



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 07/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 7th April 2020 11:25 for events created on CIDR up to midnight Sunday 5th April 2020.

Characteristic	Number	%
Total number of confirmed cases	5593	
Number of new cases April 5th	677	12.1
Total number hospitalised	1345	24.0
Total number admitted to ICU*	194	3.5
Total number of deaths	204	3.6
Total number of outbreaks/clusters	270	-
Total number cases associated with clusters	1103	19.7
Total number of imported cases	327	5.8
Number of cases in Healthcare workers	1388	24.8
Median age (years)	48	-
Age range (years)	0 - 99	-

*Total COVID-19 admissions to ICU **before midnight April 5th 2020**

Confirmed cases

In total, 5,593 confirmed cases of COVID-19 were notified in Ireland **before midnight April 5th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

Two hundred and seventy outbreaks/clusters of COVID-19 were notified on CIDR **before midnight April 5th 2020**.

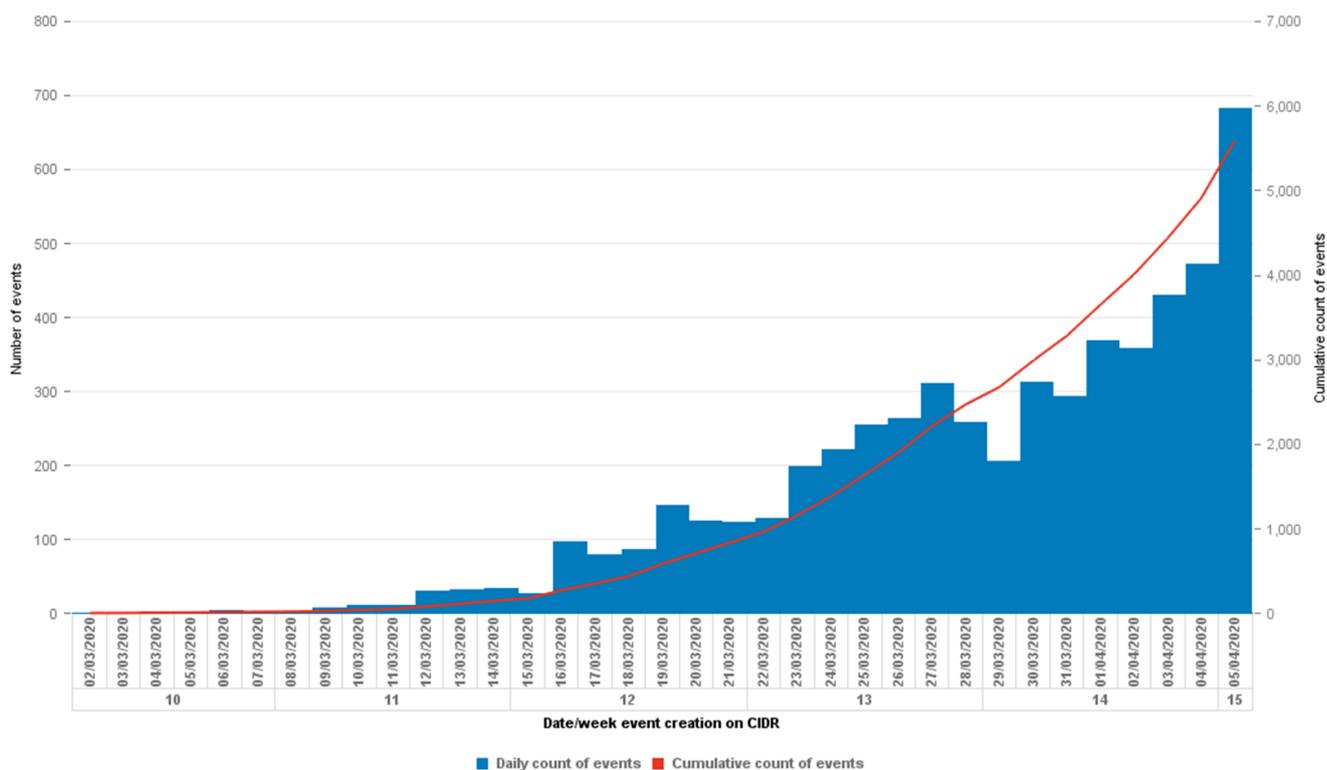


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 5th 2020

Data source: CIDR as of 07/04/2020 11:25

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 5th 2020, Ireland

Characteristic	Number of cases	%
Total	5593	100
Sex		
