



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 13/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 13th April 2020 at 9:30 am for events created on CIDR up to midnight Saturday 11th April 2020.

Characteristic	Number	%
Total number of confirmed cases	9,484	
Number of new cases April 11th	988	10.4
Total number hospitalised	1,849	19.5
Total number admitted to ICU*	268	2.8
Total number of deaths	362	3.8
Total number of outbreaks/clusters	401	-
Total number cases associated with clusters	1,795	18.9
Total number of imported cases	342	3.6
Number of cases in Healthcare workers	2,489	26.2
Median age (years)	48	-
Age range (years)	0 - 106	-

*Total COVID-19 admissions to ICU before midnight April 11th 2020

Confirmed cases

In total, 9,484 confirmed cases of COVID-19 were notified in Ireland **before midnight April 11th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

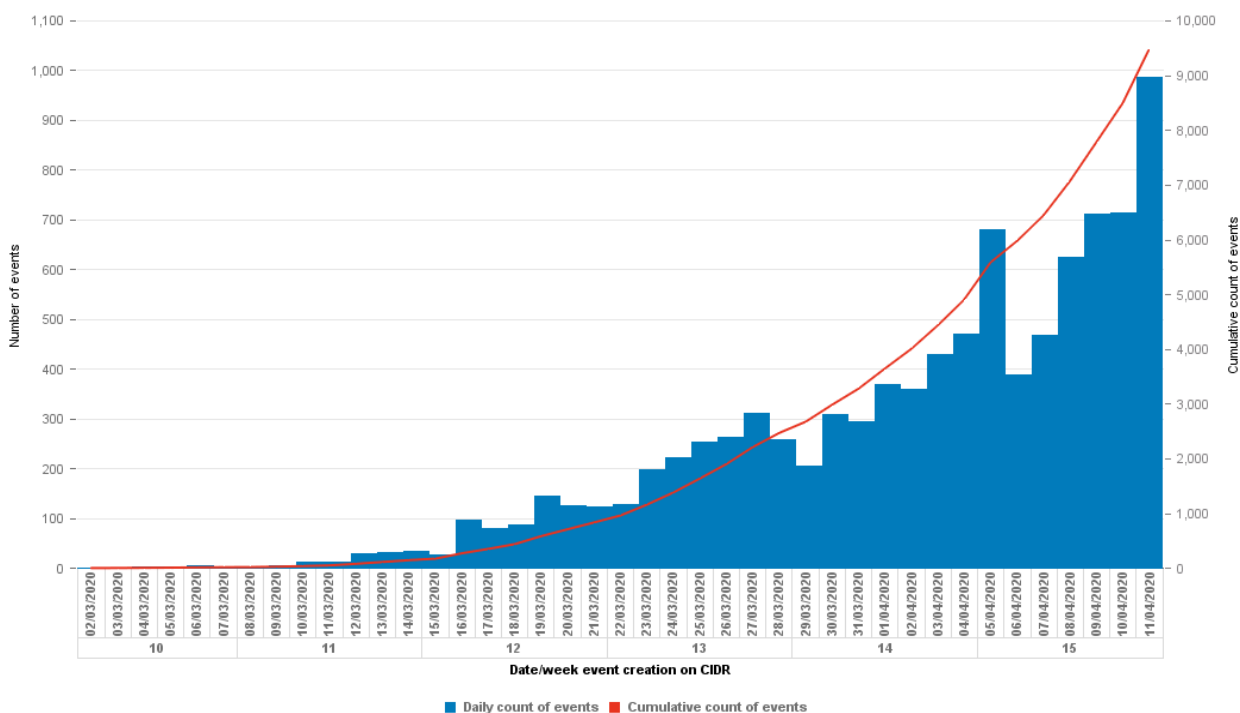


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 11th 2020

Data source: CIDR as of 13/04/2020 9:30

Outbreaks/Clusters

There were 401 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 11th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 11th 2020, Ireland

Characteristic	Number of cases	%
Total	9,484	100
Sex		
Female	5115	53.9
Male	4225	44.5
Unknown	144	1.5
Age group (years)		
<1	19	0.2
1-4	29	0.3
5-14	67	0.7
15-24	598	6.3
25-34	1647	17.4
35-44	1757	18.5
45-54	1812	19.1
55-64	1411	14.9
65+	2123	22.4
Unknown	21	0.2
HSE area		
HSE East	5682	59.9
HSE Midlands	490	5.2
HSE Mid-West	490	5.2
HSE North-East	801	8.4
HSE North-West	302	3.2
HSE South-East	359	3.8
HSE South	930	9.8
HSE West	430	4.5

