



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 10/11/2021

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 27/10/2021 up to midnight on 09/11/2021

	Number	Percent
Total number of confirmed cases	45,352	
National incidence of confirmed cases per 100,000	952.4	
Number of cases hospitalised*	607	1.34
Number of cases admitted to ICU*	33	0.07
Number of cases in healthcare workers	1072	2.36
% where HCW is known	4.5	
Number of cases associated with clusters**	799	1.76
Males	22,238	49.0
Females	23,036	50.8
M:F ratio	0.97	
Median age (years)	34	
Mean age (years)	35	
Age range (years)	0-99	

* 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 27/10/2021 up to midnight on 09/11/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 10/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

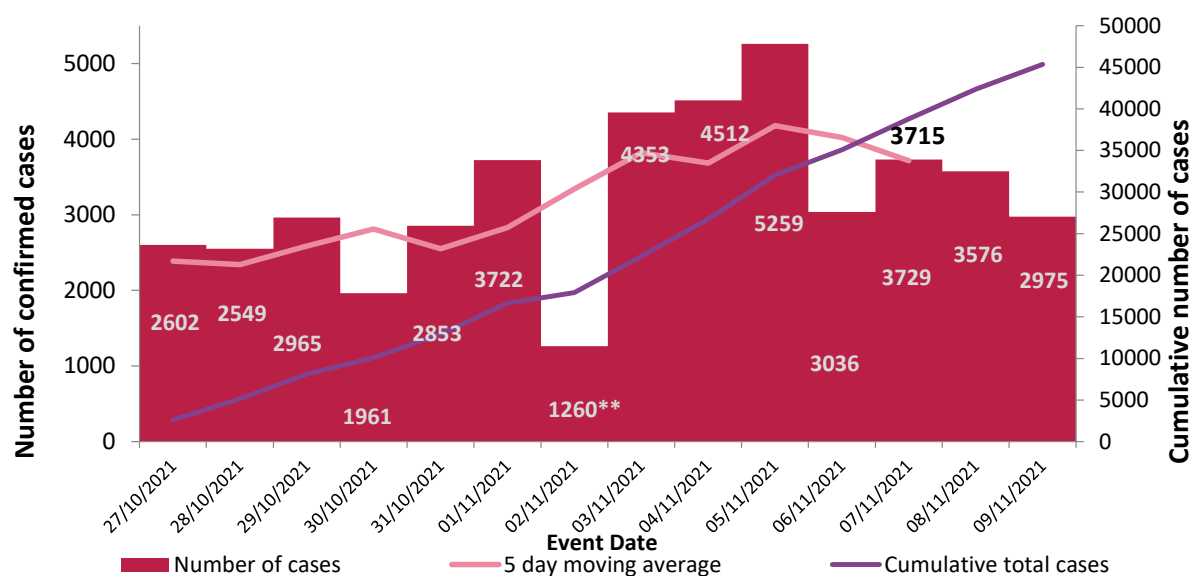


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=45352)

*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

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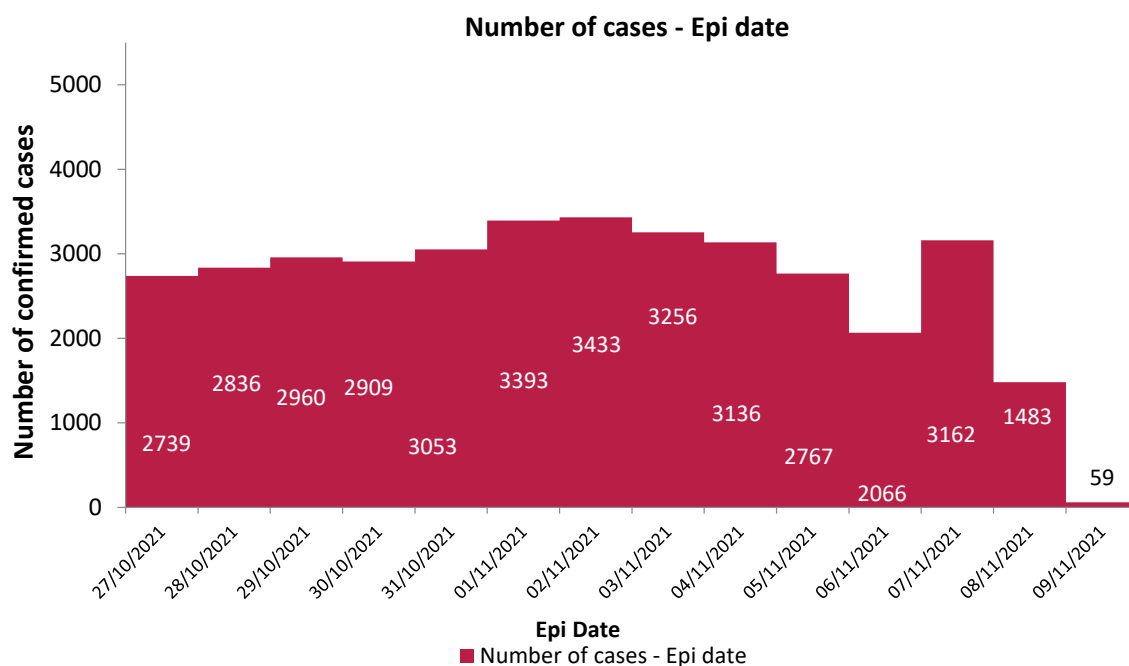


