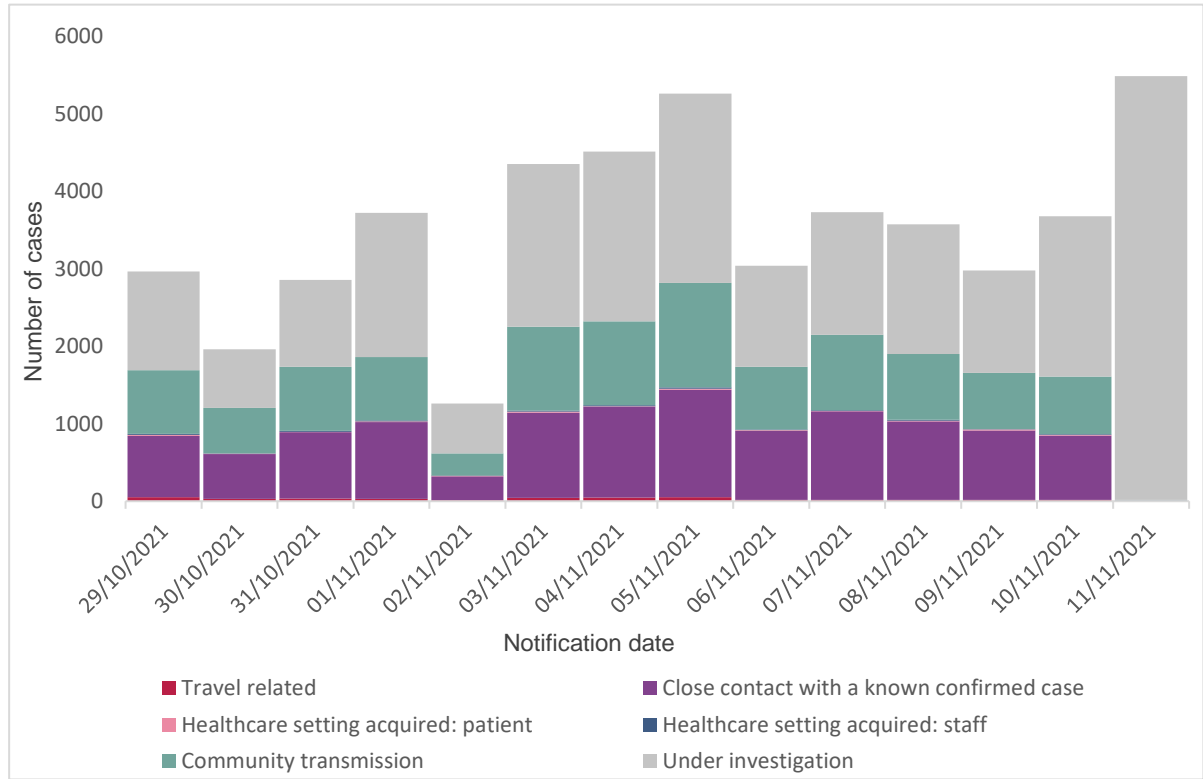
County	Number of confirmed cases in last 7 days	7-day Incidence per 100,000 population	Number of confirmed cases in last 14 days	14-day Incidence per 100,000 population	7 day incidence rate as a percentage of 14 day rate	5 day moving average of confirmed cases (07/11/2021 - 11/11/2021)
Leitrim	291	908.1	487	1519.8	59.75	36
Westmeath	776	874.2	1176	1324.8	65.99	116
Louth	1,053	817.0	1841	1428.4	57.20	158
Carlow	448	786.9	753	1322.6	59.50	59
Laois	587	693.1	1086	1282.2	54.05	89
Longford	273	667.9	475	1162.1	57.47	39
Donegal	1,028	645.8	1835	1152.7	56.02	144
Waterford	738	635.2	1518	1306.6	48.62	89
Cork	3,330	613.4	6059	1116.1	54.96	431
Meath	1,194	612.2	2173	1114.1	54.95	175
Kilkenny	604	608.7	944	951.3	63.98	80
Cavan	462	606.5	772	1013.4	59.84	68
Sligo	393	599.7	626	955.2	62.78	55
Galway	1,532	593.7	2576	998.2	59.47	207
Limerick	1,109	569.0	1988	1020.0	55.78	156
Mayo	736	564.0	1223	937.1	60.18	91
Dublin	7,513	557.6	13396	994.2	56.08	1101
Kerry	812	549.7	1617	1094.7	50.22	113
Tipperary	876	549.0	1559	977.1	56.19	118
Wicklow	727	510.4	1311	920.5	55.45	96
Clare	601	505.8	1,114	937.6	53.95	92
Kildare	1,078	484.5	1890	849.4	57.04	156
Wexford	702	468.9	1355	905.0	51.81	86
Roscommon	292	452.4	492	762.3	59.35	40
Offaly	340	436.1	641	822.2	53.04	60
Monaghan	238	387.7	449	731.4	53.01	32
Unknown/Other						
<b>Total</b>	<b>27733</b>	<b>582.4</b>	<b>49356</b>	<b>1036.5</b>	<b>56.19</b>	<b>3888</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 29/10/2021 up to midnight on 11/11/2021**

