



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 19/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 19th May 2020 at 9:20 am for events created on CIDR up to midnight Sunday 17th May 2020.

Characteristic	Number	%
Total number of confirmed cases	24,176	
Number of new cases since previous day	143	0.6
National incidence rate per 100,000 population	507.7	
Total number hospitalised	3,143	13.0
Total number admitted to ICU	390	1.6
Total number of deaths	1,308	5.4
National death rate per 100,000 population	27.5	
Total number of outbreaks/clusters	806	-
Total number cases associated with clusters	9,126	37.7
Total number of imported cases	358	1.5
Number of cases in Healthcare workers	7,661	31.7
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 24,176 confirmed cases of COVID-19 were notified in Ireland **before midnight May 17th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

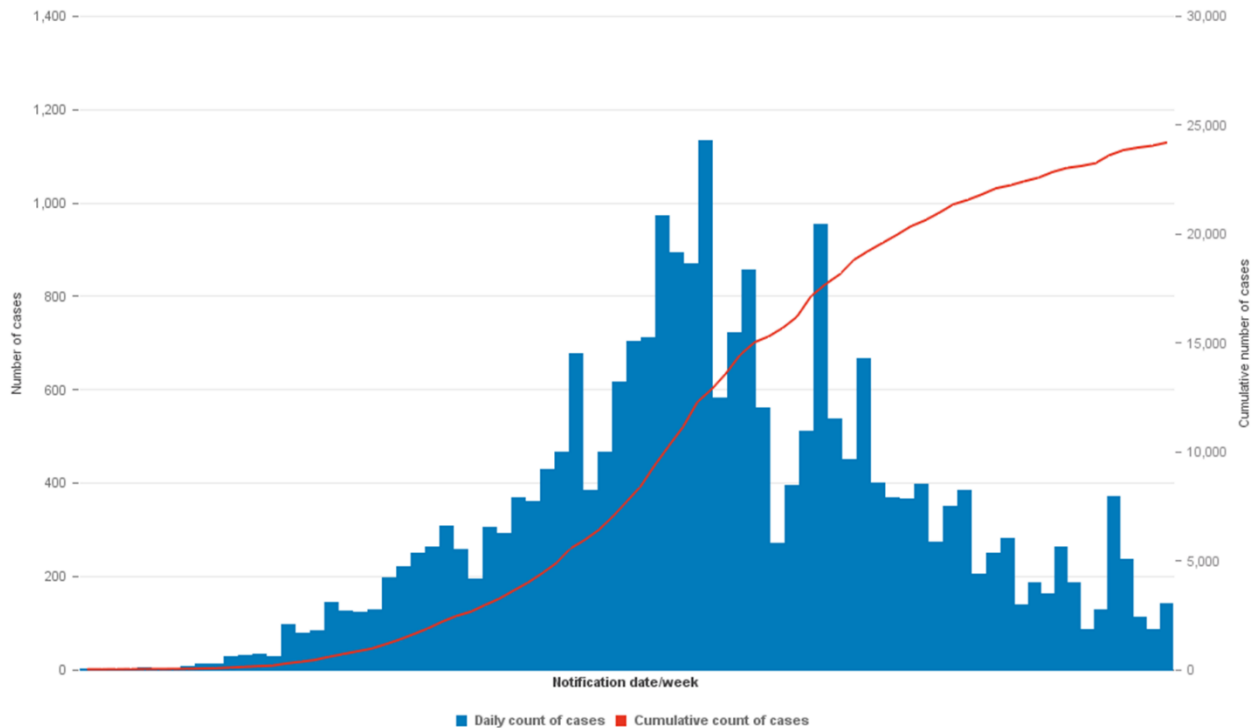


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 17th 2020.

Data source: CIDR as of 19/05/2020 9:20

Outbreaks/Clusters

There were 806 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 17th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 17th 2020, Ireland

Characteristic	Number of cases	%
Total	24,176	100
Sex		
Female	13841	57.3
Male	10296	42.6
Unknown	39	0.2
Age group (years)		
<1	44	0.2
1-4	90	0.4
5-14	275	1.1
15-24	1744	7.2
25-34	4066	16.8
35-44	4249	17.6
45-54	4357	18.0
55-64	3119	12.9
65-74	1727	7.1
75-84	2205	9.1
85+	2276	9.4
Unknown	24	0.1
HSE area		
HSE East	13797	57.1
HSE Midlands	1650	6.8
HSE Mid-West	1329	5.5
HSE North-East	2810	11.6
HSE North-West	686	2.8
HSE South-East	923	3.8
HSE South	1680	6.9
HSE West	1301	5.4