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 27/10/2021 up to midnight on 09/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		45,352	100
Sex	Male	22,238	49.0
	Female	23,036	50.8
	Unknown	78	0.2
Age	Median age (years)	34	
	Mean age (years)	35	
	Age range (years)	0-99	
	0-4 yrs	1899	4.2
	5-12 yrs	6330	14.0
	13-18 yrs	2727	6.0
	19-24 yrs	4868	10.7
	25-34 yrs	6875	15.2
	35-44 yrs	7856	17.3
	45-54 yrs	5955	13.1
	55-64 yrs	4545	10.0
	65-74 yrs	3047	6.7
	75-84 yrs	1015	2.2
	85+ yrs	232	0.5
	Unknown	3	
	Total	45,352	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 27/10/2021 up to midnight on 09/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		45,352	100	
Symptom status at time of test*	Yes	20708	45.7	86.9
	No	3110	6.9	13.1
	Unknown	21,534	47.5	
	Total cases where known	23818		
Healthcare worker	Yes	1072	2.4	4.5
	No	22846	50.4	95.5
	Unknown	21,434	47.3	
	Total cases where known	23918		

*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.

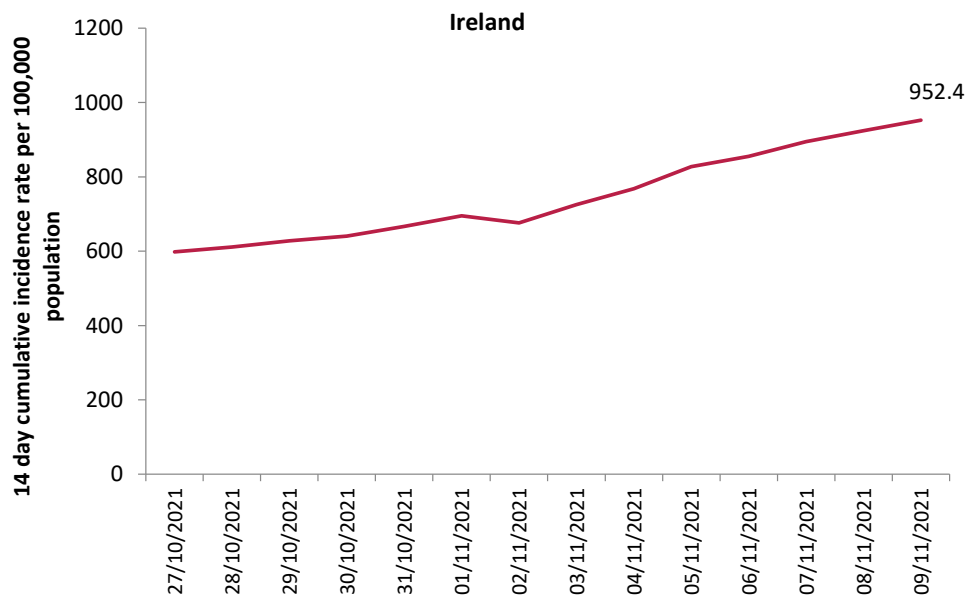


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 27/10/2021 up to midnight on 09/11/2021

