



Epidemiology of COVID-19 in Ireland

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

Note: Data are provisional

Summary

This report includes data as of 5th May 2020 at 9:20 am for events created on CIDR up to midnight Sunday 3rd May 2020.

Characteristic	Number	%
Total number of confirmed cases	21,659	
Number of new cases since previous day	229	1.1
Total number hospitalised	2,879	13.3
Total number admitted to ICU	369	1.7
Total number of deaths	1,099	5.1
Total number of outbreaks/clusters	706	-
Total number cases associated with clusters	7,179	33.1
Total number of imported cases	363	1.7
Number of cases in Healthcare workers	6,293	29.1
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total, 21,659 confirmed cases of COVID-19 were notified in Ireland **before midnight May 3rd 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

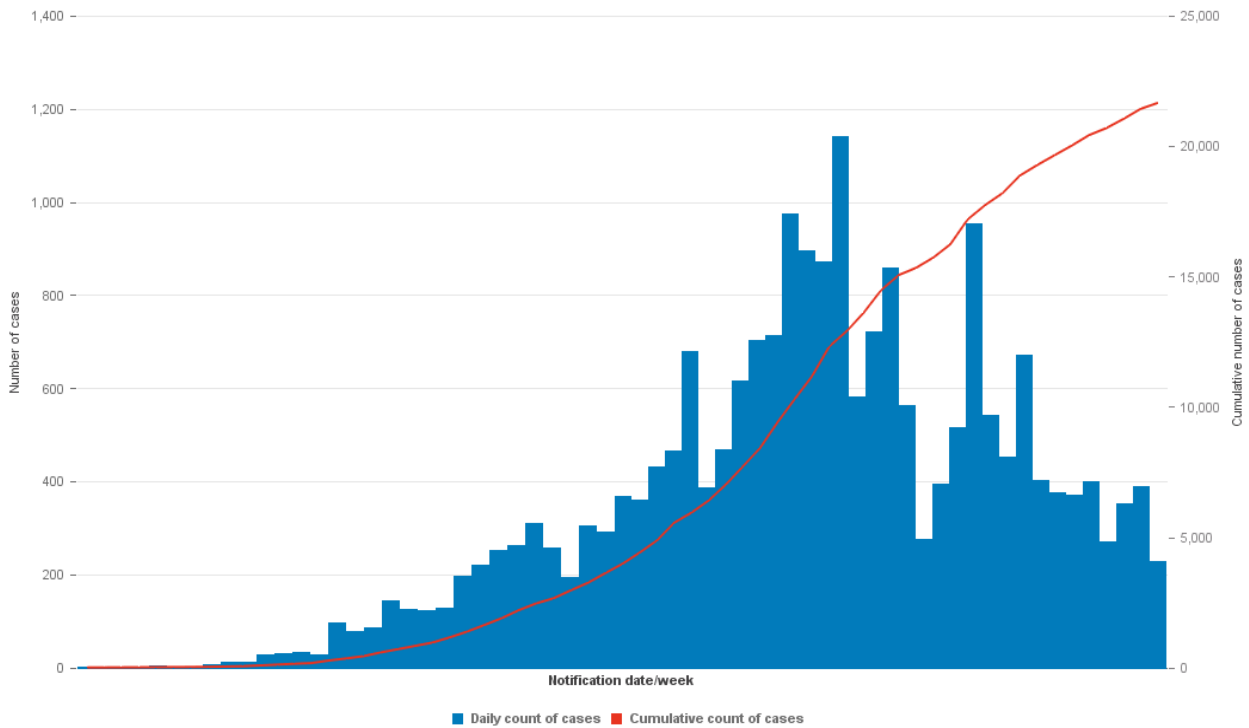


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 3rd 2020

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

Outbreaks/Clusters

There were 706 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 3rd 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 3rd 2020, Ireland

Characteristic	Number of cases	%
Total	21,659	100
Sex		
Female	12446	57.5
Male	9151	42.3
Unknown	62	0.3
Age group (years)		
<1	39	0.2
1-4	72	0.3
5-14	230	1.1
15-24	1475	6.8
25-34	3496	16.1
35-44	3714	17.1
45-54	3956	18.3
55-64	2843	13.1
65+	5810	26.8
Unknown	24	0.1
HSE area		
HSE East	12575	58.1
HSE Midlands	1337	6.2
HSE Mid-West	1217	5.6
HSE North-East	2524	11.7
HSE North-West	657	3.0
HSE South-East	811	3.7
HSE South	1478	6.8
HSE West	1060	4.9

