

Epidemiology of COVID-19 in Ireland - HPSC interim 14 day report on cases uploaded to the COVID Care Tracker

Report prepared by HPSC on 01/09/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 18/08/2021 up to midnight on 31/08/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	24,847	
National incidence of confirmed cases per 100,000 population	521.8	
Number of cases in healthcare workers	1040	4.2
Males	12,335	49.6
Females	12,463	50.2
M:F ratio	1.0	
Median age (years)	27	
Mean age (years)	31	
Age range (years)	0-108	

Note: Data included in this report are based on SARS CoV-2 results uploaded to the COVID Care Tracker. These data are provisional and subject to ongoing review, validation and update.

The reported epidemiology of COVID-19, including the daily number of COVID-19 cases and the 14-day incidence reports, is normally based on the notifications to the Computerised Infectious Disease Reporting (CIDR) system. The cyber-attack on the HSE on 14 May 2021 has prevented the routine notification of cases, associated deaths and outbreaks of COVID-19 to CIDR. As an interim measure, provisional epidemiological reports will be prepared based on the information captured by the HSE COVID Care Tracker. Please note that these data do not represent notified cases, and have not undergone the data validation procedures undertaken through CIDR. For this reason, data in this report may differ from that previously reported based on CIDR data for this period. Similarly, future data reported for this period may differ from that presented in this report. As soon as all COVID-19 surveillance systems are restored, surveillance staff in laboratories, the Departments of Public Health and HPSC will work together to retrospectively collate and validate COVID-19 cases, outbreaks and deaths diagnosed and/or notified during this period.

Table 1: Age and sex of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 18/08/2021 up to midnight on 31/08/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		24,847	100
Sex	Male	12,335	49.6
	Female	12,463	50.2
	Unknown	49	0.2
Age	Median age (years)	27	
	Mean age (years)	31	
	Age range (years)	0-108	
	0-4 yrs	1388	5.6
	5-12 yrs	3160	12.7
	13-18 yrs	3367	13.6
	19-24 yrs	3522	14.2
	25-34 yrs	4002	16.1
	35-44 yrs	3236	13.0
	45-54 yrs	2689	10.8
	55-64 yrs	1690	6.8
	65-74 yrs	977	3.9
	75-84 yrs	506	2.0
	85+ yrs	310	1.2
	Total	24,847	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 18/08/2021 up to midnight on 31/08/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		24,847	100	
Symptom status at time of test*	Yes	16,724	67.3	79.2
	No	4,403	17.7	20.8
	Unknown	3,720	15.0	
	Total cases where known	21,127		
Healthcare worker	Yes	1,040	4.2	4.8
	No	20,412	82.2	95.2
	Unknown	3395	13.7	
	Total cases where known	21,452		

*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.

