



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 18/05/2020 for NPHE

Note: Data are provisional

This report includes data as of 18th May 2020 at 9:20 am for events created on CIDR up to midnight Saturday 16th May 2020.

Characteristic	Number	%
Total number of confirmed cases	24,036	
Number of new cases since previous day	85	0.4
National incidence rate per 100,000 population	504.8	
Total number hospitalised	3,127	13.0
Total number admitted to ICU	391	1.6
Total number of deaths	1,293	5.4
National death rate per 100,000 population	27.2	
Total number of outbreaks/clusters	805	-
Total number cases associated with clusters	9,039	37.6
Total number of imported cases	358	1.5
Number of cases in Healthcare workers	7,615	31.7
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 24,036 confirmed cases of COVID-19 were notified in Ireland **before midnight May 16th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

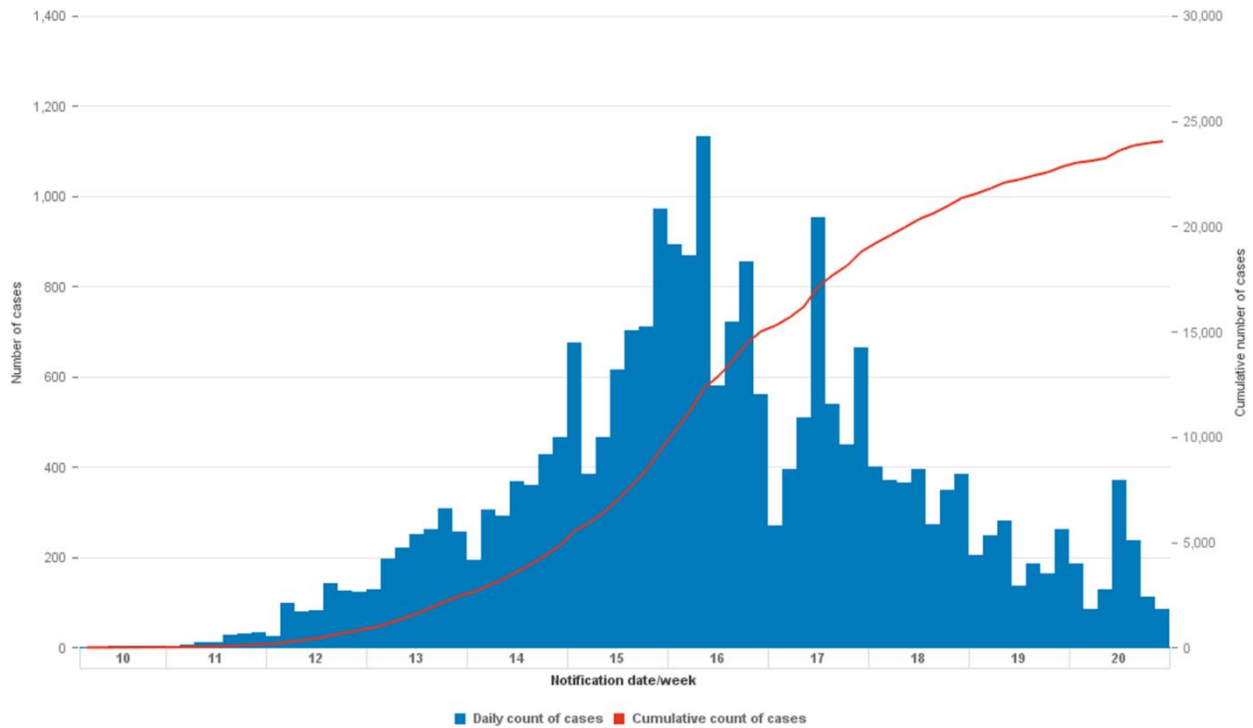


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 16th 2020.

