



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 01/11/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 18/10/2021 up to midnight on 31/10/2021

	Number	Percent
Total number of confirmed cases	31,770	
National incidence of confirmed cases per 100,000	667.2	
Number of cases hospitalised*	479	1.51
Number of cases admitted to ICU*	26	0.08
Number of cases in healthcare workers	672	2.12
% where HCW is known	4.8	
Number of cases associated with clusters**	833	2.62
Males	15,628	49.2
Females	16,101	50.7
M:F ratio	0.97	
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 18/10/2021 up to midnight on 31/10/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 01/11/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

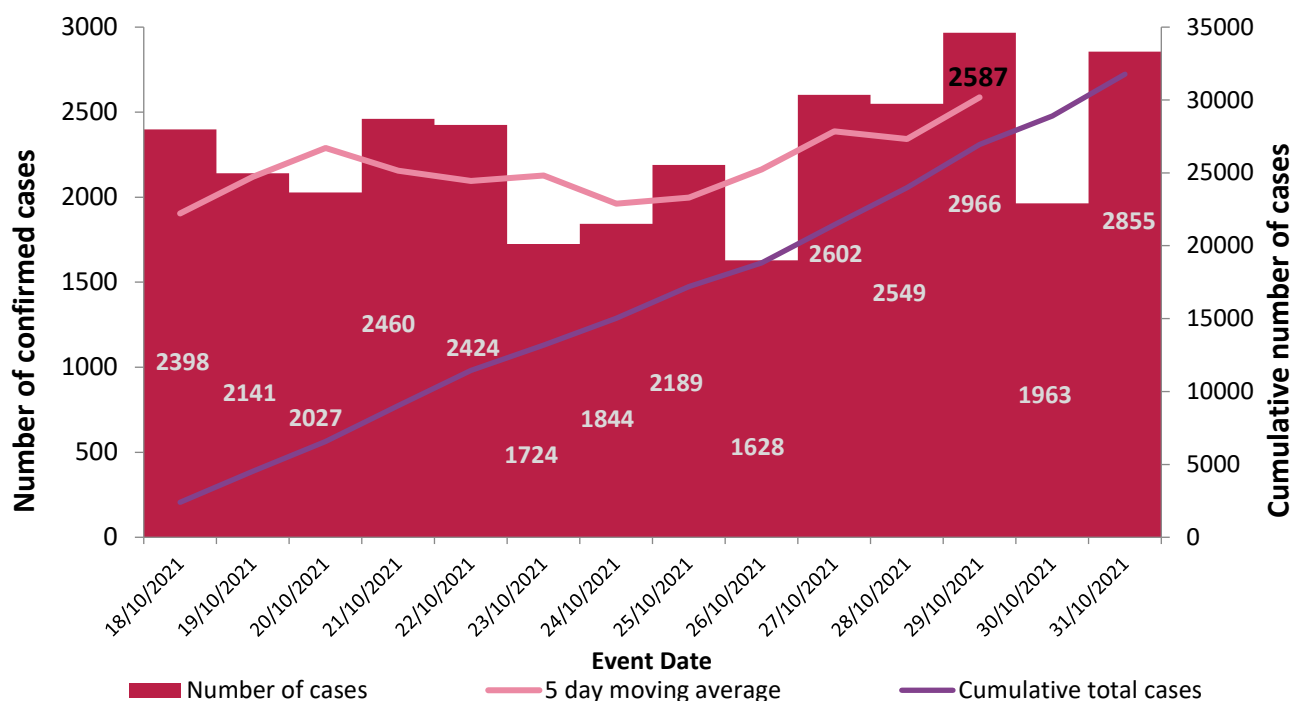


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=31770)

