

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

Report prepared by HPSC on 30/07/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 16/07/2021 up to midnight on 29/07/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	17,648	
National incidence of confirmed cases per 100,000 population	370.6	
Number of cases in healthcare workers	454	2.6
Males	9,314	52.8
Females	8,306	47.1
M:F ratio	1.1	
Median age (years)	23	
Mean age (years)	27	
Age range (years)	0-97	

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 16/07/2021 up to midnight on 29/07/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		17,648	100
Sex	Male	9,314	52.8
	Female	8,306	47.1
	Unknown	28	0.2
Age	Median age (years)	23	
	Mean age (years)	27	
	Age range (years)	0-94	
	0-4 yrs	724	4.1
	5-12 yrs	1145	6.5
	13-18 yrs	3033	17.2
	19-24 yrs	4720	26.7
	25-34 yrs	3811	21.6
	35-44 yrs	1833	10.4
	45-54 yrs	1089	6.2
	55-64 yrs	797	4.5
	65-74 yrs	330	1.9
	75-84 yrs	118	0.7
	85+ yrs	48	0.3
Total		17,648	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 16/07/2021 up to midnight on 29/07/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		17,648	100	
Symptom status at time of test*	Yes	12,575	71.3	79.4
	No	3,262	18.5	20.6
	Unknown	1,811	10.3	
	Total cases where known	15,837		
Healthcare worker	Yes	454	2.6	2.8
	No	15,584	88.3	97.2
	Unknown	1610	9.1	
	Total cases where known	16,038		

*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.

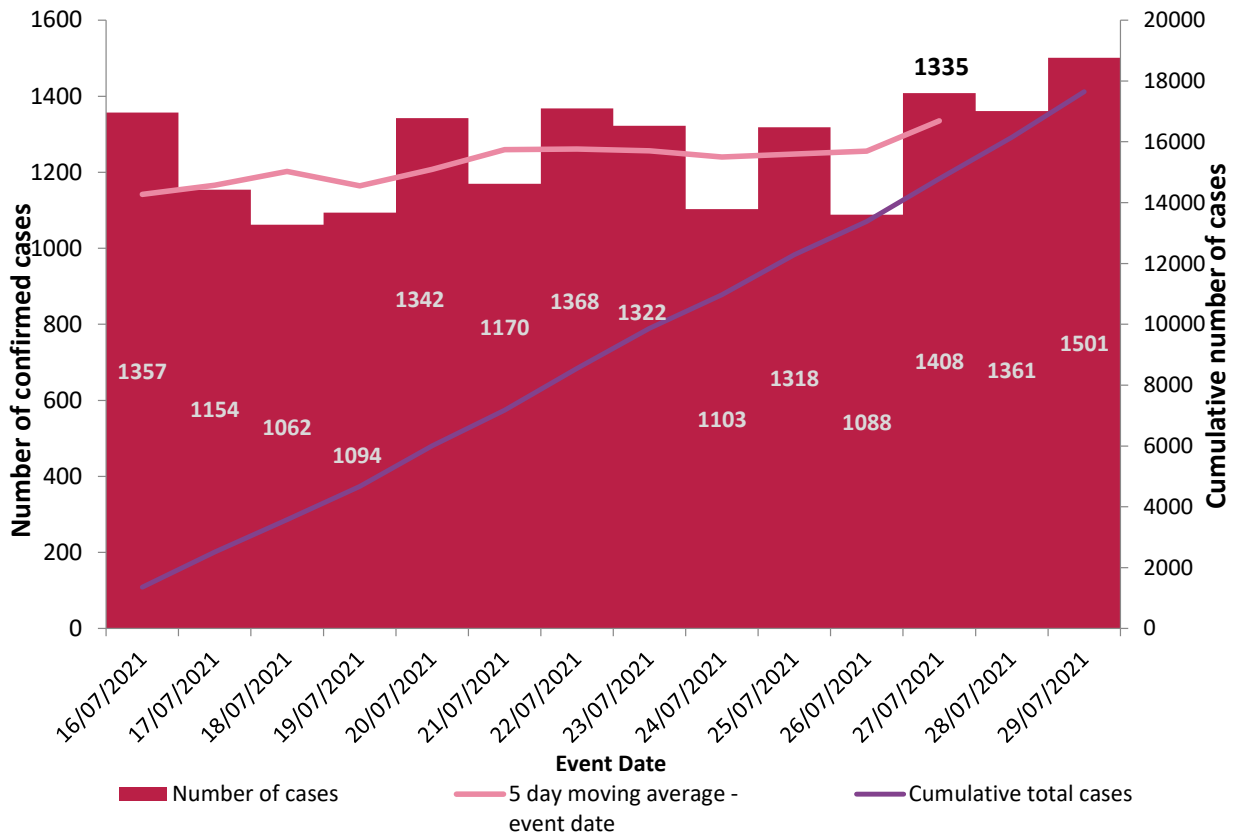


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=17648)

