



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 11/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 11th May 2020 at 9:20 am for events created on CIDR up to midnight Saturday 9th May 2020.

Characteristic	Number	%
Total number of confirmed cases	22,894	
Number of new cases since previous day	278	1.2
Total number hospitalised	2,998	13.1
Total number admitted to ICU	383	1.7
Total number of deaths	1,217	5.3
Total number of outbreaks/clusters	755	-
Total number cases associated with clusters	8,208	35.9
Total number of imported cases	361	1.6
Number of cases in Healthcare workers	6,834	29.9
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total 22,894 confirmed cases of COVID-19 were notified in Ireland **before midnight May 9th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

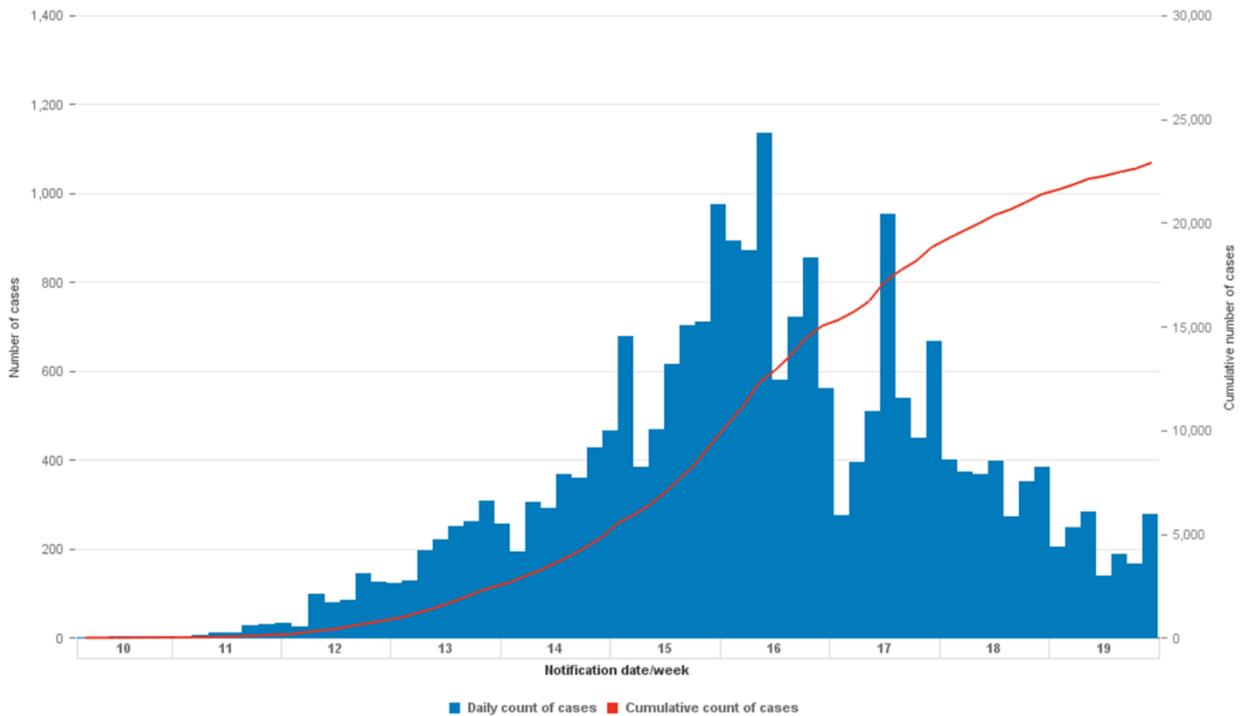


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 9th 2020.

