



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 25/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 25th May 2020 at 9:15 am for events created on CIDR up to midnight Saturday 23rd May 2020.

Characteristic	Number	%
Total number of confirmed cases	24,593	
Number of new cases since previous day	40	0.2
National incidence rate per 100,000 population	516.5	
Total number hospitalised	3,225	13.1
Total number admitted to ICU	394	1.6
Total number of deaths	1,345	5.5
National death rate per 100,000 population	28.3	
Total number of outbreaks/clusters	846	-
Total number cases associated with clusters	9,525	38.7
Total number of imported cases	359	1.5
Number of cases in Healthcare workers	7,842	31.9
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 24,593 confirmed cases of COVID-19 were notified in Ireland **before midnight May 23rd 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

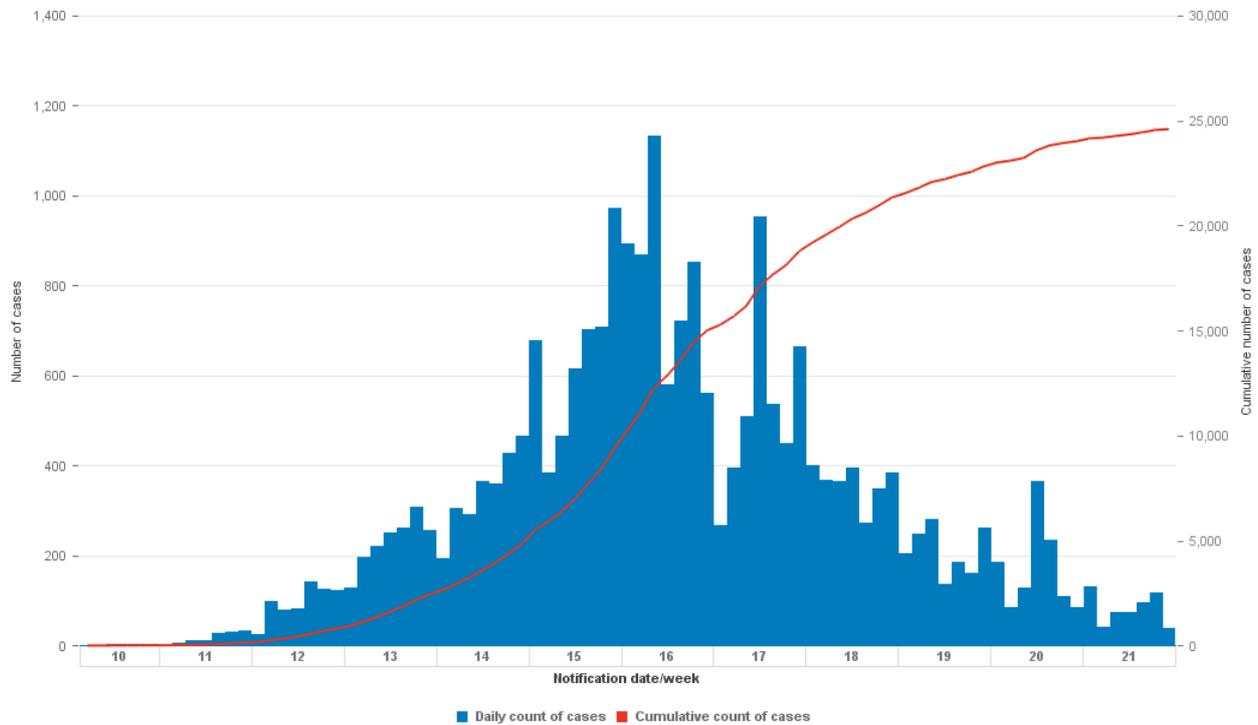


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 23rd 2020.

Data source: CIDR as of 25/05/2020 9:15

Outbreaks/Clusters

There were 846 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 23rd 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 23rd 2020, Ireland

Characteristic	Number of cases	%
Total	24,593	100
Sex		
Female	14070	57.2
Male	10484	42.6
Unknown	39	0.2
Age group (years)		
<1	45	0.2
1-4	101	0.4
5-14	292	1.2
15-24	1797	7.3
25-34	4138	16.8
35-44	4335	17.6
45-54	4418	18.0
55-64	3158	12.8
65-74	1753	7.1
75-84	2228	9.1
85+	2303	9.4
Unknown	25	0.1
HSE area		
HSE East	13927	56.6
HSE Midlands	1678	6.8
HSE Mid-West	1353	5.5
HSE North-East	2882	11.7
HSE North-West	689	2.8
HSE South-East	970	3.9
HSE South	1746	7.1
HSE West	1348	5.5

