

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

Report prepared by HPSC on 28/07/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from 14/07/2021 up to midnight on 27/07/2021

	Number	Percent
Total number of confirmed cases on COVID CCT	16,922	
National incidence of confirmed cases per 100,000 population	355.4	
Number of cases in healthcare workers	441	2.6
Males	8,918	52.7
Females	7,982	47.2
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 14/07/2021 up to midnight on 27/07/2021

Characteristic		Number of cases	Percent
Total number of confirmed cases		16,922	100
Sex	Male	8,918	52.7
	Female	7,982	47.2
	Unknown	22	0.1
Age	Median age (years)	23	
	Mean age (years)	27	
	Age range (years)	0-94	
	0-4 yrs	715	4.2
	5-12 yrs	1065	6.3
	13-18 yrs	2920	17.3
	19-24 yrs	4571	27.0
	25-34 yrs	3600	21.3
	35-44 yrs	1786	10.6
	45-54 yrs	1023	6.0
	55-64 yrs	769	4.5
	65-74 yrs	323	1.9
	75-84 yrs	109	0.6
	85+ yrs	41	0.2
	Total	16,922	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from 14/07/2021 up to midnight on 27/07/2021

Characteristic		Number of cases	Percent	Percent where known
Total number of confirmed cases		16,922	100	
Symptom status at time of test*	Yes	12,121	71.6	79.7
	No	3,091	18.3	20.3
	Unknown	1,710	10.1	
	Total cases where known	15,212		
Healthcare worker	Yes	441	2.6	2.9
	No	14,952	88.4	97.1
	Unknown	1529	9.0	
	Total cases where known	15,393		

*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.

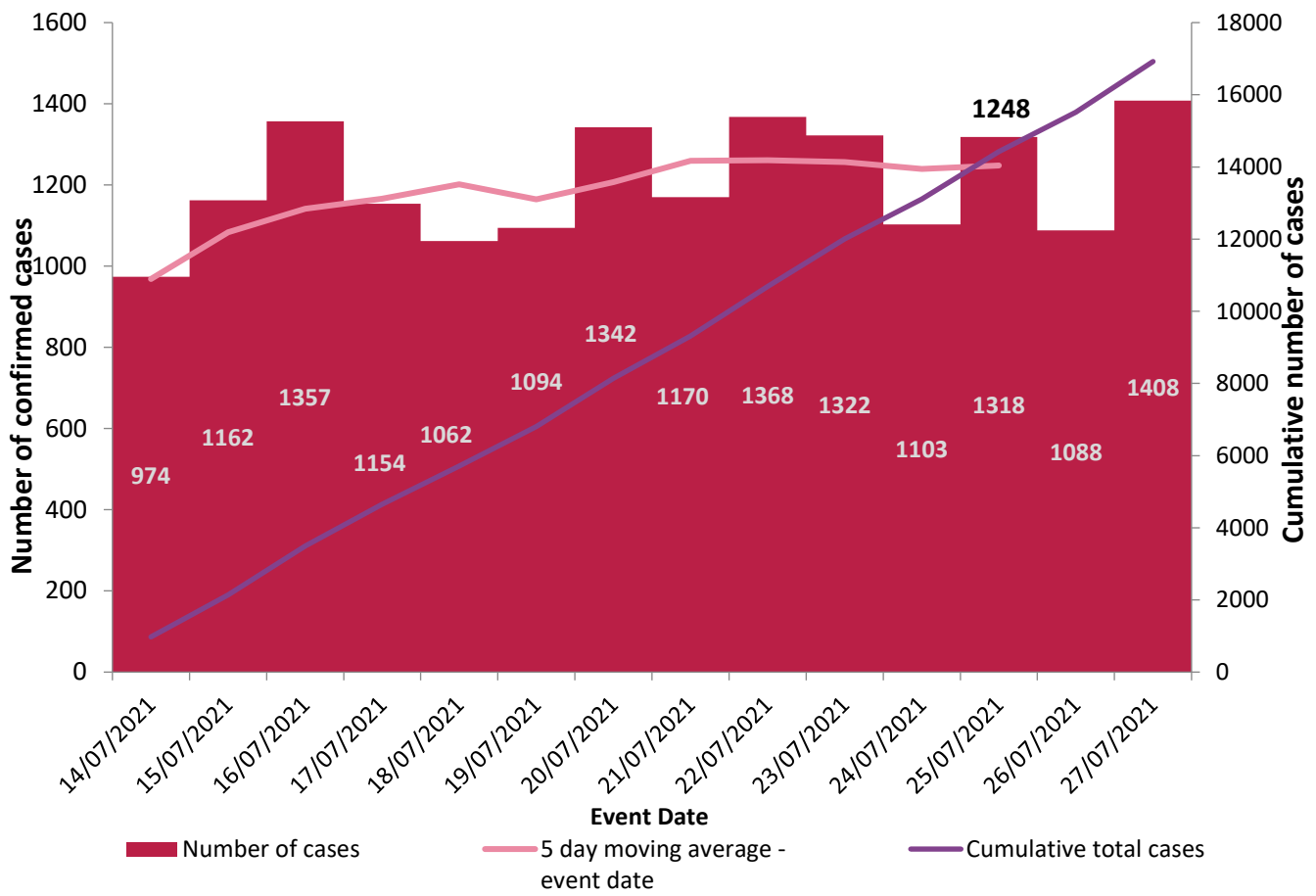


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=16922)

