



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 06/05/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 6th May 2020 at 9:20 am for events created on CIDR up to midnight Monday 4th May 2020.

Characteristic	Number	%
Total number of confirmed cases	21,908	
Number of new cases since previous day	249	1.1
Total number hospitalised	2,878	13.1
Total number admitted to ICU	373	1.7
Total number of deaths	1,128	5.1
Total number of outbreaks/clusters	710	-
Total number cases associated with clusters	7,449	34.0
Total number of imported cases	361	1.6
Number of cases in Healthcare workers	6,393	29.2
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total 21,908 confirmed cases of COVID-19 were notified in Ireland **before midnight May 4th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

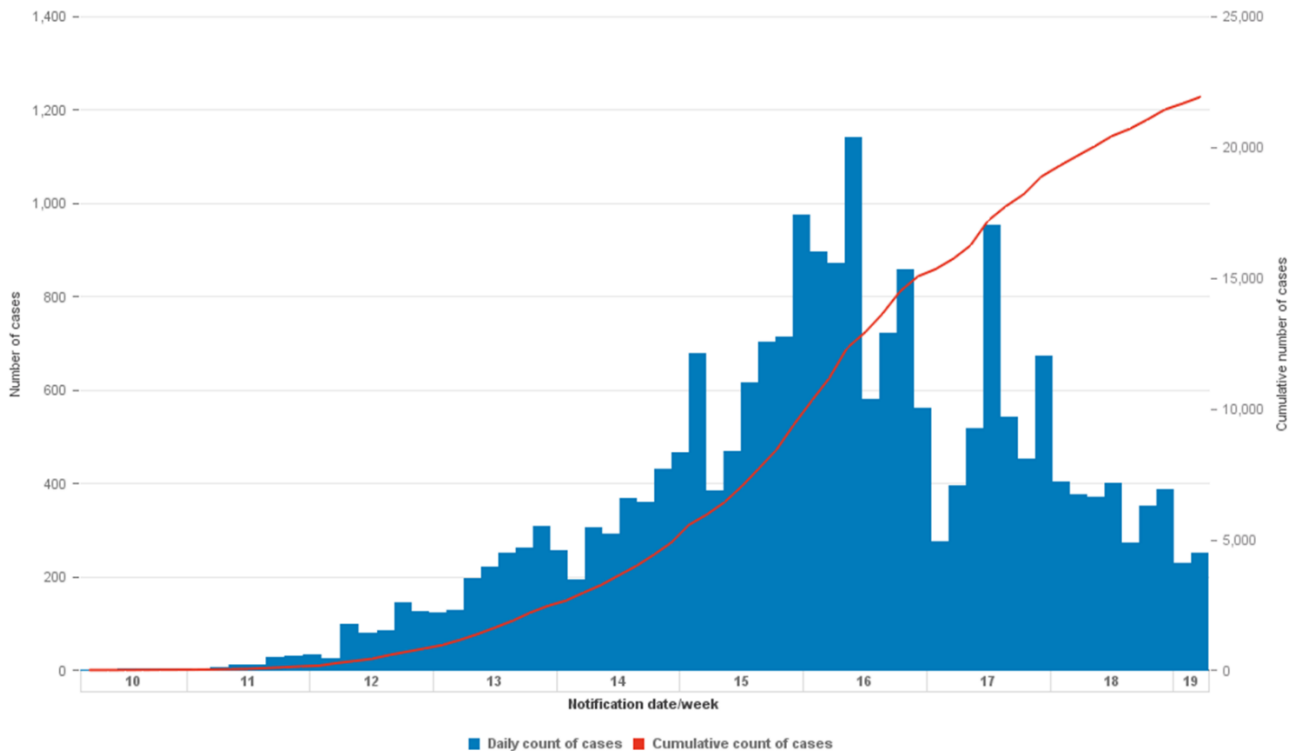


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight May 4th 2020.