Data source: CIDR as of 19/05/2020 9:20

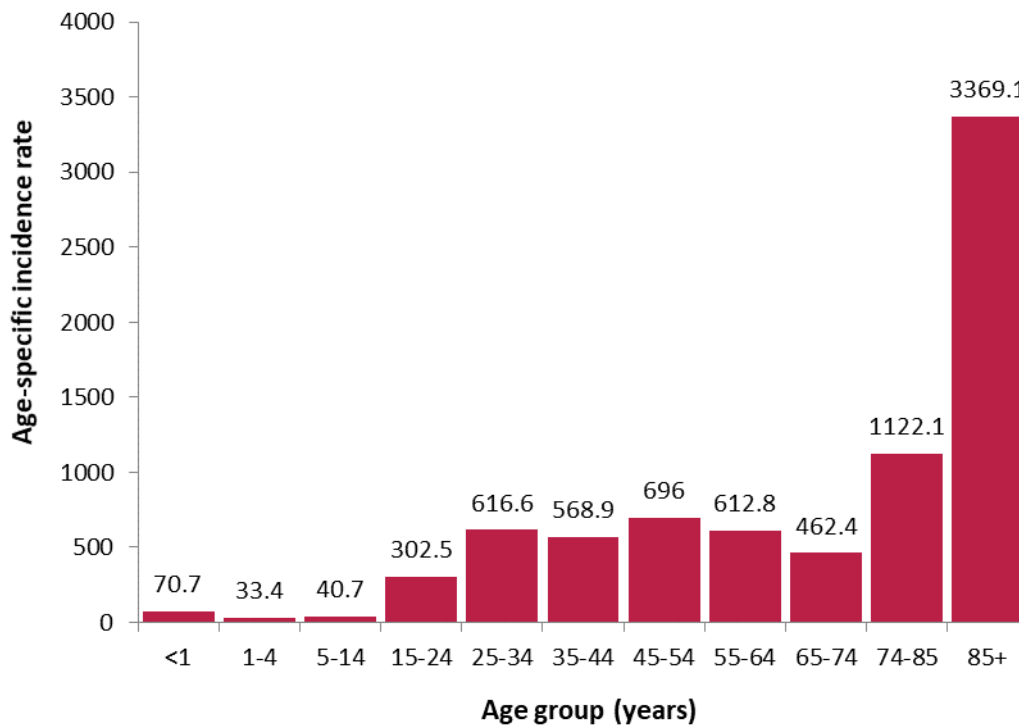
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 17th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	19,559	80.9
Other than Ireland	358	1.5
Unknown	4259	17.6
Total	24,176	100

Data source: CIDR as of 19/05/2020 9:20

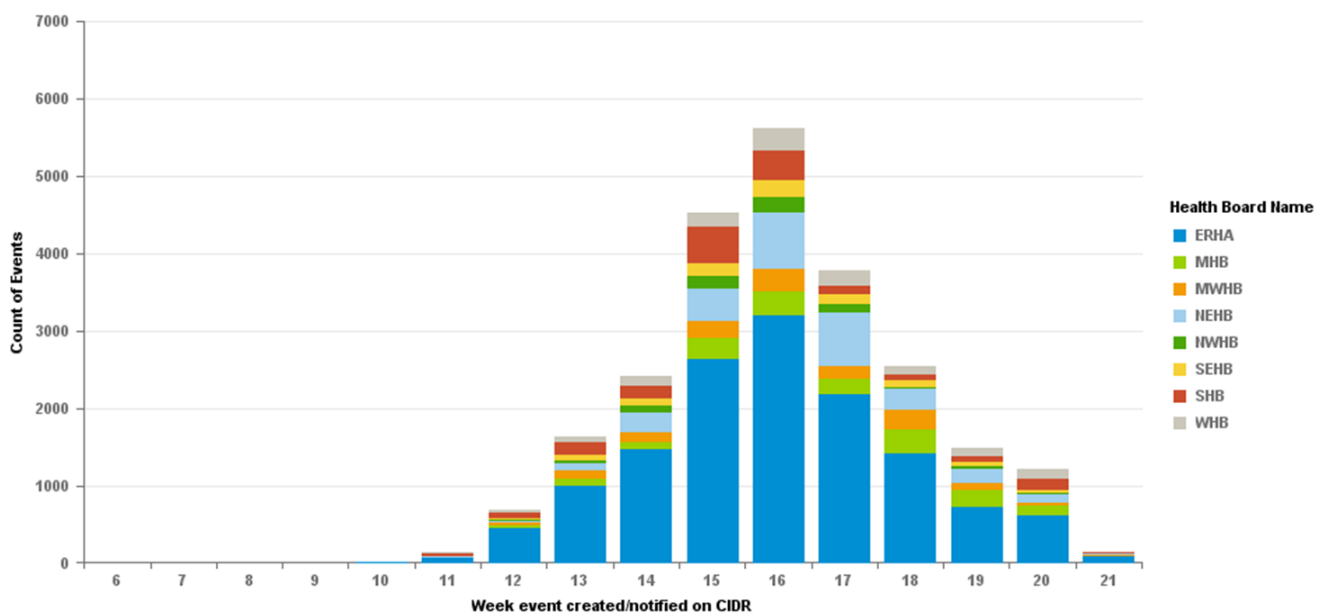
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 17th 2020, Ireland