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 27/10/2021 up to midnight on 09/11/2021, 7 day numbers are reported from 03/11/2021 up to midnight on 09/11/2021

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 (05/11/2021 - 09/11/2021)
Leitrim	287	895.6	457	1426.2	62.80	39
Westmeath	667	751.4	965	1087.1	69.12	95
Louth	933	723.9	1522	1180.9	61.30	122
Laois	589	695.4	987	1165.3	59.68	76
Carlow	394	692.1	675	1185.6	58.37	54
Donegal	1,078	677.2	1682	1056.6	64.09	138
Waterford	769	661.9	1519	1307.5	50.63	110
Longford	262	641.0	452	1105.9	57.96	34
Dublin	8,002	593.9	12645	938.5	63.28	1035
Cork	3,224	593.9	5512	1015.3	58.49	458
Meath	1,114	571.2	1,926	987.5	57.84	141
Limerick	1,097	562.9	1908	979.0	57.49	154
Mayo	718	550.2	1098	841.3	65.39	107
Galway	1,404	544.1	2297	890.1	61.12	205
Wicklow	769	539.9	1242	872.0	61.92	110
Sligo	341	520.3	521	795.0	65.45	46
Kerry	764	517.2	1495	1012.1	51.10	99
Tipperary	825	517.1	1420	890.0	58.10	118
Cavan	385	505.4	648	850.7	59.41	53
Kilkenny	499	502.9	813	819.3	61.38	77
Wexford	745	497.6	1302	869.6	57.22	104
Kildare	1,094	491.7	1755	788.7	62.34	144
Offaly	383	491.3	606	777.3	63.20	50
Clare	580	488.1	1051	884.6	55.19	78
Roscommon	267	413.7	443	686.4	60.27	39
Monaghan	250	407.3	411	669.5	60.83	30
Unknown/Other						
Total	27440	576.2	45352	952.4	60.50	3715

