



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 18/11/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 04/11/2021 up to midnight on 17/11/2021

	Number	Percent
Total number of confirmed cases	57,940	
National incidence of confirmed cases per 100,000	1216.8	
Number of cases hospitalised*	691	1.19
Number of cases admitted to ICU*	40	0.07
Number of cases in healthcare workers	967	1.67
% where HCW is known	3.7	
Number of cases associated with clusters**	859	1.48
Males	28,627	49.4
Females	29,218	50.4
M:F ratio	0.98	
Median age (years)	34	
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

**Cases may be associated with outbreaks notified outside the timeframe of this report from 04/11/2021 up to midnight on 17/11/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 18/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

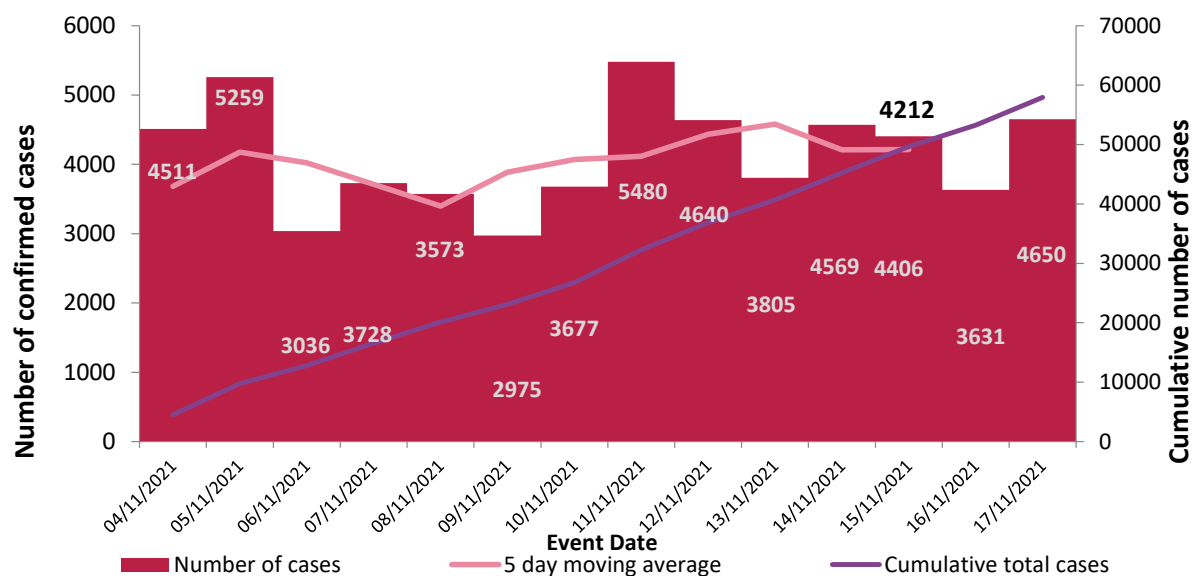


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=57940)

*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.