Data source: CIDR as of 18/05/2020 9:20

Outbreaks/Clusters

There were 805 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 16th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 16th 2020, Ireland

Characteristic	Number of cases	%
Total	24,036	100
Sex		
Female	13768	57.3
Male	10229	42.6
Unknown	39	0.2
Age group (years)		
<1	44	0.2
1-4	88	0.4
5-14	270	1.1
15-24	1721	7.2
25-34	4043	16.8
35-44	4217	17.5
45-54	4339	18.1
55-64	3103	12.9
65-74	1721	7.2
75-84	2196	9.1
85+	2270	9.4
Unknown	24	0.1
HSE area		
HSE East	13717	57.1
HSE Midlands	1645	6.8
HSE Mid-West	1328	5.5
HSE North-East	2788	11.6
HSE North-West	683	2.8
HSE South-East	919	3.8
HSE South	1668	6.9
HSE West	1288	5.4

Data source: CIDR as of 18/05/2020 9:20

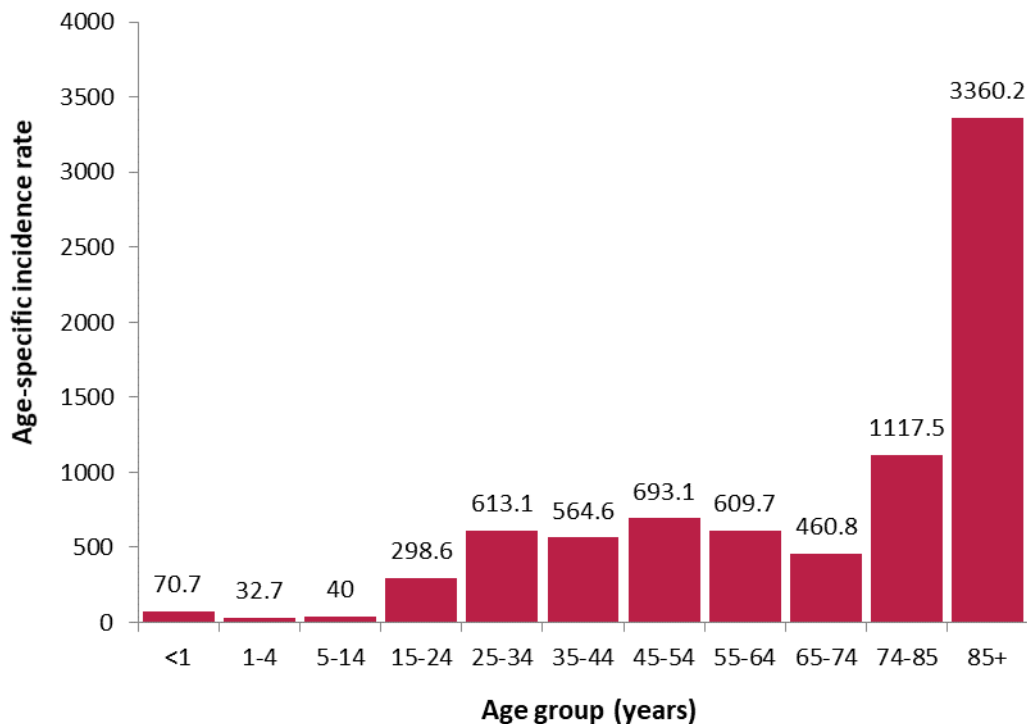
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 16th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	19,433	80.8
Other than Ireland	358	1.5
Unknown	4245	17.7
Total	24,036	100

Data source: CIDR as of 18/05/2020 9:20

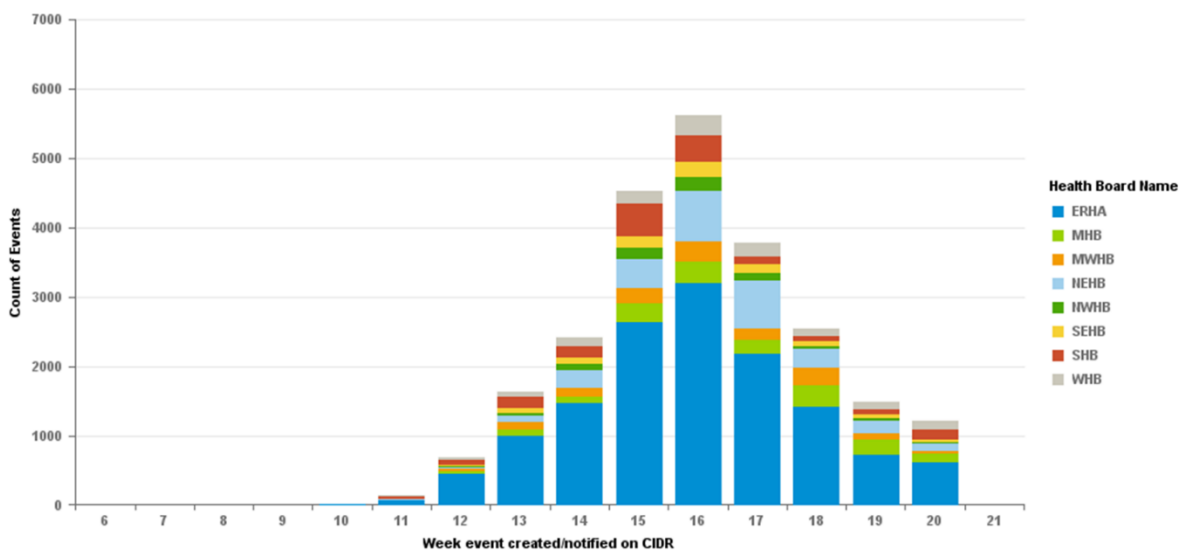
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 16th 2020, Ireland



