



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 28/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 28th April 2020 at 9:20 am for events created on CIDR up to midnight Sunday 26th April 2020.

Characteristic	Number	%
Total number of confirmed cases	19,383	
Number of new cases since previous day	415	2.1
Total number hospitalised	2,638	13.6
Total number admitted to ICU	358	1.8
Total number of deaths	924	4.8
Total number of outbreaks/clusters	608	-
Total number cases associated with clusters	5,572	28.7
Total number of imported cases	358	1.8
Number of cases in Healthcare workers	5,414	27.9
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total, 19,383 confirmed cases of COVID-19 were notified in Ireland **before midnight April 26th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

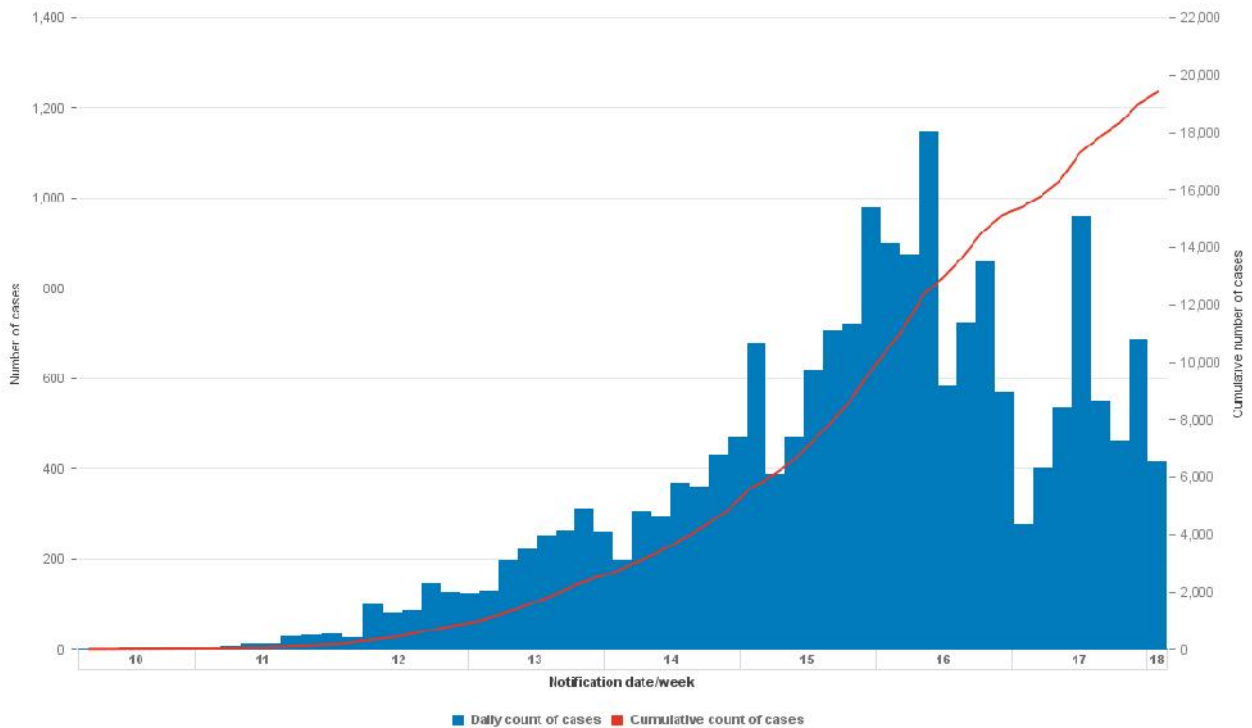


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 26th 2020

Data source: CIDR as of 28/04/2020 9:20

Outbreaks/Clusters

There were 608 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 26th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 26th 2020, Ireland