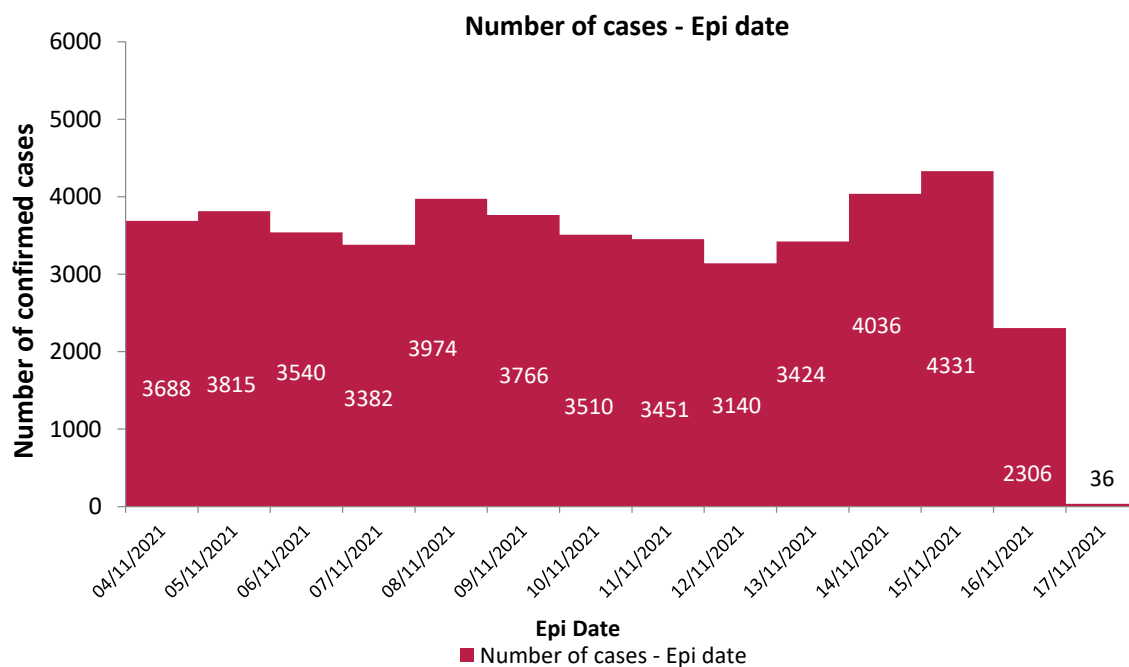


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 04/11/2021 up to midnight on 17/11/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		57,940	100
Sex	Male	28,627	49.4
	Female	29,218	50.4
	Unknown	95	0.2
Age	Median age (years)	34	
	Mean age (years)	34	
	Age range (years)	0-102	
	0-4 yrs	2689	4.6
	5-12 yrs	8914	15.4
	13-18 yrs	3477	6.0
	19-24 yrs	6090	10.5
	25-34 yrs	8668	15.0
	35-44 yrs	9962	17.2
	45-54 yrs	7562	13.1
	55-64 yrs	5608	9.7
	65-74 yrs	3548	6.1
	75-84 yrs	1181	2.0
	85+ yrs	239	0.4
	Unknown	2	
	Total	57,940	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 04/11/2021 up to midnight on 17/11/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		57,940	100	
Symptom status at time of test*	Yes	22598	39.0	91.6
	No	2063	3.6	8.4
	Unknown	33,279	57.4	
	Total cases where known	24661		
Healthcare worker	Yes	967	1.7	3.7
	No	25108	43.3	96.3
	Unknown	31,865	55.0	
	Total cases where known	26075		

*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.

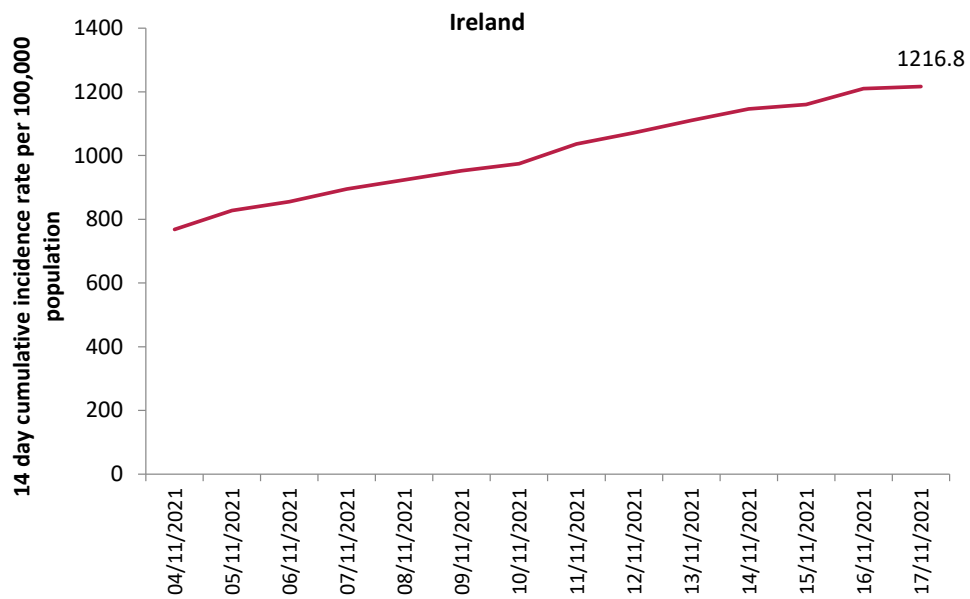


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 04/11/2021 up to midnight on 17/11/2021