Data source: CIDR as of 18/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 16th 2020, by HSE Area and week of notification



Data source: CIDR as of 18/05/2020 9:20

Note: Data are provisional

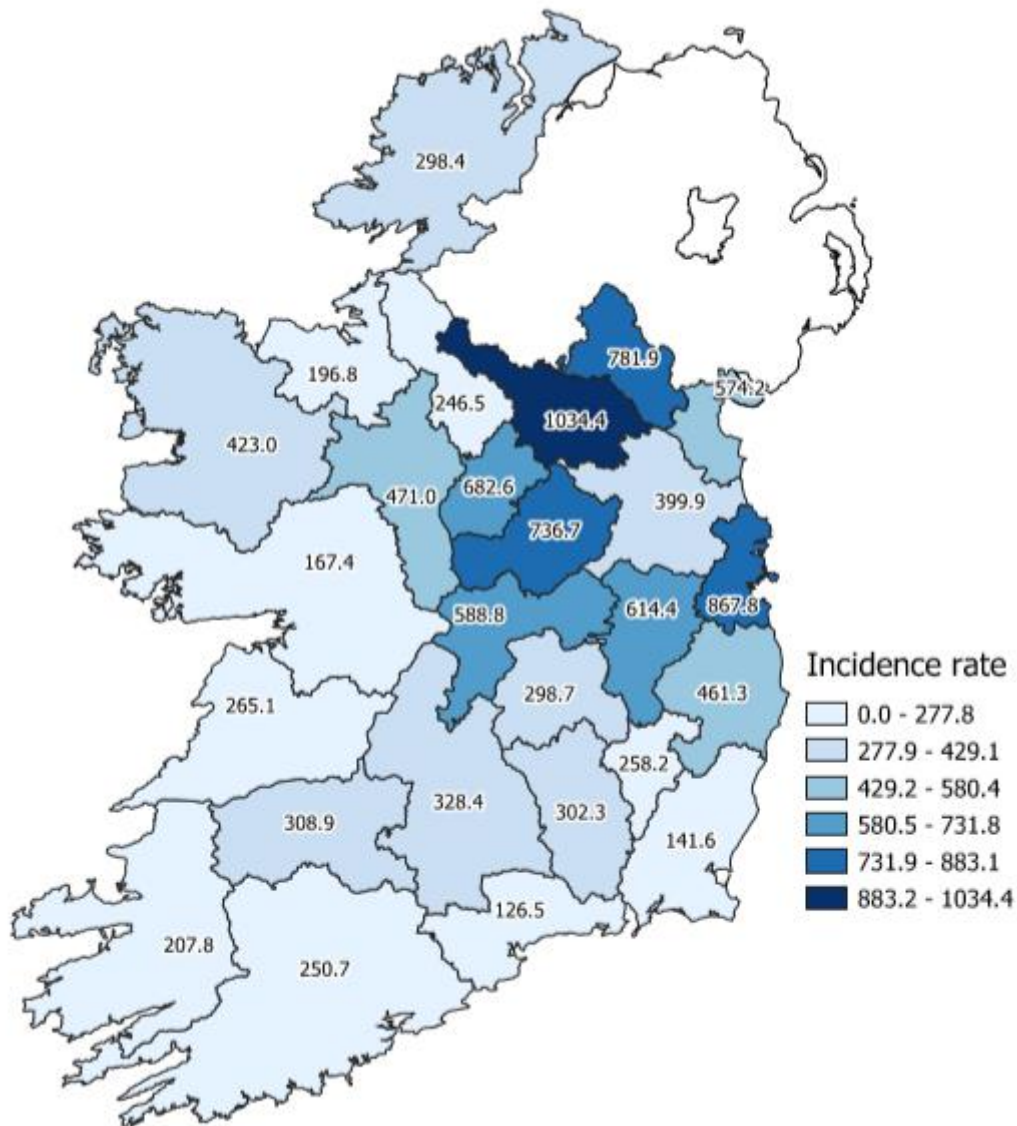


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 16th 2020 by county, Ireland

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 18/05/2020 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 16th 2020 by county

County Name	Number of cases	%
Carlow	147	0.6
Cavan	788	3.3
Clare	315	1.3
Cork	1361	5.7
Donegal	475	2.0
Dublin	11693	48.6
Galway	432	1.8
Kerry	307	1.3
Kildare	1367	5.7
Kilkenny	300	1.2
Laois	253	1.1
Leitrim	79	0.3
Limerick	602	2.5
Longford	279	1.2
Louth	740	3.1
Mayo	552	2.3
Meath	780	3.2
Monaghan	480	2.0
Offaly	459	1.9
Roscommon	304	1.3
Sligo	129	0.5
Tipperary	524	2.2
Waterford	147	0.6
Westmeath	654	2.7
Wexford	212	0.9
Wicklow	657	2.7
Total	24036	100

Data source: CIDR as of 18/05/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight May 16th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,558	10.6
Possible community transmission	9,296	38.7
Local transmission	6,584	27.4
Possible local transmission	803	3.3
Travel abroad	356	1.5
Possible travel abroad	214	0.9
Unknown	4,225	17.6
Total	24,036	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 18/05/2020 9:20

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Table 5: Number of confirmed cases of COVID-19 notified to midnight May 16th 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	132	19	0.6	0	0.0	0	0.0
5 - 14	270	17	0.5	2	0.5	0	0.0