Data source: CIDR as of 13/04/2020 9:30

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 11th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	6223	65.6
Other than Ireland	342	3.6
Unknown	2,919	30.8
Total	9484	100

Data source: CIDR as of 13/04/2020 9:30

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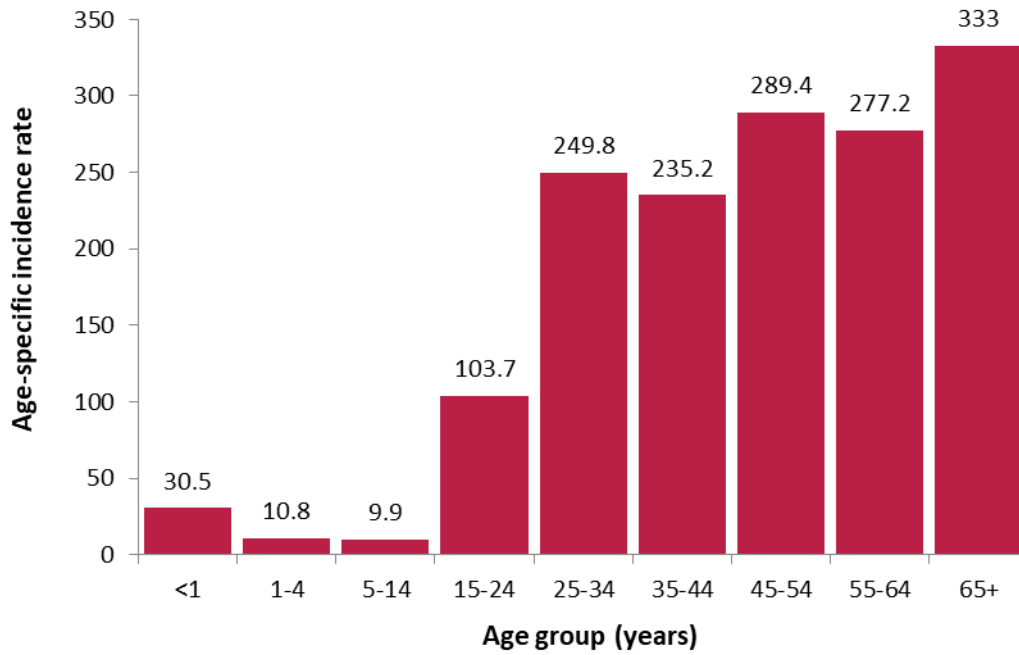


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 11th 2020, Ireland

Data source: CIDR as of 13/04/2020 9:30, rates are calculated using the 2016 census (www.cso.ie)