Data source: CIDR as of 25/05/2020 9:15

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 23rd 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	19,956	81.1
Other than Ireland	359	1.5
Unknown	4278	17.4
Total	24,593	100

Data source: CIDR as of 25/05/2020 9:15

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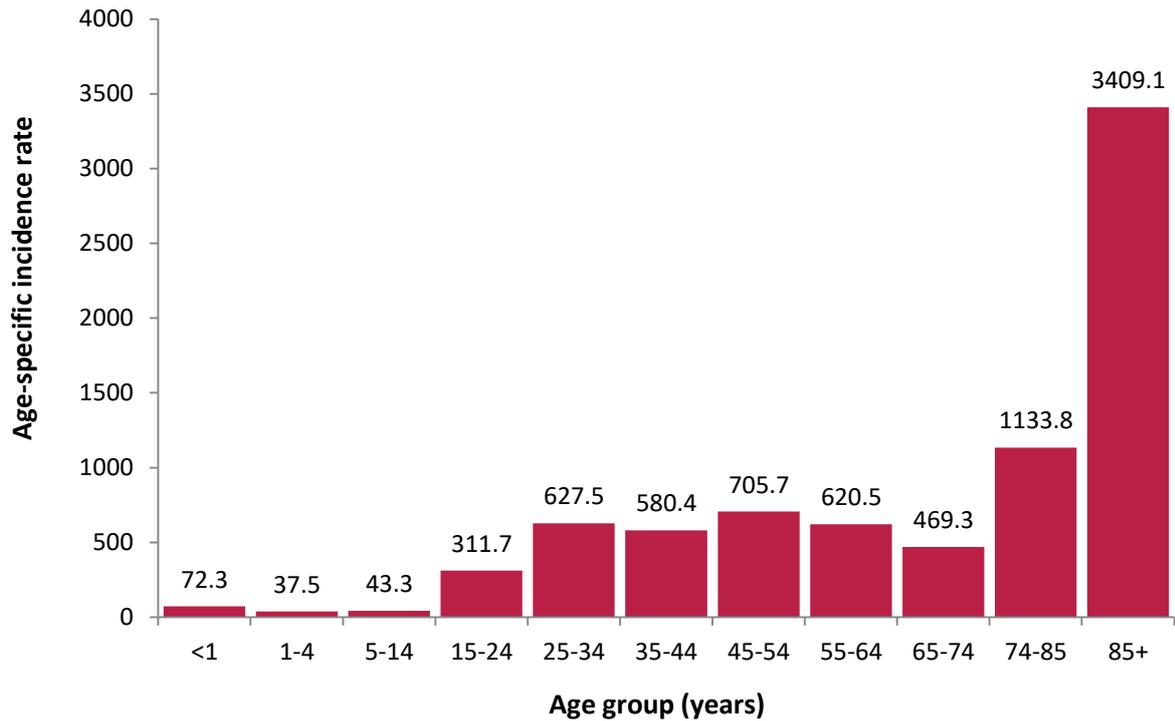


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 23rd 2020, Ireland

Data source: CIDR as of 25/05/2020 9:15, rates are calculated using the 2016 census (www.cso.ie)

