



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 27/04/2020 for NPHE

Note: Data are provisional and confidential

Summary

This report includes data as of 27th April 2020 at 9:20 am for events created on CIDR up to midnight Saturday 25th April 2020.

Characteristic	Number	%
Total number of confirmed cases	19,095	
Number of new cases since previous day	690	3.6
Total number hospitalised	2,625	13.7
Total number admitted to ICU	353	1.8
Total number of deaths	897	4.7
Total number of outbreaks/clusters	604	-
Total number cases associated with clusters	5,272	27.6
Total number of imported cases	361	1.9
Number of cases in Healthcare workers	5,204	27.3
Median age (years)	49	-
Age range (years)	0-106	-

Confirmed cases

In total, 19,095 confirmed cases of COVID-19 were notified in Ireland **before midnight April 25th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

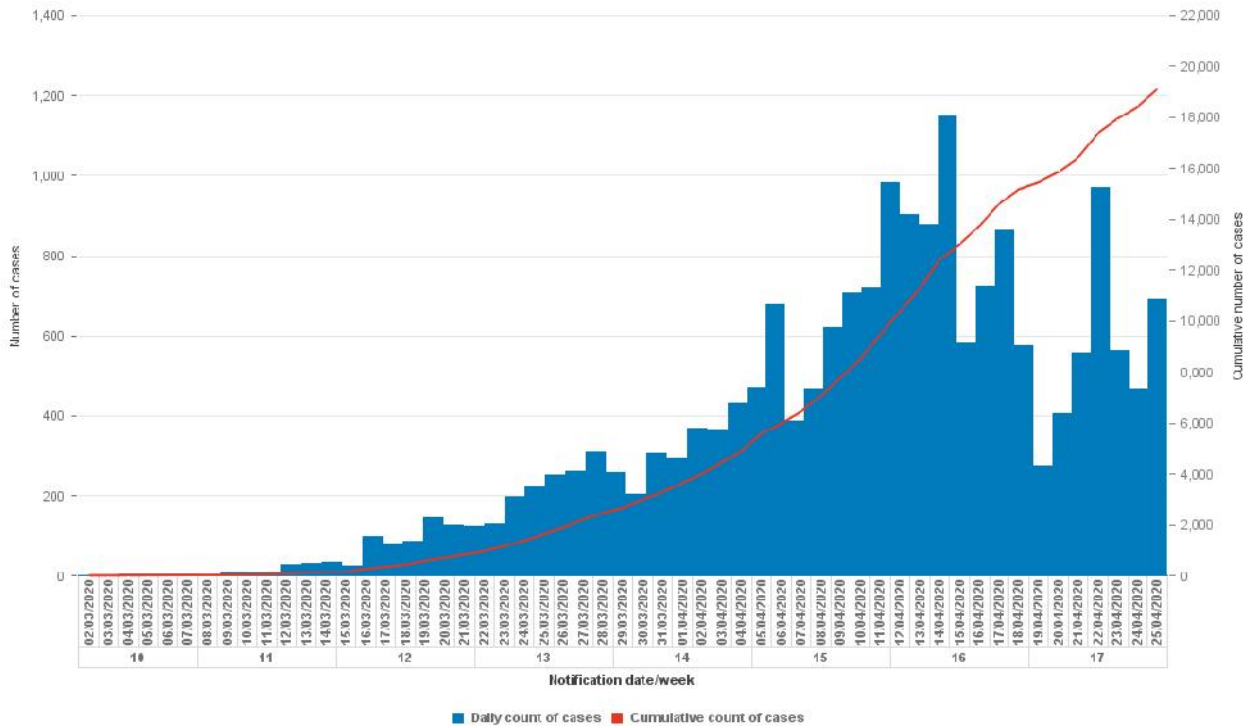


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 25th 2020

Data source: CIDR as of 27/04/2020 9:20

Outbreaks/Clusters

There were 604 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 25th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 25th 2020, Ireland