Data source: CIDR as of 06/05/2020 9:20

Outbreaks/Clusters

There were 710 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 4th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 4th 2020, Ireland

Data source: CIDR as of 06/05/2020 9:20

Characteristic	Number of cases	%
Total	21,908	100
Sex		
Female	12562	57.3
Male	9283	42.4
Unknown	63	0.3
Age group (years)		
<1	39	0.2
1-4	75	0.3
5-14	230	1.0
15-24	1495	6.8
25-34	3556	16.2
35-44	3766	17.2
45-54	3996	18.2
55-64	2866	13.1
65+	5855	26.7
Unknown	24	0.1
HSE area		
HSE East	12651	57.7
HSE Midlands	1390	6.3
HSE Mid-West	1242	5.7
HSE North-East	2556	11.7
HSE North-West	658	3.0
HSE South-East	818	3.7
HSE South	1494	6.8
HSE West	1099	5.0

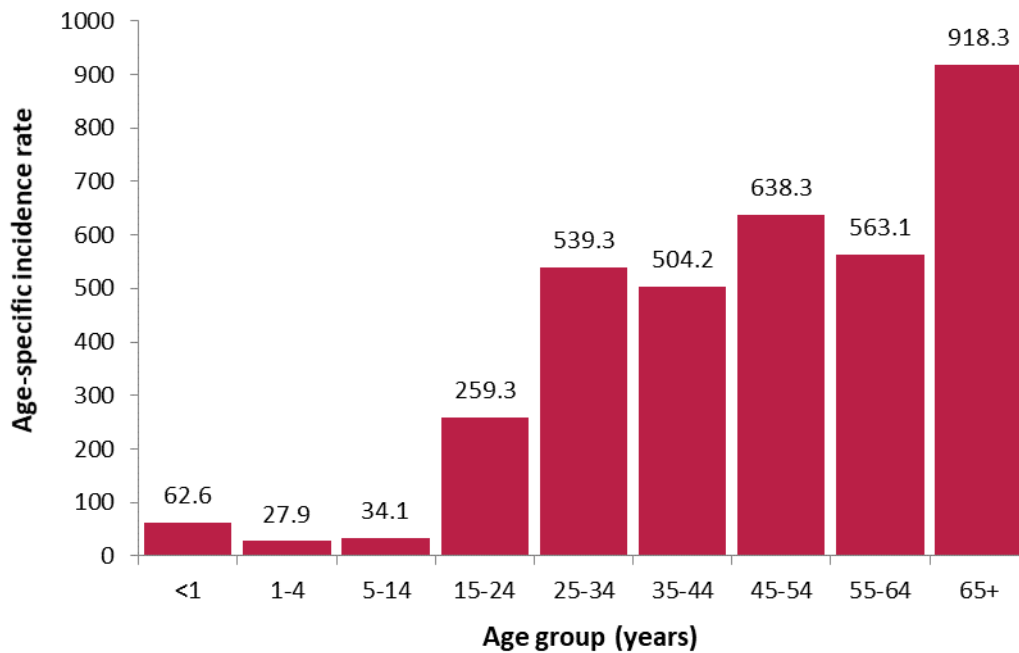
Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 4th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	16,917	77.2
Other than Ireland	361	1.6
Unknown	4630	21.1
Total	21,908	100