Data source: CIDR as of 19/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 17th 2020, by HSE Area and week of notification



Data source: CIDR as of 19/05/2020 9:20

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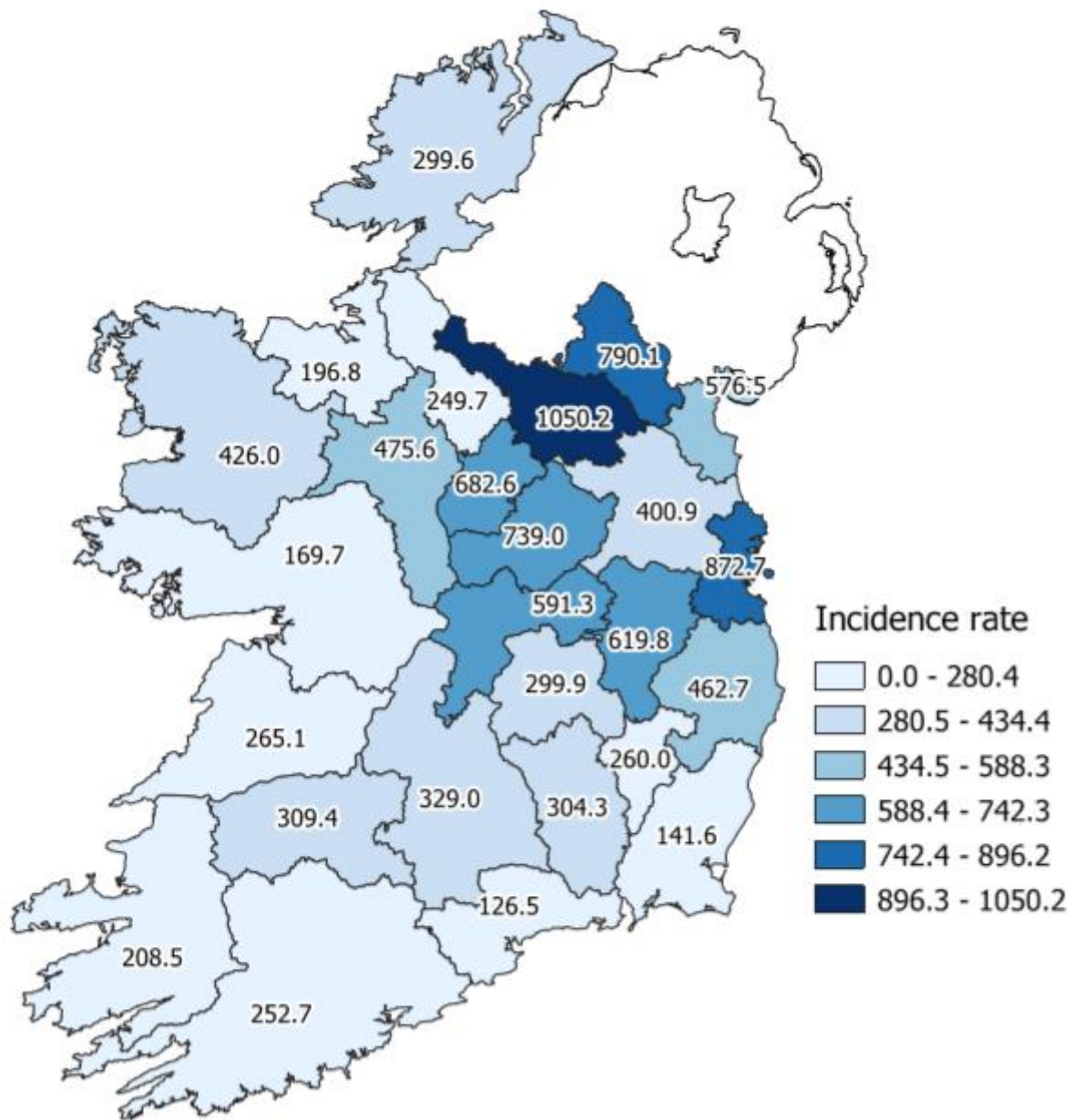


