



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 10/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 10th May 2020 at 9:25 am for events created on CIDR up to midnight Friday 8th May 2020.

Characteristic	Number	%
Total number of confirmed cases	22,671	
Number of new cases since previous day	177	0.8
Total number hospitalised	2,986	13.2
Total number admitted to ICU	383	1.7
Total number of deaths	1,203	5.3
Total number of outbreaks/clusters	750	-
Total number cases associated with clusters	8,149	35.9
Total number of imported cases	361	1.6
Number of cases in Healthcare workers	6,771	29.9
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total 22,671 confirmed cases of COVID-19 were notified in Ireland **before midnight May 8th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

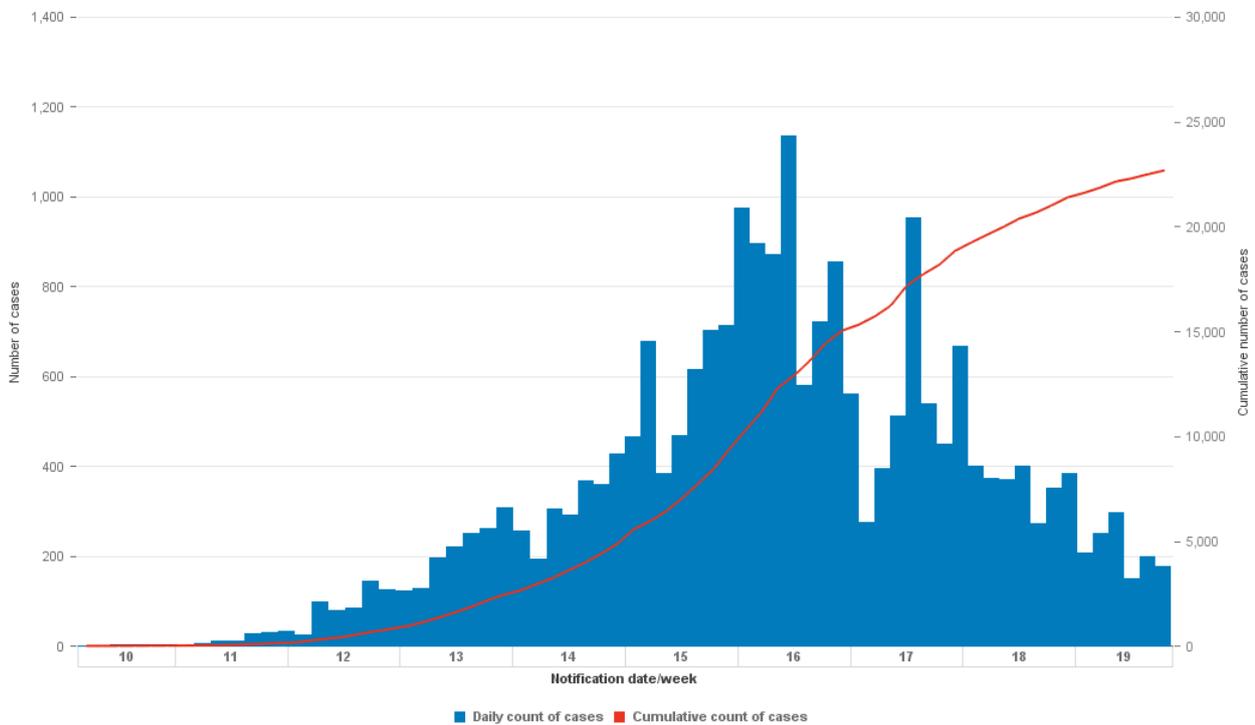


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 8th 2020.

Data source: CIDR as of 10/05/2020 9:25

Outbreaks/Clusters

There were 750 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 8th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 8th 2020, Ireland

Characteristic	Number of cases	%
Total	22,671	100
Sex		
Female	12980	57.3
Male	9627	42.5
Unknown	64	0.3
Age group (years)		
<1	40	0.2
1-4	79	0.3
5-14	252	1.1
15-24	1582	7.0
25-34	3707	16.4
35-44	3919	17.3
45-54	4111	18.1
55-64	2958	13.0
65-74	1661	7.3
75-84	2136	9.4
85+	2200	9.7
Unknown	26	0.1
HSE area		
HSE East	13035	57.5
HSE Midlands	1502	6.6
HSE Mid-West	1284	5.7
HSE North-East	2678	11.8
HSE North-West	651	2.9
HSE South-East	866	3.8
HSE South	1510	6.7
HSE West	1145	5.1