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 04/11/2021 up to midnight on 17/11/2021, 7 day numbers are reported from 11/11/2021 up to midnight on 17/11/2021

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 (13/11/2021 - 17/11/2021)
Carlow	529	929.2	939	1649.3	56.34	71
Louth	1,175	911.7	2070	1606.1	56.76	133
Westmeath	802	903.5	1469	1654.8	54.59	102
Kilkenny	796	802.2	1316	1326.2	60.49	105
Cavan	591	775.8	955	1253.7	61.88	68
Leitrim	241	752.1	533	1663.3	45.22	29
Meath	1,430	733.2	2536	1300.2	56.39	179
Sligo	470	717.2	833	1271.1	56.42	62
Waterford	818	704.1	1558	1341.1	52.50	117
Longford	282	689.9	533	1304.0	52.91	38
Offaly	537	688.8	895	1148.0	60.00	76
Dublin	9,197	682.6	16632	1234.4	55.30	1295
Tipperary	1,063	666.2	1889	1183.9	56.27	148
Cork	3,527	649.7	6748	1243.0	52.27	467
Kerry	950	643.2	1743	1180.0	54.50	122
Clare	736	619.4	1329	1118.5	55.38	105
Roscommon	395	612.0	658	1019.5	60.03	57
Galway	1,544	598.3	3008	1165.6	51.33	201
Laois	500	590.3	1062	1253.9	47.08	60
Kildare	1,289	579.3	2358	1059.8	54.66	168
Limerick	1,062	544.9	2125	1090.3	49.98	143
Mayo	710	544.0	1446	1108.0	49.10	89
Donegal	812	510.1	1899	1192.9	42.76	117
Monaghan	309	503.4	508	827.6	60.83	43
Wexford	727	485.6	1446	965.8	50.28	110
Wicklow	689	483.8	1452	1019.5	47.45	105
Unknown/Other						
Total	31,181	654.8	57940	1216.8	53.82	4212