Data source: CIDR as of 11/05/2020 9:20

Outbreaks/Clusters

There were 755 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 9th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 9th 2020, Ireland

Characteristic	Number of cases	%
Total	22,894	100
Sex		
Female	13129	57.3
Male	9698	42.4
Unknown	67	0.3
Age group (years)		
<1	42	0.2
1-4	79	0.3
5-14	258	1.1
15-24	1604	7.0
25-34	3745	16.4
35-44	3964	17.3
45-54	4148	18.1
55-64	2987	13.0
65-74	1671	7.3
75-84	2147	9.4
85+	2223	9.7
Unknown	26	0.1
HSE area		
HSE East	13152	57.4
HSE Midlands	1509	6.6
HSE Mid-West	1302	5.7
HSE North-East	2692	11.8
HSE North-West	669	2.9
HSE South-East	874	3.8
HSE South	1535	6.7
HSE West	1161	5.1

Data source: CIDR as of 11/05/2020 9:20

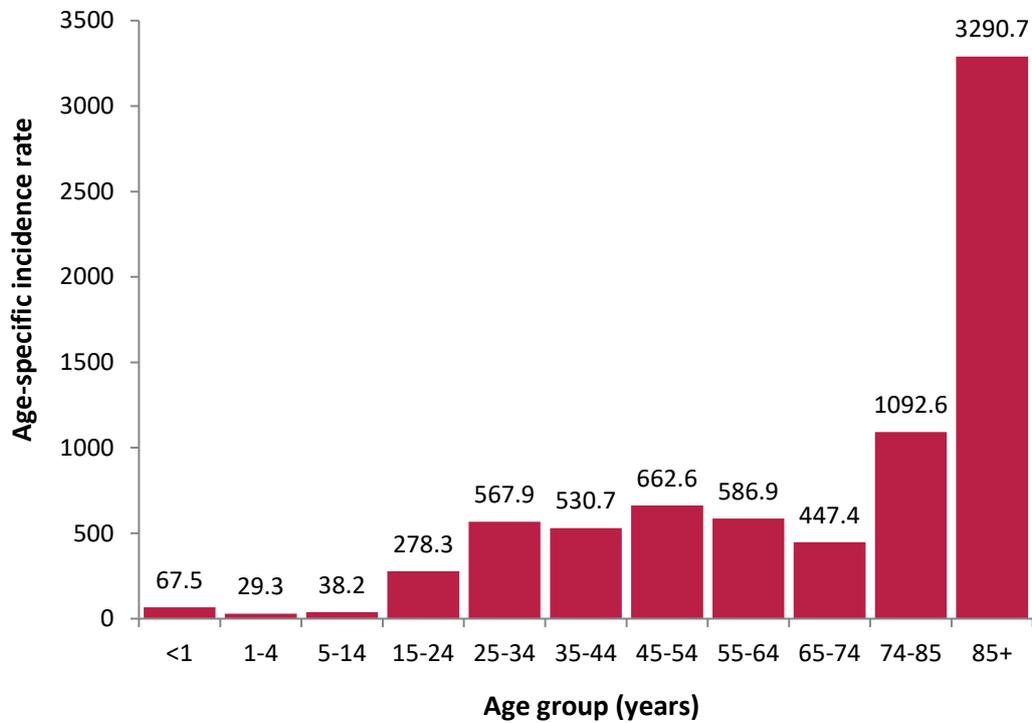
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 9th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	18,239	79.7
Other than Ireland	361	1.6
Unknown	4294	18.8
Total	22,894	100