15-24	1721	70	2.2	5	1.3	2	0.2
25-34	4043	187	6.0	15	3.8	5	0.4
35-44	4217	247	7.9	32	8.2	10	0.8
45-54	4339	421	13.5	80	20.5	23	1.8
55-64	3103	457	14.6	112	28.6	55	4.3
65-74	1721	549	17.6	98	25.1	188	14.5
75-84	2196	707	22.6	40	10.2	444	34.3
85+	2270	451	14.4	7	1.8	566	43.8
Unknown	24	2	0.1	0	0.0	0	0.0
Total	24036	3127	100	391	100	1293	100

Data source: CIDR as of 18/05/2020 9:20

Of the 24,036 laboratory confirmed COVID-19 cases, 1,293 have died, giving a case fatality rate of 5.4%. Of the patients who were hospitalised, 13% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight May 16th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	95	4171	300	4566
HSE Midlands	12	293	113	418
HSE Mid-West	16	127	210	353
HSE North-East	11	746	294	1051
HSE North-West	8	117	128	253
HSE South-East	5	15	269	289
HSE South	22	122	241	385
HSE West	7	85	208	300
Total	176	5676	1763	7615

Data source: CIDR as of 18/05/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 16th 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	32
Residential institution	100	11	6	14	4	10	20	4	169	21
Private house	5	6	10	9	5	24	65	21	145	18
Hospital	53	2	2	14	2	2	12	6	93	11.6
Workplace	7	5	5	7	1	4	7	2	38	4.7
Comm. Hosp/Long-stay unit	6	4			4	5	8	4	31	3.9
Travel related		3	5	4	2	1	5	2	22	2.7
Extended family	2		5		2	3	3	2	17	2.1
Community outbreak	5	1	2	2			1	3	14	1.7
Other	3		3			2	4		12	1.5
Public house		2	1				1		4	0.5
Hotel							2		2	0.2
Total	301	50	53	88	27	66	140	80	805	100.0

Data source: CIDR as of 18/05/2020 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.