



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 14/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 14th May 2020 at 9:20 am for events created on CIDR up to midnight Tuesday 12th May 2020.

Characteristic	Number	%
Total number of confirmed cases	23,259	
Number of new cases since previous day	128	0.6
National incidence rate per 100,000 population	488.4	
Total number hospitalised	3,053	13.1
Total number admitted to ICU	387	1.7
Total number of deaths	1,255	5.4
National death rate per 100,000 population	26.4	
Total number of outbreaks/clusters	766	-
Total number cases associated with clusters	8,554	36.8
Total number of imported cases	361	1.6
Number of cases in Healthcare workers	7,123	30.6
Median age (years)	48	-
Age range (years)	0 - 106	-

Confirmed cases

In total 23,259 confirmed cases of COVID-19 were notified in Ireland **before midnight May 12th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

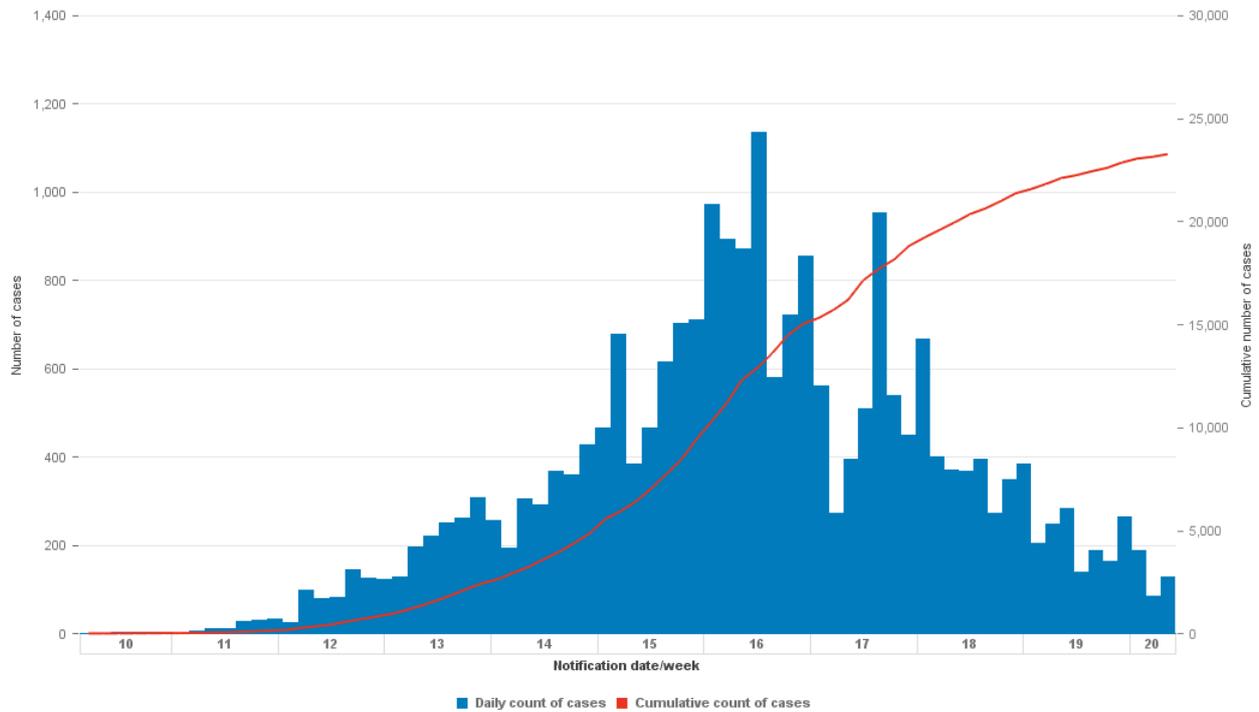


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 12th 2020.