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

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 3rd 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	16,698	77.1
Other than Ireland	363	1.7
Unknown	4598	21.2
Total	21,659	100

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

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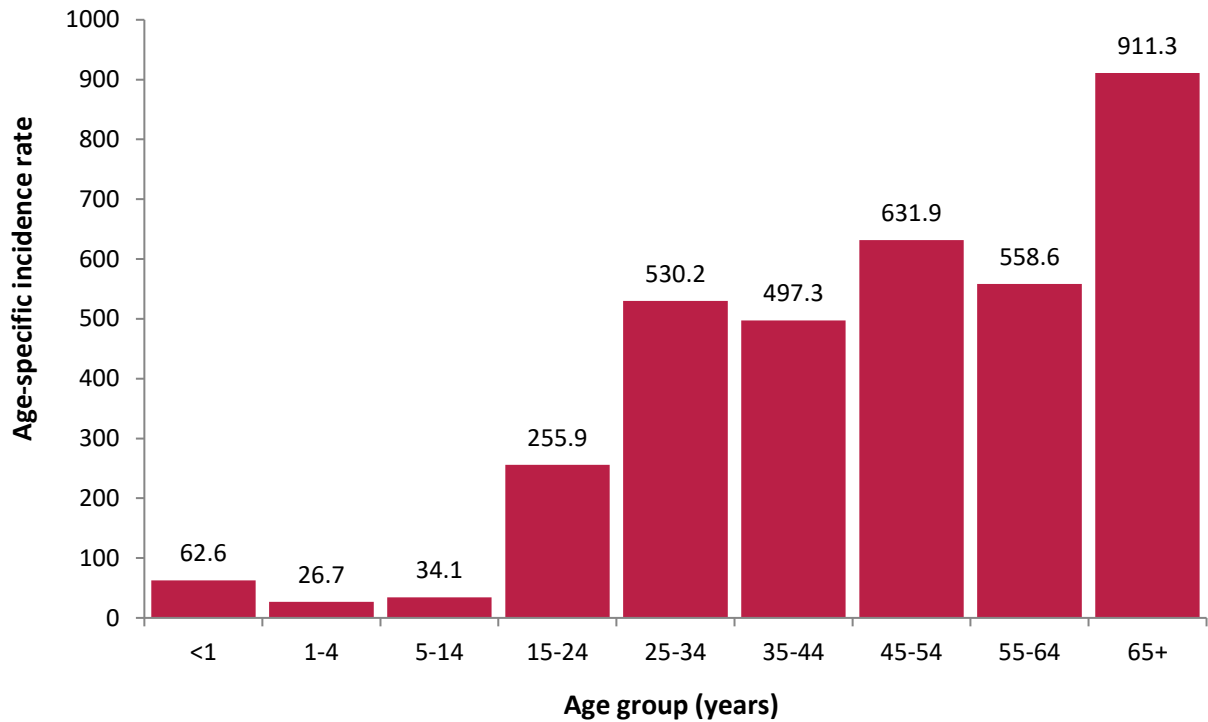