*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

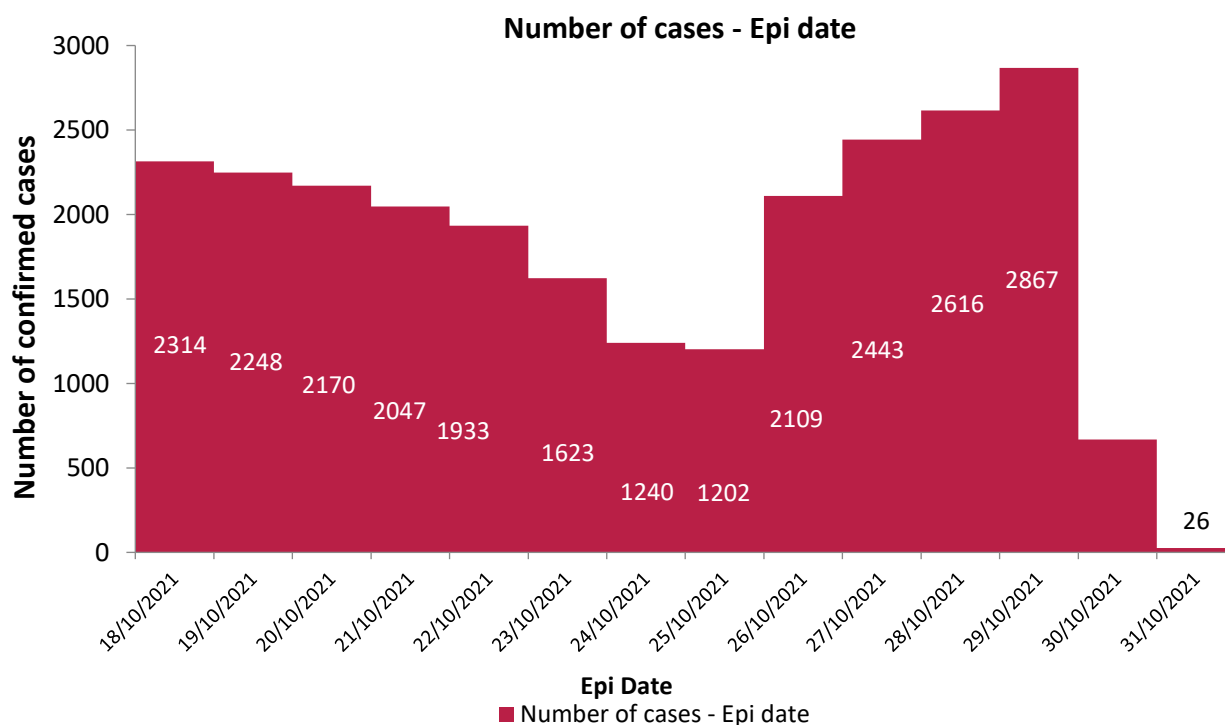


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*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 18/10/2021 up to midnight on 31/10/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		31,770	100
Sex	Male	15,628	49.2
	Female	16,101	50.7
	Unknown	41	0.1
Age	Median age (years)	36	
	Mean age (years)	36	
	Age range (years)	0-101	
	0-4 yrs	1443	4.5
	5-12 yrs	4888	15.4
	13-18 yrs	1616	5.1
	19-24 yrs	2666	8.4
	25-34 yrs	4419	13.9
	35-44 yrs	5553	17.5
	45-54 yrs	4166	13.1
	55-64 yrs	3335	10.5
	65-74 yrs	2437	7.7
	75-84 yrs	965	3.0
	85+ yrs	280	0.9
	Unknown	2	
	Total	31,770	

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 18/10/2021 up to midnight on 31/10/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		31,770	100	
Symptom status at time of test*	Yes	11979	37.7	85.6
	No	2007	6.3	14.4
	Unknown	17,784	56.0	
	Total cases where known	13986		
Healthcare worker	Yes	672	2.1	4.8
	No	13421	42.2	95.2
	Unknown	17,677	55.6	
	Total cases where known	14093		

*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.