Data source: CIDR as of 14/05/2020 9:20

Outbreaks/Clusters

There were 766 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 12th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 12th 2020, Ireland

Characteristic	Number of cases	%
Total	23,259	100
Sex		
Female	13338	57.3
Male	9853	42.4
Unknown	68	0.3
Age group (years)		
<1	43	0.2
1-4	82	0.4
5-14	266	1.1
15-24	1641	7.1
25-34	3822	16.4
35-44	4024	17.3
45-54	4203	18.1
55-64	3029	13.0
65-74	1696	7.3
75-84	2175	9.4
85+	2253	9.7
Unknown	25	0.1
HSE area		
HSE East	13307	57.2
HSE Midlands	1531	6.6
HSE Mid-West	1314	5.6
HSE North-East	2735	11.8
HSE North-West	678	2.9
HSE South-East	896	3.9
HSE South	1554	6.7
HSE West	1244	5.3

Data source: CIDR as of 14/05/2020 9:20

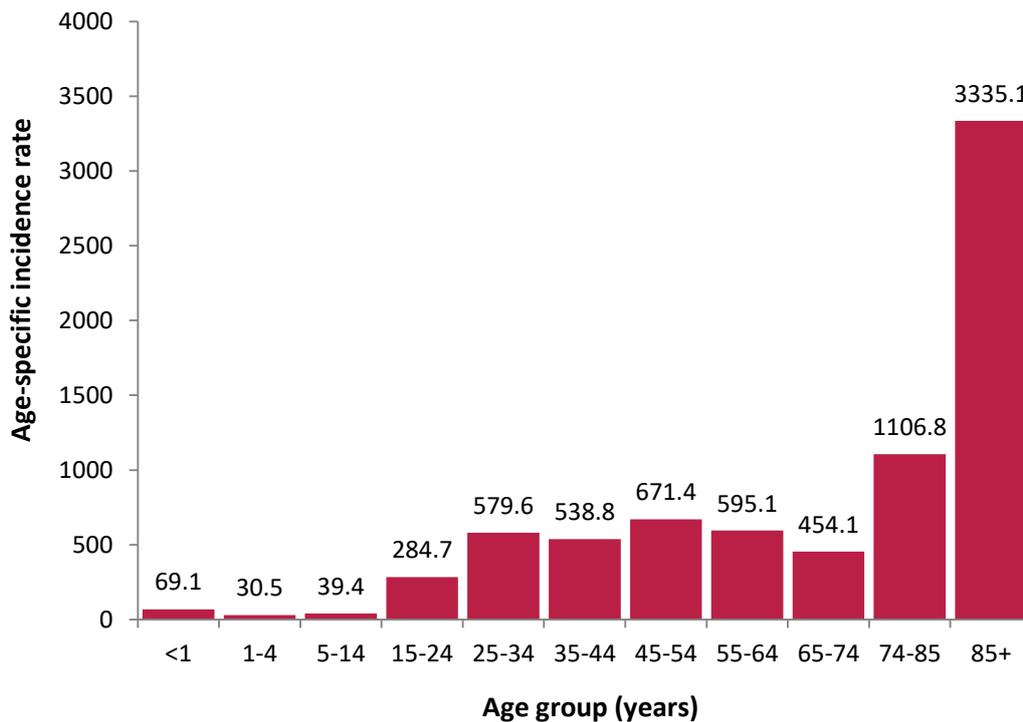
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 12th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	18,689	80.3
Other than Ireland	361	1.6
Unknown	4,209	18.1
Total	23,259	100