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 3rd 2020, Ireland

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

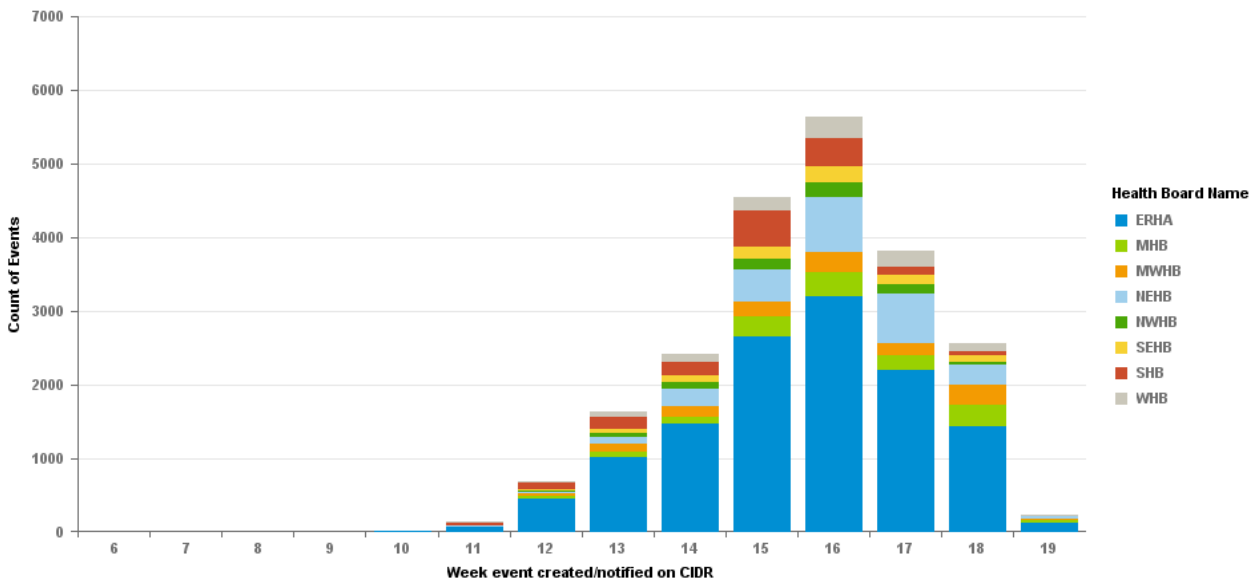


Figure 3: Confirmed cases of COVID-19 notified to midnight May 3rd 2020, by HSE Area and week of notification