Data source: CIDR as of 11/05/2020 9:20

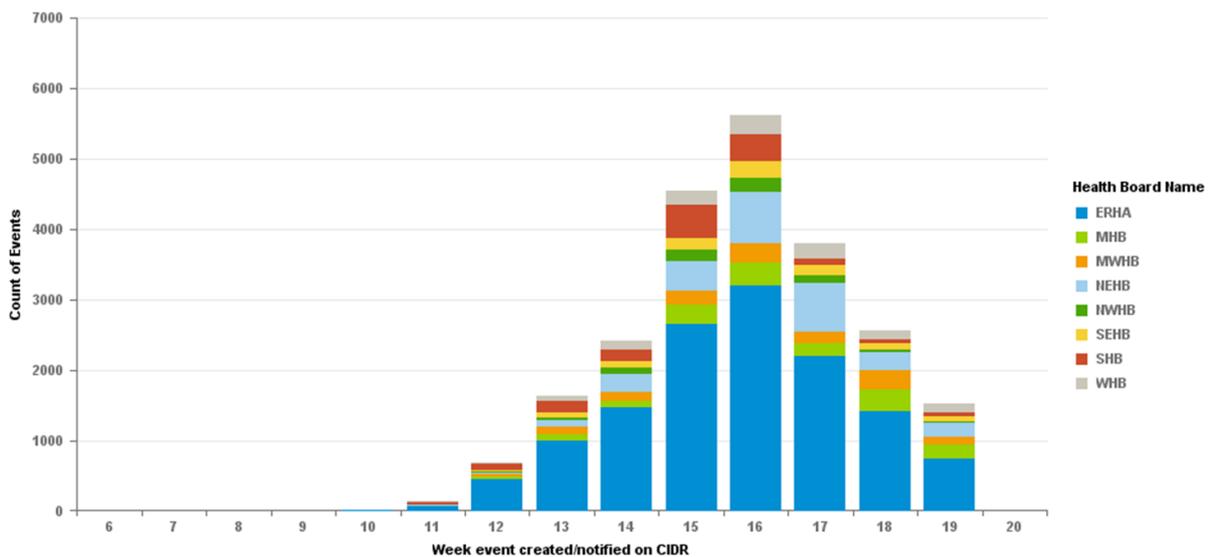
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Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 9th 2020, Ireland



Data source: CIDR as of 11/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 9th 2020, by HSE Area and week of notification



