



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 20/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 20th May 2020 at 9:20 am for events created on CIDR up to midnight Monday 18th May 2020.

Characteristic	Number	%
Total number of confirmed cases	24,204	
Number of new cases since previous day	43	0.2
National incidence rate per 100,000 population	508.3	
Total number hospitalised	3,164	13.1
Total number admitted to ICU	393	1.6
Total number of deaths	1,312	5.4
National death rate per 100,000 population	27.6	
Total number of outbreaks/clusters	810	-
Total number cases associated with clusters	9,197	38.0
Total number of imported cases	358	1.5
Number of cases in Healthcare workers	7,708	31.8
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 24,204 confirmed cases of COVID-19 were notified in Ireland **before midnight May 18th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

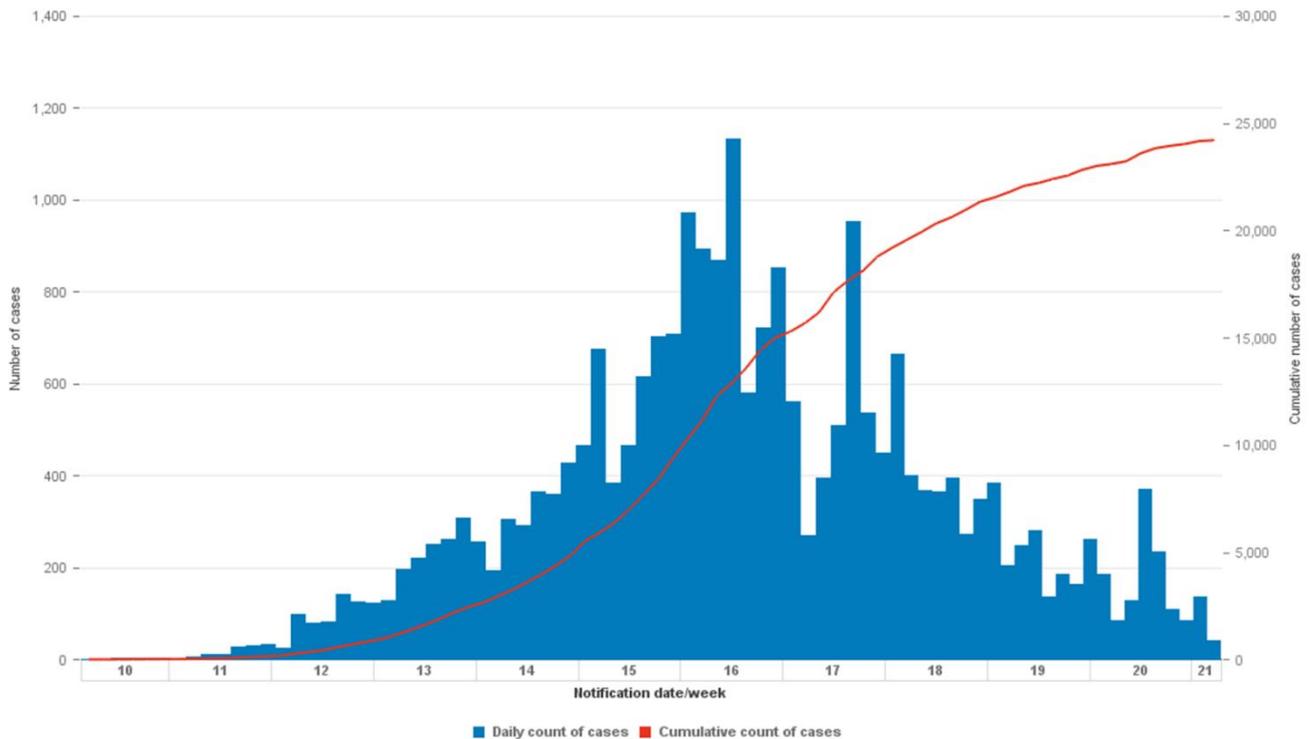


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 18th 2020.

