

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

Report prepared by HPSC on 29/07/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 15/07/2021 up to midnight on 28/07/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	17,309	
National incidence of confirmed cases per 100,000 population	363.5	
Number of cases in healthcare workers	450	2.6
Males	9,154	52.9
Females	8,128	47.0
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 15/07/2021 up to midnight on 28/07/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		17,309	100
Sex	Male	9,154	52.9
	Female	8,128	47.0
	Unknown	27	0.2
Age	Median age (years)	23	
	Mean age (years)	27	
	Age range (years)	0-94	
	0-4 yrs	712	4.1
	5-12 yrs	1101	6.4
	13-18 yrs	2985	17.2
	19-24 yrs	4680	27.0
	25-34 yrs	3713	21.5
	35-44 yrs	1793	10.4
	45-54 yrs	1059	6.1
	55-64 yrs	788	4.6
	65-74 yrs	325	1.9
	75-84 yrs	108	0.6
	85+ yrs	45	0.3
	Total	17,309	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 15/07/2021 up to midnight on 28/07/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		17,309	100	
Symptom status at time of test*	Yes	12,489	72.2	79.4
	No	3,234	18.7	20.6
	Unknown	1,586	9.2	
	Total cases where known	15,723		
Healthcare worker	Yes	450	2.6	2.8
	No	15,462	89.3	97.2
	Unknown	1397	8.1	
	Total cases where known	15,912		

*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.

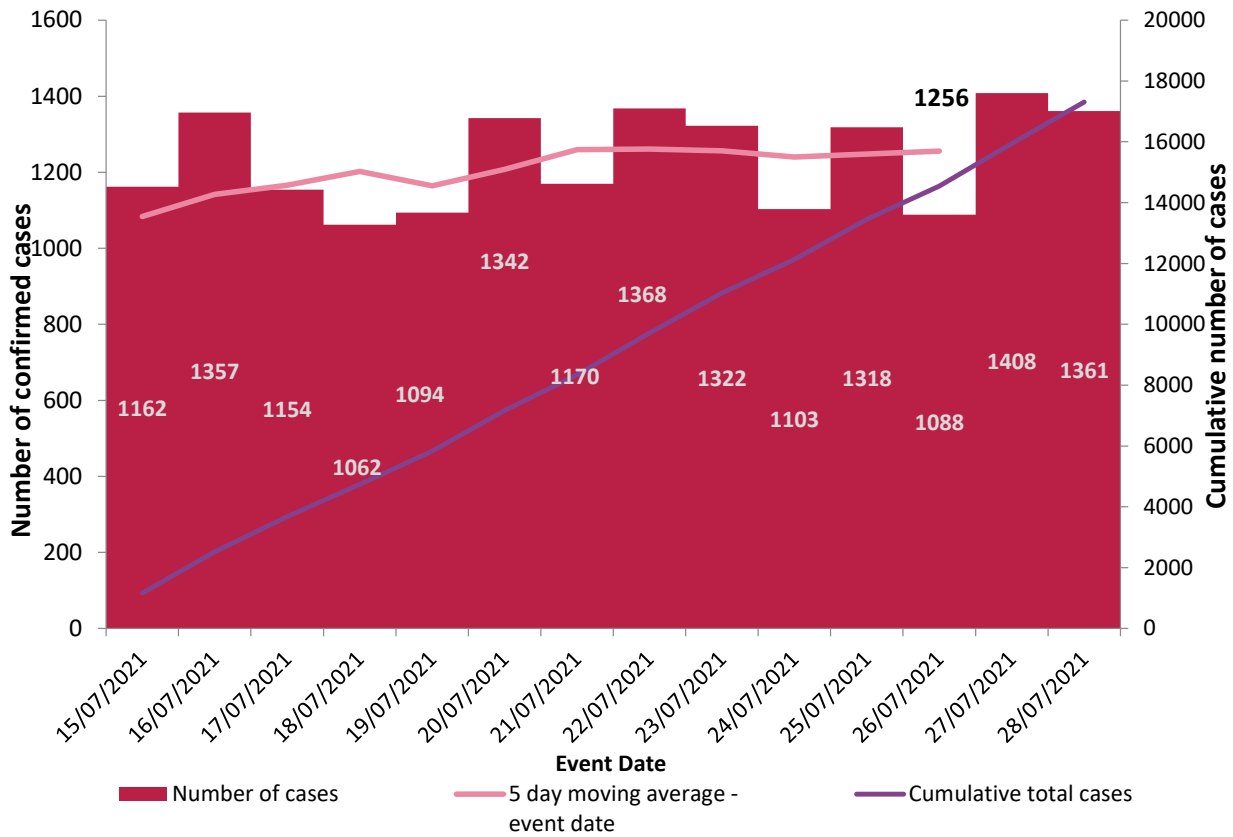


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=17309)

