

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

Report prepared by HPSC on 18/08/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 04/08/2021 up to midnight on 17/08/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	23,920	
National incidence of confirmed cases per 100,000 population	502.3	
Number of cases in healthcare workers	827	3.5
Males	12,208	51.0
Females	11,679	48.8
M:F ratio	1.0	
Median age (years)	24	
Mean age (years)	29	
Age range (years)	0-102	

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 04/08/2021 up to midnight on 17/08/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		23,920	100
Sex	Male	12,208	51.0
	Female	11,679	48.8
	Unknown	33	0.1
Age	Median age (years)	24	
	Mean age (years)	29	
	Age range (years)	0-102	
	0-4 yrs	1124	4.7
	5-12 yrs	2192	9.2
	13-18 yrs	4118	17.2
	19-24 yrs	4688	19.6
	25-34 yrs	4401	18.4
	35-44 yrs	2738	11.4
	45-54 yrs	2117	8.9
	55-64 yrs	1371	5.7
	65-74 yrs	633	2.6
	75-84 yrs	367	1.5
	85+ yrs	171	0.7
	Total	23,920	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 04/08/2021 up to midnight on 17/08/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		23,920	100	
Symptom status at time of test*	Yes	16,944	70.8	80.9
	No	4,002	16.7	19.1
	Unknown	2,974	12.4	
	Total cases where known	20,946		
Healthcare worker	Yes	827	3.5	3.9
	No	20,395	85.3	96.1
	Unknown	2698	11.3	
	Total cases where known	21,222		

*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.

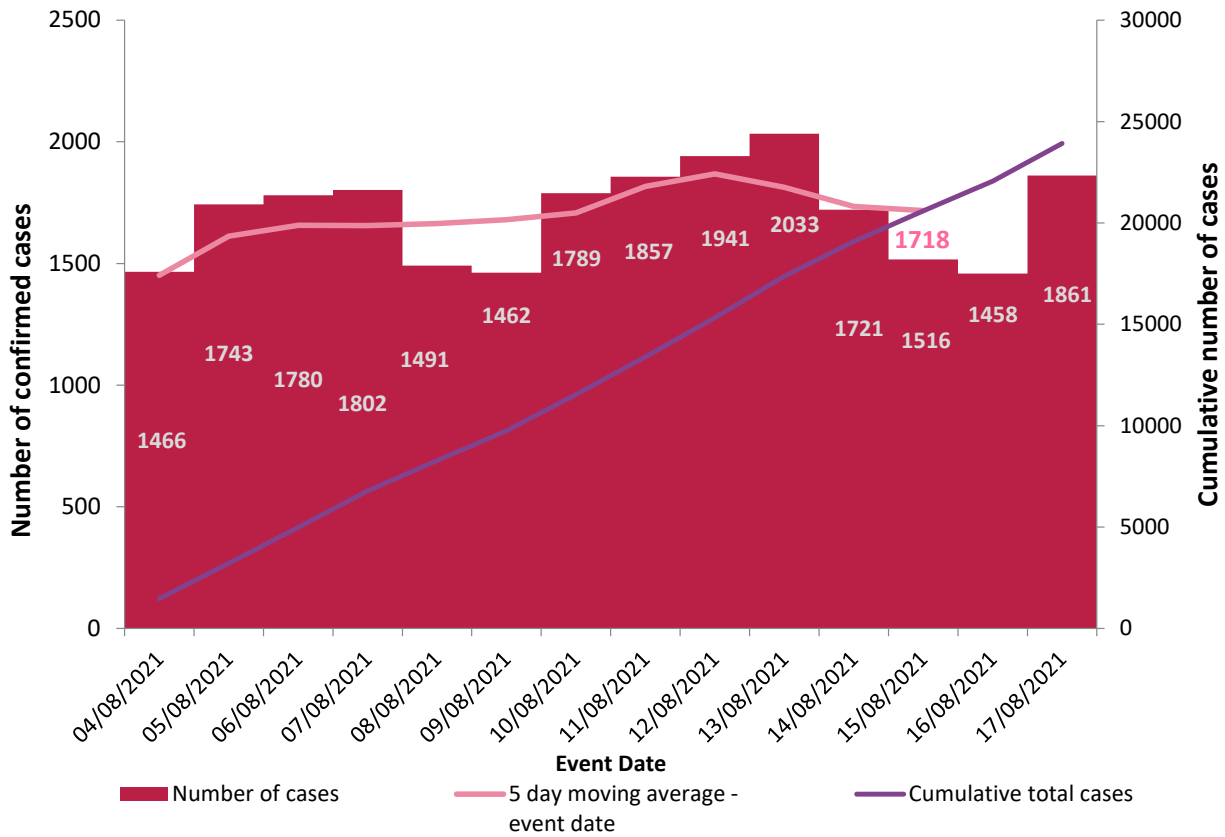


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=23920)

