



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 30/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 30th April 2020 at 9:30 am for events created on CIDR up to midnight Tuesday 28th April 2020.

Characteristic	Number	%
Total number of confirmed cases	20,111	
Number of new cases since previous day	388	1.9
Total number hospitalised	2,706	13.5
Total number admitted to ICU	360	1.8
Total number of deaths	995	4.9
Total number of outbreaks/clusters	630	-
Total number cases associated with clusters	6,322	31.4
Total number of imported cases	359	1.8
Number of cases in Healthcare workers	5,684	28.3
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total, 20,111 confirmed cases of COVID-19 were notified in Ireland **before midnight April 28th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

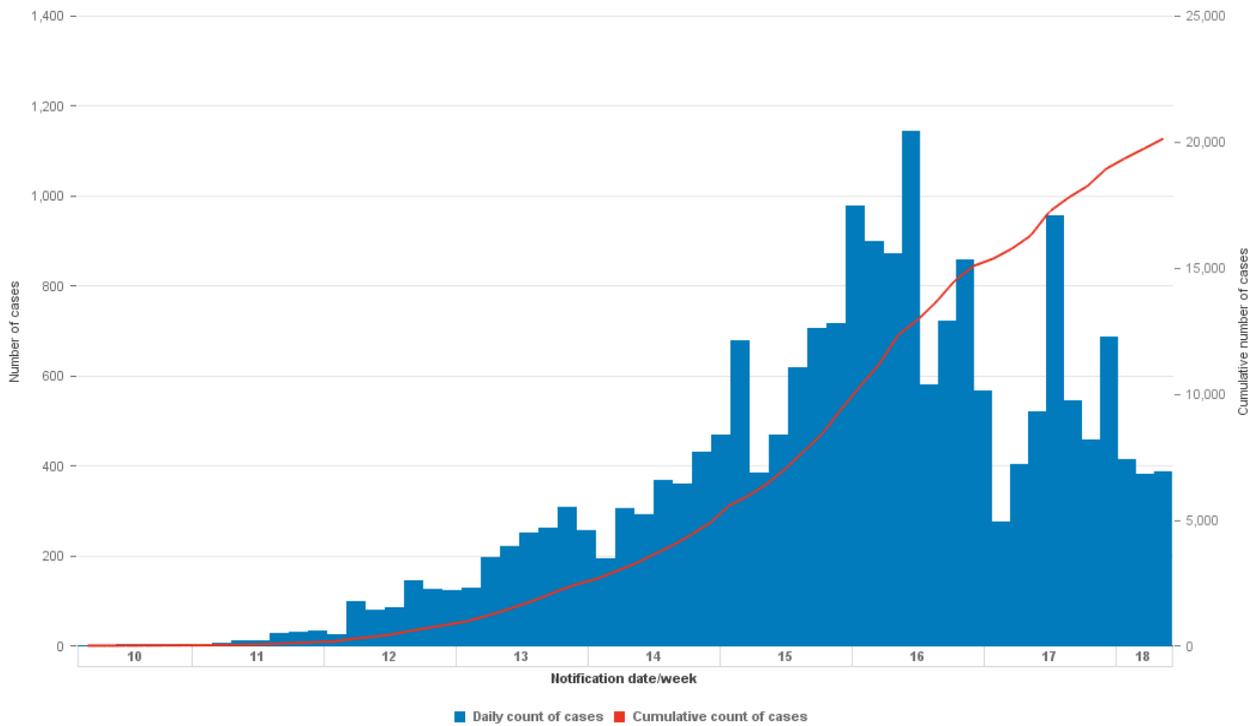


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 28th 2020

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

Outbreaks/Clusters

There were 630 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 28th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 28th 2020, Ireland

Characteristic	Number of cases	%
Total	20,111	100
Sex		
Female	11,625	57.8
Male	8,427	41.9
Unknown	59	0.3
Age group (years)		
<1	34	0.2
1-4	65	0.3
5-14	201	1.0
15-24	1,323	6.6
25-34	3,201	15.9
35-44	3,438	17.1
45-54	3,698	18.4
55-64	2,665	13.3
65+	5,460	27.1
Unknown	26	0.1
HSE area		
HSE East	11,749	58.4
HSE Midlands	1,120	5.6
HSE Mid-West	1,080	5.4
HSE North-East	2,352	11.7
HSE North-West	641	3.2
HSE South-East	743	3.7
HSE South	1,438	7.2
HSE West	988	4.9

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

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 28th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	15,255	75.9
Other than Ireland	359	1.8
Unknown	4,497	22.4
Total	20,111	100.0