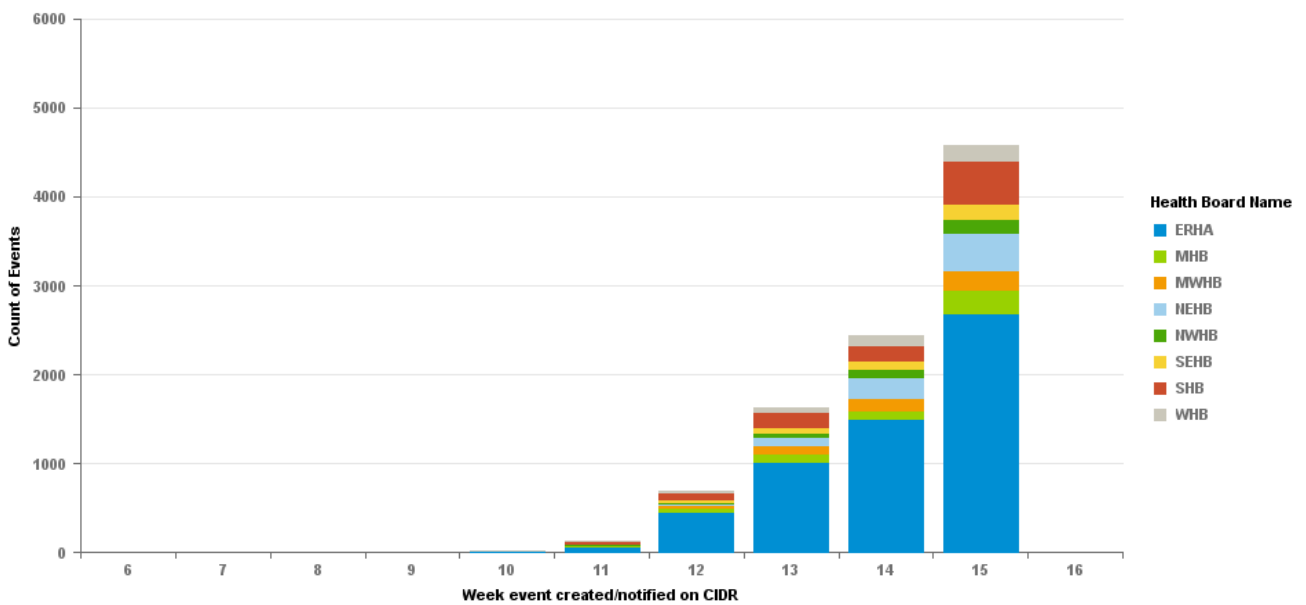


Figure 3: Confirmed cases of COVID-19 notified to midnight April 11th 2020, by HSE Area and week of notification