Data source: CIDR as of 11/05/2020 9:20

Note: Data are provisional

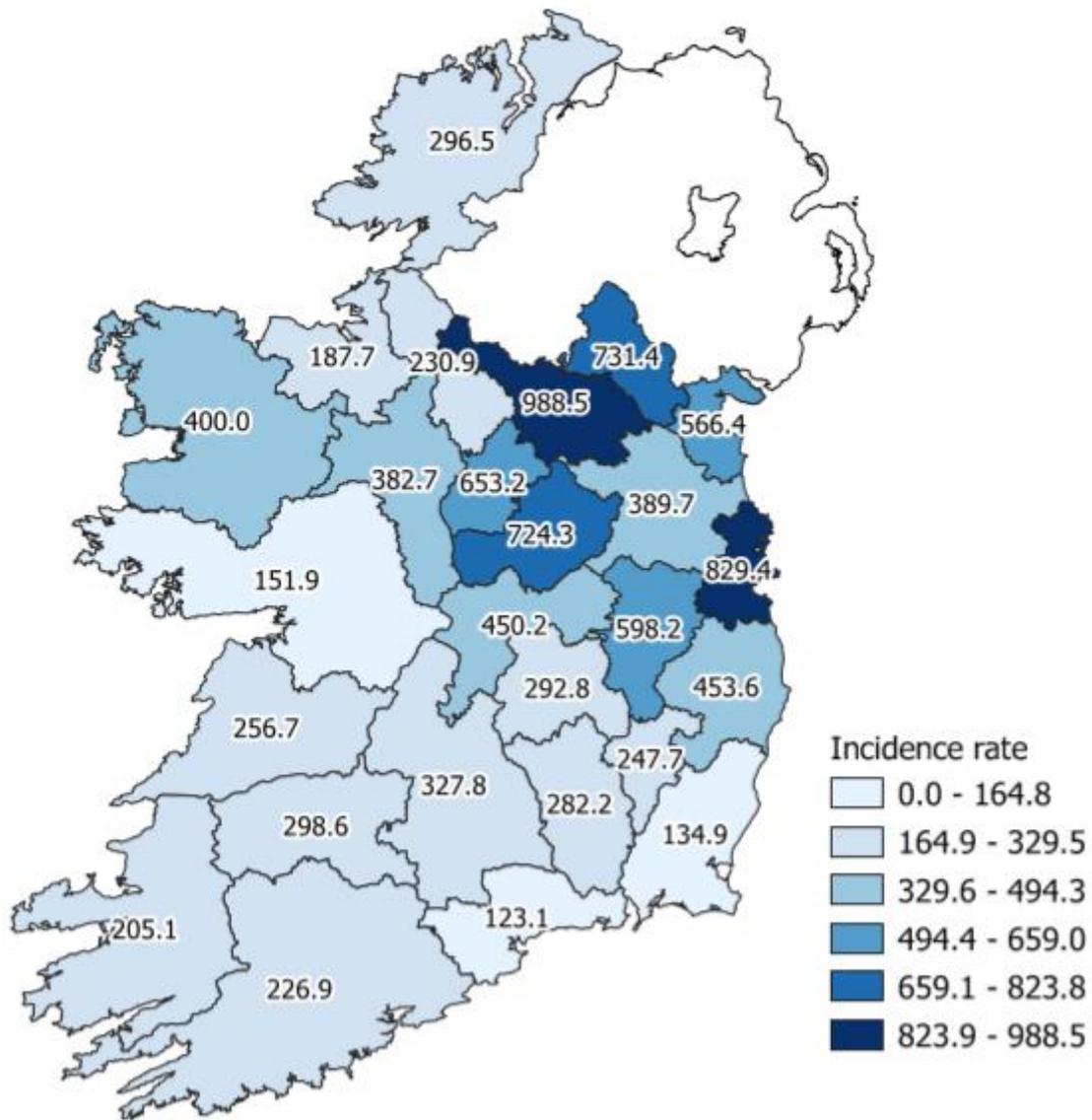


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 9th 2020 by county, Ireland

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 11/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 9th 2020 by county

County Name	Number of cases	%
Carlow	141	0.6
Cavan	753	3.3
Clare	305	1.3
Cork	1232	5.4
Donegal	472	2.1
Dublin	11175	48.8
Galway	392	1.7
Kerry	303	1.3
Kildare	1331	5.8
Kilkenny	280	1.2
Laois	248	1.1
Leitrim	74	0.3
Limerick	582	2.5
Longford	267	1.2
Louth	730	3.2
Mayo	522	2.3
Meath	760	3.3
Monaghan	449	2.0
Offaly	351	1.5
Roscommon	247	1.1
Sligo	123	0.5
Tipperary	523	2.3
Waterford	143	0.6
Westmeath	643	2.8
Wexford	202	0.9
Wicklow	646	2.8
Total	22894	100

Data source: CIDR as of 11/05/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight May 9th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,550	11.1
Possible community transmission	8,813	38.5
Local transmission	5,992	26.2
Possible local transmission	711	3.1
Travel abroad	351	1.5
Possible travel abroad	213	0.9
Unknown	4,264	18.6
Total	22,894	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 11/05/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 9th 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	121	18	0.6		0.0		0.0
5 - 14	258	17	0.6	2	0.5		0.0
15-24	1604	65	2.2	6	1.6	2	0.2
25-34	3745	178	5.9	14	3.7	5	0.4
35-44	3964	239	8.0	33	8.6	10	0.8
45-54	4148	405	13.5	78	20.4	21	1.7
55-64	2987	436	14.5	111	29.0	52	4.3
65-74	1671	525	17.5	96	25.1	178	14.6
75-84	2147	683	22.8	37	9.7	417	34.3
85+	2223	430	14.3	6	1.6	532	43.7
Unknown	26	2	0.1		0.0		0.0
Total	22894	2998	100	383	100	1217	100

Data source: CIDR as of 11/05/2020 9:20

Of the 22,894 laboratory confirmed COVID-19 cases, 1217 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 9th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	92	3749	219	4060
HSE Midlands	12	273	114	399
HSE Mid-West	16	113	175	304
HSE North-East	10	482	443	935
HSE North-West	8	114	124	246
HSE South-East	5	15	248	268
HSE South	22	120	223	365
HSE West	7	82	168	257
Total	172	4948	1714	6834

Data source: CIDR as of 11/05/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 9th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	112	16	11	38	5	15	9	35	241	31.9
Residential institution	83	13	4	11	3	9	20	4	147	19.5
Private house	4	6	9	9	5	24	64	21	142	18.8
Hospital	51	2	2	12	2	3	12	5	89	11.8
Workplace	7	6	5	3	1	4	7	2	35	4.6
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
Other	3		3	1		1	4		12	1.6
Public house		2	1				1		4	0.5
Hotel							2		2	0.3
Not Specified	1						1		2	0.3
Total	274	53	46	80	24	64	137	77	755	100

Data source: CIDR as of 11/05/2020 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.