Characteristic	Number of cases	%
Total	19,095	100
Sex		
Female	10963	57.4
Male	8051	42.2
Unknown	81	0.4
Age group (years)		
<1	33	0.2
1-4	64	0.3
5-14	190	1.0
15-24	1236	6.5
25-34	3069	16.1
35-44	3285	17.2
45-54	3526	18.5
55-64	2566	13.4
65+	5101	26.7
Unknown	25	0.1
HSE area		
HSE East	11216	58.7
HSE Midlands	1008	5.3
HSE Mid-West	932	4.9
HSE North-East	2234	11.7
HSE North-West	633	3.3
HSE South-East	725	3.8
HSE South	1413	7.4
HSE West	934	4.9

Data source: CIDR as of 27/04/2020 9:20

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 25th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	14,287	74.8
Other than Ireland	361	1.9
Unknown	4447	23.3
Total	19,095	100

Data source: CIDR as of 27/04/2020 9:20

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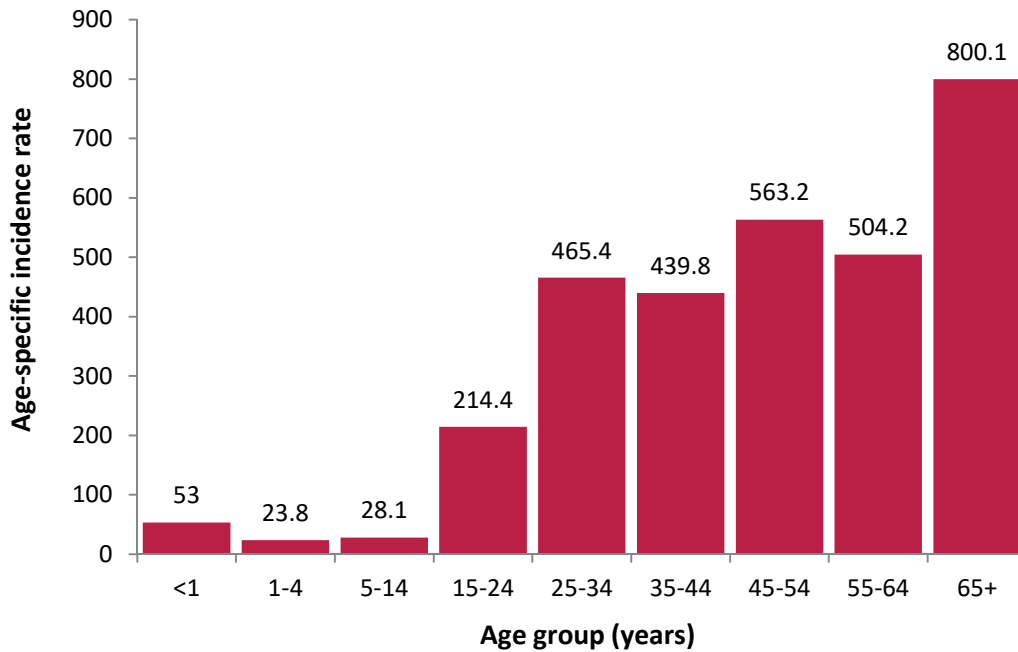


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 25th 2020, Ireland

Data source: CIDR as of 27/04/2020 9:20, rates are calculated using the 2016 census (www.cso.ie)