Data source: CIDR as of 10/05/2020 9:25

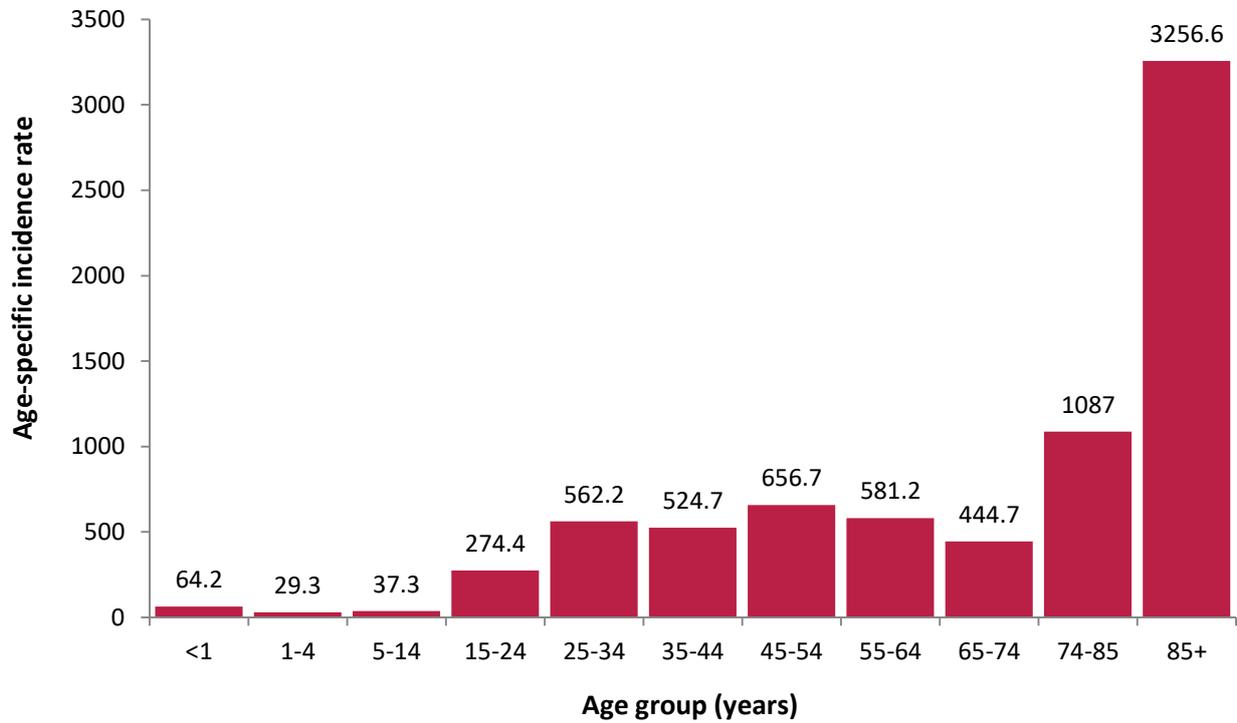
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 8th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	18,073	79.7
Other than Ireland	361	1.6
Unknown	4237	18.7
Total	22,671	100

