



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 08/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 8th April 2020 11:25 for events created on CIDR up to midnight Monday 6th April 2020.

Characteristic	Number	%
Total number of confirmed cases	5,981	
Number of new cases April 6th	391	6.5
Total number hospitalised	1472	24.6
Total number admitted to ICU*	224	3.7
Total number of deaths	223	3.7
Total number of outbreaks/clusters	299	-
Total number cases associated with clusters	1288	21.5
Total number of imported cases	332	5.6
Number of cases in Healthcare workers	1568	26.2
Median age (years)	48	-
Age range (years)	0 - 99	-

*Total COVID-19 admissions to ICU **before midnight April 6th 2020**

Confirmed cases

In total, 5,981 confirmed cases of COVID-19 were notified in Ireland **before midnight April 6th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

Two hundred and ninety nine outbreaks/clusters of COVID-19 were notified on CIDR **before midnight April 6th 2020**.

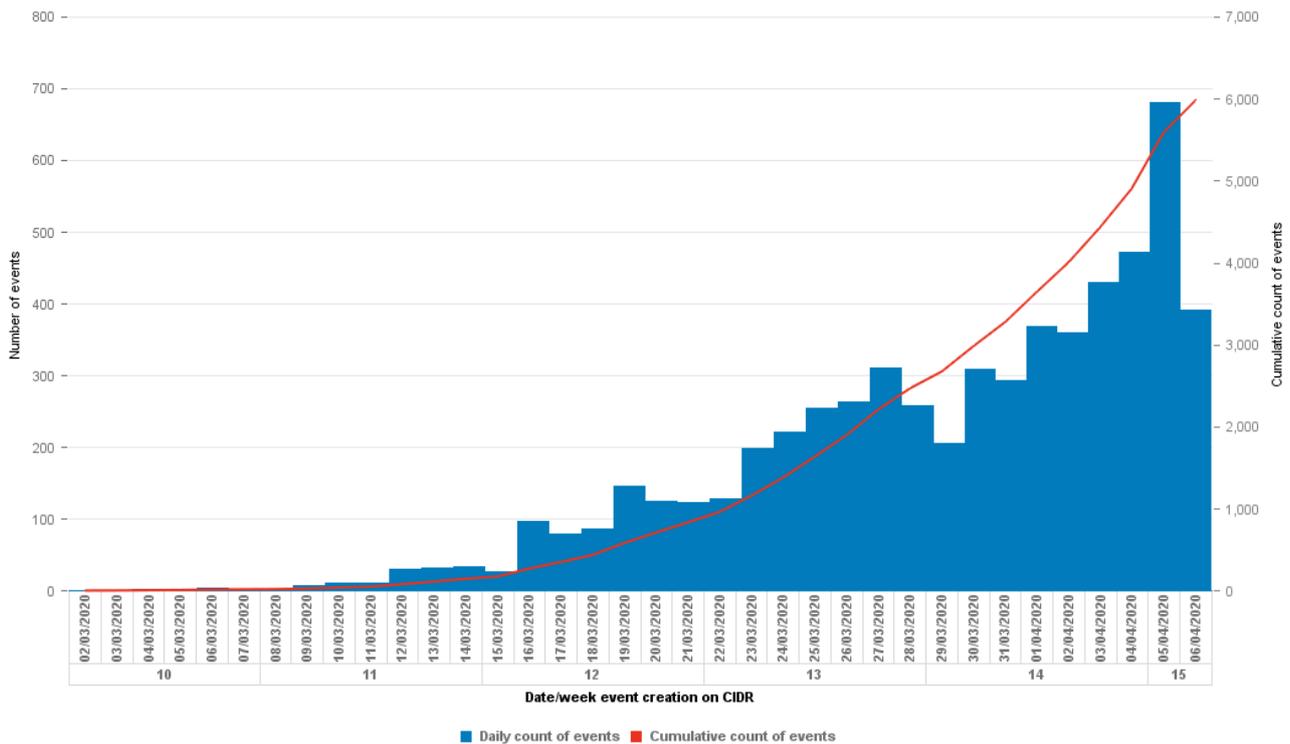


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 6th 2020

Data source: CIDR as of 08/04/2020 11:25

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 6th 2020, Ireland

Characteristic	Number of cases	%
Total	5,981	100
Sex		
Female	3154	52.7
Male	2757	46.1
Unknown	70	1.2
Age group (years)		
<1	12	0.2
1-4	18	0.3
5-14	42	0.7
15-24	364	6.1
25-34	1010	16.9
35-44	1111	18.6
45-54	1118	18.7
55-64	847	14.2
65+	1442	24.1
Unknown	17	0.3
HSE area		
HSE East	3682	61.6
HSE Midlands	280	4.7
HSE Mid-West	324	5.4
HSE North-East	470	7.9
HSE North-West	168	2.8
HSE South-East	218	3.6
HSE South	553	9.2
HSE West	286	4.8