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 17th 2020 by county, Ireland

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 19/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Note: Data are provisional

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 17th 2020 by county

County Name	Number of cases	%
Carlow	148	0.6
Cavan	800	3.3
Clare	315	1.3
Cork	1372	5.7
Donegal	477	2.0
Dublin	11759	48.6
Galway	438	1.8
Kerry	308	1.3
Kildare	1379	5.7
Kilkenny	302	1.2
Laois	254	1.1
Leitrim	80	0.3
Limerick	603	2.5
Longford	279	1.2
Louth	743	3.1
Mayo	556	2.3
Meath	782	3.2
Monaghan	485	2.0
Offaly	461	1.9
Roscommon	307	1.3
Sligo	129	0.5
Tipperary	525	2.2
Waterford	147	0.6
Westmeath	656	2.7
Wexford	212	0.9
Wicklow	659	2.7
Total	24176	100

Data source: CIDR as of 19/05/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight May 17th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,559	10.6
Possible community transmission	9,351	38.7
Local transmission	6,656	27.5
Possible local transmission	802	3.3
Travel abroad	356	1.5
Possible travel abroad	214	0.9
Unknown	4,238	17.5
Total	24,176	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 19/05/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 17th 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	134	19	0.6	0	0.0	0	0.0
5 - 14	275	17	0.5	2	0.5	0	0.0
15-24	1744	70	2.2	5	1.3	2	0.2
25-34	4066	188	6.0	14	3.6	5	0.4
35-44	4249	248	7.9	32	8.2	10	0.8
45-54	4357	422	13.4	80	20.5	23	1.8
55-64	3119	463	14.7	111	28.5	56	4.3
65-74	1727	553	17.6	99	25.4	190	14.5
75-84	2205	708	22.5	40	10.3	451	34.5
85+	2276	453	14.4	7	1.8	571	43.7
Unknown	24	2	0.1	0	0.0		0.0
Total	24176	3143	100	390	100	1308	100

Data source: CIDR as of 19/05/2020 9:20

Of the 24,176 laboratory confirmed COVID-19 cases, 1,308 have died, giving a case fatality rate of 5.4%. Of the patients who were hospitalised, 12% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 17th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	95	4197	296	4588
HSE Midlands	12	297	113	422
HSE Mid-West	16	127	210	353
HSE North-East	11	763	287	1061
HSE North-West	8	117	128	253
HSE South-East	5	16	272	293
HSE South	22	122	241	385
HSE West	7	85	214	306
Total	176	5724	1761	7661

Data source: CIDR as of 19/05/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 17th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	120	16	14	38	7	15	12	36	258	32
Residential institution	101	11	6	14	4	10	20	4	170	21.1
Private house	5	6	10	9	5	24	65	21	145	18
Hospital	53	2	2	14	2	3	12	6	94	11.7
Workplace	7	5	5	7	1	4	7	2	38	4.7
Comm. Hosp/Long-stay unit	6	4			4	5	8	4	31	3.8
Travel related		3	5	4	2	1	5	2	22	2.7
Extended family	2		5		2	3	3	2	17	2.1
Community outbreak	5	1	2	2			1	3	14	1.7
Other	3		3			1	4		11	1.4
Public house		2	1				1		4	0.5
Hotel							2		2	0.2
Total	302	50	53	88	27	66	140	80	806	100.0

Data source: CIDR as of 19/05/2020 9:20

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.