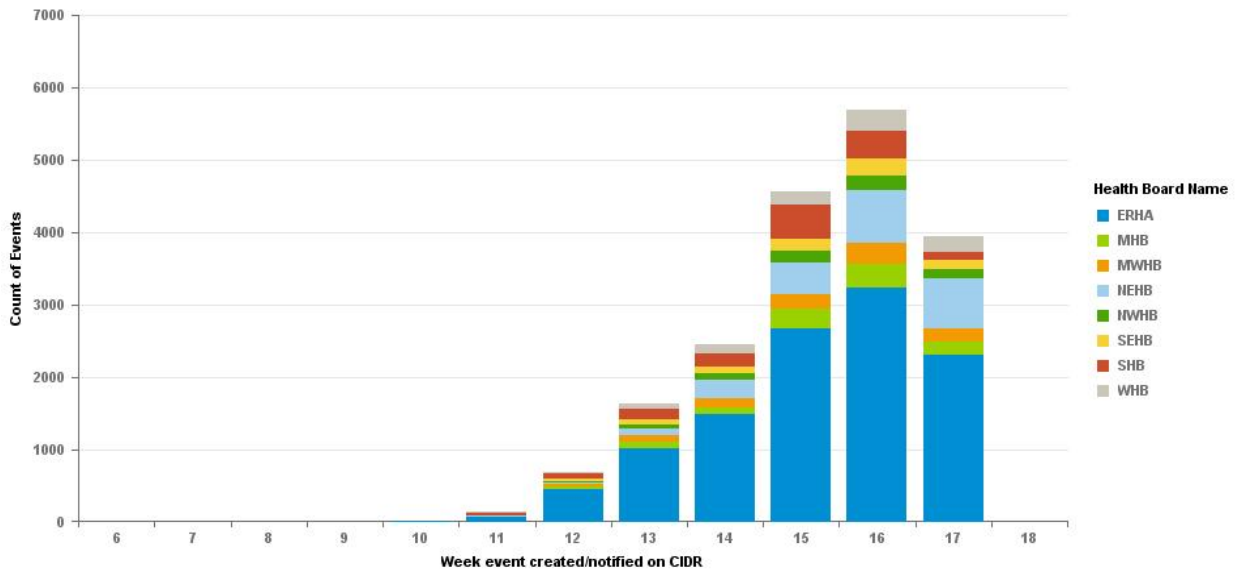


Figure 3: Confirmed cases of COVID-19 notified to midnight April 25th 2020, by HSE Area and week of notification