Female	2946	52.7
Male	2594	46.4
Unknown	53	0.9
Age group (years)		
<1	12	0.2
1-4	18	0.3
5-14	39	0.7
15-24	347	6.2
25-34	948	16.9
35-44	1044	18.7
45-54	1048	18.7
55-64	794	14.2
65+	1326	23.7
Unknown	17	0.3
HSE area		
HSE East	3432	61.4
HSE Midlands	250	4.5
HSE Mid-West	303	5.4
HSE North-East	434	7.8
HSE North-West	160	2.9
HSE South-East	200	3.6
HSE South	538	9.6
HSE West	276	4.9

Data source: CIDR as of 07/04/2020 11:25

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 5th 2020, Ireland

Country of infection	Number of cases	%
Algeria	1	0
Andorra	4	0.1
Argentina	1	0
Austria	54	1
Brazil	1	0
Bulgaria	3	0.1
Czech Republic	1	0
Denmark	2	0
Ecuador	1	0
Finland	1	0
France	24	0.4
Germany	4	0.1
Hungary	1	0
Indonesia	1	0
Ireland	3594	64.3
Isle of Man	1	0
Italy	61	1.1
Japan	1	0
Kazakhstan	1	0
Netherlands	5	0.1
Philippines	3	0.1
Poland	1	0
Portugal	2	0
Singapore	2	0
Spain	35	0.6
Sri Lanka	1	0
Sweden	1	0
Switzerland	7	0.1
Thailand	1	0
United kingdom	92	1.6
United states	14	0.3
Unknown	1672	29.9
Total	5593	100

Data source: CIDR as of 07/04/2020 11:25

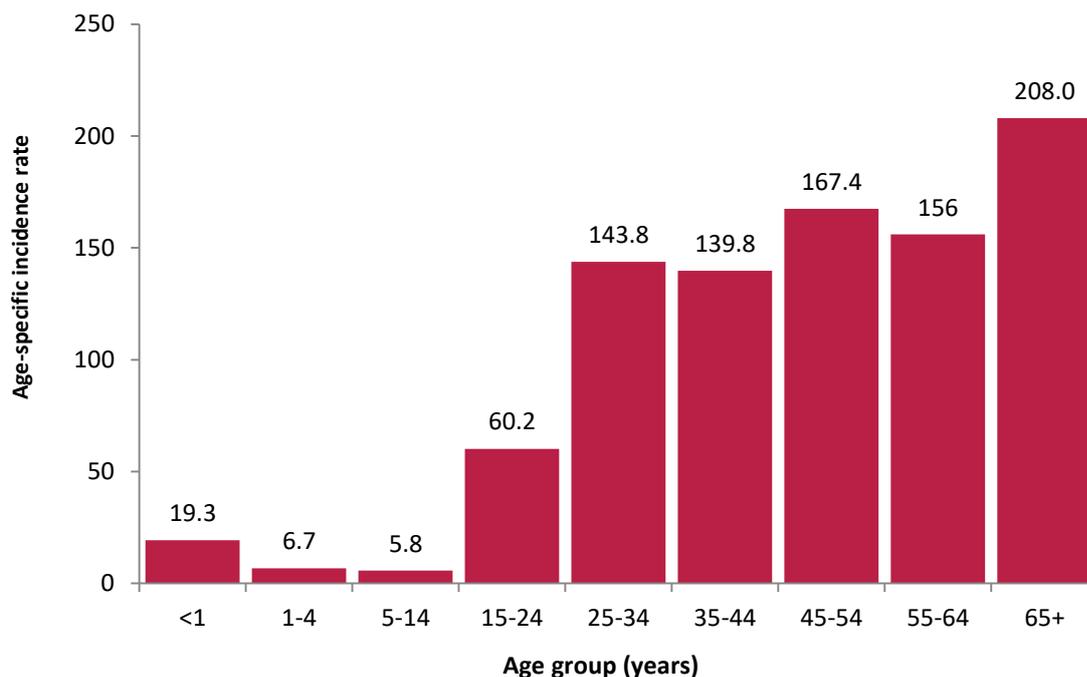


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 5th 2020, Ireland

Data source: CIDR as of 07/04/2020 11:25, rates are calculated using the 2016 census (www.cso.ie)