Data source: CIDR as of 14/05/2020 9:20

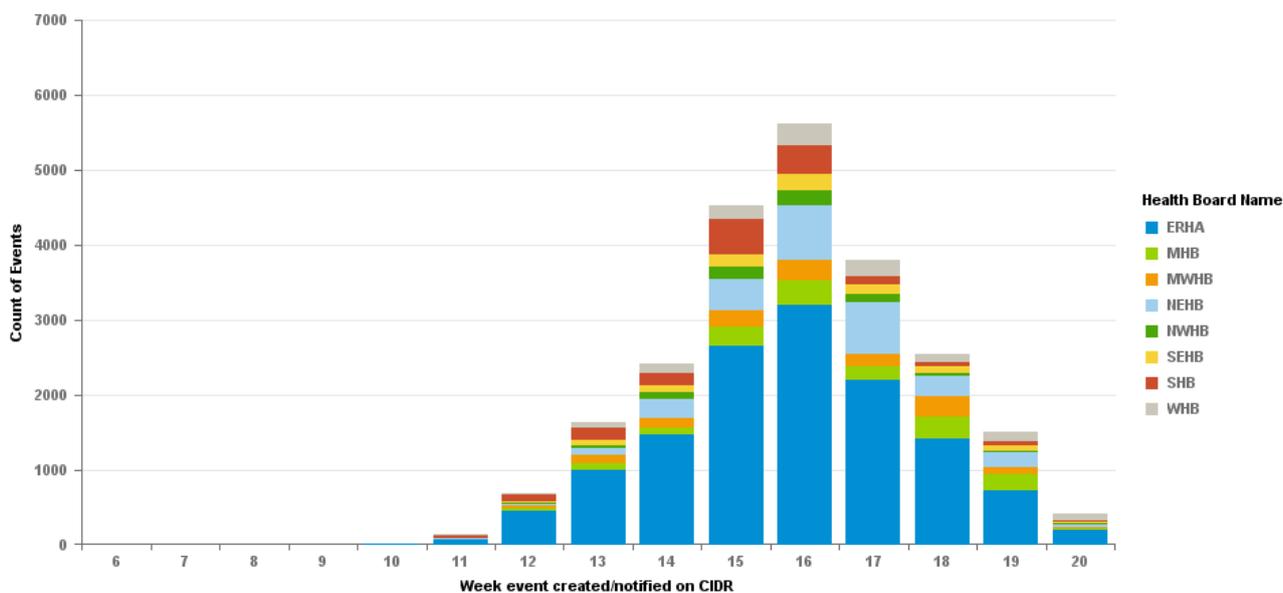
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 12th 2020, Ireland



Data source: CIDR as of 14/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 12th 2020, by HSE Area and week of notification



