



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 12/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 12th April 2020 at 9:30 am for events created on CIDR up to midnight Friday 10th April 2020.

Characteristic	Number	%
Total number of confirmed cases	8,496	
Number of new cases April 10th	713	8.4
Total number hospitalised	1,777	20.9
Total number admitted to ICU*	261	3.1
Total number of deaths	329	3.9
Total number of outbreaks/clusters	383	-
Total number cases associated with clusters	1,653	19.5
Total number of imported cases	342	4.0
Number of cases in Healthcare workers	2,312	27.2
Median age (years)	48	-
Age range (years)	0 - 99	-

*Total COVID-19 admissions to ICU before midnight April 10th 2020

Confirmed cases

In total, 8,496 confirmed cases of COVID-19 were notified in Ireland **before midnight April 10th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

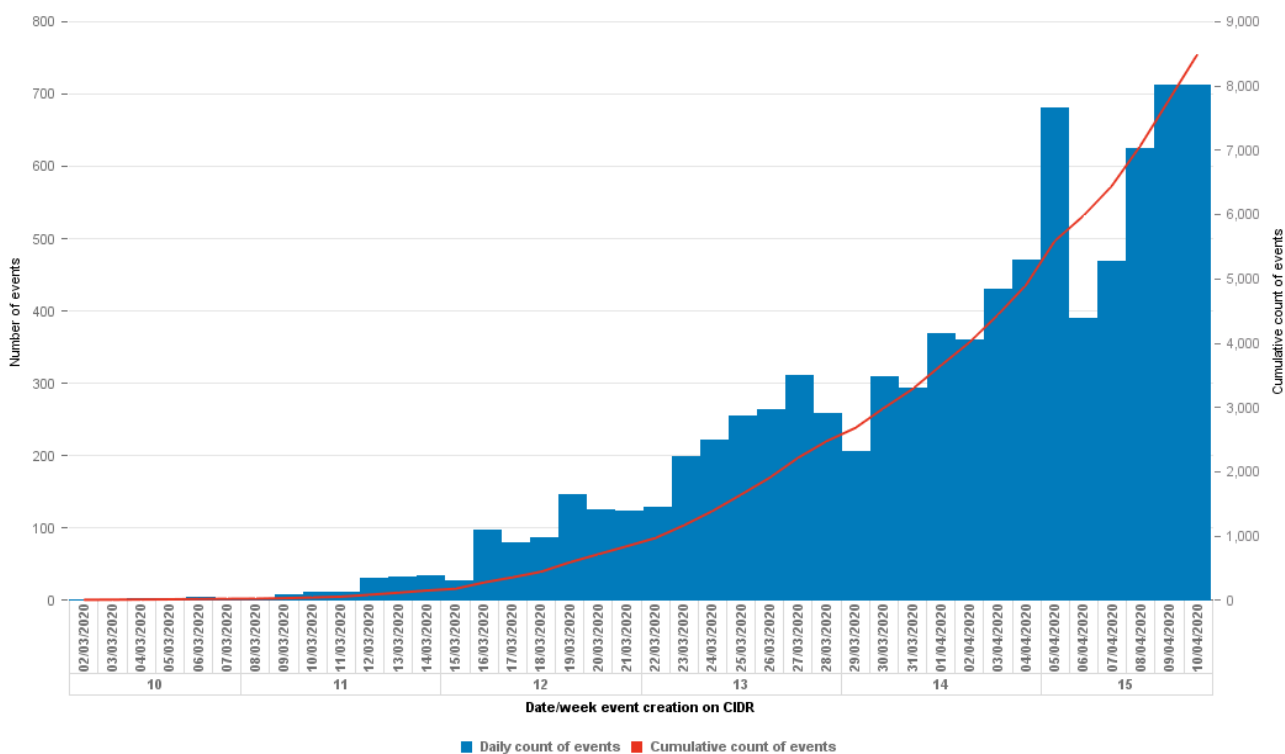


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 10th 2020

Data source: CIDR as of 12/04/2020 9:30

Outbreaks/Clusters

There were 383 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 10th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 10th 2020, Ireland

Characteristic	Number of cases	%
Total	8,496	100
Sex		
Female	4616	54.3
Male	3783	44.5
Unknown	97	1.1
Age group (years)		
<1	18	0.2
1-4	27	0.3
5-14	56	0.7
15-24	528	6.2
25-34	1479	17.4
35-44	1558	18.3
45-54	1609	18.9
55-64	1251	14.7
65+	1951	23.0
Unknown	19	0.2
HSE area		
HSE East	5137	60.5
HSE Midlands	431	5.1
HSE Mid-West	441	5.2
HSE North-East	690	8.1
HSE North-West	265	3.1
HSE South-East	322	3.8
HSE South	818	9.6
HSE West	392	4.6