Data source: CIDR as of 08/04/2020 11:25

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 6th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	3956	66.1
Other than Ireland	332	5.6
Unknown	1693	28.3
Total	5981	100

Data source: CIDR as of 08/04/2020 11:25

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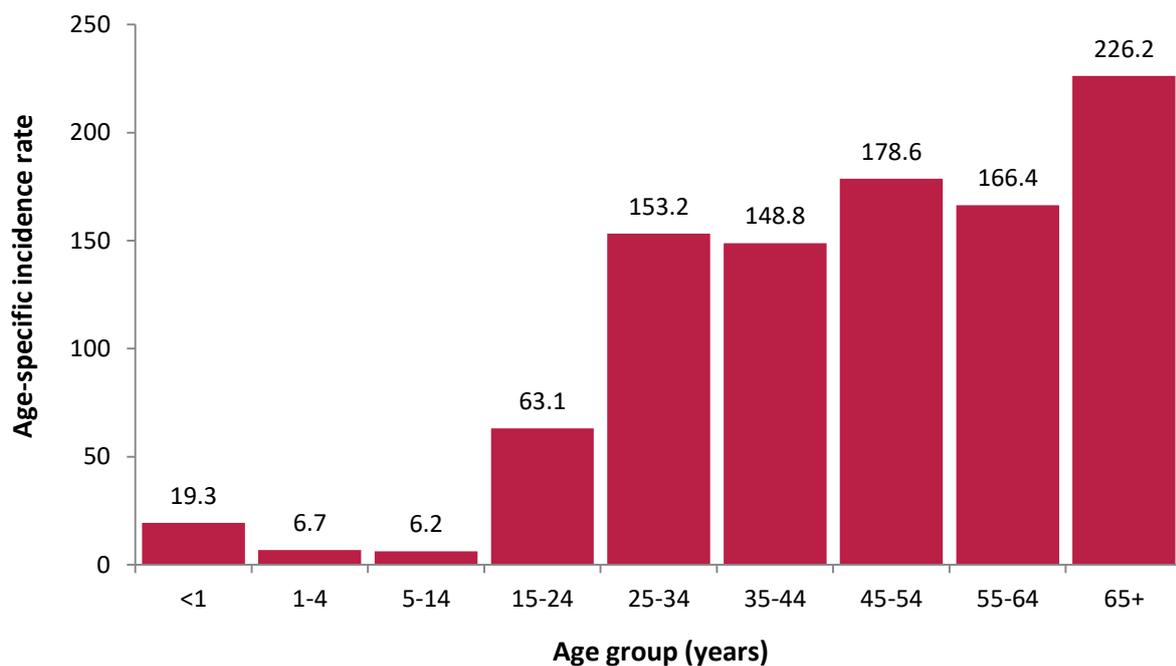


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 6th 2020, Ireland

Data source: CIDR as of 08/04/2020 11:25, rates are calculated using the 2016 census (www.cso.ie)