Data source: CIDR as of 10/05/2020 9:25

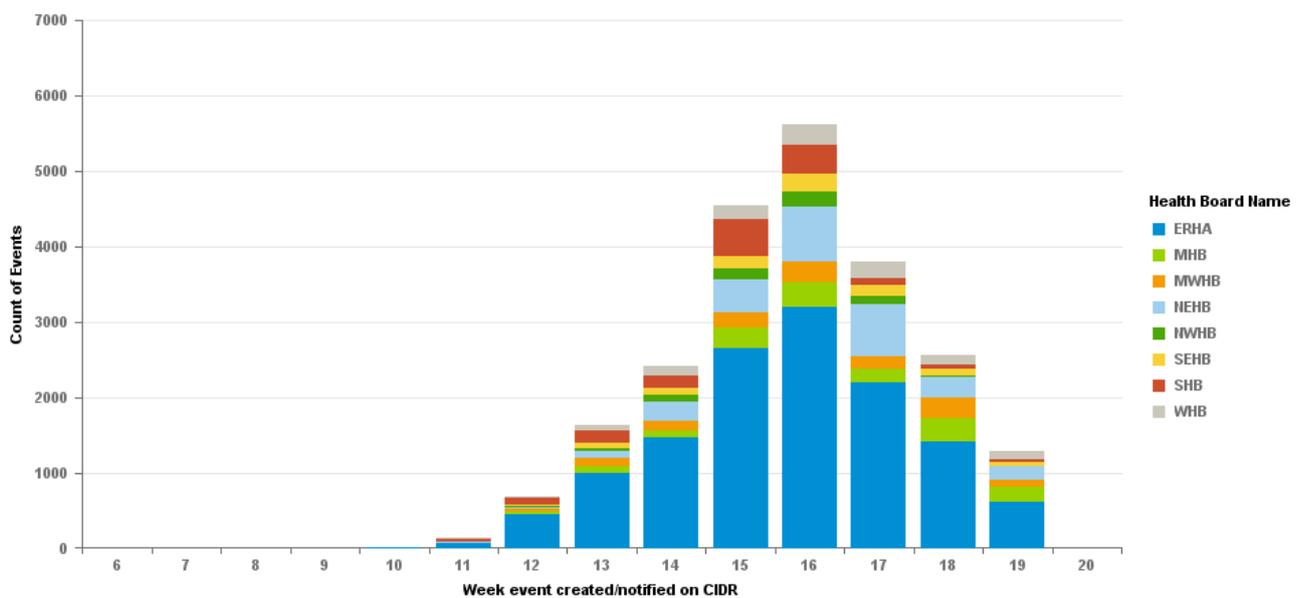
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 8th 2020, Ireland



Data source: CIDR as of 10/05/2020 9:25, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 8th 2020, by HSE Area and week of notification