Data source: CIDR as of 06/05/2020 9:20

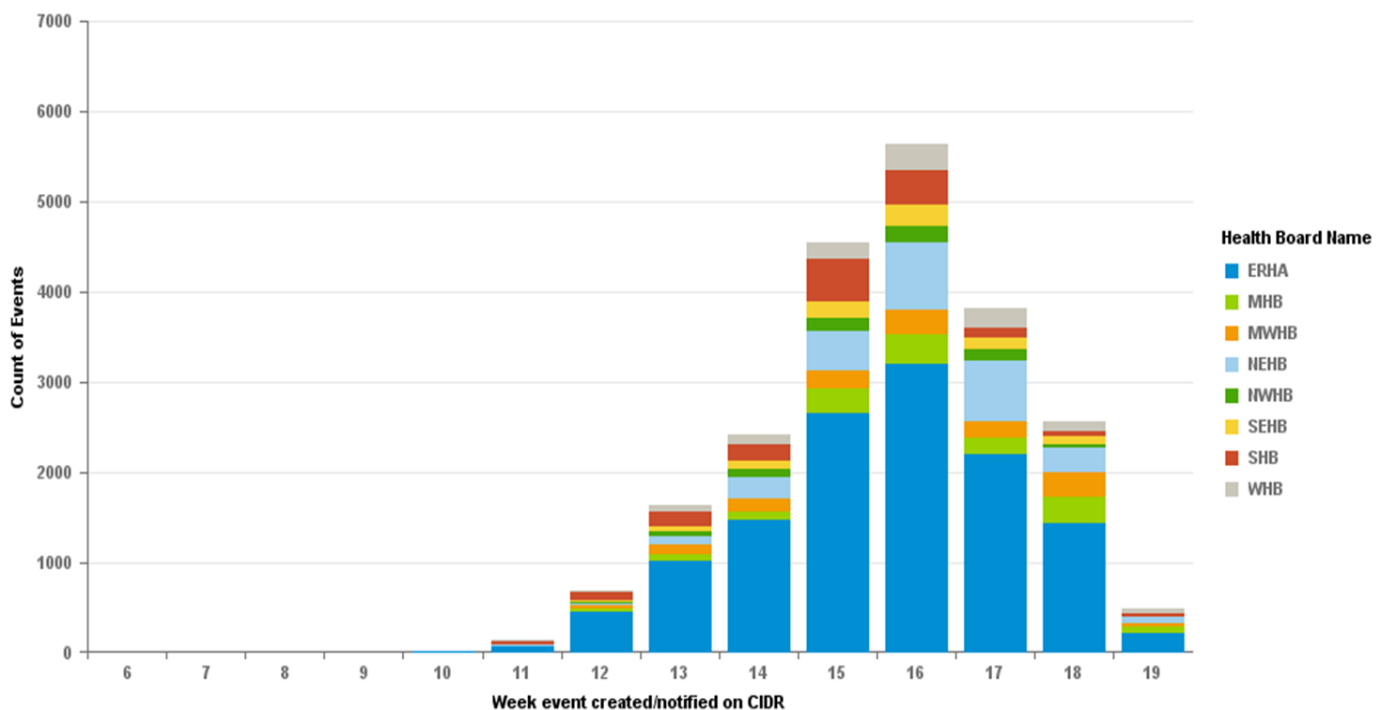
Note: Data are provisional

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 4th 2020, Ireland



Data source: CIDR as of 06/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight May 4th 2020, by HSE Area and week of notification