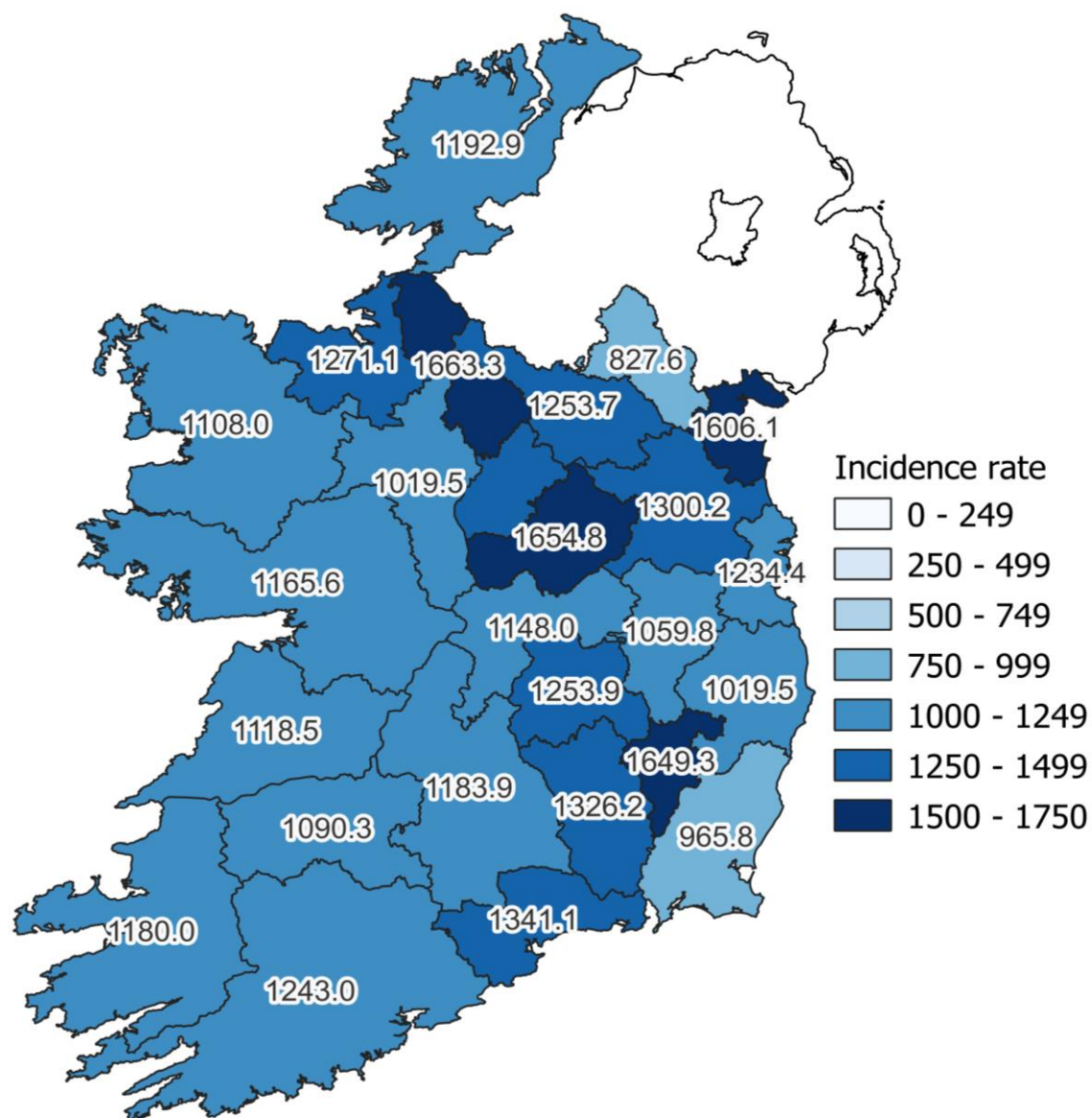


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 04/11/2021 up to midnight on 17/11/2021

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 04/11/2021 up to midnight on 17/11/2021, by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	271	0.5
Close contact with a known confirmed case	12581	21.7
Healthcare setting acquired: patient	128	0.2
Healthcare setting acquired: staff	153	0.3
Community transmission	10948	18.9
Under investigation	33,859	58.4
Total cases with known most likely transmission source	24081	
Total	57,940	