Data source: CIDR as of 10/05/2020 9:25

Note: Data are provisional

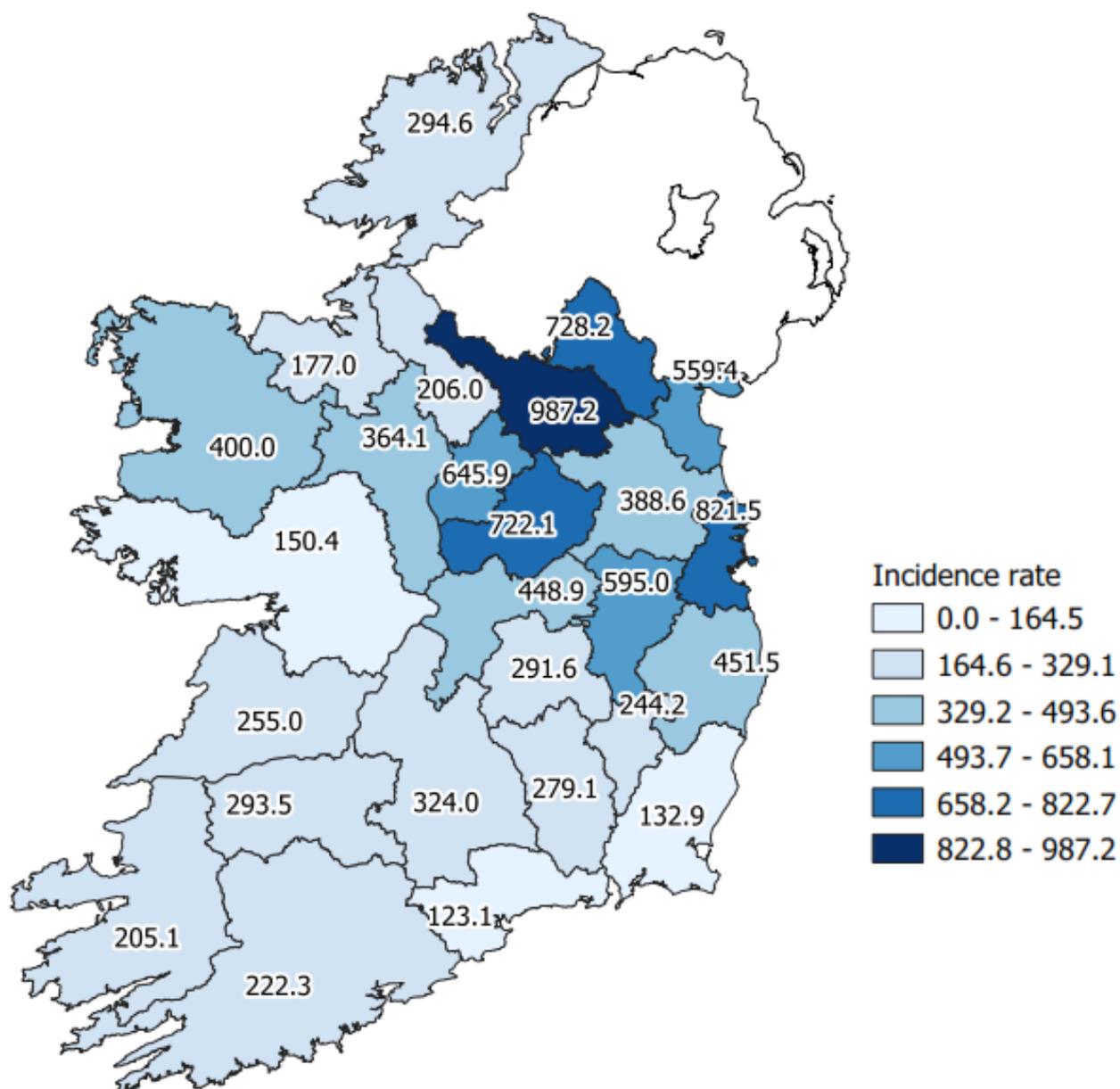


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 8th 2020 by county, Ireland

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 10/05/2020 9:25, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 8th 2020 by county

County Name	Number of cases	%
Carlow	139	0.6
Cavan	752	3.3
Clare	303	1.3
Cork	1207	5.3
Donegal	469	2.1
Dublin	11068	48.8
Galway	388	1.7
Kerry	303	1.3
Kildare	1324	5.8
Kilkenny	277	1.2
Laois	247	1.1
Leitrim	66	0.3
Limerick	572	2.5
Longford	264	1.2
Louth	721	3.2
Mayo	522	2.3
Meath	758	3.3
Monaghan	447	2.0
Offaly	350	1.5
Roscommon	235	1.0
Sligo	116	0.5
Tipperary	517	2.3
Waterford	143	0.6
Westmeath	641	2.8
Wexford	199	0.9
Wicklow	643	2.8
Total	22,671	100

Data source: CIDR as of 10/05/2020 9:25

Table 4: Number of confirmed COVID-19 cases notified to midnight May 8th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,547	11.2
Possible community transmission	8,763	38.7
Local transmission	5,886	26.0
Possible local transmission	705	3.1
Travel abroad	351	1.5
Possible travel abroad	213	0.9
Unknown	4,206	18.6
Total	22,671	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 10/05/2020 9:25

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 8th 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	119	18	0.6	0	0.0		0.0
5 - 14	252	17	0.6	2	0.5		0.0
15-24	1582	65	2.2	5	1.3	2	0.2
25-34	3707	179	6.0	14	3.7	5	0.4
35-44	3919	240	8.0	32	8.4	10	0.8
45-54	4111	404	13.5	78	20.4	21	1.7
55-64	2958	436	14.6	113	29.5	51	4.2
65-74	1661	524	17.5	96	25.1	176	14.6
75-84	2136	676	22.6	37	9.7	411	34.2
85+	2200	425	14.2	6	1.6	527	43.8
Unknown	26	2	0.1	0	0.0	0	0.0
Total	22,671	2,986	100	383	100	1,203	100

Data source: CIDR as of 10/05/2020 9:25

Of the 22,671 laboratory confirmed COVID-19 cases, 1,203 have died, giving a case fatality rate of 5.3%. Of the patients who were hospitalised, 13% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 8th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	91	3718	221	4030
HSE Midlands	12	270	114	396
HSE Mid-West	16	112	173	301
HSE North-East	10	465	444	919
HSE North-West	8	114	114	236
HSE South-East	5	15	247	267
HSE South	22	120	223	365
HSE West	7	82	168	257
Total	171	4896	1704	6771

Data source: CIDR as of 10/05/2020 9:25

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 8th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	110	16	11	38	5	15	9	34	238	31.7
Residential institution	82	13	4	11	3	9	19	4	145	19.3
Private house	4	6	9	9	5	24	64	21	142	18.9
Hospital	51	2	2	12	2	3	12	5	89	11.9
Workplace	7	6	5	3	1	4	7	2	35	4.7
Comm. Hosp/Long-stay unit	6	4			4	4	8	4	30	4
Travel related		3	5	4	2	1	5	2	22	2.9
Extended family	2		5		2	3	3	1	16	2.1
Community outbreak	5	1	1	2			1	3	13	1.7
Public house		2	1				1		4	0.5
Hotel							2		2	0.3
Other	3		3	1		1	4		12	1.6
Not Specified	1						1		2	0.3
Total	271	53	46	80	24	64	136	76	750	100

Data source: CIDR as of 10/05/2020 9:25

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.