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

Outbreaks/Clusters

There were 810 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 18th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 18th 2020, Ireland

Characteristic	Number of cases	%
Total	24,204	100
Sex		
Female	13859	57.3
Male	10307	42.6
Unknown	38	0.2
Age group (years)		
<1	44	0.2
1-4	91	0.4
5-14	277	1.1
15-24	1750	7.2
25-34	4069	16.8
35-44	4260	17.6
45-54	4361	18.0
55-64	3122	12.9
65-74	1727	7.1
75-84	2201	9.1
85+	2278	9.4
Unknown	24	0.1
HSE area		
HSE East	13769	56.9
HSE Midlands	1659	6.9
HSE Mid-West	1337	5.5
HSE North-East	2819	11.6
HSE North-West	688	2.8
HSE South-East	937	3.9
HSE South	1684	7.0
HSE West	1311	5.4

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

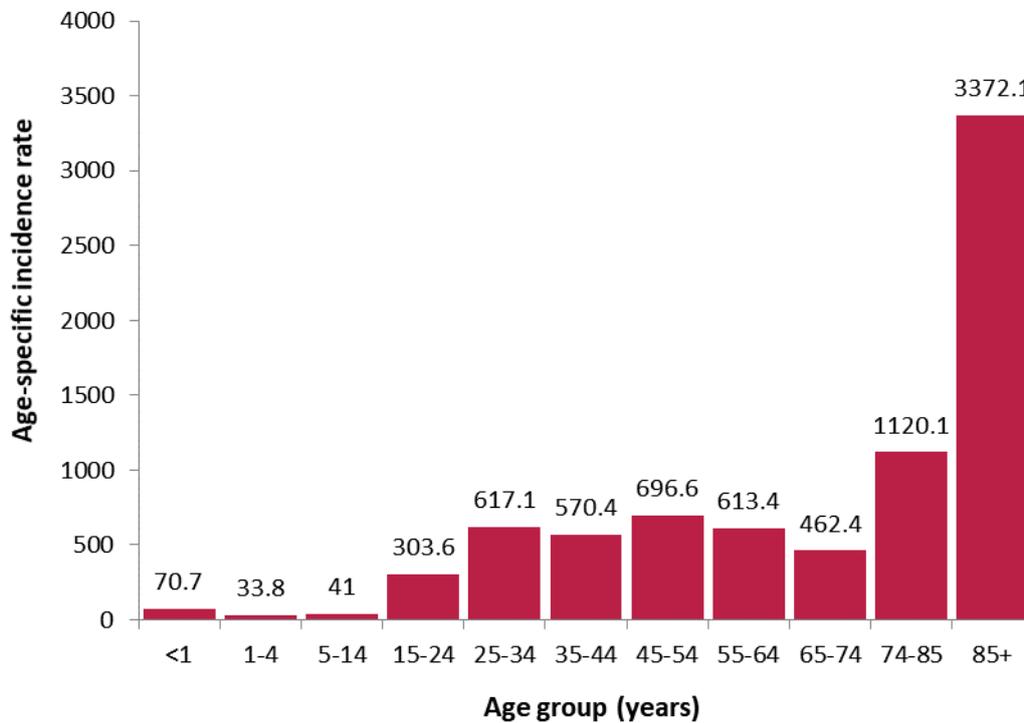
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 18th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	19,578	80.9
Other than Ireland	358	1.5
Unknown	4268	17.6
Total	24,204	100