Data source: CIDR as of 12/04/2020 9:30

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 10th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	5633	66.3
Other than Ireland	342	4
Unknown	2,521	29.7
Total	8496	100

Data source: CIDR as of 12/04/2020 9:30

Note: Data are provisional

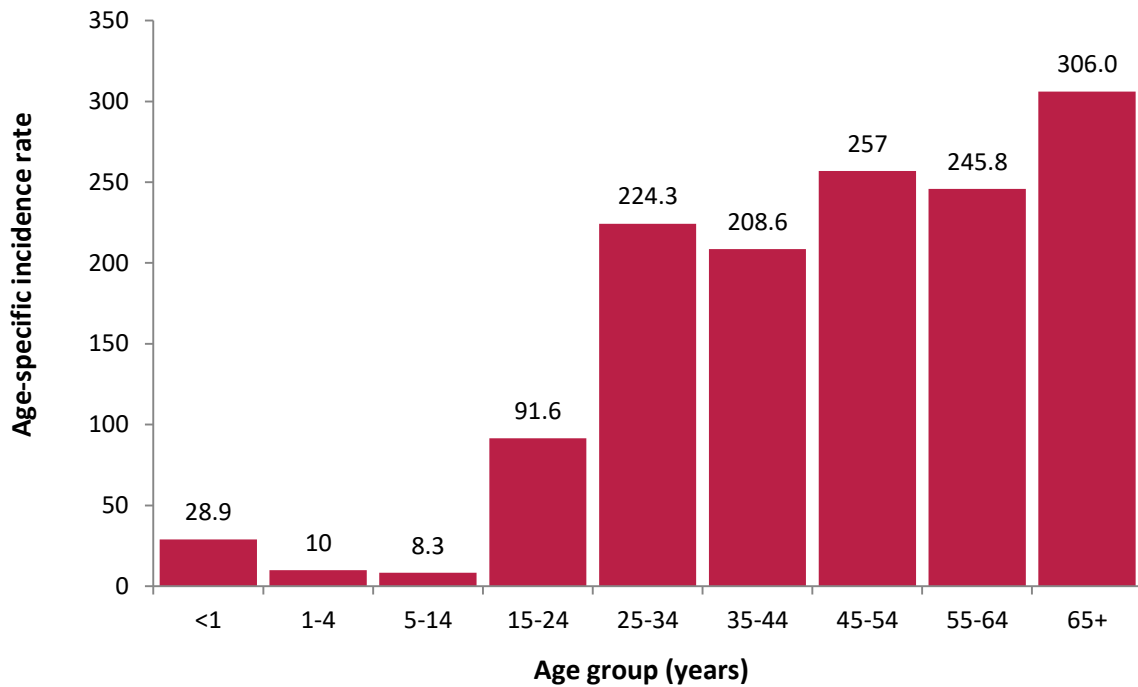


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 10th 2020, Ireland

Data source: CIDR as of 12/04/2020 9:30, rates are calculated using the 2016 census (www.cso.ie)