Data source: CIDR as of 27/04/2020 9:20

Note: Data are provisional

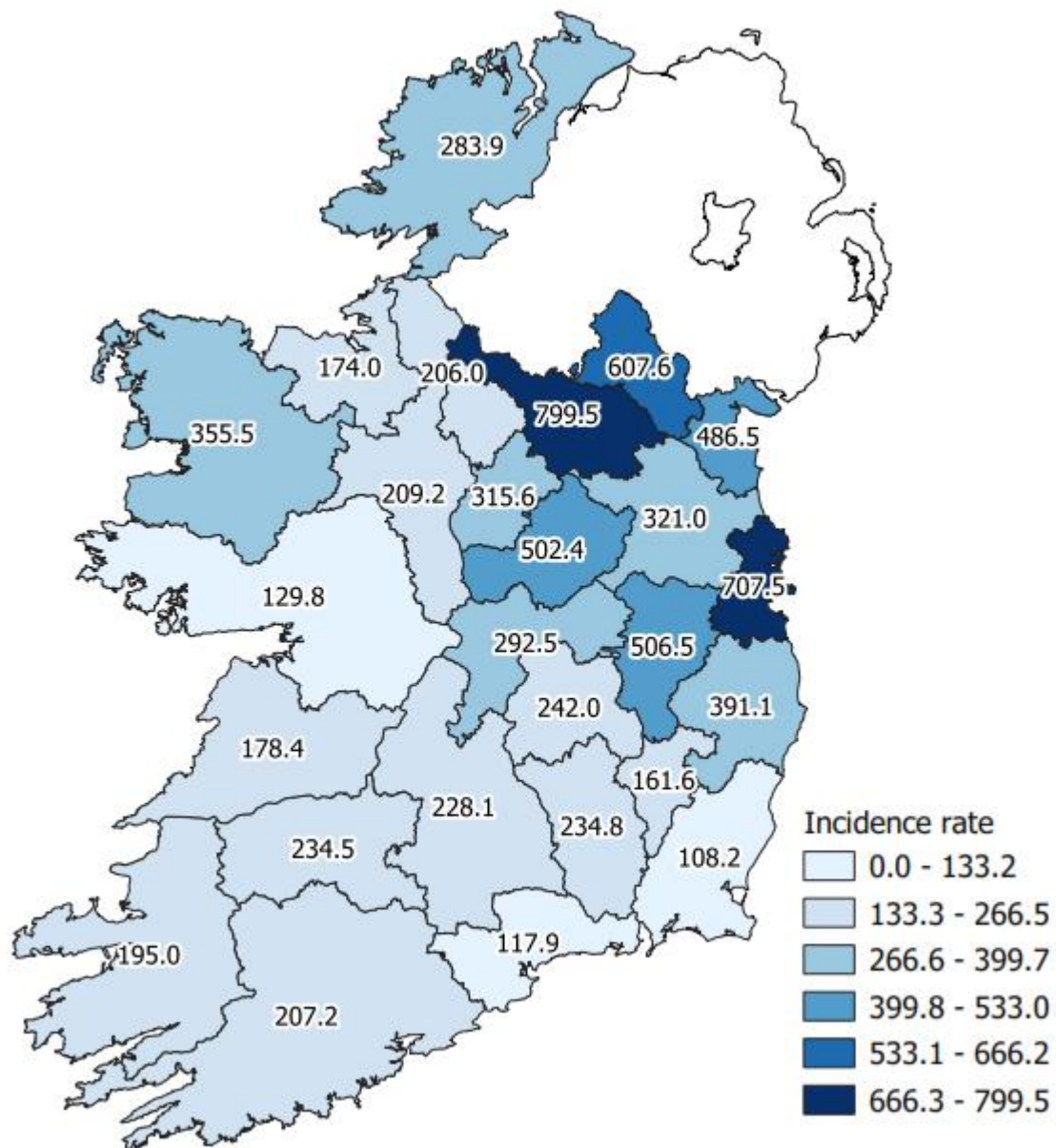


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 25th 2020 by county, Ireland

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 27/04/2020 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 25th 2020 by county

County Name	Number of cases	%
Carlow	92	0.5
Cavan	609	3.2
Clare	212	1.1
Cork	1125	5.9
Donegal	452	2.4
Dublin	9532	49.9
Galway	335	1.8
Kerry	288	1.5
Kildare	1127	5.9
Kilkenny	233	1.2
Laois	205	1.1
Leitrim	66	0.3
Limerick	457	2.4
Longford	129	0.7
Louth	627	3.3
Mayo	464	2.4
Meath	626	3.3
Monaghan	373	2.0
Offaly	228	1.2
Roscommon	135	0.7
Sligo	114	0.6
Tipperary	364	1.9
Waterford	137	0.7
Westmeath	446	2.3
Wexford	162	0.8
Wicklow	557	2.9
Total	19095	100

Data source: CIDR as of 27/04/2020 9:20

Table 4: Number of confirmed COVID-19 cases notified to midnight April 25th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Possible community transmission	6,847	35.9
Local transmission	4,446	23.3
Community transmission	2,480	13.0
Possible local transmission	379	2.0
Travel abroad	347	1.8
Possible travel abroad	178	0.9
Unknown	4,418	23.1
Total	19,095	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 27/04/2020 9:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 25th 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	190	8	0.3	1	0.3	0	0.0
15-24	1236	54	2.1	5	1.4	2	0.2
25-34	3069	160	6.1	12	3.4	3	0.3
35-44	3285	226	8.6	32	9.1	9	1.0
45-54	3526	352	13.4	76	21.5	18	2.0
55-64	2566	396	15.1	98	27.8	39	4.3
65+	5101	1412	53.8	129	36.5	826	92.1
Unknown	25	3	0.1	0	0.0	0	0.0
Total	19095	2625	100	353	100	897	100

Data source: CIDR as of 27/04/2020 9:20

Of the 19,095 laboratory confirmed COVID-19 cases, 897 have died, giving a case fatality rate of 4.7%. Of the patients who were hospitalised, 13% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 25th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	87	2793	184	3064
HSE Midlands	10	212	89	311
HSE Mid-West	15	86	145	246
HSE North-East	6	31	583	620
HSE North-West	8	101	110	219
HSE South-East	5	3	206	214
HSE South	20	108	181	309
HSE West	7	86	128	221
Total	158	3420	1626	5204

Data source: CIDR as of 27/04/2020 9:20

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Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight April 25th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	97	14	9	36	5	9	8	31	209	34.6
Residential institution	60	12	2	10	5	6	14	5	114	18.9
Private house	2	6	7	9	5	8	25	21	83	13.7
Hospital	43	2	2	11	2	3	11	6	80	13.2
Comm. Hosp/Long-stay unit	5	4			8	2	8	1	28	4.6
Workplace	4	5	2	1	2	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	1	9	1.5
Public house		2	1				1		4	0.7
Hotel							1		1	0.2
Not Specified	1								1	0.2
Total	221	49	35	74	31	37	87	70	604	100

Data source: CIDR as of 27/04/2020 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.