Characteristic	Number of cases	%
Total	19,383	100
Sex		
Female	11179	57.7
Male	8152	42.1
Unknown	52	0.3
Age group (years)		
<1	33	0.2
1-4	64	0.3
5-14	193	1.0
15-24	1262	6.5
25-34	3096	16.0
35-44	3319	17.1
45-54	3567	18.4
55-64	2586	13.3
65+	5239	27.0
Unknown	24	0.1
HSE area		
HSE East	11329	58.4
HSE Midlands	1031	5.3
HSE Mid-West	1016	5.2
HSE North-East	2289	11.8
HSE North-West	638	3.3
HSE South-East	727	3.8
HSE South	1414	7.3

Data source: CIDR as of 28/04/2020 9:20

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 26th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	14,611	75.4
Other than Ireland	358	1.8
Unknown	4414	22.8
Total	19,383	100

Data source: CIDR as of 28/04/2020 9:20

Note: Data are provisional

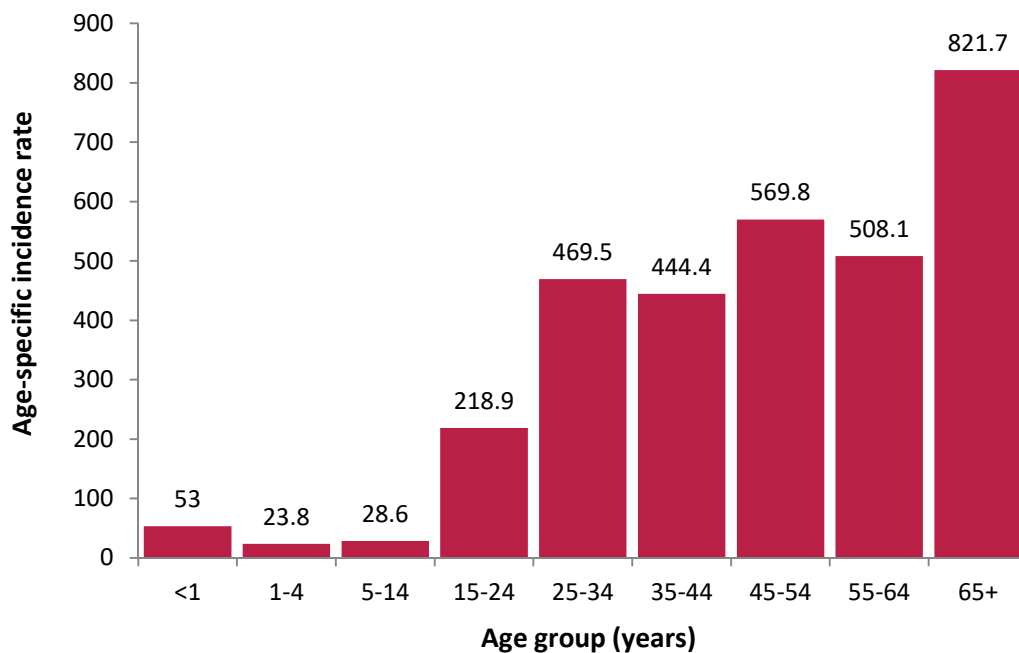


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 26th 2020, Ireland

Data source: CIDR as of 28/04/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