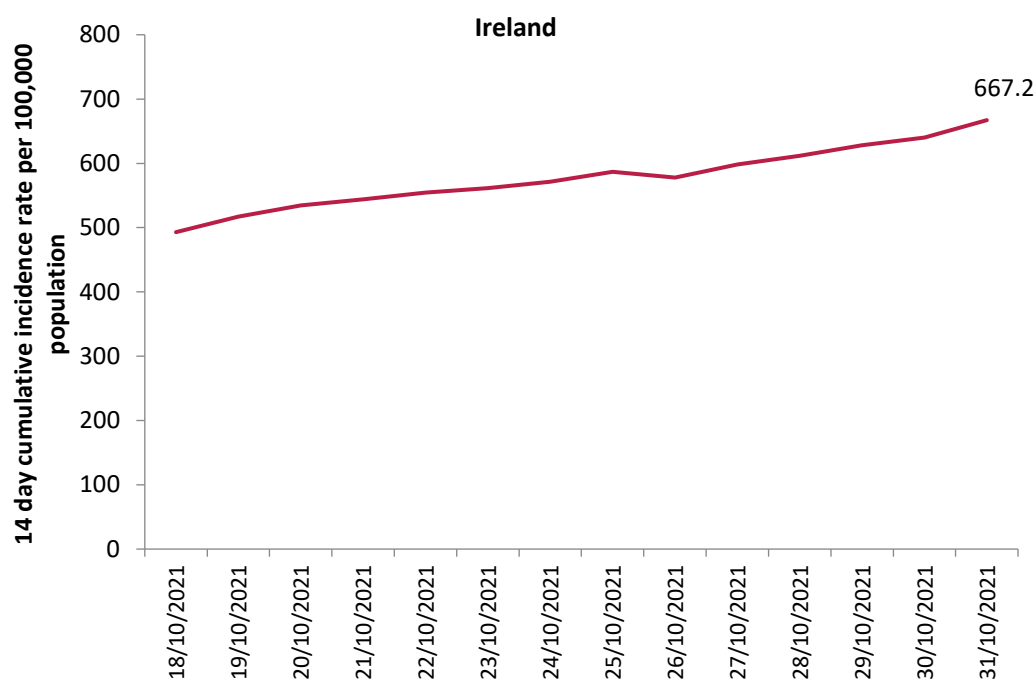


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 18/10/2021 up to midnight on 31/10/2021

*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 18/10/2021 up to midnight on 31/10/2021, 7 day numbers are reported from 25/10/2021 up to midnight on 31/10/2021

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 (27/10/2021 - 31/10/2021)
Waterford	771	663.6	1465	1261.0	52.63	115
Longford	244	597.0	487	1191.5	50.10	40
Carlow	320	562.1	689	1210.2	46.44	50
Kerry	746	505.1	1551	1050.1	48.10	106
Laois	407	480.5	727	858.4	55.98	65
Louth	570	442.3	1046	811.6	54.49	85
Westmeath	357	402.2	661	744.6	54.01	59
Clare	477	401.5	927	780.2	51.46	72
Limerick	769	394.6	1488	763.5	51.68	116
Leitrim	123	383.8	236	736.5	52.12	23
Wexford	534	356.7	851	568.4	62.75	77
Cork	1,935	356.4	3567	657.1	54.25	297
Meath	642	329.2	1234	632.7	52.03	100
Donegal	522	327.9	1064	668.4	49.06	87
Dublin	4,365	324.0	8335	618.6	52.37	690
Galway	832	322.4	1552	601.4	53.61	127
Offaly	248	318.1	452	579.8	54.87	34
Tipperary	506	317.1	906	567.8	55.85	81
Kilkenny	313	315.4	582	586.5	53.78	46
Cavan	226	296.7	449	589.4	50.33	32
Kildare	630	283.1	1220	548.3	51.64	99
Wicklow	395	277.3	724	508.3	54.56	58
Roscommon	170	263.4	358	554.7	47.49	28
Monaghan	160	260.6	300	488.7	53.33	24
Mayo	339	259.8	588	450.6	57.65	51
Sligo	151	230.4	311	474.6	48.55	25
Unknown/Other						
Total	16,752	351.8	31,770	667.2	52.73	2587