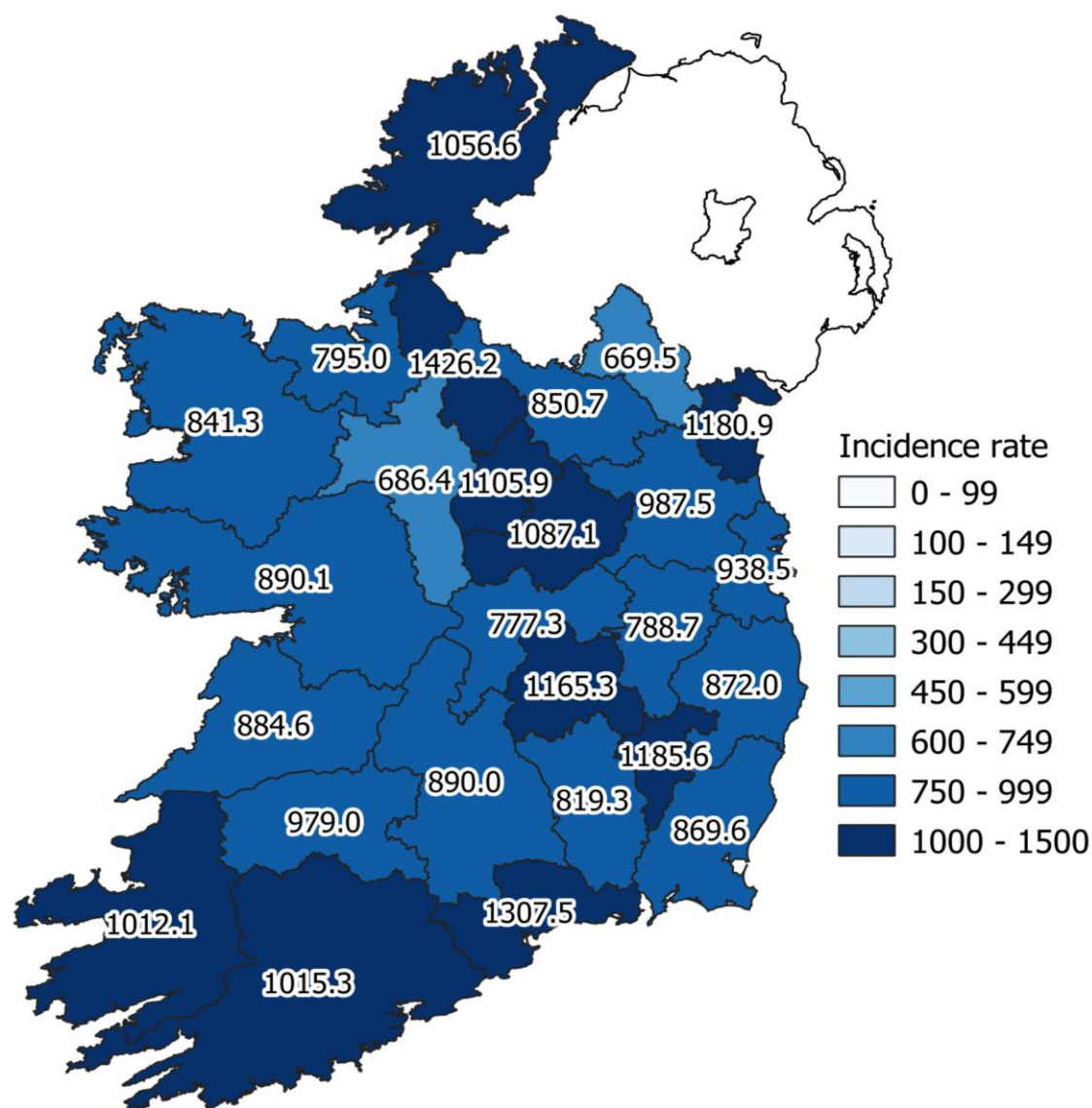


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 27/10/2021 up to midnight on 09/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 27/10/2021 up to midnight on 09/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	414	0.9
Close contact with a known confirmed case	11215	24.7
Healthcare setting acquired: patient	117	0.3
Healthcare setting acquired: staff	147	0.3
Community transmission	10319	22.8
Under investigation	23,140	51.0
Total cases with known most likely transmission source	22212	
Total	45,352	