Data source: CIDR as of 06/05/2020 9:20

Note: Data are provisional

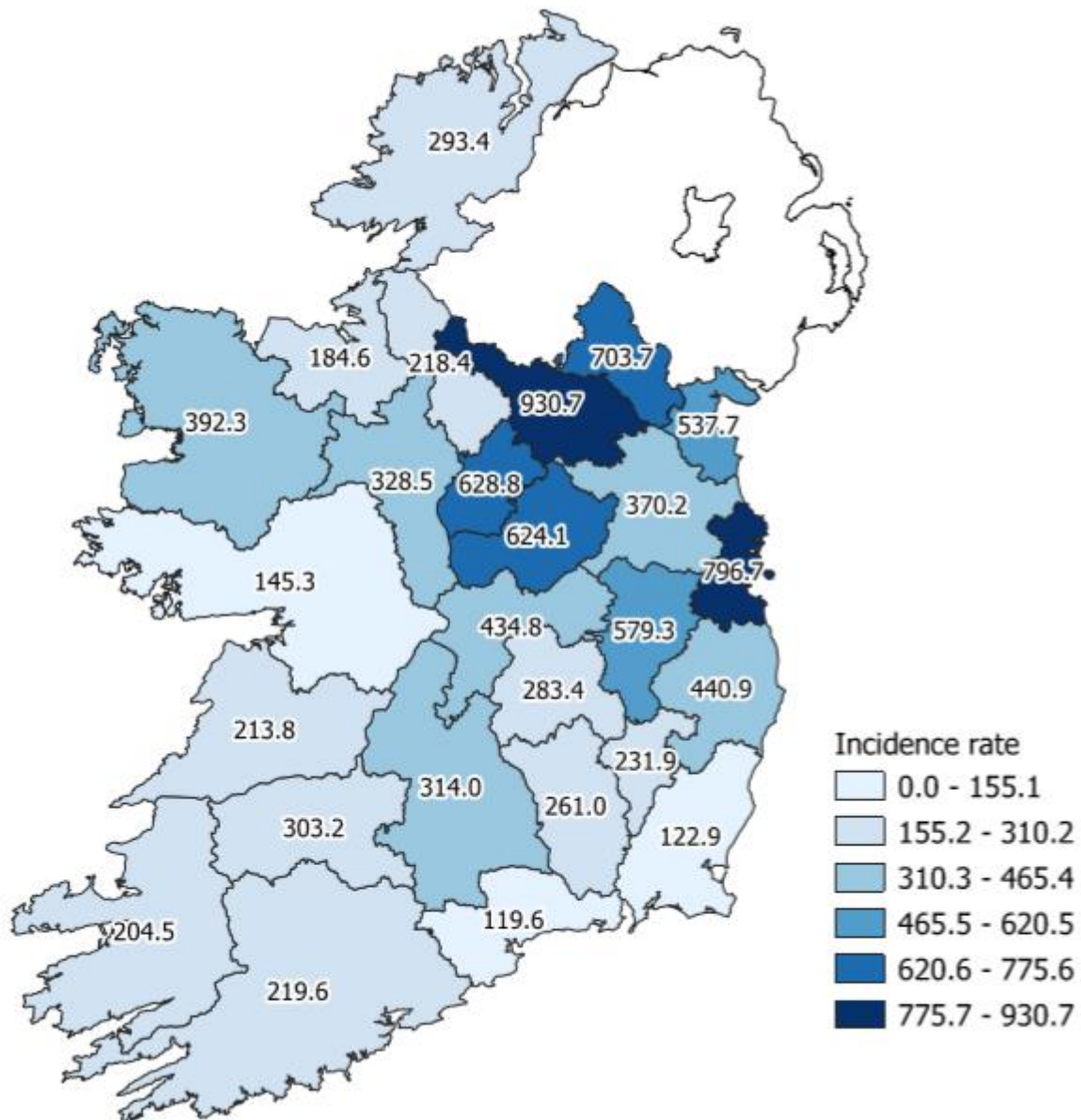


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 4th 2020 by county, Ireland

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 06/05/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Note: Data are provisional

Table 3: Number of confirmed cases of COVID-19 notified to midnight May 4th 2020 by county

County Name	Number of cases	%
Carlow	132	0.6
Cavan	709	3.2
Clare	254	1.2
Cork	1192	5.4
Donegal	467	2.1
Dublin	10734	49.0
Galway	375	1.7
Kerry	302	1.4
Kildare	1289	5.9
Kilkenny	259	1.2
Laois	240	1.1
Leitrim	70	0.3
Limerick	591	2.7
Longford	257	1.2
Louth	693	3.2
Mayo	512	2.3
Meath	722	3.3
Monaghan	432	2.0
Offaly	339	1.5
Roscommon	212	1.0
Sligo	121	0.6
Tipperary	501	2.3
Waterford	139	0.6
Westmeath	554	2.5
Wexford	184	0.8
Wicklow	628	2.9
Total	21908	100

Data source: CIDR as of 06/05/2020 9:20

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

Transmission classification*	Number of cases	%
Community transmission	2,531	11.6
Possible community transmission	8,185	37.4
Local transmission	5,520	25.2
Possible local transmission	503	2.3
Travel abroad	350	1.6
Possible travel abroad	214	1.0
Unknown	4,605	21.0
Total	21,908	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 06/05/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight May 4th 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	114	18	0.6	0	0.0	0	0.0
5 - 14	236	14	0.5	1	0.3	0	0.0
15-24	1495	61	2.1	5	1.3	2	0.2
25-34	3556	175	6.1	14	3.8	5	0.4
35-44	3766	238	8.3	32	8.6	9	0.8
45-54	3996	389	13.5	80	21.4	19	1.7
55-64	2866	421	14.6	106	28.4	48	4.3
65+	5855	1560	54.2	135	36.2	1045	92.6
Unknown	24	2	0.1	0	0.0	0	0.0
Total	21908	2878	100	373	100	1128	100

Data source: CIDR as of 06/05/2020 9:20

Of the 21,908 laboratory confirmed COVID-19 cases, 1,128 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 4th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	90	3518	212	3820
HSE Midlands	11	255	113	379
HSE Mid-West	16	92	186	294
HSE North-East	10	253	567	830
HSE North-West	8	117	116	241
HSE South-East	5	3	234	242
HSE South	22	108	215	345
HSE West	7	82	153	242
Total	169	4428	1796	6393

Data source: CIDR as of 06/05/2020 9:20

Note: Data are provisional

Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 4th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	104	15	11	38	6	14	8	33	229	32.3
Residential institution	75	13	3	11	3	9	17	4	135	19
Private house	4	6	9	9	5	8	64	21	126	17.7
Hospital	50	2	2	12	2	3	12	5	88	12.4
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
Other	4		2	1		1	4		12	1.7
Public house		2	1				1		4	0.6
Not Specified	1						1		2	0.3
Hotel							1		1	0.1
Total	256	52	43	80	26	47	131	75	710	100

Data source: CIDR as of 06/05/2020 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.