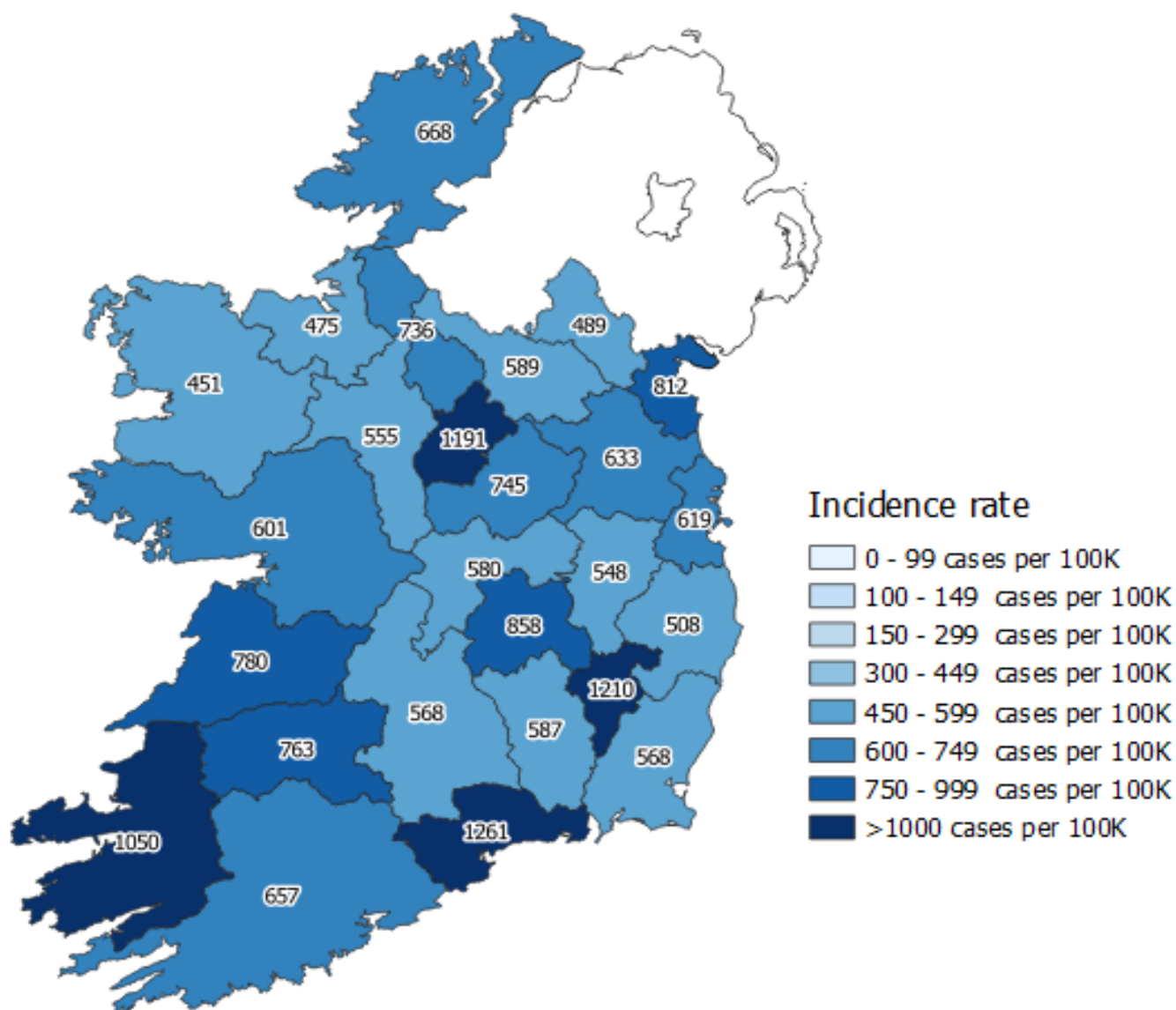


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 18/10/2021 up to midnight on 31/10/2021