Data source: CIDR as of 14/05/2020 9:20

Note: Data are provisional

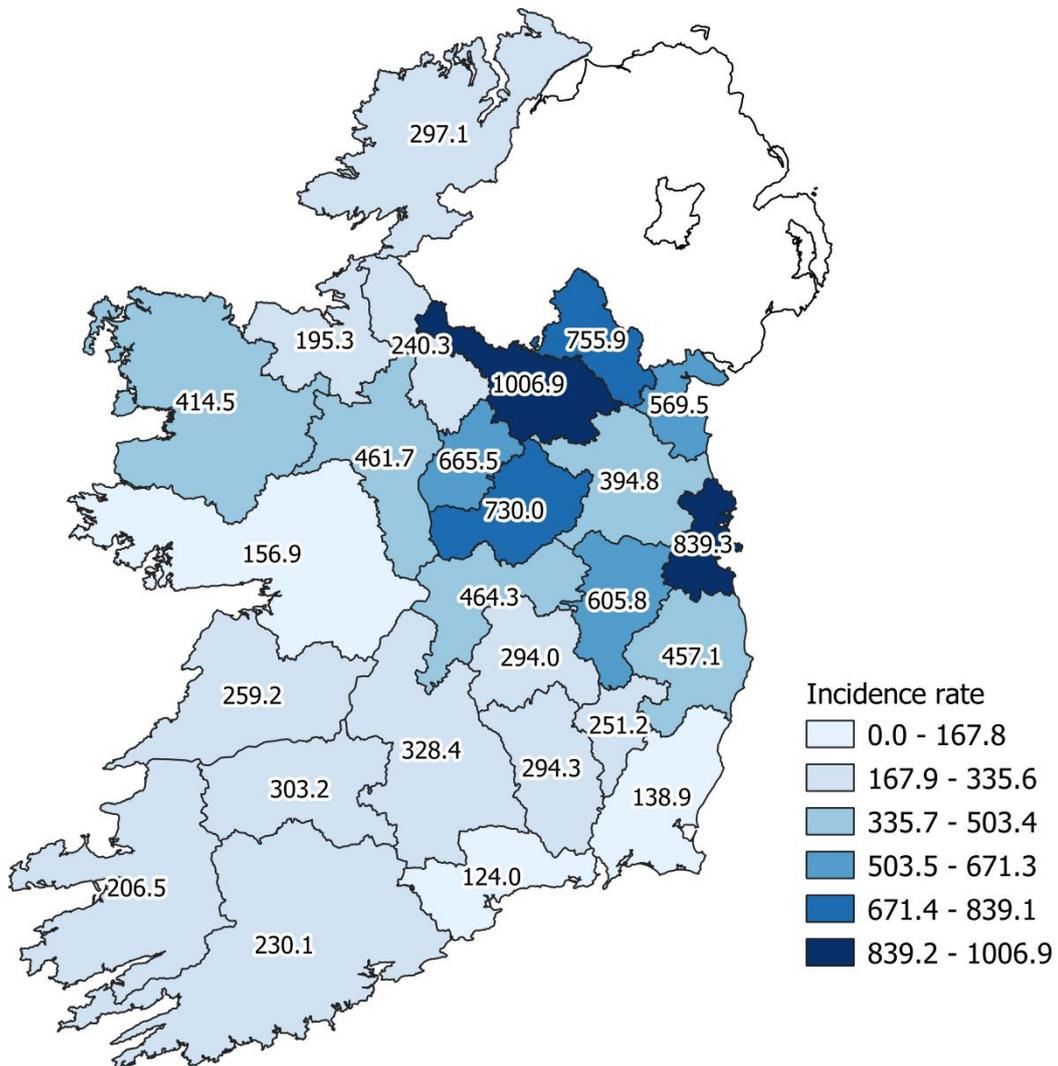


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 12th 2020 by county, Ireland

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 14/05/2020 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 12th 2020 by county

County Name	Number of cases	%
Carlow	143	0.6
Cavan	767	3.3
Clare	308	1.3
Cork	1249	5.3
Donegal	473	2.1
Dublin	11308	48.7
Galway	405	1.7
Kerry	305	1.3
Kildare	1348	5.8
Kilkenny	292	1.2
Laois	249	1.1
Leitrim	77	0.3
Limerick	591	2.5
Longford	272	1.2
Louth	734	3.2
Mayo	541	2.3
Meath	770	3.3
Monaghan	464	2.0
Offaly	362	1.6
Roscommon	298	1.3
Sligo	128	0.6
Tipperary	524	2.3
Waterford	144	0.6
Westmeath	648	2.8
Wexford	208	0.9
Wicklow	651	2.8
Total	23,259	100

Data source: CIDR as of 14/05/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight May 12th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	2,550	11.0
Possible community transmission	8,886	38.2
Local transmission	6,301	27.1
Possible local transmission	764	3.3
Travel abroad	356	1.5
Possible travel abroad	215	0.9
Unknown	4,187	18.0
Total	23,259	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 14/05/2020 9:20

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Table 5: Number of confirmed cases of COVID-19 notified to midnight May 12th 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	125	18	0.6		0.0		0.0
5 - 14	266	17	0.6	2	0.5		0.0
15-24	1641	68	2.2	5	1.3	2	0.2
25-34	3822	182	6.0	14	3.6	5	0.4
35-44	4024	240	7.9	32	8.3	10	0.8
45-54	4203	409	13.4	80	20.7	23	1.8
55-64	3029	442	14.5	111	28.7	53	4.2
65-74	1696	539	17.7	97	25.1	182	14.5
75-84	2175	696	22.8	40	10.3	431	34.3
85+	2253	440	14.4	6	1.6	549	43.7
Unknown	25	2	0.1		0.0		0.0
Total	23259	3053	100	387	100	1255	100

Data source: CIDR as of 14/05/2020 9:20

Of the 23,259 laboratory confirmed COVID-19 cases, 1,255 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 12th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	92	3888	235	4215
HSE Midlands	12	279	114	405
HSE Mid-West	16	118	195	329
HSE North-East	11	668	301	980
HSE North-West	8	116	126	250
HSE South-East	5	15	263	283
HSE South	22	121	240	383
HSE West	7	82	189	278
Total	173	5287	1663	7123

Data source: CIDR as of 14/05/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 12th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	113	16	12	38	5	15	11	36	246	32.2
Residential institution	88	10	5	11	2	10	20	4	150	19.6
Private house	5	6	9	9	5	24	65	21	144	18.8
Hospital	52	2	2	12	2	3	12	5	90	11.7
Workplace	7	5	5	3	1	4	7	2	34	4.4
Comm. Hosp/Long-stay unit	6	4			4	5	8	4	31	4
Travel related		3	5	4	2	1	5	2	22	2.9
Extended family	2		5		2	3	3	2	17	2.2
Community outbreak	5	1	1	2			1	3	13	1.7
Other	3		4	1		1	4		13	1.7
Public house		2	1				1		4	0.5
Hotel							2		2	0.3
Total	281	49	49	80	23	66	139	79	766	100.0

Data source: CIDR as of 14/05/2020 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.