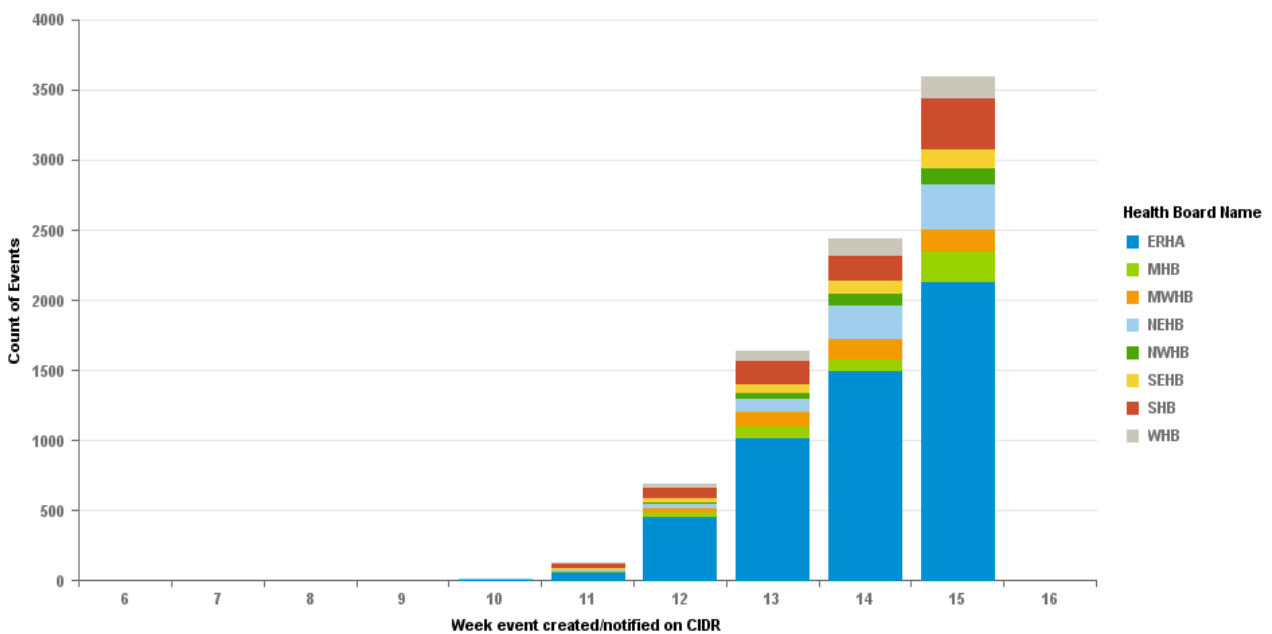


Figure 3: Confirmed cases of COVID-19 notified to midnight April 10th 2020, by HSE Area and week of notification

