

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

Report prepared by HPSC on 05/08/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 22/07/2021 up to midnight on 04/08/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	17,943	
National incidence of confirmed cases per 100,000 population	376.8	
Number of cases in healthcare workers	497	2.8
Males	9,302	51.8
Females	8,613	48.0
M:F ratio	1.1	
Median age (years)	23	
Mean age (years)	27	
Age range (years)	0-100	

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 22/07/2021 up to midnight on 04/08/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		17,943	100
Sex	Male	9,302	51.8
	Female	8,613	48.0
	Unknown	28	0.2
Age	Median age (years)	23	
	Mean age (years)	27	
	Age range (years)	0-100	
	0-4 yrs	792	4.4
	5-12 yrs	1284	7.2
	13-18 yrs	2995	16.7
	19-24 yrs	4509	25.1
	25-34 yrs	3900	21.7
	35-44 yrs	1906	10.6
	45-54 yrs	1175	6.5
	55-64 yrs	824	4.6
	65-74 yrs	354	2.0
	75-84 yrs	145	0.8
	85+ yrs	58	0.3
	Total	17,942	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 22/07/2021 up to midnight on 04/08/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		17,943	100	
Symptom status at time of test*	Yes	12,659	70.6	80.5
	No	3,073	17.1	19.5
	Unknown	2,211	12.3	
	Total cases where known	15,732		
Healthcare worker	Yes	497	2.8	3.1
	No	15,418	85.9	96.9
	Unknown	2028	11.3	
	Total cases where known	15,915		

*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.

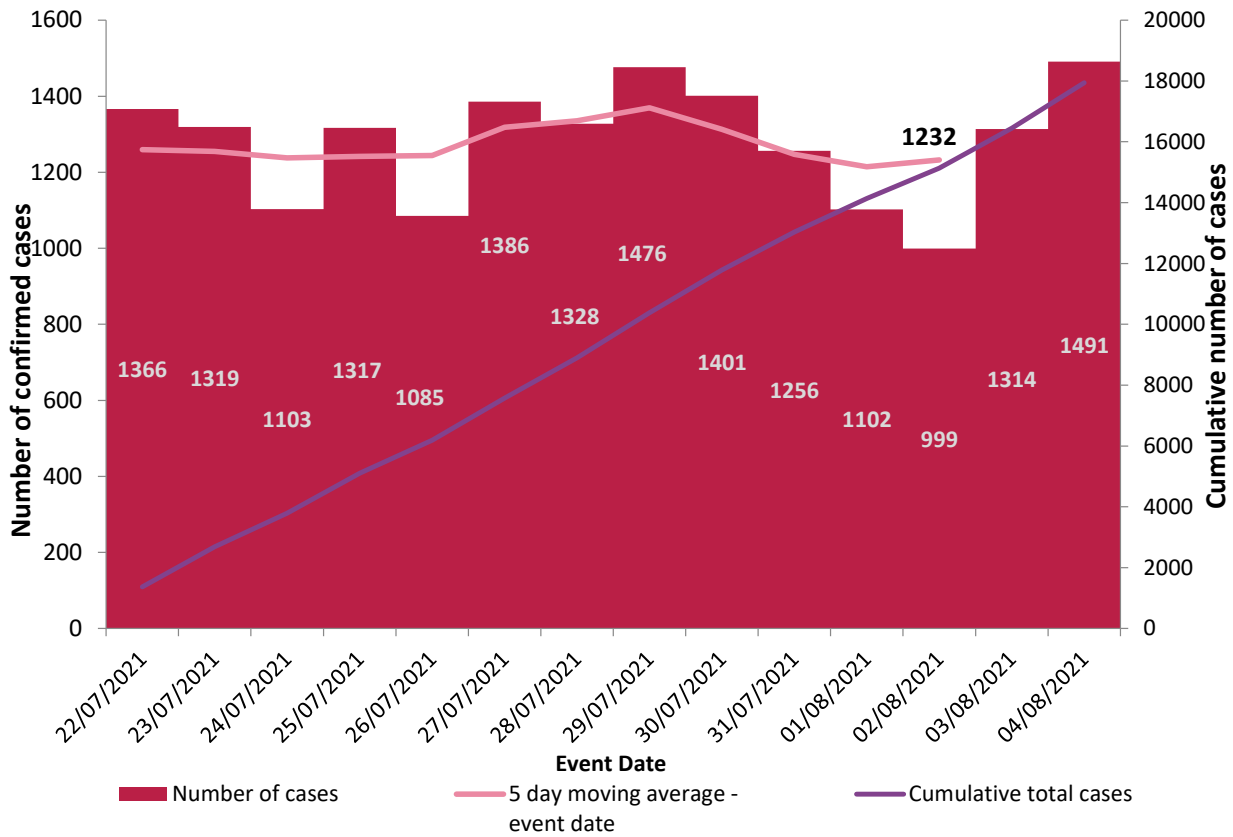


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=17943)