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

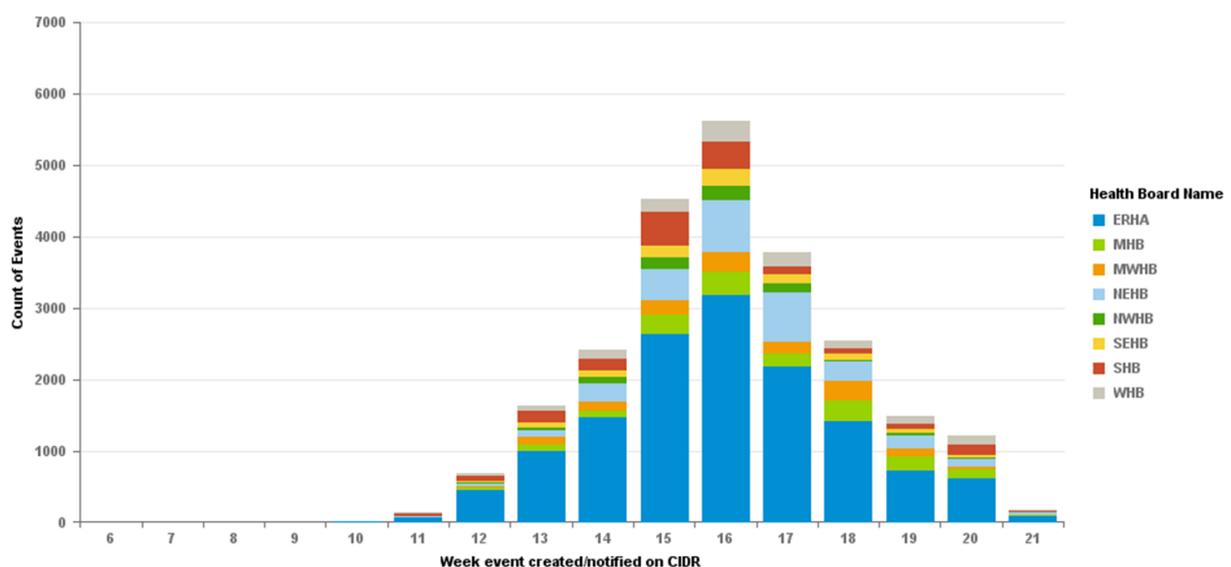
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 18th 2020, Ireland



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

Figure 3: Confirmed cases of COVID-19 notified to midnight May 18th 2020, by HSE Area and week of notification



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

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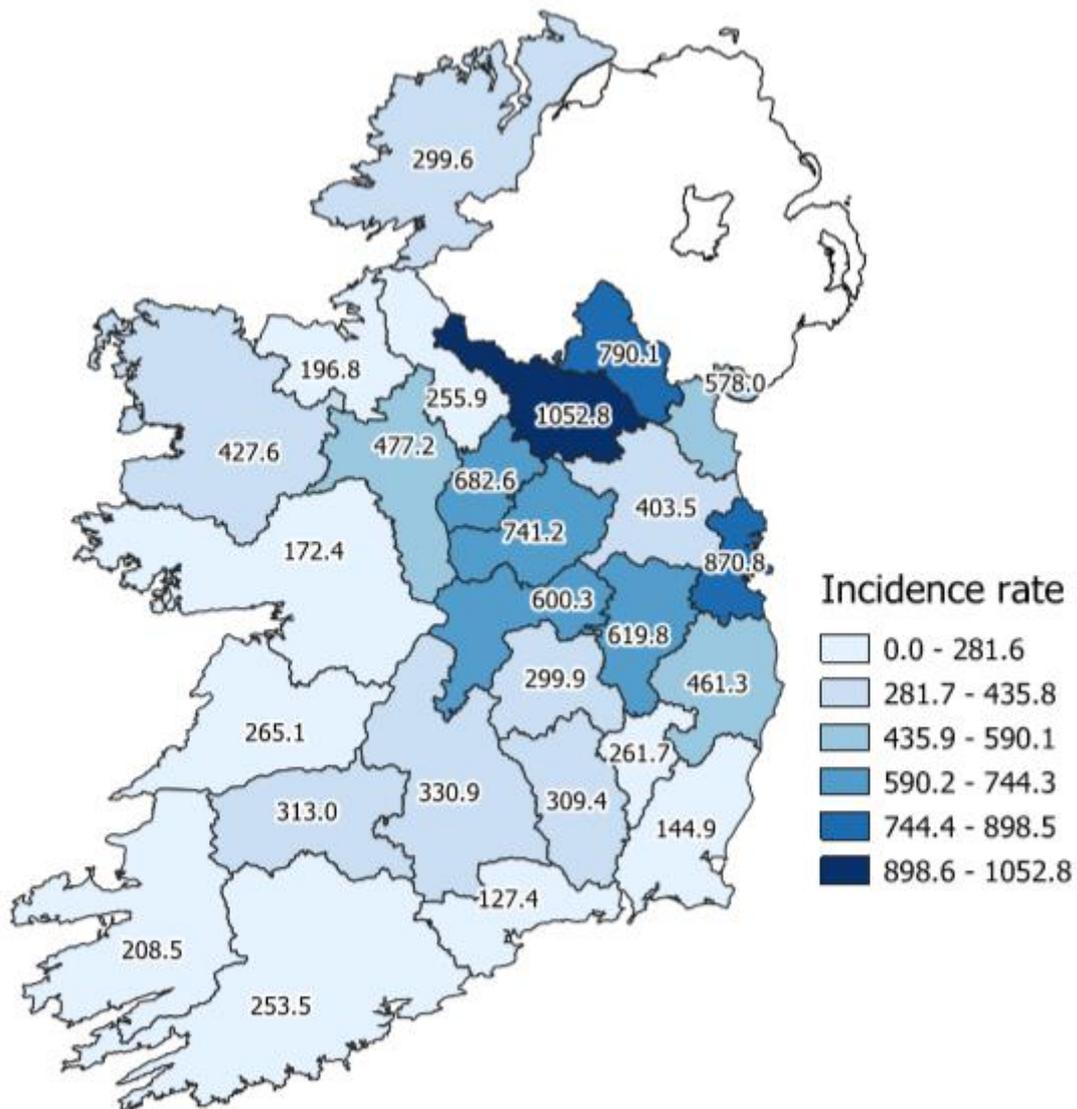