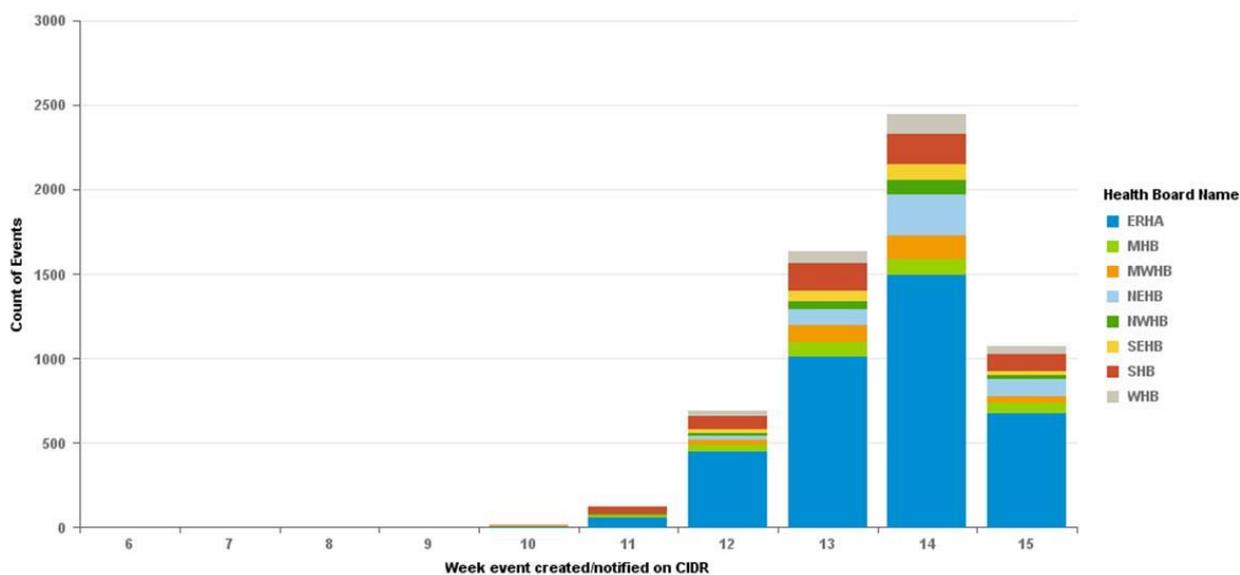


Figure 3: Confirmed cases of COVID-19 notified to midnight April 6th 2020, by HSE Area and week of notification