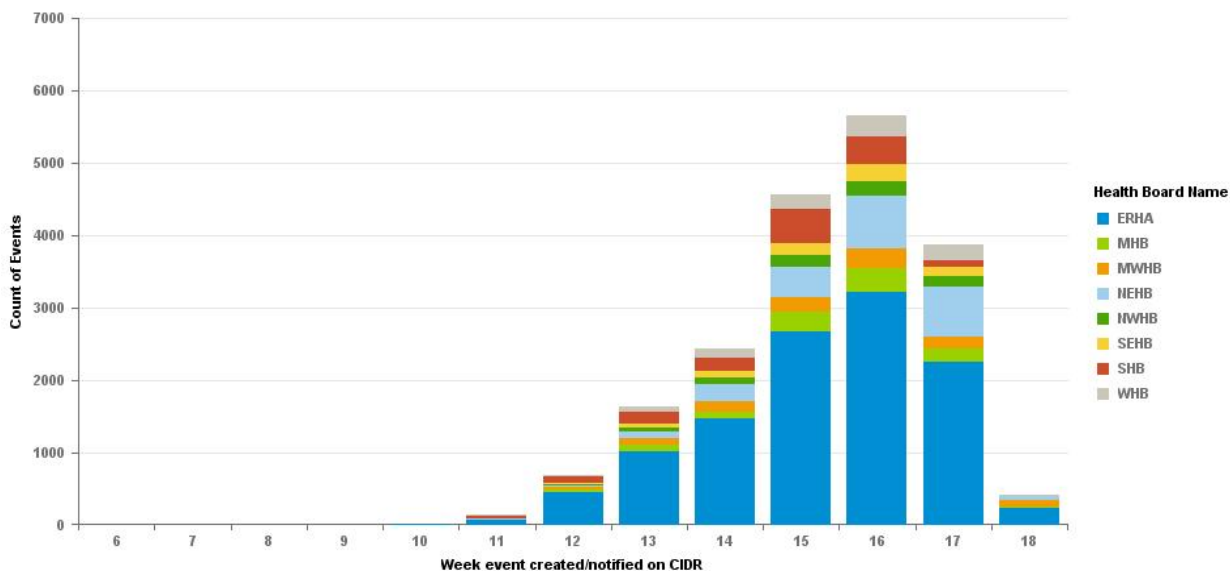


Figure 3: Confirmed cases of COVID-19 notified to midnight April 26th 2020, by HSE Area and week of notification

