

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

Report prepared by HPSC on 17/08/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 03/08/2021 up to midnight on 16/08/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	23,487	
National incidence of confirmed cases per 100,000 population	493.2	
Number of cases in healthcare workers	827	3.5
Males	12,003	51.1
Females	11,452	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 03/08/2021 up to midnight on 16/08/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		23,487	100
Sex	Male	12,003	51.1
	Female	11,452	48.8
	Unknown	32	0.1
Age	Median age (years)	24	
	Mean age (years)	29	
	Age range (years)	0-102	
	0-4 yrs	1087	4.6
	5-12 yrs	2117	9.0
	13-18 yrs	4053	17.3
	19-24 yrs	4706	20.0
	25-34 yrs	4354	18.5
	35-44 yrs	2681	11.4
	45-54 yrs	2033	8.7
	55-64 yrs	1323	5.6
	65-74 yrs	613	2.6
	75-84 yrs	356	1.5
	85+ yrs	164	0.7
	Total	23,487	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 03/08/2021 up to midnight on 16/08/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		23,487	100	
Symptom status at time of test*	Yes	16,786	71.5	80.8
	No	3,982	17.0	19.2
	Unknown	2,719	11.6	
	Total cases where known	20,768		
Healthcare worker	Yes	827	3.5	3.9
	No	20,227	86.1	96.1
	Unknown	2433	10.4	
	Total cases where known	21,054		

*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.

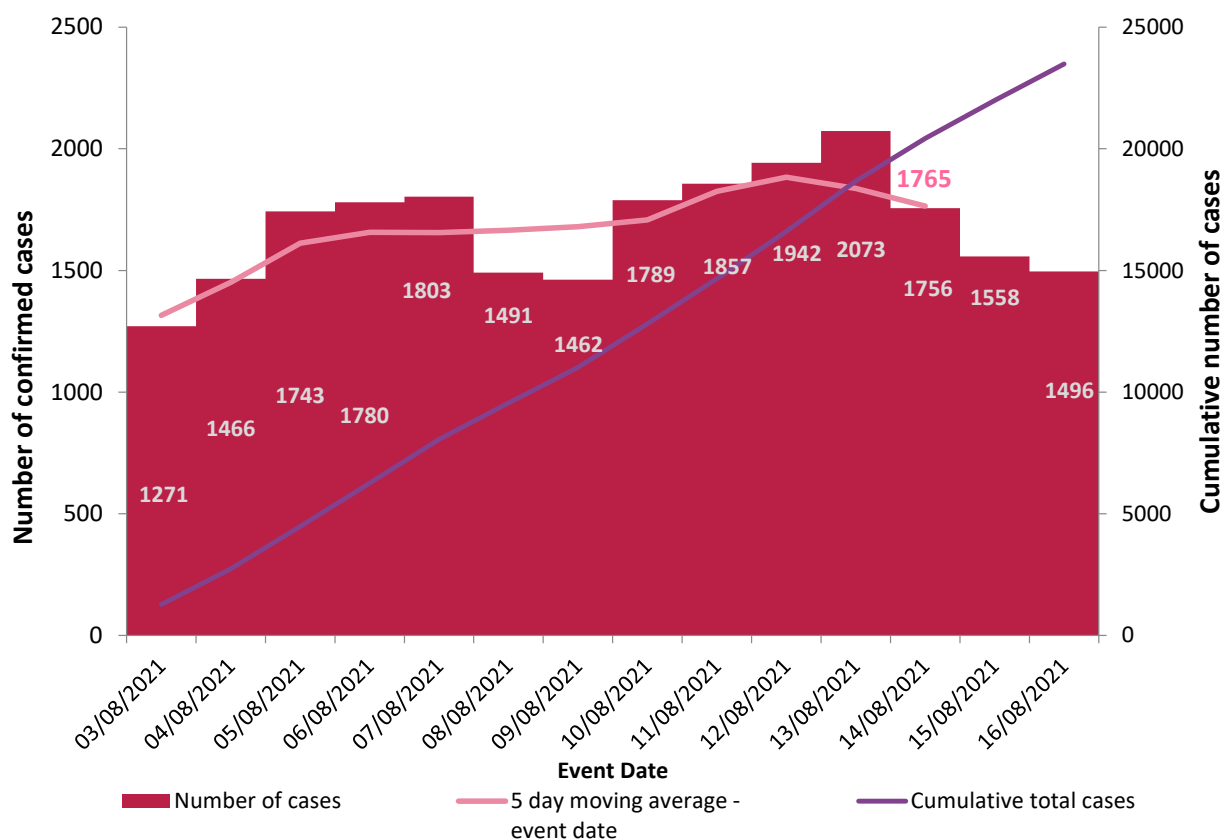


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=23487)