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 18/10/2021 up to midnight on 31/10/2021,by age group, hospitalisation and ICU admission*

Most likely transmission source	Number of cases	Percent
Travel related*	393	1.2
Close contact with a known confirmed case	6858	21.6
Healthcare setting acquired: patient	83	0.3
Healthcare setting acquired: staff	114	0.4
Community transmission	5804	18.3
Under investigation	18,518	58.3
Total cases with known most likely transmission source	13252	
Total	31,770	

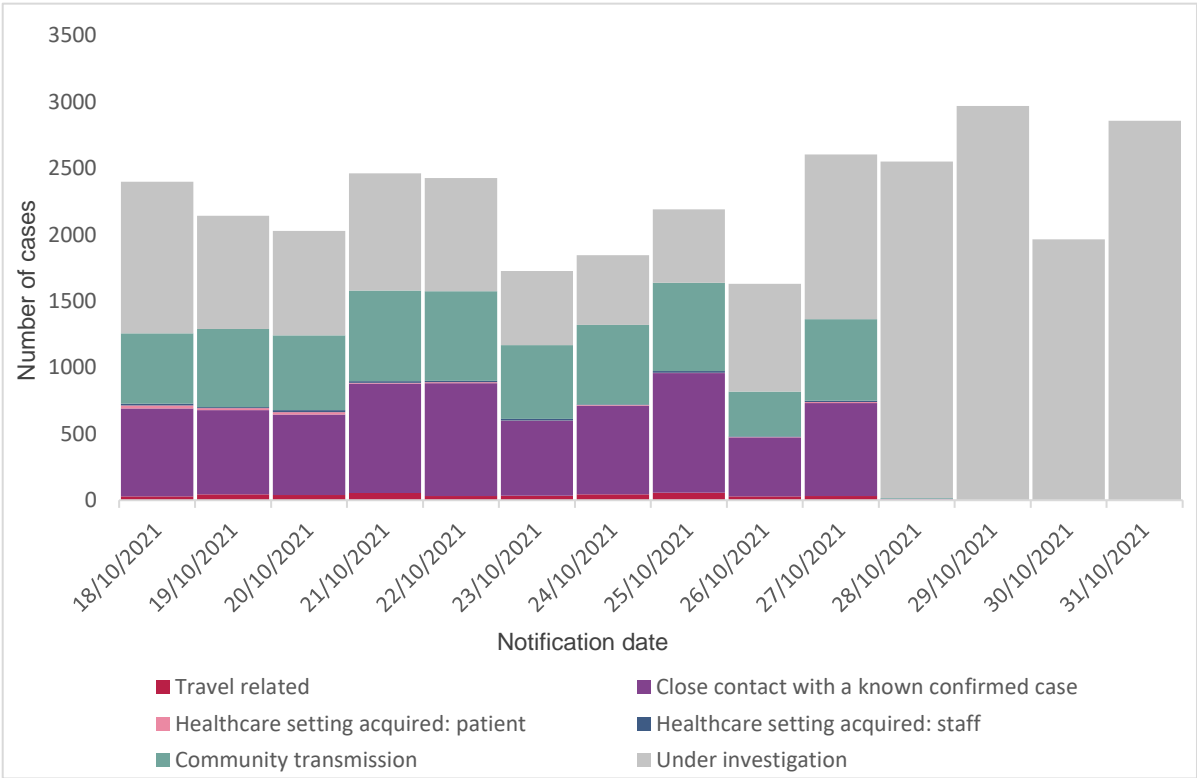


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 18/10/2021 up to midnight on 31/10/2021