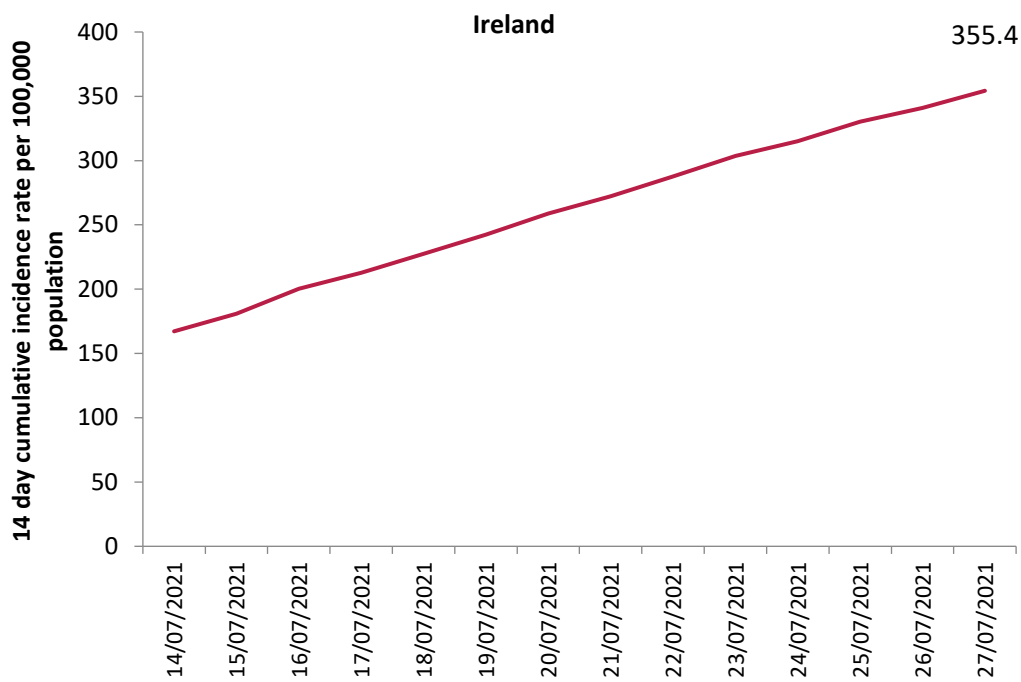


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from 14/07/2021 up to midnight on 27/07/2021

*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 14/07/2021 up to midnight on 27/07/2021 7 day numbers are reported from 21/07/2021 up to midnight on 27/07/2021

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 (23/07/2021 - 27/07/2021)
Donegal	700	439.7	1548	972.4	45.22	85
Louth	415	322.0	820	636.2	50.61	63
Monaghan	175	285.1	264	430.1	66.29	25
Laois	230	271.6	414	488.8	55.56	30
Leitrim	85	265.3	126	393.2	67.46	13
Galway	639	247.6	1187	460.0	53.83	93
Sligo	152	231.9	244	372.3	62.30	22
Mayo	274	210.0	470	360.1	58.30	41
Dublin	2,681	199.0	5432	403.2	49.36	380
Meath	386	197.9	721	369.7	53.54	55
Wicklow	261	183.3	532	373.5	49.06	29
Roscommon	114	176.6	233	361.0	48.93	17
Limerick	328	168.3	605	310.4	54.21	57
Longford	65	159.0	101	247.1	64.36	8
Kerry	232	157.1	402	272.2	57.71	41
Westmeath	120	135.2	221	249.0	54.30	18
Kildare	300	134.8	654	293.9	45.87	40
Cavan	102	133.9	228	299.3	44.74	15
Cork	679	125.1	1163	214.2	58.38	92
Carlow	71	124.7	163	286.3	43.56	9
Tipperary	195	122.2	328	205.6	59.45	31
Offaly	95	121.9	231	296.3	41.13	15
Waterford	134	115.3	221	190.2	60.63	19
Wexford	150	100.2	239	159.6	62.76	20
Kilkenny	80	80.6	140	141.1	57.14	12
Clare	91	76.6	185	155.7	49.19	14
Unknown/Other*	23		50			
Total	8,777	184.3	16,922	355.4		1248

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from 14/07/2021 up to midnight on 27/07/2021

Most likely transmission source	Number of cases	Percent
Travel related	841	5.0
Close contact with a known confirmed case	8,409	49.7
Healthcare setting acquired: patient	48	0.3
Healthcare setting acquired: staff	30	0.2
Community transmission	5,398	31.9
Under investigation	2,196	13.0
Total cases with known most likely transmission source	14,726	87.0
Total	16,922	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 14/07/2021 up to midnight on 27/07/2021

Date	Number of confirmed cases
14/07/2021	974
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
Total	16,922

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 (14/07/2021 to 27/07/2021)