Following data validation, the daily case numbers over the bank holiday weekend have been updated

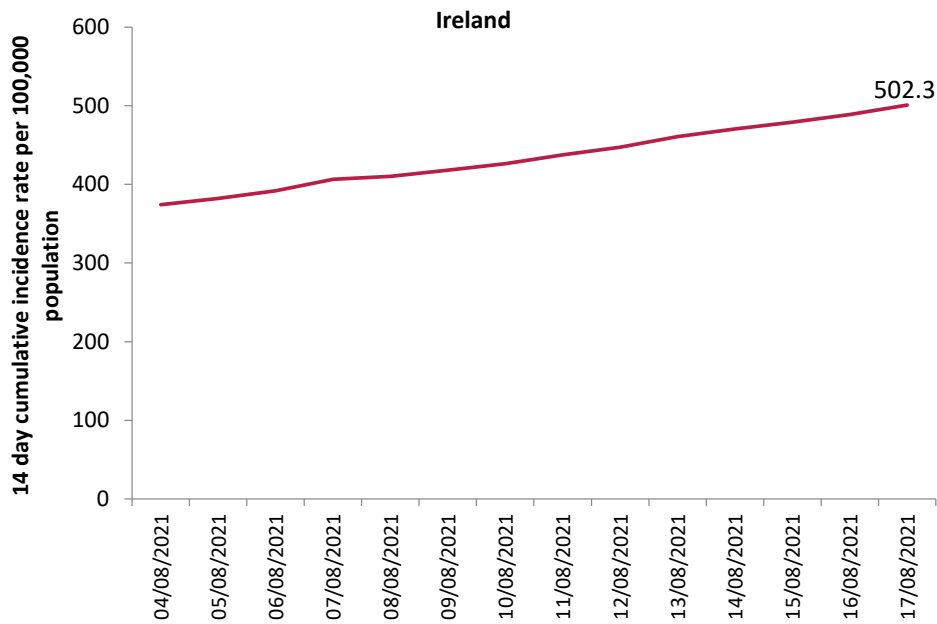


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 04/08/2021 up to midnight on 17/08/2021

*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 04/08/2021 up to midnight on 17/08/2021 7 day numbers are reported from 11/08/2021 up to midnight on 17/08/2021

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 (13/08/2021 - 17/08/2021)
Monaghan	461	751.0	781	1272.3	59.03	62
Cavan	454	596.0	733	962.2	61.94	67
Donegal	811	509.4	1650	1036.5	49.15	108
Roscommon	289	447.8	505	782.4	57.23	40
Louth	406	315.0	790	613.0	51.39	61
Mayo	403	308.8	895	685.8	45.03	53
Galway	762	295.3	1590	616.1	47.92	102
Westmeath	260	292.9	418	470.9	62.20	37
Sligo	189	288.4	388	592.1	48.71	26
Limerick	560	287.3	950	487.4	58.95	83
Kerry	409	276.9	701	474.6	58.35	58
Dublin	3,430	254.6	6949	515.7	49.36	470
Meath	482	247.1	905	464.0	53.26	67
Carlow	127	223.1	236	414.5	53.81	17
Tipperary	352	220.6	608	381.1	57.89	54
Offaly	160	205.2	324	415.6	49.38	21
Kildare	447	200.9	801	360.0	55.81	60
Laois	168	198.4	323	381.4	52.01	23
Waterford	221	190.2	405	348.6	54.57	31
Wicklow	263	184.7	563	395.3	46.71	39
Cork	988	182.0	1877	345.8	52.64	137
Wexford	264	176.3	564	376.7	46.81	32
Leitrim	53	165.4	121	377.6	43.80	7
Clare	195	164.1	365	307.2	53.42	31
Kilkenny	136	137.1	259	261.0	52.51	19
Longford	55	134.6	151	369.4	36.42	7
Unknown	42		68			
Total	12,387	260.1	23,920	502.3	51.79	1718

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 04/08/2021 up to midnight on 17/08/2021

Most likely transmission source	Number of cases	Percent
Travel related	963	4.0
Close contact with a known confirmed case	11,212	46.9
Healthcare setting acquired: patient	107	0.4
Healthcare setting acquired: staff	82	0.3
Community transmission	7,493	31.3
Under investigation	4,063	17.0
Total cases with known most likely transmission source	19,857	83.0
Total	23,920	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 04/08/2021 up to midnight on 17/08/2021

Date	Number of confirmed cases
04/08/2021	1466
05/08/2021	1743
06/08/2021	1780
07/08/2021	1802
08/08/2021	1491
09/08/2021	1462
10/08/2021	1789
11/08/2021	1857
12/08/2021	1941
13/08/2021	2033
14/08/2021	1721
15/08/2021	1516
16/08/2021	1458
17/08/2021	1861
Total	23,920

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 (04/08/2021 to 17/08/2021)