Data source: CIDR as of 13/04/2020 9:30

Note: Data are provisional

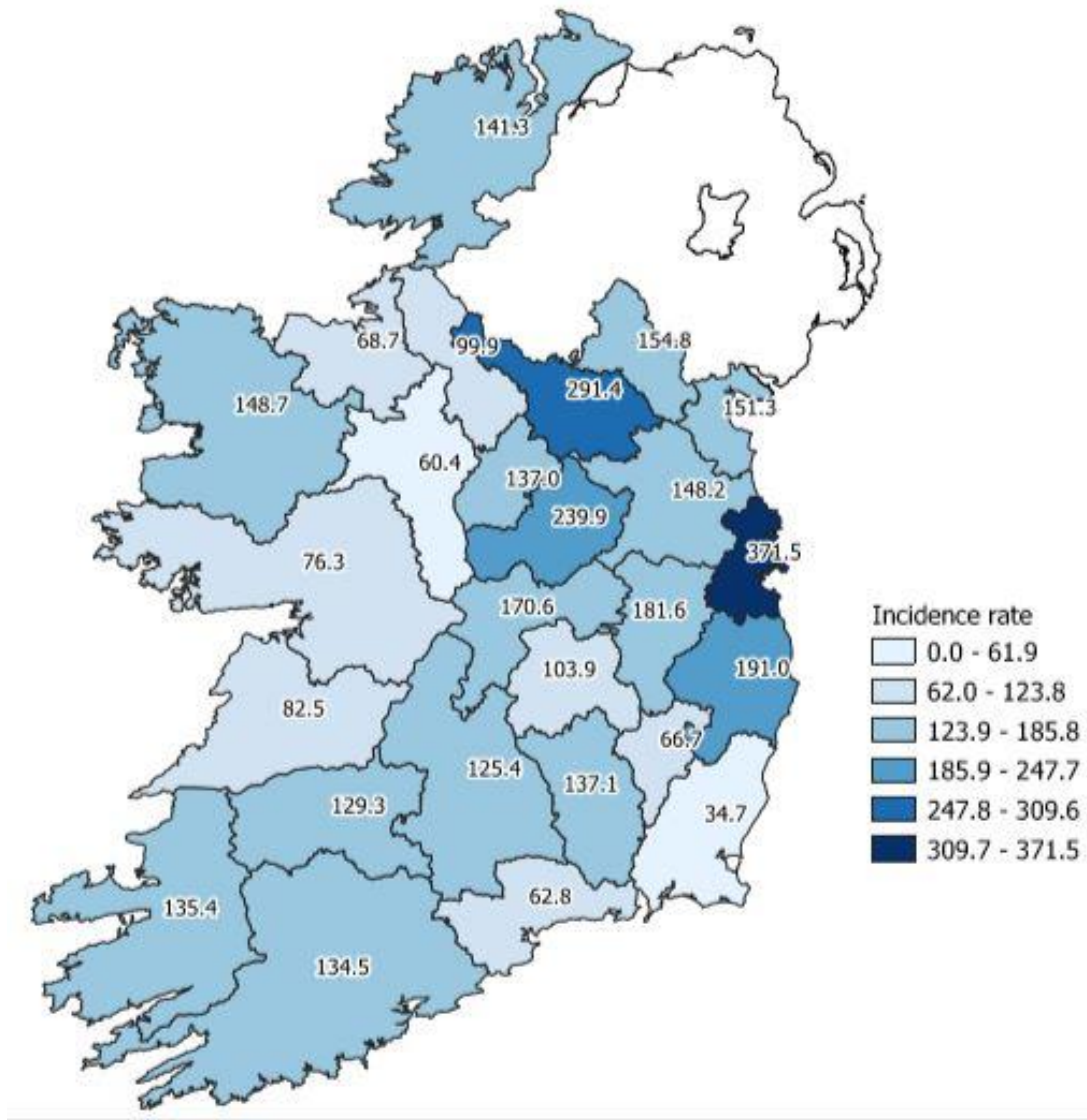


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 11th 2020 by county, Ireland

Please do not directly compare county shades to previous maps. The numbers of cases by county are increasing and as such the categories listed will broaden which may result in changes to the map shading.

Data source: CIDR as of 13/04/2020 9:30, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 11th 2020 by county

County Name	Number of cases	%
Carlow	38	0.4
Cavan	222	2.3
Clare	98	1.0
Cork	730	7.7
Donegal	225	2.4
Dublin	5006	52.8
Galway	197	2.1
Kerry	200	2.1
Kildare	404	4.3
Kilkenny	136	1.4
Laois	88	0.9
Leitrim	32	0.3
Limerick	252	2.7
Longford	56	0.6
Louth	195	2.1
Mayo	194	2.0
Meath	289	3.0
Monaghan	95	1.0
Offaly	133	1.4
Roscommon	39	0.4
Sligo	45	0.5
Tipperary	200	2.1
Waterford	73	0.8
Westmeath	213	2.2
Wexford	52	0.5
Wicklow	272	2.9
Total	9484	100

Data source: CIDR as of 13/04/2020 9:30

Table 4: Number of confirmed COVID-19 cases notified to midnight April 11th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	1665	17.6
Possible community transmission	2722	28.7
Local transmission	1705	18.0
Possible local transmission	87	0.9
Travel abroad	331	3.5
Possible travel abroad	117	1.2
Unknown	2857	30.1
Total	9484	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 13/04/2020 9:30

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 11th 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)	Cases that died (%)
<5	48	11	0.6	0	0.0	0	0
5 - 14	67	5	0.3	1	0.4	0	0
15-24	598	44	2.4	3	1.1	0	0
25-34	1647	125	6.8	9	3.4	3	0.8
35-44	1757	150	8.1	16	6.0	8	2.2
45-54	1812	272	14.7	62	23.1	7	1.9
55-64	1411	287	15.5	73	27.2	18	5.0
65+	2123	953	51.5	104	38.8	326	90.1
Unknown	21	2	0.1	0	0	0	0
Total	9484	1849	100	268	100	362	100

Data source: CIDR as of 13/04/2020 9:30

Of the 9,848 laboratory confirmed cases of COVID-19, 362 had died, giving a case fatality rate of 3.8%. Of the patients who were hospitalised, 15% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 11th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	68	1370	69	1507
HSE Midlands	6	103	48	157
HSE Mid-West	12	60	43	115
HSE North-East	2	16	142	160
HSE North-West	7	23	42	72
HSE South-East	5	3	111	119
HSE South	21	102	77	200
HSE West	7	74	78	159
Total	128	1751	610	2489

Data source: CIDR as of 13/04/2020 9:30

Of the 2,489 cases who were healthcare workers, 70% 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 of COVID-19 notified to midnight April 11th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	78	8	4	27	3	1	3	25	149	37.2
Hospital	36	2	1	8	1	2	7	3	60	15.0
Residential institution	31	8	2	2	2	1	7	3	56	14.0
Private house	2	3		8	5	8	7	17	50	12.5
Comm. Hosp/Long-stay unit	4	8			2	1	5	3	23	5.7
Travel related		3	4	4	2	1	5	2	21	5.2
Extended family	2		1		2	3	2	1	11	2.7
Workplace	2					3	5	1	11	2.7
Community outbreak	2	1	1	1					5	1.2
Public house		2					1		3	0.7
Hotel	1						1		2	0.5
Other	2		2	1			2	2	9	2.2
Not Specified	1								1	0.2
Total	161	35	15	51	17	20	45	57	401	100

Data source: CIDR as of 13/04/2020 9:30

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.