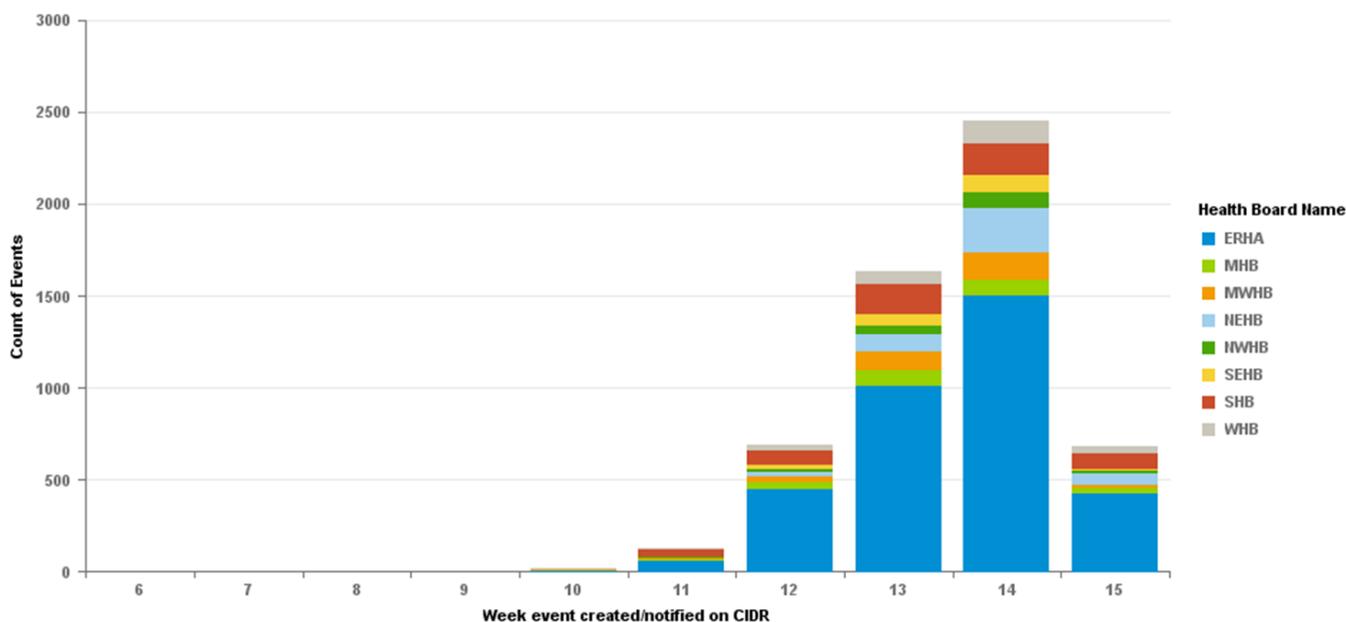


Figure 3: Confirmed cases of COVID-19 notified to midnight April 5th 2020, by HSE Area and week of notification

Data source: CIDR as of 07/04/2020 11:25

Note: Data are provisional

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 5th 2020 by county

County Name	Number of cases	%
Carlow	12	0.2
Cavan	123	2.2
Clare	65	1.2
Cork	421	7.5
Donegal	114	2.0
Dublin	3061	54.7
Galway	128	2.3
Kerry	117	2.1
Kildare	200	3.6
Kilkenny	79	1.4
Laois	31	0.6
Leitrim	18	0.3
Limerick	143	2.6
Longford	25	0.4
Louth	85	1.5
Mayo	126	2.3
Meath	168	3.0
Monaghan	58	1.0
Offaly	73	1.3
Roscommon	22	0.4
Sligo	28	0.5
Tipperary	133	2.4
Waterford	49	0.9
Westmeath	121	2.2
Wexford	22	0.4
Wicklow	171	3.1
Total	5593	100