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 18th 2020 by county, Ireland

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 20/05/2020 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 18th 2020 by county

County Name	Number of cases	%
Carlow	149	0.6
Cavan	802	3.3
Clare	315	1.3
Cork	1376	5.7
Donegal	477	2.0
Dublin	11733	48.5
Galway	445	1.8
Kerry	308	1.3
Kildare	1379	5.7
Kilkenny	307	1.3
Laois	254	1.0
Leitrim	82	0.3
Limerick	610	2.5
Longford	279	1.2
Louth	745	3.1
Mayo	558	2.3
Meath	787	3.3
Monaghan	485	2.0
Offaly	468	1.9
Roscommon	308	1.3
Sligo	129	0.5
Tipperary	528	2.2
Waterford	148	0.6
Westmeath	658	2.7
Wexford	217	0.9
Wicklow	657	2.7
Total	24204	100

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

Table 4: Number of confirmed COVID-19 cases notified to midnight May 18th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,558	10.6
Possible community transmission	9,342	38.6
Local transmission	6,683	27.6
Possible local transmission	802	3.3
Travel abroad	356	1.5
Possible travel abroad	214	0.9
Unknown	4,249	17.6
Total	24,204	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 20/05/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 18th 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	135	19	0.6	0	0.0	0	0.0
5 - 14	277	17	0.5	2	0.5	0	0.0
15-24	1750	70	2.2	5	1.3	2	0.2
25-34	4069	188	5.9	14	3.6	5	0.4
35-44	4260	247	7.8	32	8.1	10	0.8
45-54	4361	425	13.4	81	20.6	23	1.8
55-64	3122	470	14.9	113	28.8	57	4.3
65-74	1727	555	17.5	99	25.2	190	14.5
75-84	2201	711	22.5	40	10.2	452	34.5
85+	2278	459	14.5	7	1.8	573	43.7
Unknown	24	3	0.1	0	0.0		0.0
Total	24204	3164	100	393	100	1312	100

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

Of the 24,204 laboratory confirmed COVID-19 cases, 1,312 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 18th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	95	4202	292	4589
HSE Midlands	12	298	113	423
HSE Mid-West	16	127	210	353
HSE North-East	11	790	281	1082
HSE North-West	8	118	129	255
HSE South-East	5	16	285	306
HSE South	22	123	241	386
HSE West	7	86	221	314
Total	176	5760	1772	7708

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

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 18th 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	31.9
Residential institution	101	11	6	14	4	10	20	4	170	21
Private house	5	6	10	9	5	24	64	21	144	17.8
Hospital	53	2	2	14	2	3	12	6	94	11.6
Workplace	7	5	5	9	1	4	7	2	40	4.9
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	1	5		2	3	3	2	18	2.2
Community outbreak	5	1	2	2			1	3	14	1.7
Other	4		3			1	4		12	1.5
Public house		2	1				1		4	0.5
Hotel	1						2		3	0.4
Total	304	51	53	90	27	66	139	80	810	100.0

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