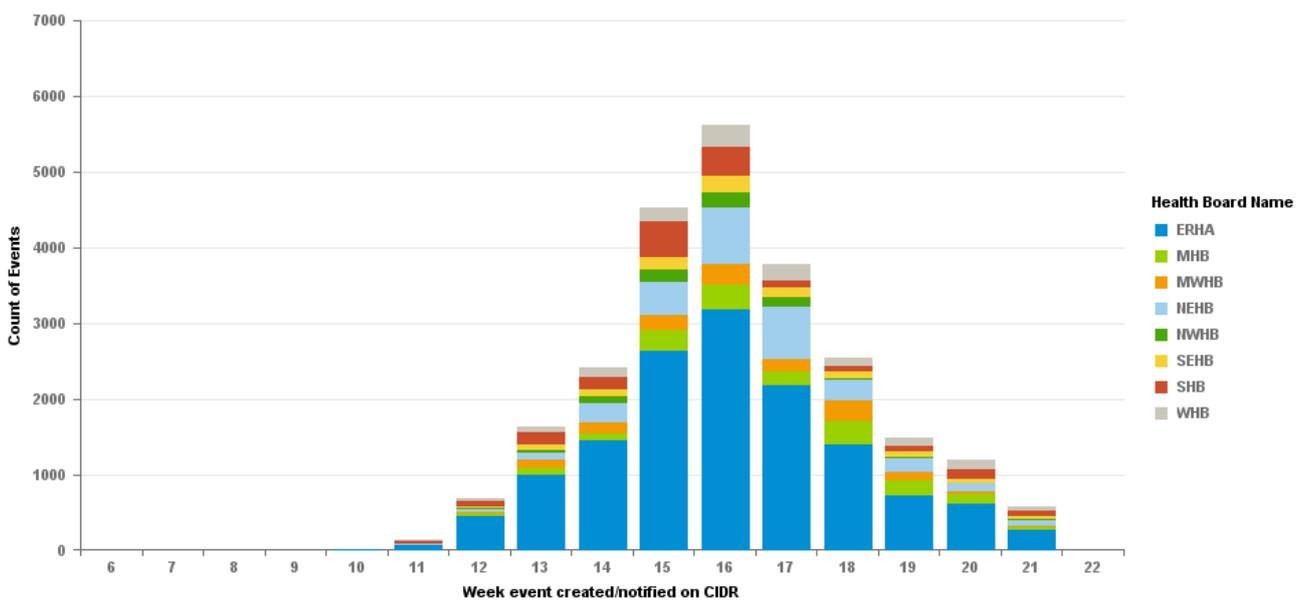


Figure 3: Confirmed cases of COVID-19 notified to midnight May 23rd 2020, by HSE Area and week of notification