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

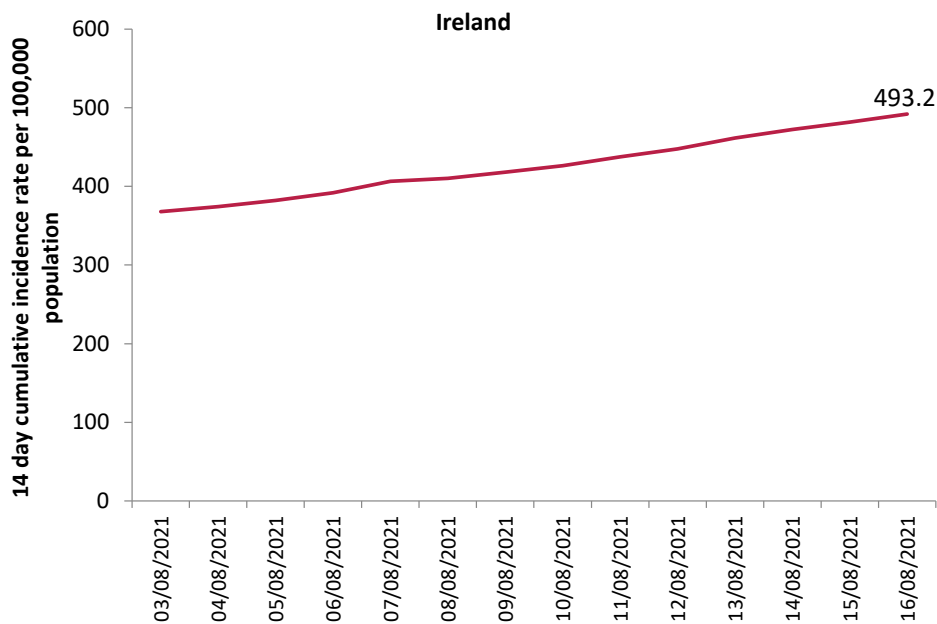


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 03/08/2021 up to midnight on 16/08/2021

*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 03/08/2021 up to midnight on 16/08/2021 7 day numbers are reported from 10/08/2021 up to midnight on 16/08/2021

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 (12/08/2021 - 16/08/2021)
Monaghan	461	751.0	737	1200.6	62.55	66
Cavan	452	593.4	712	934.7	63.48	69
Donegal	840	527.7	1604	1007.6	52.37	117
Roscommon	289	447.8	483	748.3	59.83	43
Mayo	431	330.3	893	684.3	48.26	56
Louth	405	314.2	780	605.2	51.92	62
Galway	809	313.5	1607	622.7	50.34	115
Sligo	199	303.7	378	576.8	52.65	29
Westmeath	256	288.4	410	461.9	62.44	39
Limerick	536	275.0	908	465.9	59.03	81
Kerry	391	264.7	683	462.4	57.25	60
Dublin	3,444	255.6	6870	509.9	50.13	462
Meath	486	249.2	891	456.8	54.55	71
Offaly	175	224.5	318	407.9	55.03	25
Tipperary	345	216.2	565	354.1	61.06	51
Carlow	120	210.8	229	402.2	52.40	17
Kildare	445	200.0	779	350.1	57.12	64
Wicklow	272	191.0	562	394.6	48.40	39
Waterford	221	190.2	382	328.8	57.85	31
Laois	161	190.1	309	364.8	52.10	22
Wexford	279	186.3	572	382.0	48.78	37
Cork	991	182.5	1880	346.3	52.71	141
Leitrim	52	162.3	118	368.2	44.07	8
Clare	176	148.1	351	295.4	50.14	27
Kilkenny	145	146.1	256	258.0	56.64	19
Longford	55	134.6	153	374.3	35.95	7
Unknown	35		57			
Total	12,471	261.9	23,487	493.2	53.10	1765

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 03/08/2021 up to midnight on 16/08/2021

Most likely transmission source	Number of cases	Percent
Travel related	956	4.1
Close contact with a known confirmed case	11,179	47.6
Healthcare setting acquired: patient	111	0.5
Healthcare setting acquired: staff	80	0.3
Community transmission	7,404	31.5
Under investigation	3,757	16.0
Total cases with known most likely transmission source	19,730	84.0
Total	23,487	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 03/08/2021 up to midnight on 16/08/2021

Date	Number of confirmed cases
03/08/2021	1271
04/08/2021	1466
05/08/2021	1743
06/08/2021	1780
07/08/2021	1803
08/08/2021	1491
09/08/2021	1462
10/08/2021	1789
11/08/2021	1857
12/08/2021	1942
13/08/2021	2073
14/08/2021	1756
15/08/2021	1558
16/08/2021	1496
Total	23,487

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 (03/08/2021 to 16/08/2021)