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

Note: Data are provisional

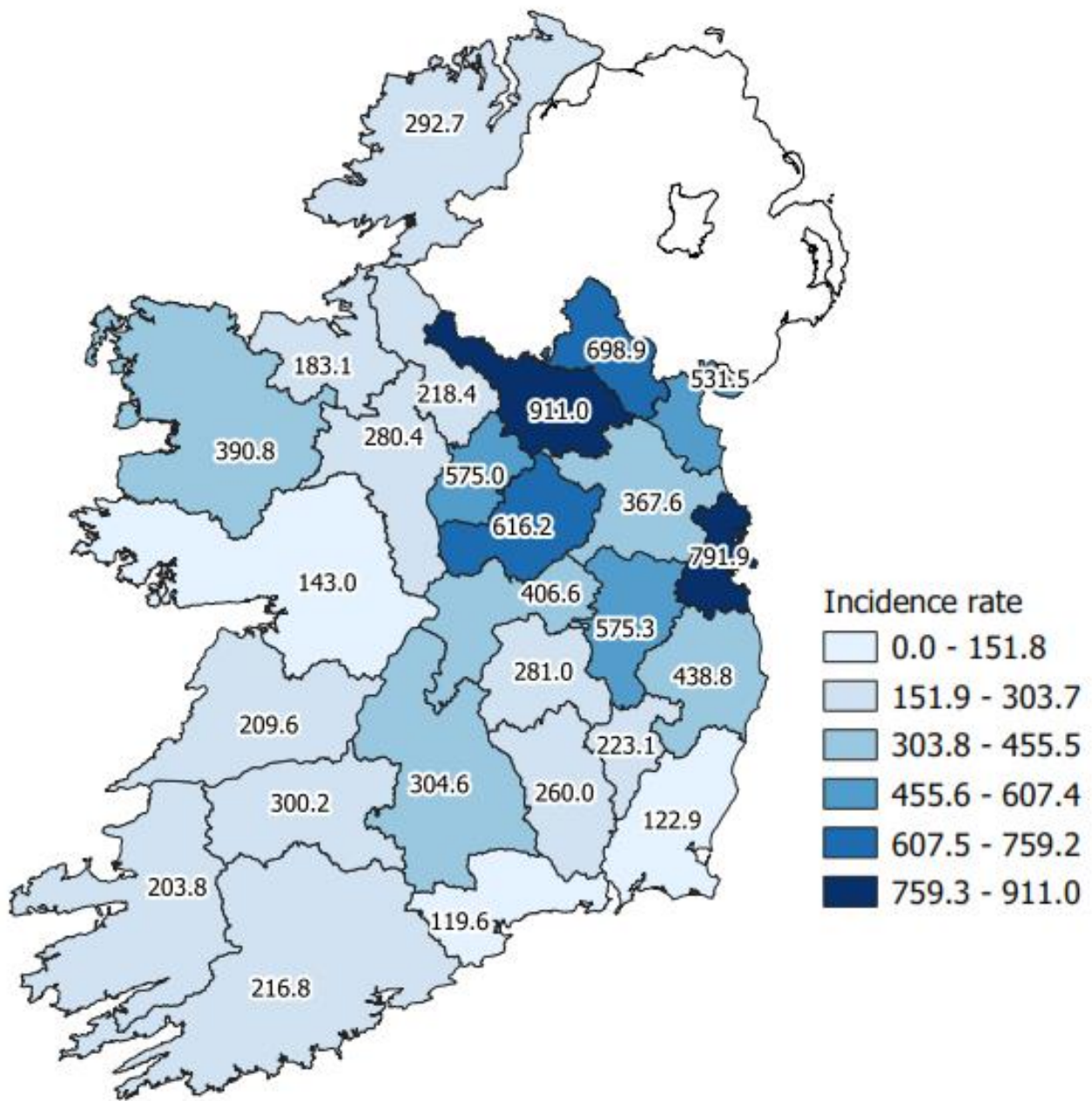


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 3rd 2020 by county, Ireland

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 05/05/2020 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 3rd 2020 by county

County Name	Number of cases	%
Carlow	127	0.6
Cavan	694	3.2
Clare	249	1.1
Cork	1177	5.4
Donegal	466	2.2
Dublin	10670	49.3
Galway	369	1.7
Kerry	301	1.4
Kildare	1280	5.9
Kilkenny	258	1.2
Laois	238	1.1
Leitrim	70	0.3
Limerick	585	2.7
Longford	235	1.1
Louth	685	3.2
Mayo	510	2.4
Meath	717	3.3
Monaghan	429	2.0
Offaly	317	1.5
Roscommon	181	0.8
Sligo	120	0.6
Tipperary	486	2.2
Waterford	139	0.6
Westmeath	547	2.5
Wexford	184	0.8
Wicklow	625	2.9
Total	21659	100

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

Table 4: Number of confirmed COVID-19 cases notified to midnight May 3rd 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,532	11.7
Possible community transmission	8,096	37.4
Local transmission	5,401	24.9
Possible local transmission	506	2.3
Travel abroad	350	1.6
Possible travel abroad	180	0.8
Unknown	4,594	21.2
Total	21,659	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 05/05/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 3rd 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	111	18	0.6	0	0.0	0	0.0
5 - 14	230	13	0.5	1	0.3	0	0.0
15-24	1475	59	2.0	5	1.4	2	0.2
25-34	3496	179	6.2	14	3.8	4	0.4
35-44	3714	240	8.3	31	8.4	9	0.8
45-54	3956	389	13.5	80	21.7	20	1.8
55-64	2843	424	14.7	105	28.5	47	4.3
65+	5810	1555	54.0	133	36.0	1017	92.5
Unknown	24	2	0.1	0	0.0	0	0.0
Total	21659	2879	100	369	100	1099	100

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

Of the 21,659 laboratory confirmed COVID-19 cases, 1,099 have died, giving a case fatality rate of 5.1%. Of the patients who were hospitalised, 13% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 3rd 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	90	3446	214	3750
HSE Midlands	11	253	110	374
HSE Mid-West	16	91	183	290
HSE North-East	8	123	696	827
HSE North-West	8	114	111	233
HSE South-East	5	3	231	239
HSE South	20	108	210	338
HSE West	7	82	153	242
Total	165	4220	1908	6293

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

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 3rd 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	103	15	11	38	6	14	8	33	228	32.3
Residential institution	74	13	3	11	3	9	16	4	133	18.8
Private house	4	6	9	9	5	8	64	21	126	17.8
Hospital	50	2	2	12	2	3	12	5	88	12.5
Workplace	7	6	5	3	1	4	6	2	34	4.8
Comm. Hosp/Long-stay unit	5	4			5	4	8	4	30	4.2
Travel related		3	5	4	2	1	5	2	22	3.1
Extended family	2		4		2	3	3	1	15	2.1
Community outbreak	4	1	1	2			1	3	12	1.7
Public house		2	1				1		4	0.6
Hotel							1		1	0.1
Other	3		2	1		1	4		11	1.6
Not Specified	1						1		2	0.3
Total	253	52	43	80	26	47	130	75	706	100

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