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

Report prepared by HPSC on   14/06/2021

Summary characteristics of confirmed COVID-19 cases uploaded to the COVID Care Tracker (CCT) from (31/05/2021 up to midnight on 13/06/2021)

	Number	Percent
Total number of confirmed cases on COVID CCT	4,989	
National incidence of confirmed cases per 100,000 population	104.8	
Number of cases in healthcare workers	131	2.6
Males	2,534	50.8
Females	2,437	48.8
M:F ratio	1.0	
Median age (years)	25	
Mean age (years)	28	
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 (31/05/2021 up to midnight on 13/06/2021)

Characteristic		Number of cases	Percent
Total number of confirmed cases		4,989	**100**
Sex	Male	2,534	50.8
	Female	2,437	48.8
	Unknown	18	0.4
Age	Median age (years)	25	
	Mean age (years)	28	
	Age range (years)	0 - 100	
	0-4 yrs	303	6.1
	5-12 yrs	733	14.7
	13-18 yrs	463	9.3
	19-24 yrs	984	19.7
	25-34 yrs	818	16.4
	35-44 yrs	863	17.3
	45-54 yrs	516	10.3
	55-64 yrs	213	4.3
	65-74 yrs	64	1.3
	75-84 yrs	17	0.3
	85+ yrs	15	0.3
	Total	4,989	

Table 2: Characteristics of confirmed COVID-19 cases in Ireland uploaded to the COVID Care Tracker from (31/05/2021 up to midnight on 13/06/2021)

Characteristic		Number of cases	Percent	Percent where known
Total number of cases		**4,989**	**100**	
Symptom status at time of test*	Yes	3,076	61.7	68.3
	No	1,426	28.6	31.7
	Unknown	487	9.8	
	Total cases where known	**4,502**		
Healthcare worker	Yes	131	2.6	2.8
	No	4,579	91.8	97.2
	Unknown	279	5.6	
	Total cases where known	**4,710**		

*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.
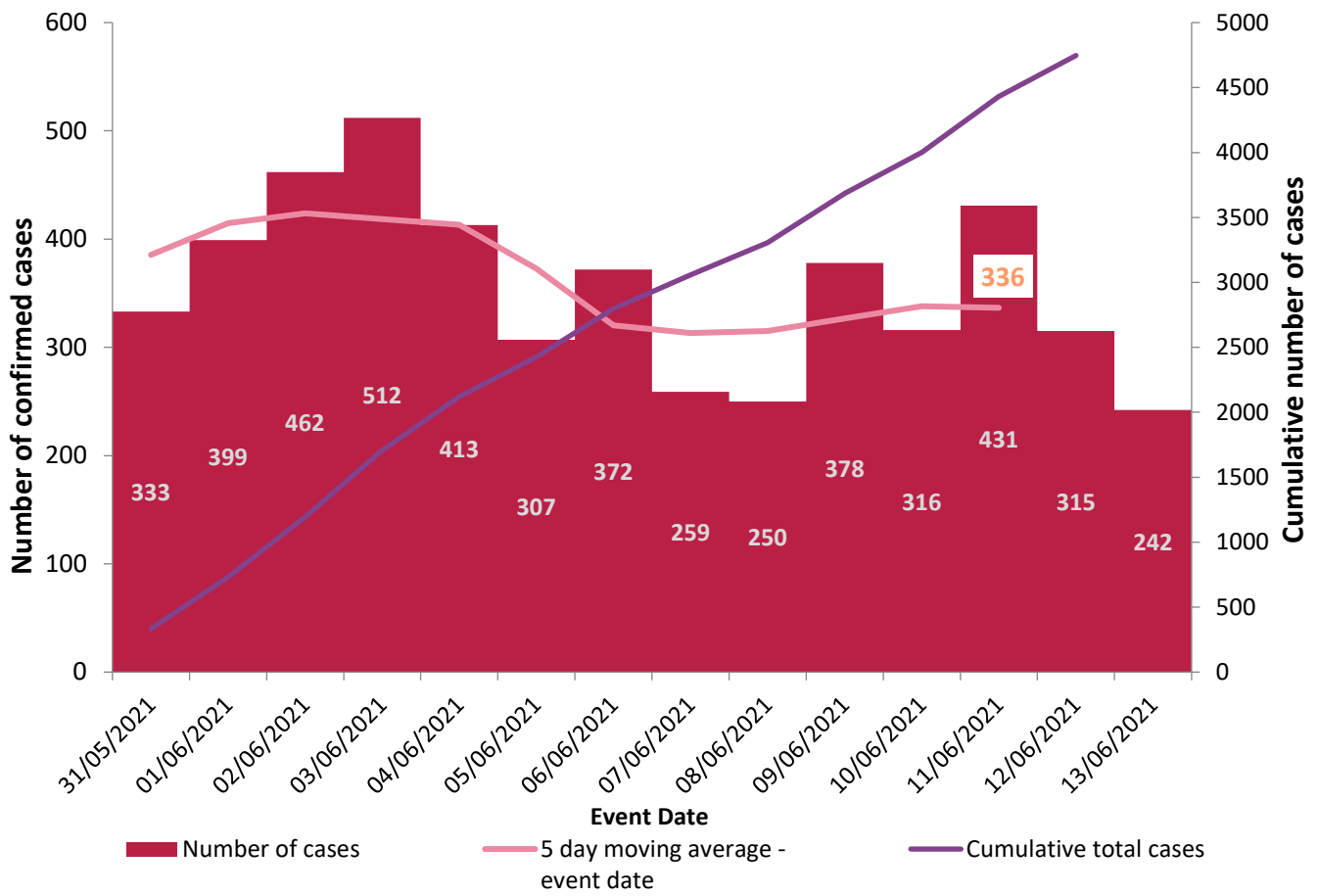
Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by date uploaded to the COVID Care Tracker (n=4989)
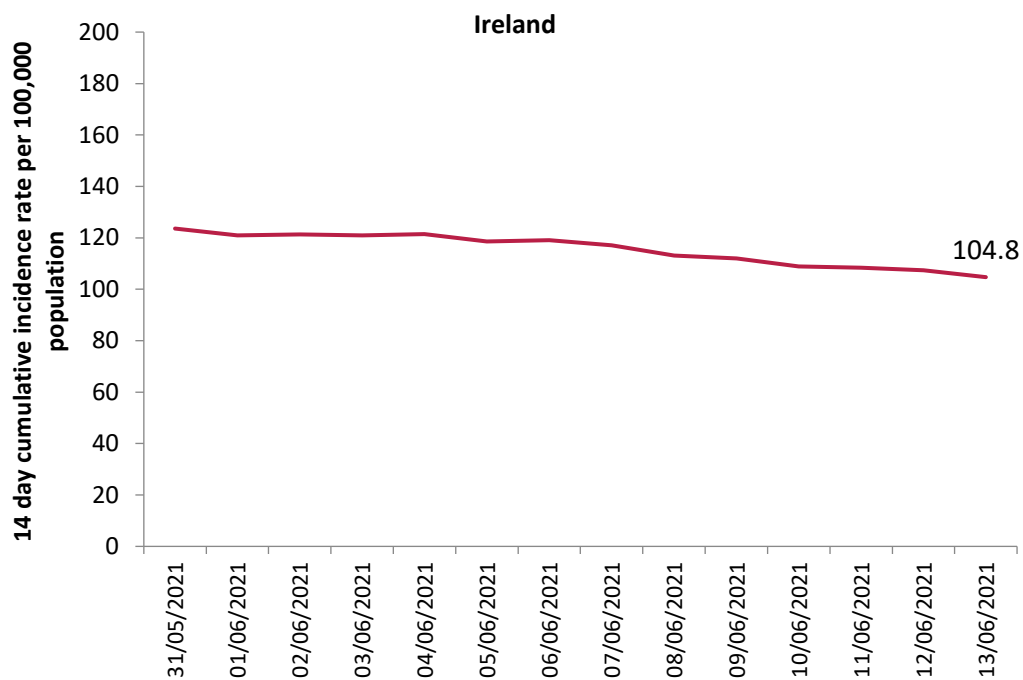
Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 in Ireland from (31/05/2021 up to midnight on 13/06/2021)