Data source: CIDR as of 28/04/2020 9:20

Note: Data are provisional

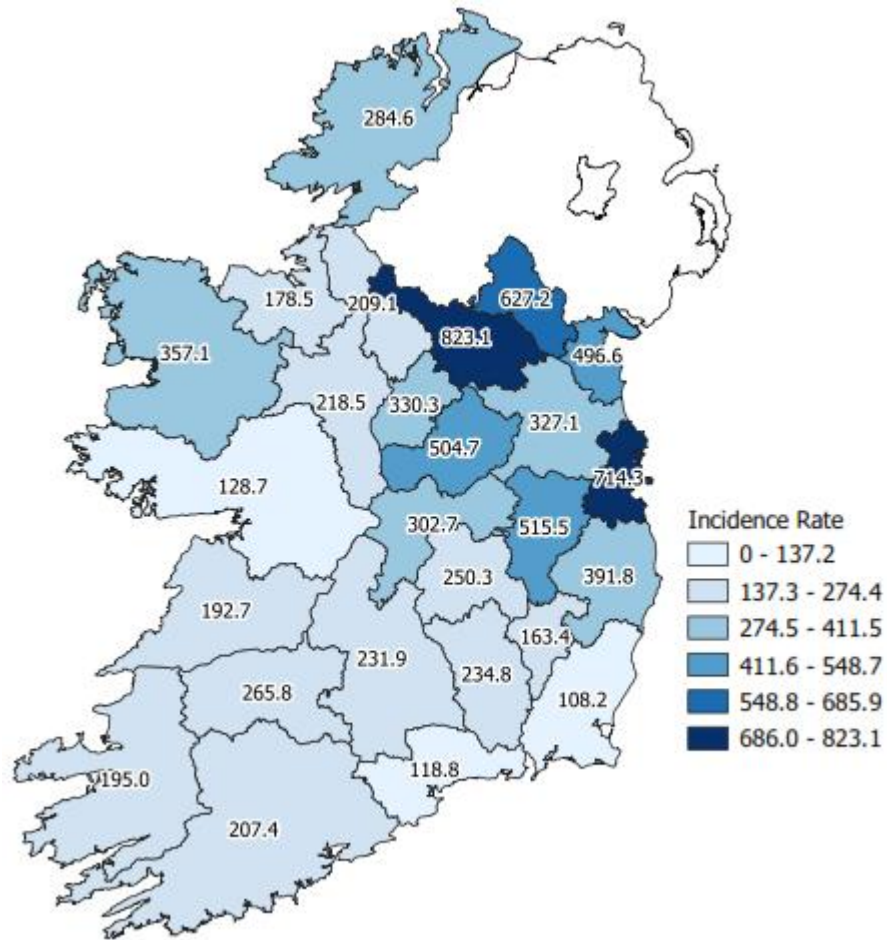


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 26th 2020 by county, Ireland

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 28/04/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 26th 2020 by county

County Name	Number of cases	%
Carlow	93	0.5
Cavan	627	3.2
Clare	229	1.2
Cork	1126	5.8
Donegal	453	2.3
Dublin	9624	49.7
Galway	332	1.7
Kerry	288	1.5
Kildare	1147	5.9
Kilkenny	233	1.2
Laois	212	1.1
Leitrim	67	0.3
Limerick	518	2.7
Longford	135	0.7
Louth	640	3.3
Mayo	466	2.4
Meath	638	3.3
Monaghan	385	2.0
Offaly	236	1.2
Roscommon	141	0.7
Sligo	117	0.6
Tipperary	370	1.9
Waterford	138	0.7
Westmeath	448	2.3
Wexford	162	0.8
Wicklow	558	2.9
Total	19383	100

Data source: CIDR as of 28/04/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight April 26th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Possible community transmission	2,496	12.9
Local transmission	4,614	23.8
Community transmission	6,950	35.9
Possible local transmission	408	2.1
Travel abroad	178	0.9
Possible travel abroad	345	1.8
Unknown	4,392	22.7
Total	19,383	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 28/04/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 26th 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	97	14	0.5	0	0.0	0	0.0
5 - 14	193	8	0.3	1	0.3	0	0.0
15-24	1262	54	2.0	6	1.7	1	0.1
25-34	3096	159	6.0	13	3.6	3	0.3
35-44	3319	228	8.6	33	9.2	9	1.0
45-54	3567	353	13.4	76	21.2	18	1.9
55-64	2586	401	15.2	99	27.7	41	4.4
65+	5239	1418	53.8	130	36.3	852	92.2
Unknown	24	3	0.1	0	0.0	0	0.0
Total	19383	2638	100	358	100	924	100

Data source: CIDR as of 28/04/2020 9:20

Of the 19,383 laboratory confirmed COVID-19 cases, 924 have died, giving a case fatality rate of 4.8%. Of the patients who were hospitalised, 14% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 26th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	86	2924	174	3184
HSE Midlands	10	215	91	316
HSE Mid-West	15	86	168	269
HSE North-East	6	31	636	673
HSE North-West	8	111	103	222
HSE South-East	5	3	207	215
HSE South	20	108	192	320
HSE West	7	81	127	215
Total	157	3559	1698	5414

Data source: CIDR as of 28/04/2020 9:20

Note: Data are provisional

Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight April 26th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	99	14	9	36	5	9	8	31	211	34.7
Residential institution	63	11	2	10	5	6	14	5	116	19.1
Private house	2	6	7	9	5	8	25	21	83	13.7
Hospital	44	2	2	12	2	3	11	6	82	13.5
Comm. Hosp/Long-stay unit	5	4			5	2	8	1	25	4.1
Workplace	5	5	2	1	1	4	6	2	26	4.3
Travel related		3	5	4	2	1	5	2	22	3.6
Extended family	2		4		2	3	3	1	15	2.5
Other	3		2	2		1	4		12	2
Community outbreak	4	1	1	1			1	2	10	1.6
Public house		2	1				1		4	0.7
Hotel							1		1	0.2
Not Specified	1								1	0.2
Total	228	48	35	75	27	37	87	71	608	100

Data source: CIDR as of 28/04/2020 09:20

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.