Data source: CIDR as of 08/04/2020 11:25

Note: Data are provisional

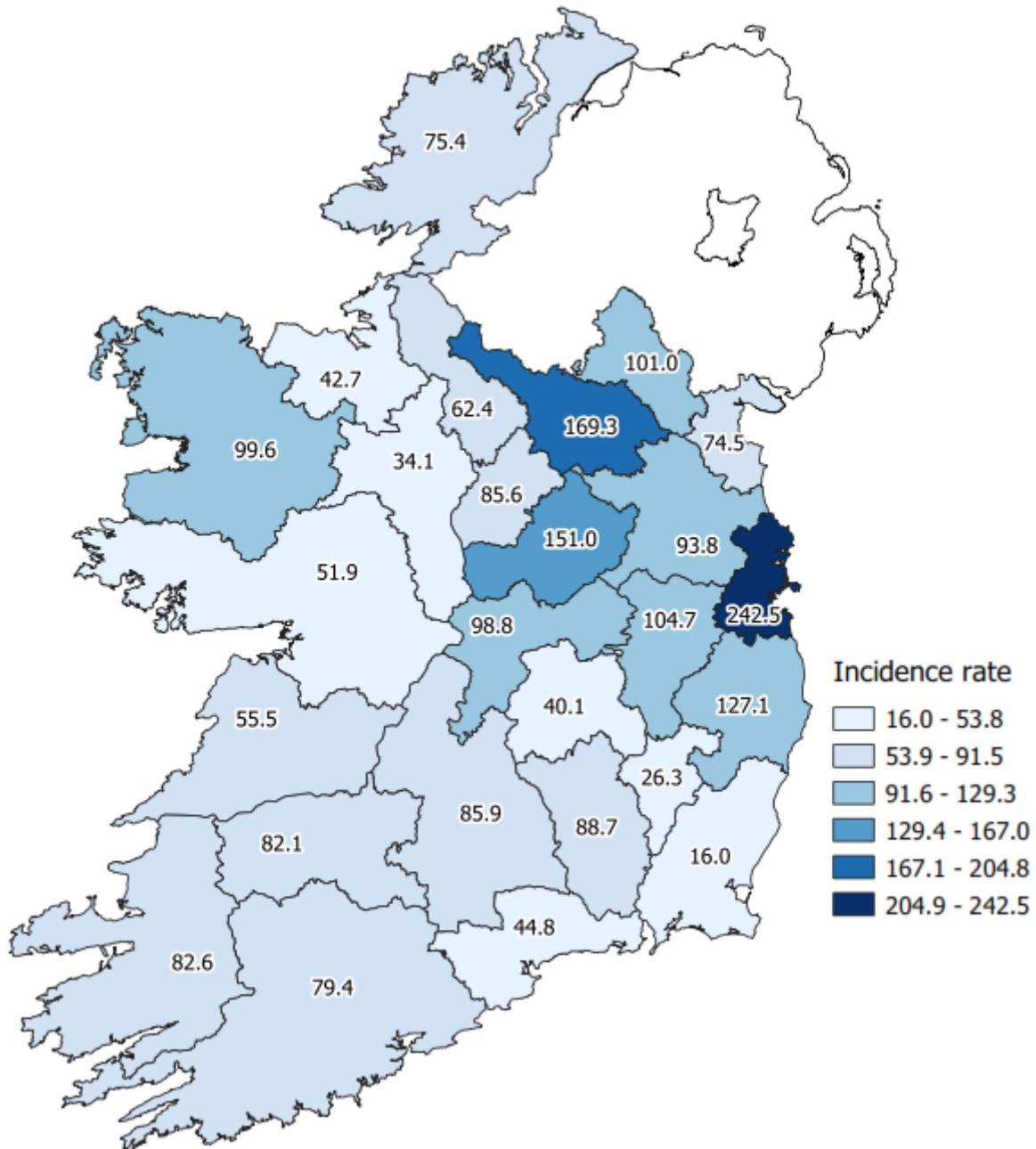


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 6th 2020 by county, Ireland

Data source: CIDR as of 08/04/2020 11:25, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 6th 2020 by county

County Name	Number of cases	%
Carlow	15	0.3
Cavan	129	2.2
Clare	66	1.1
Cork	431	7.2
Donegal	120	2.0
Dublin	3268	54.6
Galway	134	2.2
Kerry	122	2.0
Kildare	233	3.9
Kilkenny	88	1.5
Laois	34	0.6
Leitrim	20	0.3
Limerick	160	2.7
Longford	35	0.6
Louth	96	1.6
Mayo	130	2.2
Meath	183	3.1
Monaghan	62	1.0
Offaly	77	1.3
Roscommon	22	0.4
Sligo	28	0.5
Tipperary	137	2.3
Waterford	52	0.9
Westmeath	134	2.2
Wexford	24	0.4
Wicklow	181	3.0
Total	5981	100

Data source: CIDR as of 08/04/2020 11:25

Table 4: Number of confirmed COVID-19 cases notified to midnight April 6th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	1243	20.8
Possible community transmission	1672	28.0
Local transmission	963	16.1
Possible local transmission	33	0.6
Travel abroad	323	5.4
Possible travel abroad	101	1.7
Unknown	1646	27.5
Total	5981	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 08/04/2020 11:25

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Table 5: Number of confirmed cases of COVID-19 notified to midnight April 6th 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	0
5 - 14	42	4	0.3	1	0.4	0	0
15-24	364	37	2.5	2	0.9	0	0
25-34	1010	102	6.9	10	4.5	2	0.9
35-44	1111	127	8.6	13	5.8	3	1.3
45-54	1118	224	15.2	54	24.1	7	3.1
55-64	847	230	15.6	63	28.1	11	4.9
65+	1442	739	50.2	81	36.2	200	89.7
Unknown	17	2	0.1	0	0	0	0
Total	5981	1472	100	224	100	223	100

Data source: CIDR as of 08/04/2020 11:25

Of the 5,981 laboratory confirmed cases of COVID-19, 223 had died, giving a case fatality rate of 3.7. Fifteen percent of hospitalised cases were admitted to ICU.

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

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	53	789	57	899
HSE Midlands	4	49	34	87
HSE Mid-West	11	49	27	87
HSE North-East	2	15	87	104
HSE North-West	7	23	9	39
HSE South-East	5	3	67	75
HSE South	21	84	57	162
HSE West	7	71	37	115
Total	110	1083	375	1568

Data source: CIDR as of 08/04/2020 11:25

Of the 1,568 cases who were healthcare workers, 69% had no history of foreign travel in the 14 days prior to onset of symptoms.

Note: Data are provisional

Table 7: Number of clusters/outbreaks COVID-19 notified to midnight April 6th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	52	4	4	20	3	1	3	13	100	33.4
Hospital	30	2		4	1	2	6	3	48	16.1
Private house	2	2		4	5	7	6	15	41	13.7
Residential institution	22	3	1	2	1		5	3	37	12.4
Comm. Hosp/Long-stay unit	4	6			2	1	5	3	21	7.0
Travel related		3	4	4	2	1	5	2	21	7.0
Extended family	2		1		2	3	2		10	3.3
Workplace	1					2	4	1	8	2.7
Community outbreak		1	1	1					3	1.0
Public house		2					1		3	1.0
Hotel							1		1	0.3
Other			2	1			1	1	5	1.7
Not Specified	1								1	0.3
Total	114	23	13	36	16	17	39	41	299	100

Data source: CIDR as of 08/04/2020 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.