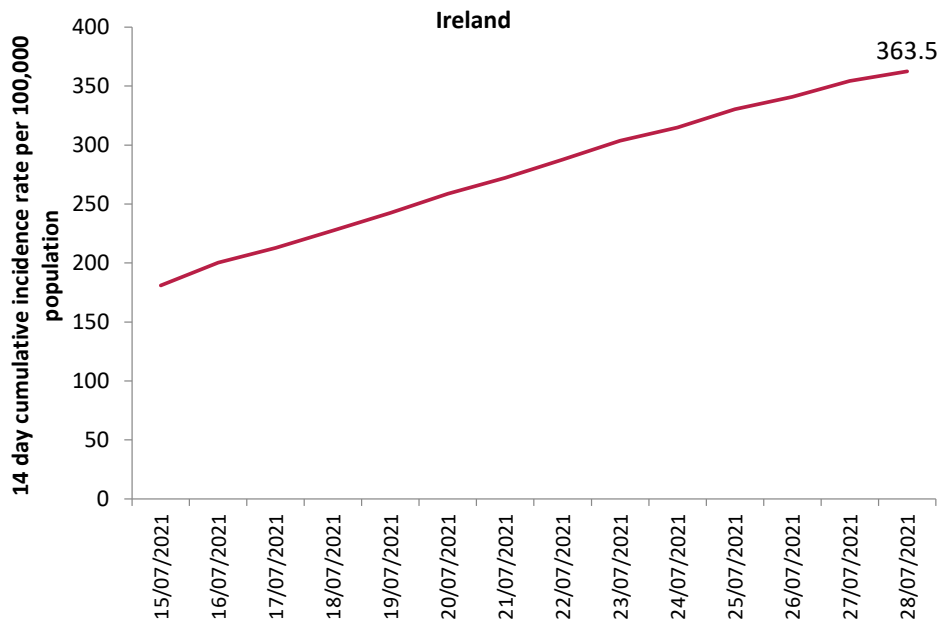


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 15/07/2021 up to midnight on 28/07/2021

*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 15/07/2021 up to midnight on 28/07/2021 7 day numbers are reported from 22/07/2021 up to midnight on 28/07/2021

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 (24/07/2021 - 28/07/2021)
Donegal	624	392.0	1518	953.6	41.11	78
Louth	430	333.6	816	633.1	52.70	63
Monaghan	190	309.5	272	443.1	69.85	27
Galway	727	281.7	1331	515.8	54.62	103
Leitrim	83	259.0	132	411.9	62.88	11
Laois	214	252.7	420	495.9	50.95	28
Sligo	160	244.1	258	393.7	62.02	21
Mayo	292	223.7	506	387.7	57.71	42
Meath	397	203.5	735	376.8	54.01	58
Dublin	2,716	201.6	5471	406.1	49.64	385
Limerick	384	197.0	648	332.5	59.26	61
Roscommon	122	189.0	247	382.7	49.39	18
Kerry	269	182.1	422	285.7	63.74	42
Wicklow	255	179.0	526	369.3	48.48	30
Longford	60	146.8	100	244.7	60.00	8
Cavan	107	140.5	228	299.3	46.93	15
Westmeath	121	136.3	226	254.6	53.54	17
Kildare	294	132.1	663	298.0	44.34	41
Tipperary	207	129.7	356	223.1	58.15	31
Cork	651	119.9	1183	217.9	55.03	87
Carlow	67	117.7	157	275.8	42.68	9
Offaly	91	116.7	222	284.8	40.99	13
Wexford	168	112.2	257	171.7	65.37	22
Waterford	130	111.9	229	197.1	56.77	18
Clare	104	87.5	194	163.3	53.61	15
Kilkenny	81	81.6	143	144.1	56.64	13
Unknown	24		49			
Total	8,968	188.3	17,309	363.5		1256

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 15/07/2021 up to midnight on 28/07/2021

Most likely transmission source	Number of cases	Percent
Travel related	831	4.8
Close contact with a known confirmed case	8,645	49.9
Healthcare setting acquired: patient	49	0.3
Healthcare setting acquired: staff	34	0.2
Community transmission	5,632	32.5
Under investigation	2,118	12.2
Total cases with known most likely transmission source	15,191	87.8
Total	17,309	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 15/07/2021 up to midnight on 28/07/2021

Date	Number of confirmed cases
15/07/2021	1162
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
Total	17,309

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 (15/07/2021 to 28/07/2021)