Data source: CIDR as of 12/04/2020 9:30

Note: Data are provisional

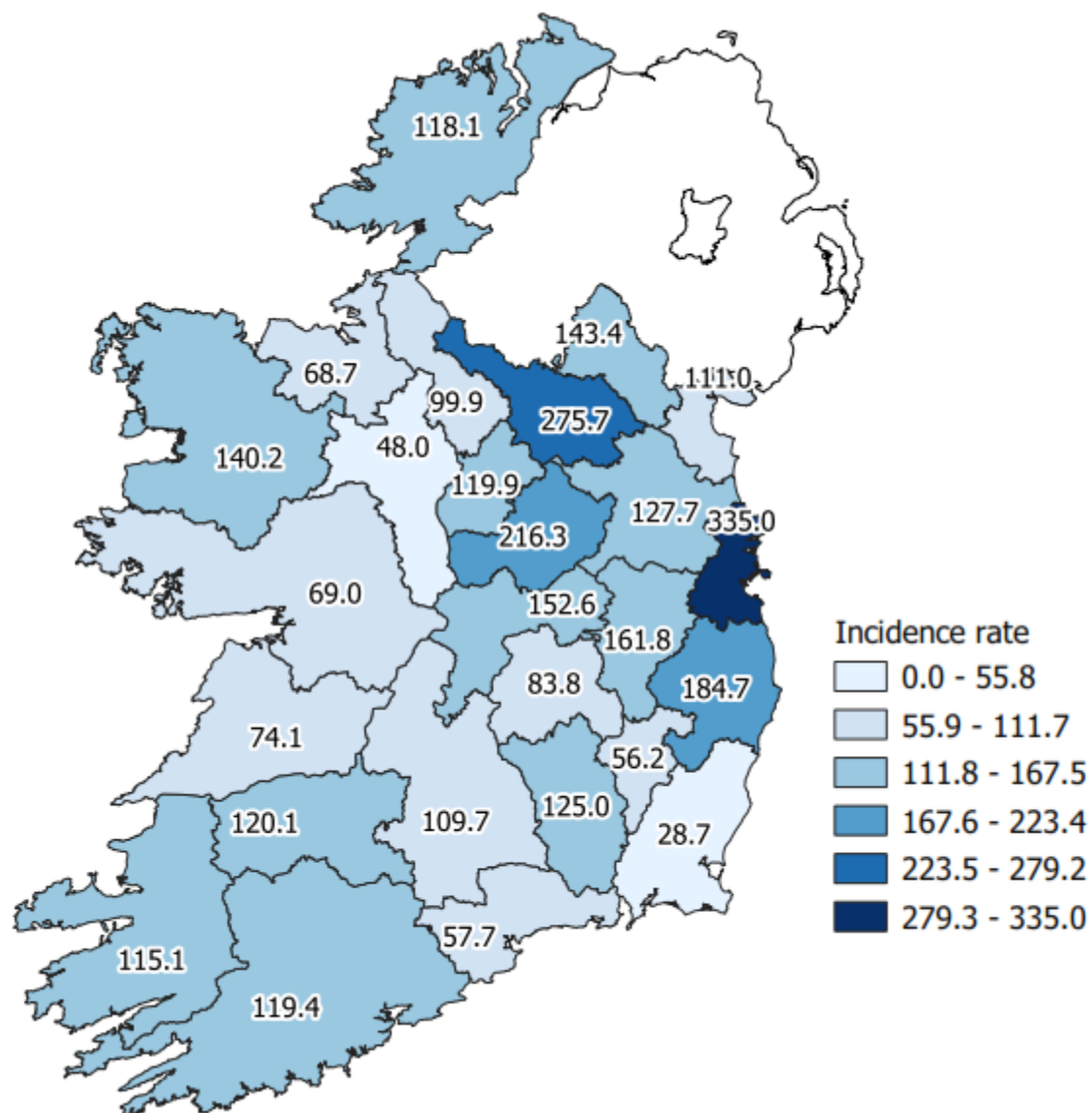


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 10th 2020 by county, Ireland

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 12/04/2020 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 10th 2020 by county

County Name	Number of cases	%
Carlow	32	0.4
Cavan	210	2.5
Clare	88	1.0
Cork	648	7.6
Donegal	188	2.2
Dublin	4514	53.1
Galway	178	2.1
Kerry	170	2.0
Kildare	360	4.2
Kilkenny	124	1.5
Laois	71	0.8
Leitrim	32	0.4
Limerick	234	2.8
Longford	49	0.6
Louth	143	1.7
Mayo	183	2.2
Meath	249	2.9
Monaghan	88	1.0
Offaly	119	1.4
Roscommon	31	0.4
Sligo	45	0.5
Tipperary	175	2.1
Waterford	67	0.8
Westmeath	192	2.3
Wexford	43	0.5
Wicklow	263	3.1
Total	8496	100

Data source: CIDR as of 12/04/2020 9:30

Table 4: Number of confirmed COVID-19 cases notified to midnight April 10th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	1610	19.0
Possible community transmission	2398	28.2
Local transmission	1509	17.8
Possible local transmission	79	0.9
Travel abroad	330	3.9
Possible travel abroad	117	1.4
Unknown	2453	28.9
Total	8496	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 12/04/2020 9:30

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 10th 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	45	10	0.6	0	0.0	0	0
5 - 14	56	5	0.3	1	0.4	0	0
15-24	528	43	2.4	3	1.1	0	0
25-34	1479	123	6.9	10	3.8	2	0.6
35-44	1558	146	8.2	16	6.1	7	2.1
45-54	1609	263	14.8	60	23.0	7	2.1
55-64	1251	279	15.7	71	27.2	15	4.6
65+	1951	906	51.0	100	38.3	298	90.6
Unknown	19	2	0.1	0	0	0	0
Total	8496	1777	100	261	100	329	100

Data source: CIDR as of 12/04/2020 9:30

Of the 8,496 laboratory confirmed cases of COVID-19, 329 had died, giving a case fatality rate of 3.9%. Of the patients who were hospitalised, 15% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 10th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	68	1249	68	1385
HSE Midlands	6	84	41	131
HSE Mid-West	12	60	43	115
HSE North-East	2	16	140	158
HSE North-West	7	23	28	58
HSE South-East	5	3	107	115
HSE South	21	102	71	194
HSE West	7	74	75	156
Total	128	1611	573	2312

Data source: CIDR as of 12/04/2020 9:30

Of the 2,312 cases who were healthcare workers, 70% 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 of COVID-19 notified to midnight April 10th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	75	8	4	22	3	1	3	24	140	36.6
Hospital	34	2	1	8	1	2	7	3	58	15.1
Residential institution	30	8	2	2	2	1	6	3	54	14.1
Private house	2	3		8	5	8	7	17	50	13.1
Comm. Hosp/Long-stay unit	4	8			2	1	5	3	23	6.0
Travel related		3	4	4	2	1	5	2	21	5.5
Extended family	2		1		2	3	2		10	2.6
Workplace	2					3	5	1	11	2.9
Community outbreak		1	1	1					3	0.8
Public house		2					1		3	0.8
Hotel	1						1		2	0.5
Other			2	1			2	2	7	1.8
Not Specified	1								1	0.3
Total	151	35	15	46	17	20	44	55	383	100

Data source: CIDR as of 12/04/2020 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.