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

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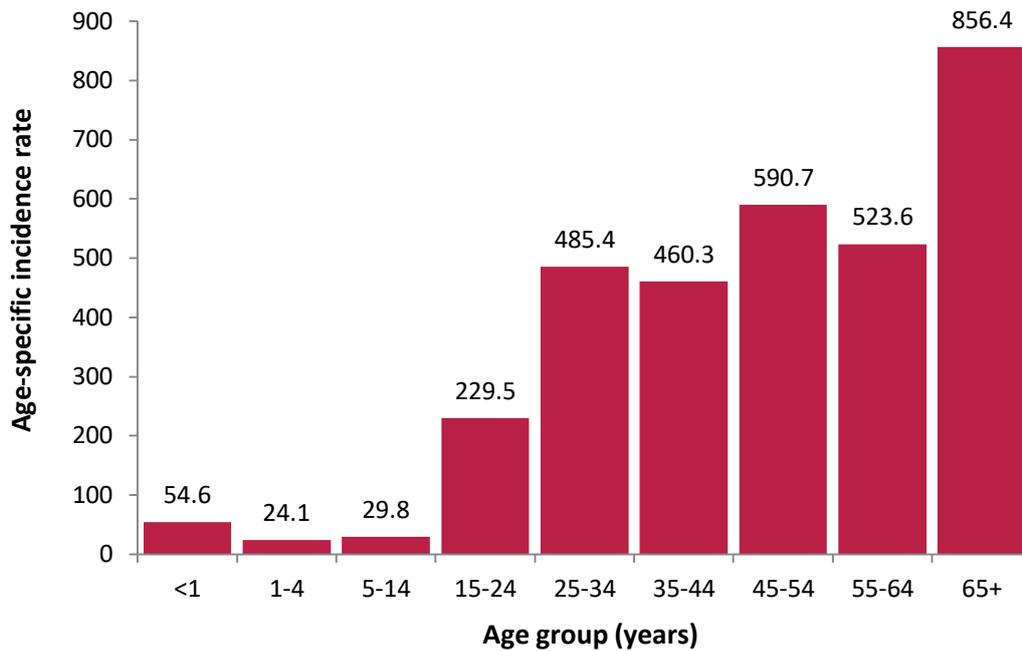


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 28th 2020, Ireland

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

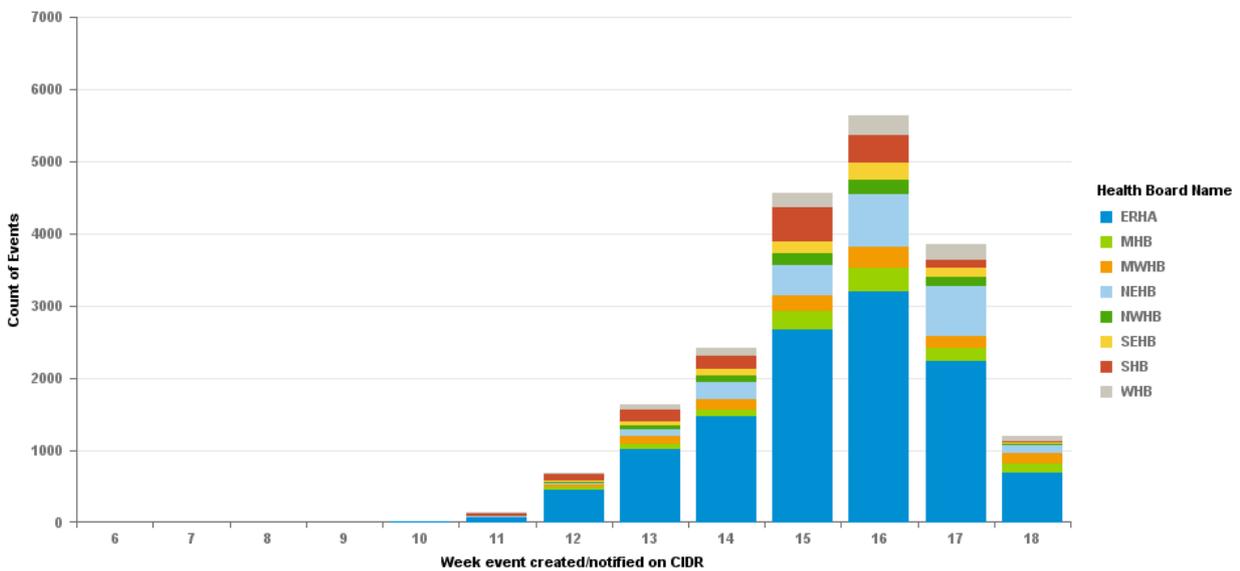


Figure 3: Confirmed cases of COVID-19 notified to midnight April 28th 2020, by HSE Area and week of notification