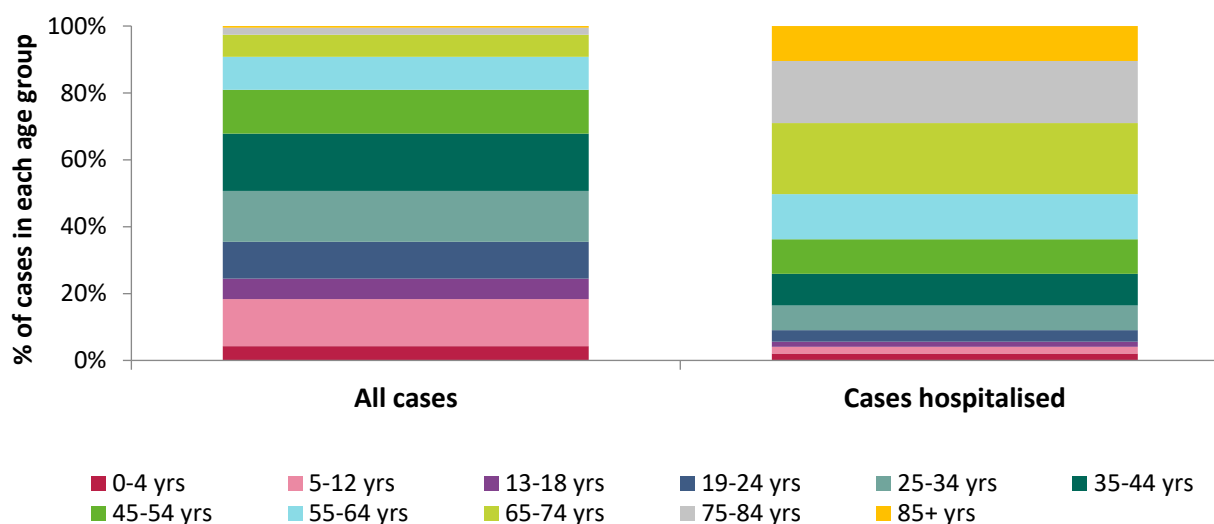
**Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 29/10/2021 up to midnight on 11/11/2021,by age group, hospitalisation and ICU admission\***

Most likely transmission source	Number of cases	Percent
Travel related*	383	0.8
Close contact with a known confirmed case	11967	24.2
Healthcare setting acquired: patient	116	0.2
Healthcare setting acquired: staff	140	0.3
Community transmission	10948	22.2
Under investigation	25,802	52.3
Total cases with known most likely transmission source	23554	
<b>Total</b>	<b>49,356</b>	



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 29/10/2021 up to midnight on 11/11/2021**

\*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 29/10/2021 up to midnight on 11/11/2021, 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 29/10/2021 up to midnight on 11/11/2021, 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	2092	4.2	13	2.0	0	0.0
5-12 yrs	6966	14.1	13	2.0	<5	-
13-18 yrs	3015	6.1	10	1.6	<5	-
19-24 yrs	5417	11.0	22	3.4	0	0.0
25-34 yrs	7520	15.2	47	7.3	<5	-
35-44 yrs	8476	17.2	61	9.5	<5	-
45-54 yrs	6460	13.1	66	10.3	8	19.5
55-64 yrs	4868	9.9	86	13.4	<5	-
65-74 yrs	3246	6.6	136	21.3	14	34.1
75-84 yrs	1070	2.2	119	18.6	8	19.5
85+ yrs	225	0.5	67	10.5	0	0.0
Unknown	1	0.0	0	0.0	0	0.0
<b>Total</b>	<b>49356</b>	<b>100</b>	<b>640</b>	<b>100</b>	<b>41</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 29/10/2021 up to midnight on 11/11/2021**

Date	Number of confirmed cases
29/10/2021	2965
30/10/2021	1961
31/10/2021	2853
01/11/2021	3722
02/11/2021	1259 *
03/11/2021	4352
04/11/2021	4511
05/11/2021	5259
06/11/2021	3036
07/11/2021	3728
08/11/2021	3574
09/11/2021	2975
10/11/2021	3678
11/11/2021	5483
<b>Total</b>	<b>49,356</b>

\* A technical issue impacted processing on CIDR on 2/11/2021 resulting in an artificially low number of notifications on the 2/11/2021 and an artificially high number on subsequent days

## **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 (29/10/2021 to 11/11/2021)**