Data source: CIDR as of 25/05/2020 9:15

Note: Data are provisional

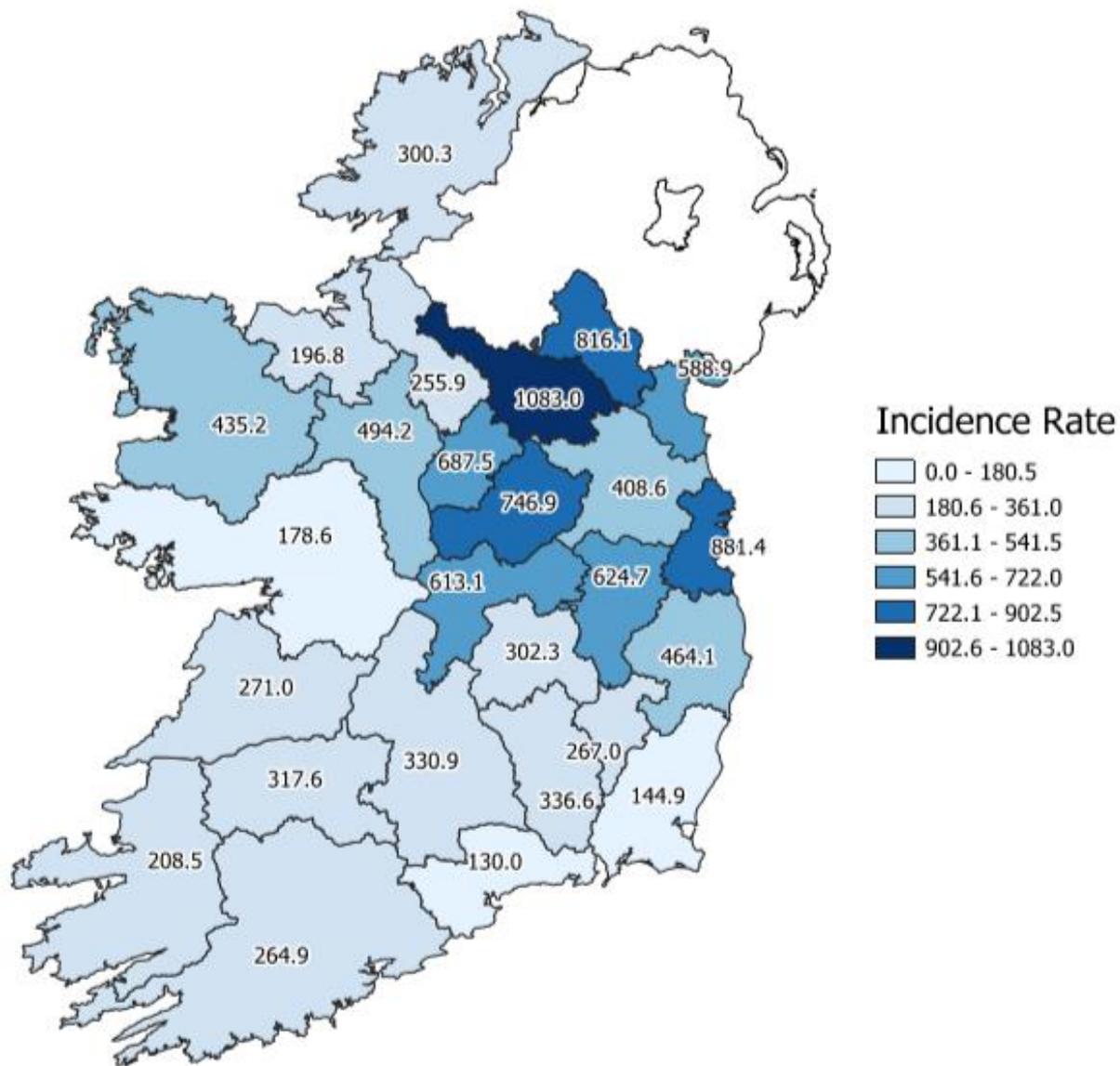


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 23rd 2020 by county, Ireland

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 25/05/2020 9:15, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 23rd 2020 by county

County Name	Number of cases	%
Carlow	152	0.6
Cavan	825	3.4
Clare	322	1.3
Cork	1438	5.8
Donegal	478	1.9
Dublin	11876	48.3
Galway	461	1.9
Kerry	308	1.3
Kildare	1390	5.7
Kilkenny	334	1.4
Laois	256	1.0
Leitrim	82	0.3
Limerick	619	2.5
Longford	281	1.1
Louth	759	3.1
Mayo	568	2.3
Meath	797	3.2
Monaghan	501	2.0
Offaly	478	1.9
Roscommon	319	1.3
Sligo	129	0.5
Tipperary	528	2.1
Waterford	151	0.6
Westmeath	663	2.7
Wexford	217	0.9
Wicklow	661	2.7
Total	24593	100

Data source: CIDR as of 25/05/2020 9:15

Table 4: Number of confirmed COVID-19 cases notified to midnight May 23rd 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,578	10.5
Possible community transmission	9,492	38.6
Local transmission	6,896	28.0
Possible local transmission	806	3.3
Travel abroad	357	1.5
Possible travel abroad	215	0.9
Unknown	4,249	17.3
Total	24,593	100

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*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 25/05/2020 9:15

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 23rd 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	146	19	0.6	0	0.0	0	0.0
5 - 14	292	17	0.5	2	0.5	0	0.0
15-24	1797	71	2.2	5	1.3	2	0.1
25-34	4138	193	6.0	14	3.6	5	0.4
35-44	4335	249	7.7	33	8.4	10	0.7
45-54	4418	430	13.3	81	20.6	23	1.7
55-64	3158	477	14.8	113	28.7	58	4.3
65-74	1753	564	17.5	101	25.6	193	14.3
75-84	2228	729	22.6	39	9.9	464	34.5
85+	2303	473	14.7	6	1.5	590	43.9
Unknown	25	3	0.1	0	0.0	0	0.0
Total	24593	3225	100	394	100	1345	100

Data source: CIDR as of 25/05/2020 9:15

Of the 24,593 laboratory confirmed COVID-19 cases, 1,345 have died, giving a case fatality rate of 5.5%. Of the patients who were hospitalised, 12% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 23rd 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	94	4250	293	4637
HSE Midlands	12	302	114	428
HSE Mid-West	16	126	219	361
HSE North-East	11	1073	17	1101
HSE North-West	8	119	129	256
HSE South-East	5	16	298	319
HSE South	22	126	242	390
HSE West	7	92	251	350
Total	175	6104	1563	7842

Data source: CIDR as of 25/05/2020 9:15

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 23rd 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	120	16	13	38	6	15	10	36	254	30
Residential institution	105	12	6	15	4	10	20	4	176	20.8
Private house	5	6	20	16	5	25	64	21	162	19.1
Hospital	61	2	2	14	2	3	12	6	102	12.1
Workplace	8	5	5	11	1	4	8	2	44	5.1
Comm. Hosp/Long-stay unit	4	4	1		4	5	6	4	28	3.3
Travel related		3	5	4	2	1	5	2	22	2.6
Extended family	2	1	7		2	3	3	3	21	2.5
Community outbreak	5	1	2	2			1	4	15	1.8
Public house		2	1				1		4	0.5
Hotel	1						2		3	0.4
Other	6		4			1	4		15	1.8
Total	317	52	66	100	26	67	136	82	846	100.0

Data source: CIDR as of 25/05/2020 9:15

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.

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