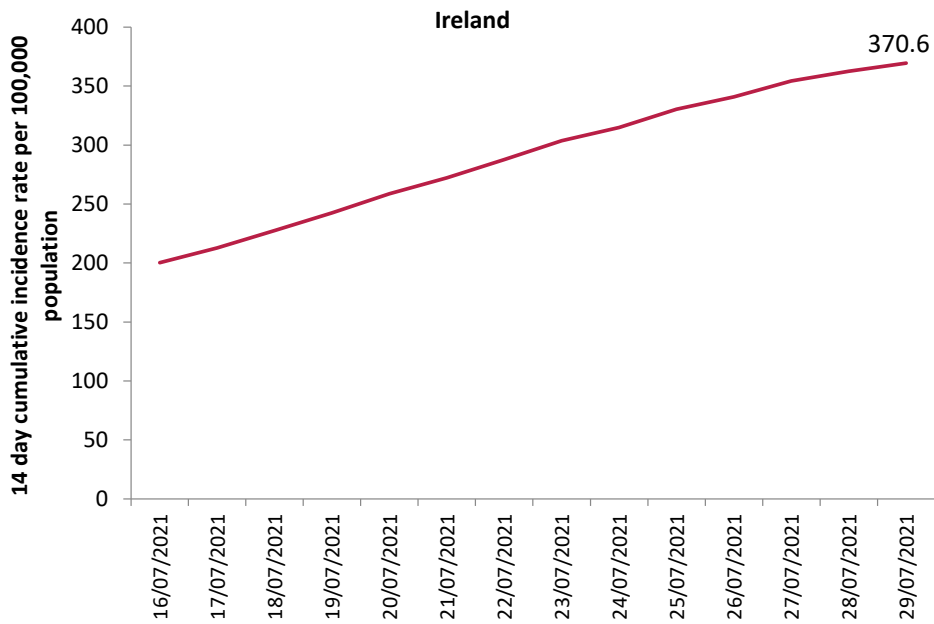


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 16/07/2021 up to midnight on 29/07/2021

*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 16/07/2021 up to midnight on 29/07/2021 7 day numbers are reported from 23/07/2021 up to midnight on 29/07/2021

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 (25/07/2021 - 29/07/2021)
Donegal	634	398.3	1522	956.1	41.66	89
Louth	429	332.9	793	615.3	54.10	70
Galway	726	281.3	1363	528.2	53.26	115
Monaghan	170	276.9	288	469.2	59.03	24
Mayo	334	255.9	574	439.8	58.19	53
Leitrim	81	252.8	133	415.1	60.90	10
Sligo	159	242.6	266	405.9	59.77	23
Laois	198	233.8	429	506.5	46.15	25
Limerick	417	214.0	667	342.2	62.52	62
Dublin	2,816	209.0	5544	411.5	50.79	412
Meath	391	200.5	735	376.8	53.20	58
Kerry	285	192.9	432	292.5	65.97	41
Roscommon	120	185.9	231	357.9	51.95	18
Wicklow	215	151.0	535	375.6	40.19	30
Westmeath	130	146.4	232	261.3	56.03	19
Cavan	110	144.4	235	308.5	46.81	16
Tipperary	226	141.6	370	231.9	61.08	33
Longford	57	139.5	107	261.8	53.27	9
Kildare	293	131.7	669	300.7	43.80	43
Cork	661	121.8	1253	230.8	52.75	89
Offaly	91	116.7	221	283.5	41.18	13
Carlow	61	107.1	155	272.3	39.35	9
Wexford	158	105.5	272	181.7	58.09	23
Waterford	119	102.4	227	195.4	52.42	19
Clare	109	91.7	194	163.3	56.19	17
Kilkenny	87	87.7	150	151.2	58.00	13
Unknown	24		51			
Total	9,101	191.1	17,648	370.6	51.57	1335

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 16/07/2021 up to midnight on 29/07/2021

Most likely transmission source	Number of cases	Percent
Travel related	804	4.6
Close contact with a known confirmed case	8,673	49.1
Healthcare setting acquired: patient	50	0.3
Healthcare setting acquired: staff	34	0.2
Community transmission	5,730	32.5
Under investigation	2,357	13.4
Total cases with known most likely transmission source	15,291	86.6
Total	17,648	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 16/07/2021 up to midnight on 29/07/2021

Date	Number of confirmed cases
16/07/2021	1357
17/07/2021	1154
18/07/2021	1062
19/07/2021	1094
20/07/2021	1342
21/07/2021	1170
22/07/2021	1368
23/07/2021	1322
24/07/2021	1103
25/07/2021	1318
26/07/2021	1088
27/07/2021	1408
28/07/2021	1361
29/07/2021	1501
Total	17,648

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 (16/07/2021 to 29/07/2021)