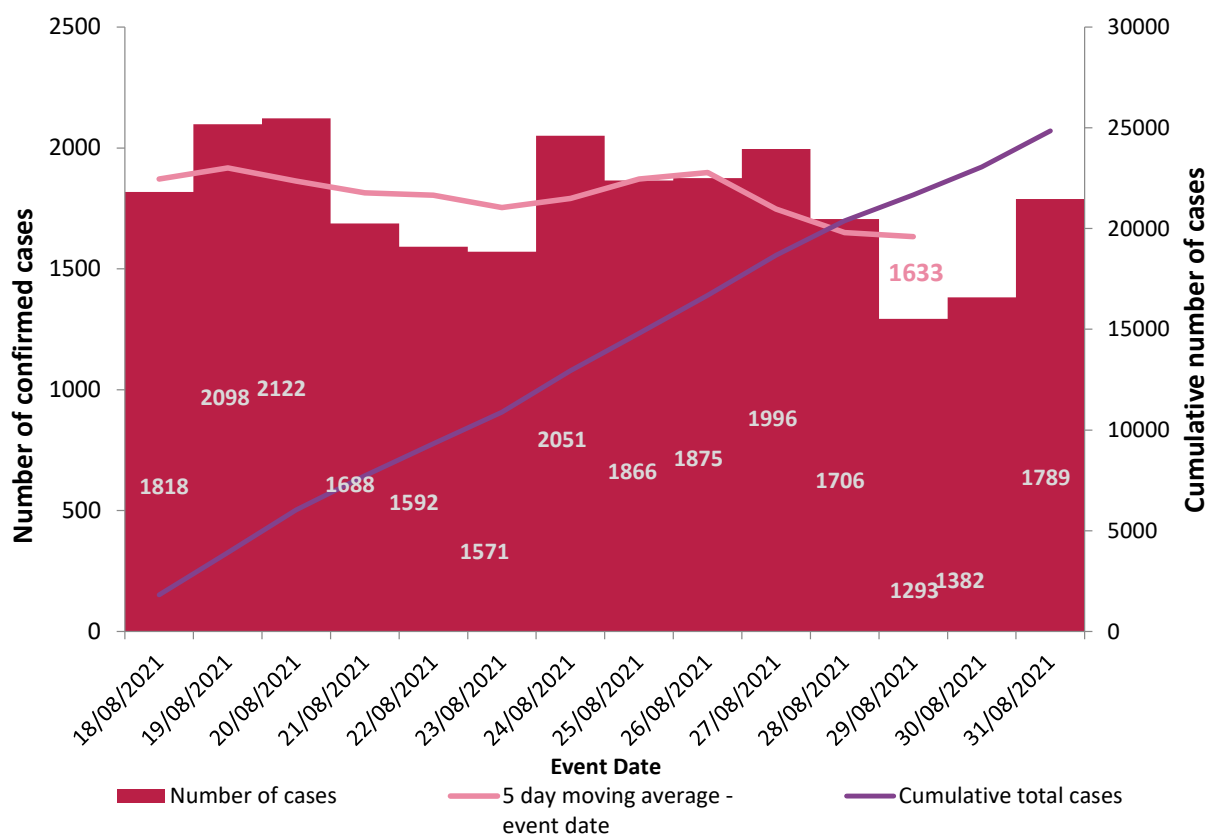


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=24847)

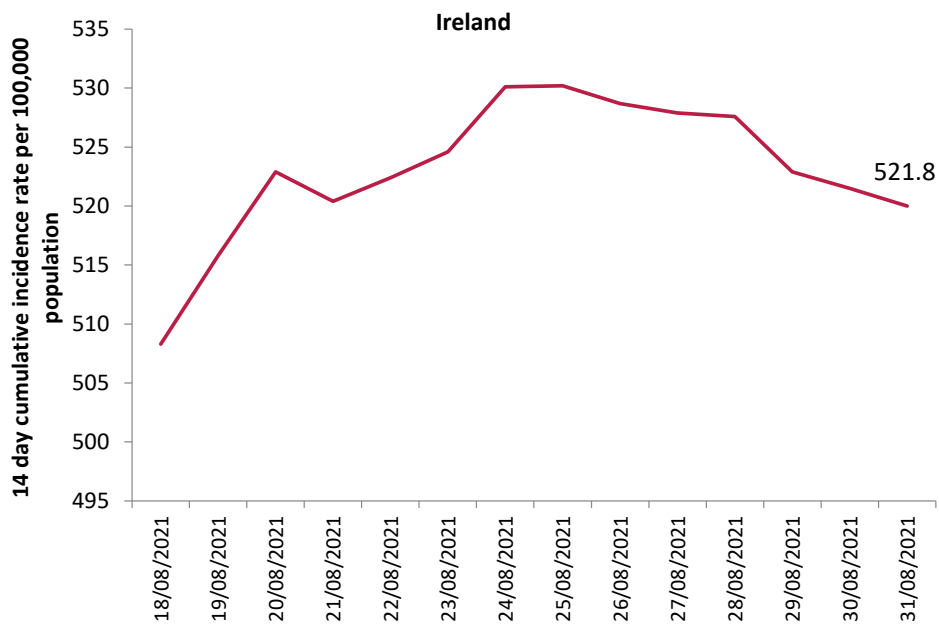


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 18/08/2021 up to midnight on 31/08/2021