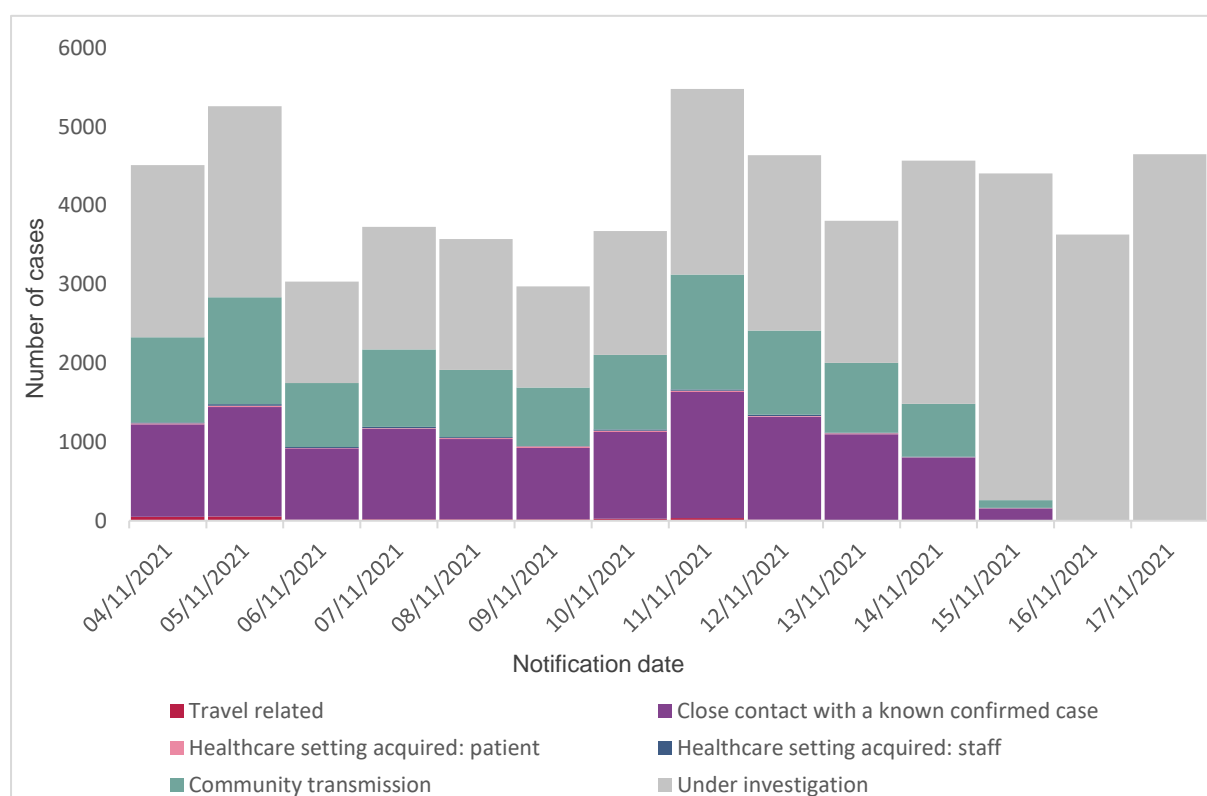


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 04/11/2021 up to midnight on 17/11/2021

*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

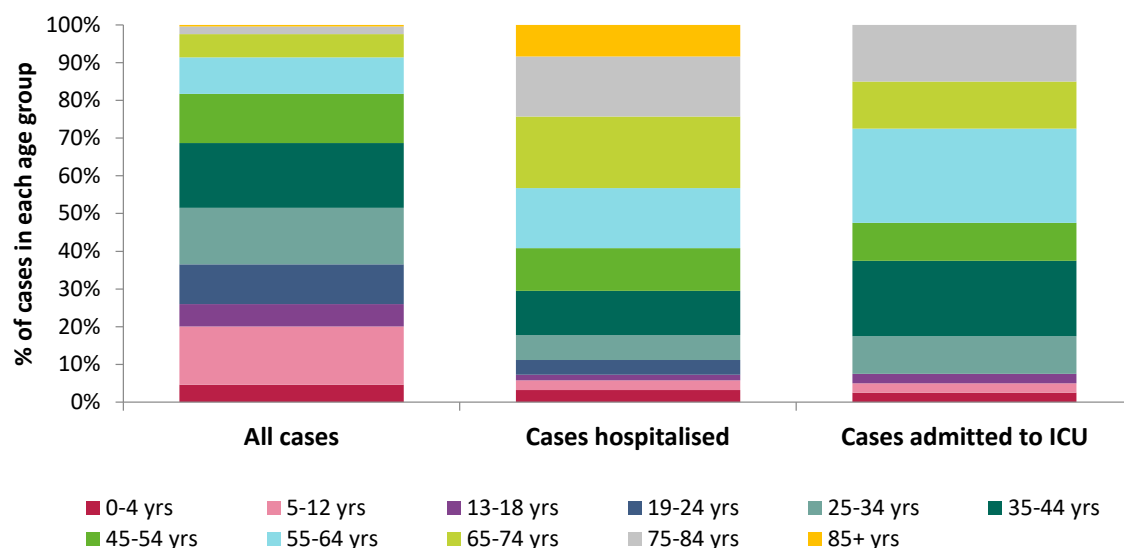


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 04/11/2021 up to midnight on 17/11/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 04/11/2021 up to midnight on 17/11/2021, 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	2689	4.6	22	3.2	<5	-
5-12 yrs	8914	15.4	18	2.6	<5	-
13-18 yrs	3477	6.0	10	1.4	<5	-
19-24 yrs	6090	10.5	27	3.9	<5	-
25-34 yrs	8668	15.0	46	6.7	<5	-
35-44 yrs	9962	17.2	81	11.7	8	20.0
45-54 yrs	7562	13.1	78	11.3	<5	-
55-64 yrs	5608	9.7	110	15.9	10	25.0
65-74 yrs	3548	6.1	131	19.0	5	12.5
75-84 yrs	1181	2.0	110	15.9	6	15.0
85+ yrs	239	0.4	58	8.4	<5	-
Unknown	2	0.0	0	0.0	0	0.0
Total	57940	100	691	100	40	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 04/11/2021 up to midnight on 17/11/2021

Date	Number of confirmed cases
04/11/2021	4511
05/11/2021	5259
06/11/2021	3036
07/11/2021	3728
08/11/2021	3573
09/11/2021	2975
10/11/2021	3677
11/11/2021	5480
12/11/2021	4640
13/11/2021	3805
14/11/2021	4569
15/11/2021	4406
16/11/2021	3631
17/11/2021	4650
Total	57,940

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 (04/11/2021 to 17/11/2021)