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

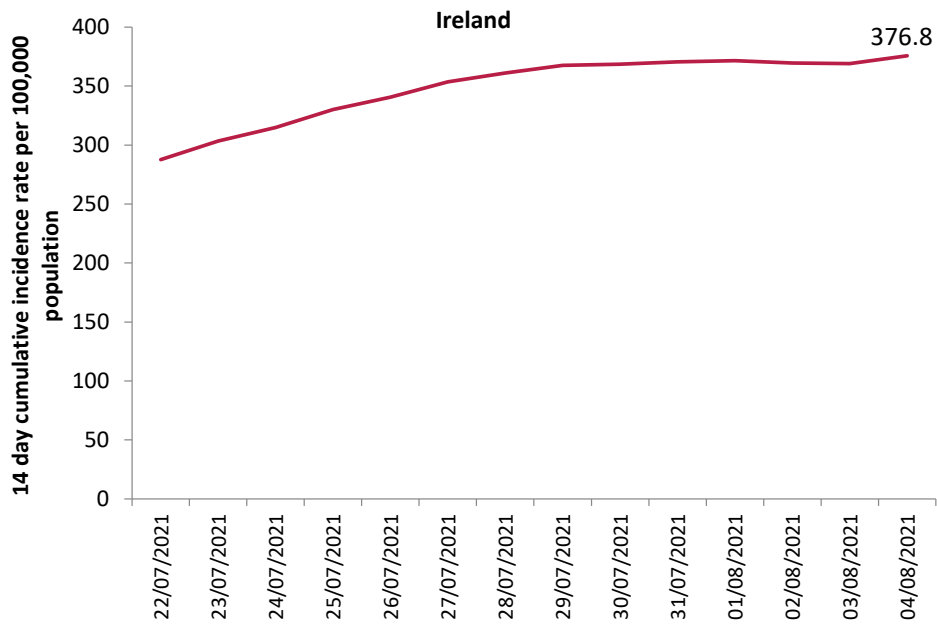


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 22/07/2021 up to midnight on 04/08/2021

*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 22/07/2021 up to midnight on 04/08/2021 7 day numbers are reported from 29/07/2021 up to midnight on 04/08/2021

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 (31/07/2021 - 04/08/2021)
Donegal	599	376.3	1222	767.6	49.02	75
Mayo	395	302.7	687	526.4	57.50	53
Louth	363	281.6	783	607.5	46.36	51
Galway	694	268.9	1419	549.9	48.91	97
Monaghan	135	219.9	325	529.4	41.54	19
Dublin	2,960	219.7	5652	419.5	52.37	402
Roscommon	136	210.7	252	390.4	53.97	19
Sligo	137	209.0	296	451.7	46.28	15
Kerry	291	197.0	562	380.5	51.78	40
Cavan	150	196.9	258	338.7	58.14	20
Wicklow	262	184.0	516	362.3	50.78	41
Limerick	344	176.5	713	365.8	48.25	44
Meath	343	175.9	737	377.9	46.54	47
Laois	142	167.7	350	413.2	40.57	21
Leitrim	49	152.9	131	408.8	37.40	5
Cork	765	140.9	1412	260.1	54.18	106
Westmeath	122	137.4	244	274.9	50.00	16
Longford	52	127.2	112	274.0	46.43	7
Kildare	268	120.4	557	250.3	48.11	37
Clare	143	120.4	262	220.5	54.58	21
Tipperary	182	114.1	393	246.3	46.31	23
Kilkenny	110	110.9	207	208.6	53.14	15
Wexford	160	106.9	326	217.7	49.08	24
Carlow	54	94.8	120	210.8	45.00	8
Offaly	67	85.9	160	205.2	41.88	11
Waterford	88	75.7	196	168.7	44.90	12
Unknown	27		51			
Total	9,038	189.8	17,943	376.8	50.37	1232

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 22/07/2021 up to midnight on 04/08/2021

Most likely transmission source	Number of cases	Percent
Travel related	761	4.2
Close contact with a known confirmed case	8,659	48.3
Healthcare setting acquired: patient	50	0.3
Healthcare setting acquired: staff	42	0.2
Community transmission	5,742	32.0
Under investigation	2,689	15.0
Total cases with known most likely transmission source	15,254	85.0
Total	17,943	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 22/07/2021 up to midnight on 04/08/2021

Date	Number of confirmed cases
22/07/2021	1366
23/07/2021	1319
24/07/2021	1103
25/07/2021	1317
26/07/2021	1085
27/07/2021	1386
28/07/2021	1328
29/07/2021	1476
30/07/2021	1401
31/07/2021	1256
01/08/2021	1102
02/08/2021	999
03/08/2021	1314
04/08/2021	1491
Total	17,943

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 (22/07/2021 to 04/08/2021)