*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

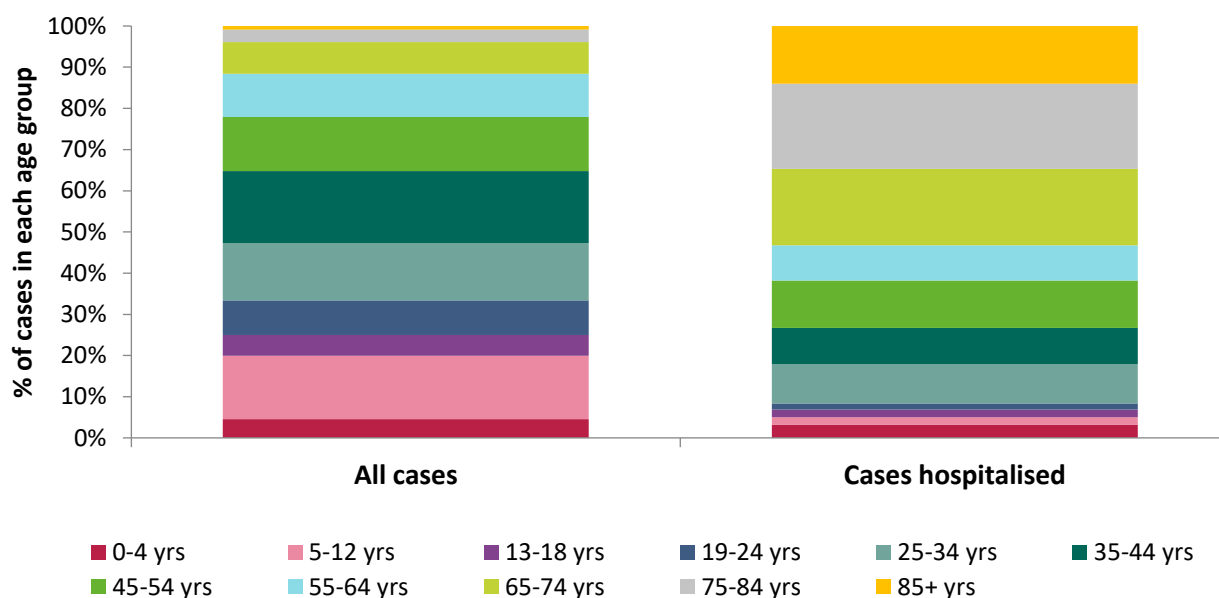


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 18/10/2021 up to midnight on 31/10/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 18/10/2021 up to midnight on 31/10/2021, 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	1443	4.5	15	3.1	0	0.0
5-12 yrs	4888	15.4	9	1.9	0	0.0
13-18 yrs	1616	5.1	9	1.9	<5	-
19-24 yrs	2666	8.4	7	1.5	0	0.0
25-34 yrs	4419	13.9	46	9.6	<5	-
35-44 yrs	5553	17.5	42	8.8	<5	-
45-54 yrs	4166	13.1	55	11.5	<5	-
55-64 yrs	3335	10.5	41	8.6	<6	-
65-74 yrs	2437	7.7	89	18.6	7	26.9
75-84 yrs	965	3.0	99	20.7	<5	-
85+ yrs	280	0.9	67	14.0	<5	-
Unknown	2	0.0	0	0.0	0	0.0
Total	31770	100	479	100	26	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 18/10/2021 up to midnight on 31/10/2021

Date	Number of confirmed cases
18/10/2021	2398
19/10/2021	2141
20/10/2021	2027
21/10/2021	2460
22/10/2021	2424
23/10/2021	1724
24/10/2021	1844
25/10/2021	2189
26/10/2021	1628
27/10/2021	2602
28/10/2021	2549
29/10/2021	2966
30/10/2021	1963
31/10/2021	2855
Total	31,770

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 (18/10/2021 to 31/10/2021)