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

Note: Data are provisional

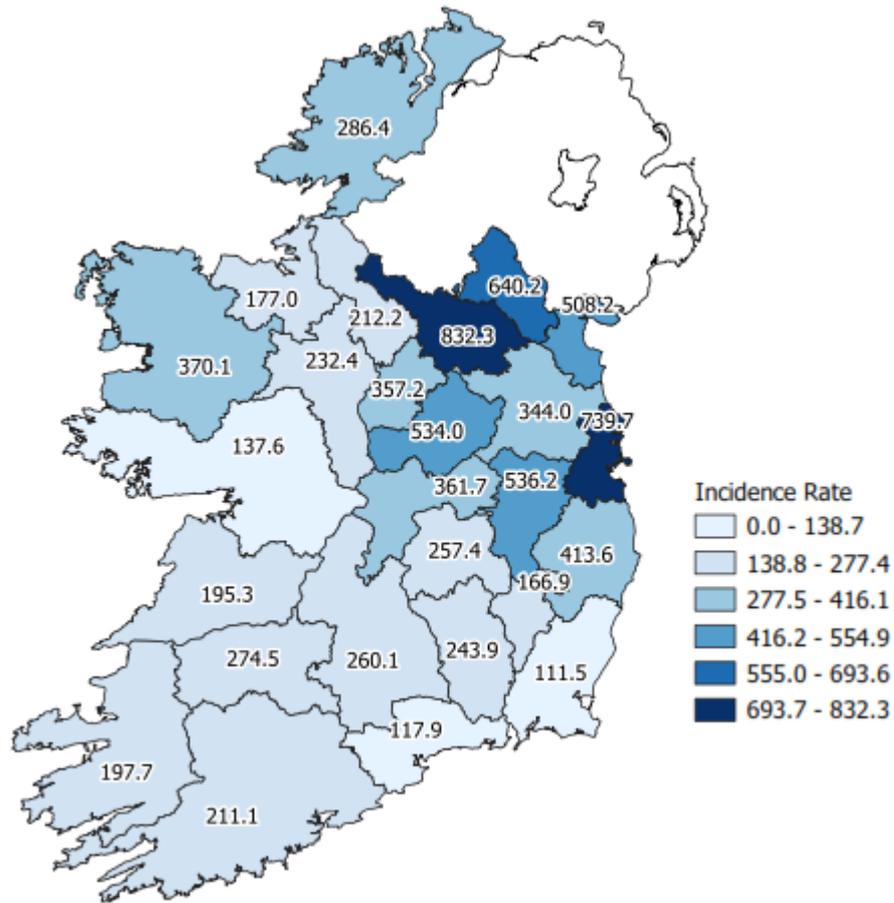


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 28th 2020 by county, Ireland

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 30/04/2020 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 28th 2020 by county

County Name	Number of cases	%
Carlow	95	0.5
Cavan	634	3.2
Clare	232	1.2
Cork	1,146	5.7
Donegal	456	2.3
Dublin	9,967	49.6
Galway	355	1.8
Kerry	292	1.5
Kildare	1,193	5.9
Kilkenny	242	1.2
Laois	218	1.1
Leitrim	68	0.3
Limerick	535	2.7
Longford	146	0.7
Louth	655	3.3
Mayo	483	2.4
Meath	671	3.3
Monaghan	393	2.0
Offaly	282	1.4
Roscommon	150	0.7
Sligo	116	0.6
Tipperary	415	2.1
Waterford	137	0.7
Westmeath	474	2.4
Wexford	167	0.8
Wicklow	589	2.9
Total	20,111	100.0

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

Table 4: Number of confirmed COVID-19 cases notified to midnight April 28th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,504	12.5
Possible community transmission	7,415	36.9
Local transmission	4,745	23.6
Possible local transmission	460	2.3
Travel abroad	346	1.7
Possible travel abroad	180	0.9
Unknown	4,461	22.2
Total	20,111	100.0

*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 30/04/2020 9:30

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 28th 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	99	15	0.6	0	0.0	0	0.0
5-14	201	8	0.3	1	0.3	0	0.0
15-24	1,323	55	2.0	6	1.7	2	0.2
25-34	3,201	170	6.3	13	3.6	3	0.3
35-44	3,438	231	8.5	33	9.2	9	0.9
45-54	3,698	360	13.3	75	20.8	19	1.9
55-64	2,665	406	15.0	101	28.1	44	4.4
65+	5,460	1,459	53.9	131	36.4	918	92.3
Unknown	26	2	0.1	0	0.0	0	0.0
Total	20,111	2,706	100.0	360	100.0	995	100.0

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

Of the 20,111 laboratory confirmed COVID-19 cases, 995 have died, giving a case fatality rate of 4.9%. Of the patients who were hospitalised, 13% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 28th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	86	3,025	191	3,302
HSE Midlands	11	226	108	345
HSE Mid-West	15	88	177	280
HSE North-East	6	34	705	745
HSE North-West	8	114	105	227
HSE South-East	5	3	211	219
HSE South	20	108	209	337
HSE West	7	82	140	229
Total	158	3,680	1,846	5,684

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

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight April 28th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	100	14	11	37	5	12	8	32	219	34.8
Residential institution	67	12	2	10	5	7	14	5	122	19.4
Private house	2	6	7	9	5	8	27	21	85	13.5
Hospital	44	2	2	12	2	3	11	6	82	13
Comm. Hosp/Long-stay unit	5	4	0	0	5	4	8	2	28	4.4
Workplace	5	5	3	3	1	4	6	2	29	4.6
Travel related		3	5	4	2	1	5	2	22	3.5
Extended family	2		4		2	3	3	1	15	2.4
Other	3		2	2		1	4		12	1.9
Community outbreak	4	1	1	1			1	2	10	1.6
Public house		2	1				1		4	0.6
Hotel							1		1	0.2
Not Specified	1								1	0.2
Total	233	49	38	78	27	43	89	73	630	100.0

Data source: CIDR as of 30/04/2020 09:30

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.