Data source: CIDR as of 07/04/2020 11:25

Table 4: Number of confirmed COVID-19 cases notified to midnight April 5th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	1081	19.3
Possible community transmission	1597	28.6
Local transmission	856	15.3
Possible local transmission	35	0.6
Travel abroad	314	5.6
Possible travel abroad	92	1.6
Unknown	1618	28.9
Total	5593	100

*Transmission classification is based on country of infection and enhanced exposure data (international travel; close contact of a case) recorded in CIDR. The World Health Organization's (WHO) Definition of transmission classification is outlined in Appendix 1. Data source: CIDR as of 07/04/2020 11:25

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 5th 2020 by age group and hospital, ICU and vital status, Ireland

Age group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)	Number of cases that died (n)	Case that died (%)
<5	30	7	0.5		0.0	0	0
5 - 14	39	3	0.2	1	0.5	0	0
15-24	347	36	2.7	2	1.0	0	0
25-34	948	96	7.1	9	4.6	2	1.0
35-44	1044	116	8.6	12	6.2	2	1.0
45-54	1048	201	14.9	46	23.7	6	2.9
55-64	794	207	15.4	50	25.8	9	4.4
65+	1326	677	50.3	74	38.1	185	90.7
Unknown	17	2	0.1	0	0	0	0
Total	5593	1345	100	194	100	204	100

Data source: CIDR as of 07/04/2020 11:25

Of the 5,593 laboratory confirmed cases of COVID-19, 204 had died, giving a case fatality rate of 3.6. Fourteen percent of hospitalised cases were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 5th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	50	710	28	788
HSE Midlands	4	45	22	71
HSE Mid-West	10	48	23	81
HSE North-East	2	15	51	68
HSE North-West	7	20	11	38
HSE South-East	5	3	67	75
HSE South	20	80	53	153
HSE West	7	70	37	114
Total	105	991	292	1388

Data source: CIDR as of 07/04/2020 11:25

Of the 1,388 cases who were healthcare workers, 71% had no history of foreign travel in the 14 days prior to onset of symptoms.

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Table 7: Number of clusters/outbreaks COVID-19 notified to midnight April 5th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	50	2	3	14	3	1	3	10	86	31.9
Hospital	28	2		4	1	2	6	3	46	17.0
Private house	2	2		4	4	6	6	15	39	14.4
Residential institution	22	1		2	1		4	3	33	12.2
Travel related		3	4	4	2	1	5	2	21	7.8
Comm. Hosp/Long-stay unit	4	3			2	1	3	3	16	5.9
Extended family	2		1		2	3	2		10	3.7
Workplace	1					2	2	1	6	2.2
Community outbreak		1	1	1					3	1.1
Public house		2					1		3	1.1
Hotel							1		1	0.4
Other			2	1			1	1	5	1.9
Not Specified	1								1	0.4
Total	110	16	11	30	15	16	34	38	270	100

Data source: CIDR as of 07/04/2020 11:25

Acknowledgements

Sincere thanks are extended to all those who participated in the collection and reporting of data used in this report. This includes the notifying clinicians and staff in laboratories and Departments of Public Health.

Report prepared by Epi Team, HPSC

Appendix 1: World Health Organization's (WHO) Definition of transmission classification

WHO definition of transmission classification is specified below:

- Community transmission is evidenced by the inability to relate confirmed cases through chains of transmission for a large number of cases, or by increasing positive tests through routine screening of sentinel samples.
- Local transmission indicates locations where the source of infection is within the reporting location.
- Imported cases only indicate locations where all cases have been acquired outside the location of reporting.

Unknown: Transmission is classified as 'unknown' due to incomplete data on CIDR.