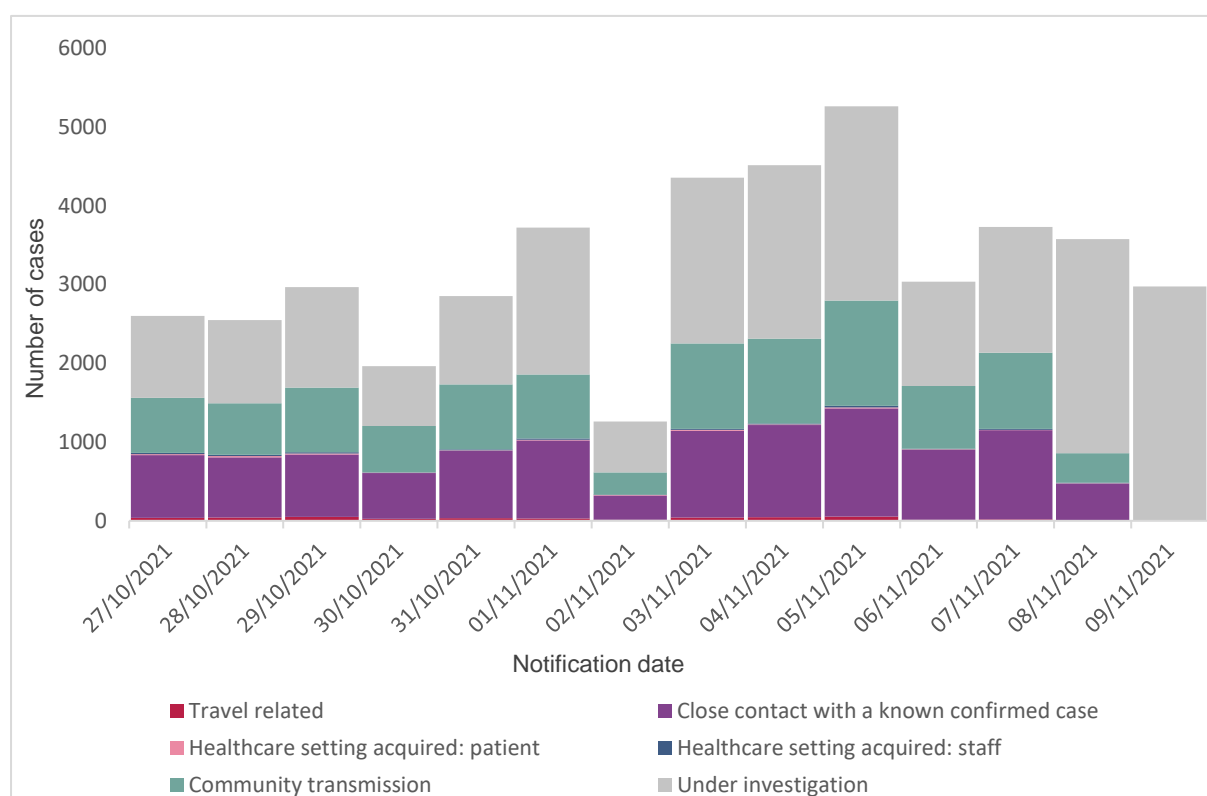


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 27/10/2021 up to midnight on 09/11/2021

*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

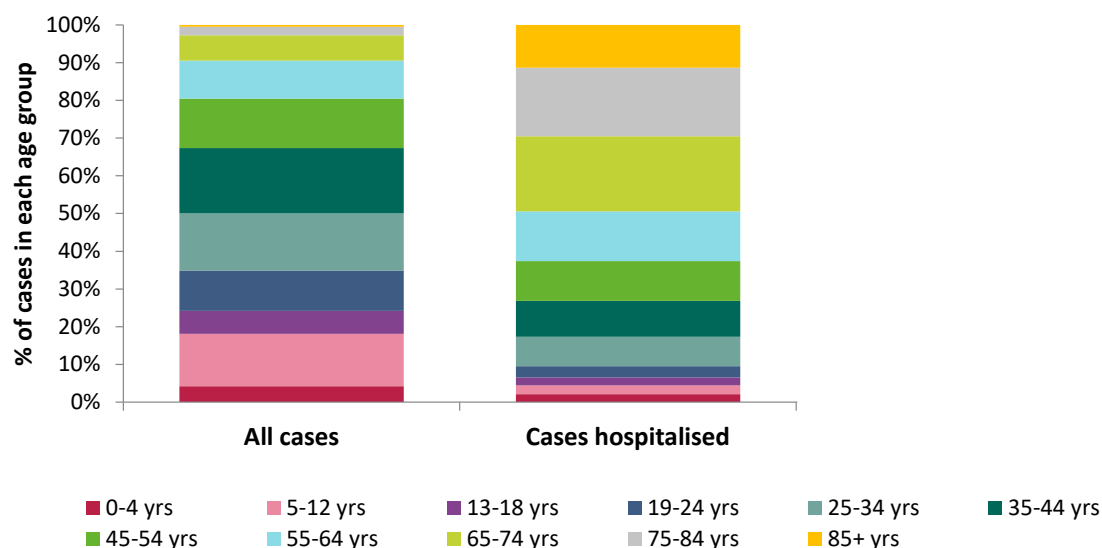


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 27/10/2021 up to midnight on 09/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 27/10/2021 up to midnight on 09/11/2021, 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	1899	4.2	13	2.1	<5	-
5-12 yrs	6330	14.0	14	2.3	<5	-
13-18 yrs	2727	6.0	13	2.1	<5	-
19-24 yrs	4868	10.7	18	3.0	<5	-
25-34 yrs	6875	15.2	47	7.7	<5	-
35-44 yrs	7856	17.3	58	9.6	<5	-
45-54 yrs	5955	13.1	64	10.5	8	24.2
55-64 yrs	4545	10.0	80	13.2	<5	-
65-74 yrs	3047	6.7	121	19.9	9	27.3
75-84 yrs	1015	2.2	110	18.1	7	21.2
85+ yrs	232	0.5	69	11.4	<5	-
Unknown	3	0.0	0	0.0	0	0.0
Total	45352	100	607	100	33	100

* 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 27/10/2021 up to midnight on 09/11/2021

Date	Number of confirmed cases
27/10/2021	2602
28/10/2021	2549
29/10/2021	2965
30/10/2021	1961
31/10/2021	2853
01/11/2021	3722
02/11/2021	1260 *
03/11/2021	4353
04/11/2021	4512
05/11/2021	5259
06/11/2021	3036
07/11/2021	3729
08/11/2021	3576
09/11/2021	2975
Total	45,352

* 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 ≥ 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 (27/10/2021 to 09/11/2021)