*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 in Ireland uploaded to the COVID Care Tracker from 18/08/2021 up to midnight on 31/08/2021 7 day numbers are reported from 25/08/2021 up to midnight on 31/08/2021

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 (27/08/2021 - 31/08/2021)
Monaghan	487	793.3	962	1567.1	50.62	63
Donegal	873	548.4	1849	1161.5	47.21	117
Cavan	314	412.2	734	963.6	42.78	39
Longford	146	357.2	284	694.8	51.41	17
Sligo	208	317.4	391	596.6	53.20	26
Louth	386	299.5	702	544.7	54.99	53
Kerry	428	289.8	881	596.5	48.58	59
Roscommon	177	274.2	400	619.7	44.25	26
Leitrim	86	268.4	165	514.9	52.12	11
Carlow	149	261.7	285	500.6	52.28	20
Mayo	339	259.8	783	600.0	43.30	51
Limerick	498	255.5	1043	535.1	47.75	73
Dublin	3,359	249.3	6876	510.3	48.85	469
Meath	484	248.1	999	512.2	48.45	65
Galway	608	235.6	1286	498.3	47.28	82
Offaly	182	233.5	398	510.5	45.73	25
Tipperary	346	216.9	886	555.3	39.05	46
Kilkenny	215	216.7	352	354.7	61.08	29
Westmeath	173	194.9	433	487.8	39.95	24
Wicklow	273	191.7	581	407.9	46.99	35
Cork	1,033	190.3	2015	371.2	51.27	147
Wexford	277	185.0	553	369.4	50.09	42
Kildare	389	174.8	839	377.1	46.36	52
Waterford	167	143.7	462	397.7	36.15	18
Laois	117	138.1	309	364.8	37.86	17
Clare	155	130.5	296	249.1	52.36	24
Unknown	38		83			
Total	11,907	250.0	24,847	521.8	47.92	1633

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 18/08/2021 up to midnight on 31/08/2021

Most likely transmission source	Number of cases	Percent
Travel related	926	3.7
Close contact with a known confirmed case	10,818	43.5
Healthcare setting acquired: patient	155	0.6
Healthcare setting acquired: staff	140	0.6
Community transmission	7,693	31.0
Under investigation	5,115	20.6
Total cases with known most likely transmission source	19,732	79.4
Total	24,847	100

The most likely transmission source should be interpreted with caution as data may not be updated based on additional investigations undertaken by Departments of Public Health Medicine as occurred previously with CIDR

Table 5: Daily number of confirmed COVID-19 cases uploaded to the COVID Care Tracker from 18/08/2021 up to midnight on 31/08/2021

Date	Number of confirmed cases
18/08/2021	1818
19/08/2021	2098
20/08/2021	2122
21/08/2021	1688
22/08/2021	1592
23/08/2021	1571
24/08/2021	2051
25/08/2021	1866
26/08/2021	1875
27/08/2021	1996
28/08/2021	1706
29/08/2021	1293
30/08/2021	1382
31/08/2021	1789
Total	24,847

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 information uploaded to the COVID Care Tracker (CCT). Please note that these data do not represent notified cases, and have not undergone normal data validation procedures. Data are therefore provisional and subject to ongoing review and update. As a result, figures in this report may differ from previously published figures.

2. Dates

Daily totals are based on the date a positive sample for a case is uploaded to the CCT. In situations where two samples are uploaded for the same case the earliest date is used.

3. 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.

4. Transmission classification

Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CCT. Transmission is classified as 'unknown' due to incomplete data on CCT.

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.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (18/08/2021 to 31/08/2021)