*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 (31/05/2021 up to midnight on 13/06/2021)

County	Number of confirmed cases	Incidence per 100,000 population	5 day moving average of confirmed cases (09/06/2021 - 13/06/2021)
Limerick	815	418.2	61
Carlow	98	172.1	4
Donegal	266	167.1	21
Westmeath	123	138.6	7
Dublin	1,540	114.3	95
Cavan	84	110.3	4
Waterford	112	96.4	7
Clare	113	95.1	7
Louth	121	93.9	5
Wexford	131	87.5	4
Tipperary	135	84.6	9
Cork	455	83.8	37
Roscommon	54	83.7	5
Laois	69	81.5	4
Kildare	181	81.3	14
Meath	147	75.4	14
Galway	189	73.2	20
Offaly	55	70.5	3
Wicklow	100	70.2	7
Mayo	69	52.9	2
Longford	18	44.0	2
Kerry	55	37.2	2
Kilkenny	33	33.3	3
Leitrim	7	21.8	1
Monaghan	11	17.9	1
Sligo	6	9.2	0
Unknown/Other*	2		
Total	**4,989**	**104.8**	**336**

Table 4: Number of confirmed COVID-19 cases by most likely transmission source uploaded to the COVID Care Tracker from (31/05/2021 up to midnight on 13/06/2021)

Most likely transmission source	Number of cases	Percent
Travel related	173	3.5
Close contact with a known confirmed case	3408	68.3
Healthcare setting acquired: patient	10	0.2
Healthcare setting acquired: staff	10	0.2
Community transmission	1062	21.3
Under investigation	326	6.5
Total cases with known most likely transmission source	**4,663**	**93.5**
Total	**4,989**	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 (31/05/2021 up to midnight on 13/06/2021)

Date	Number of confirmed cases
31/05/2021	333
01/06/2021	399
02/06/2021	462
03/06/2021	512
04/06/2021	413
05/06/2021	307
06/06/2021	372
07/06/2021	259
08/06/2021	250
09/06/2021	378
10/06/2021	316
11/06/2021	431
12/06/2021	315
13/06/2021	242
Total	**4,989**

Acknowledgements

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 (31/05/2021 to 13/06/2021)

Galway

73.2

Kerry

37.2

Kildare

81.3

Kilkenny

33.3

Laois

81.5

Leitrim

21.8

Limerick

418.2

Longford

44

Louth

93.9

Mayo

52.9

Meath

75.4

Monaghan

17.9

Offaly

70.5

Roscommon

83.7

Sligo

9.2

Tipperary

84.6

Report prepared by Health Protection Surveillance Centre on 14/06/2021

Waterford

96.4

Westmeath

138.6

Wexford

87.5

Wicklow

70.2