



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 11/04/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 11th April 2020 10:20 for events created on CIDR up to midnight Thursday 9th April 2020.

Characteristic	Number	%
Total number of confirmed cases	7,787	
Number of new cases April 9th	716	9.2
Total number hospitalised	1,718	22.1
Total number admitted to ICU*	253	3.2
Total number of deaths	314	4.0
Total number of outbreaks/clusters	356	-
Total number cases associated with clusters	1,626	20.9
Total number of imported cases	341	4.4
Number of cases in Healthcare workers	2,141	27.5
Median age (years)	48	-
Age range (years)	0 - 99	-

*Total COVID-19 admissions to ICU before midnight April 9th 2020

Confirmed cases

In total, 7,787 confirmed cases of COVID-19 were notified in Ireland **before midnight April 9th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

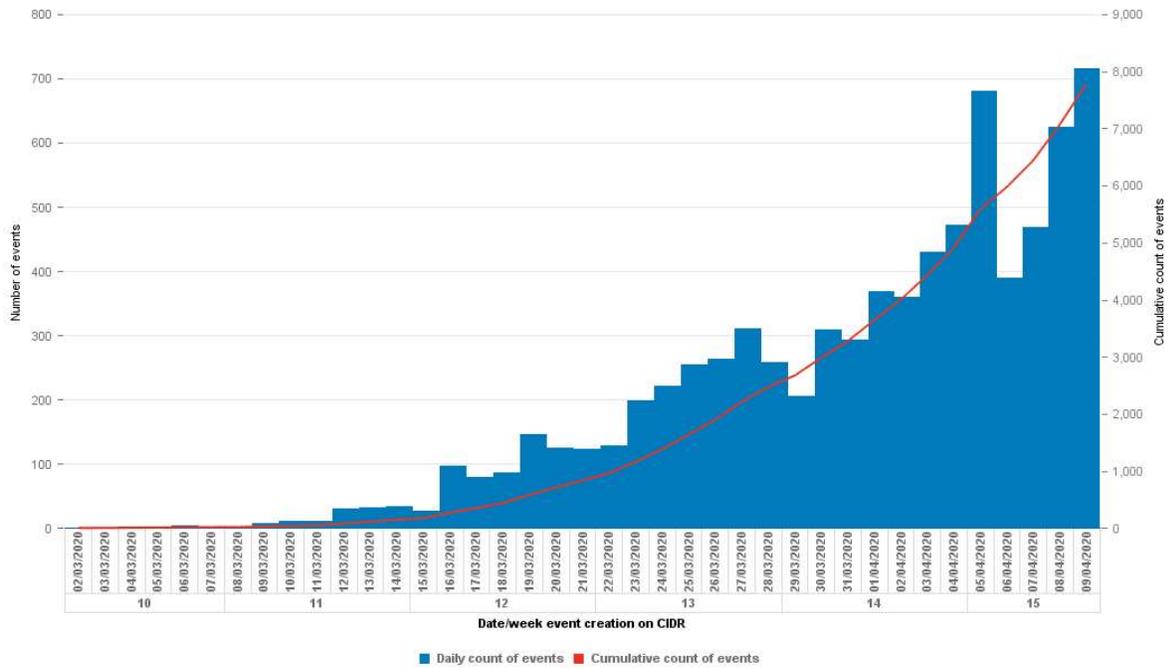


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 9th 2020

Data source: CIDR as of 11/04/2020 10:20

Outbreaks/Clusters

There were 356 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 9th 2020**.

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 9th 2020, Ireland

Characteristic	Number of cases	%
Total	7,787	100
Sex		
Female	4212	54.1
Male	3489	44.8
Unknown	86	1.1
Age group (years)		
<1	18	0.2
1-4	22	0.3
5-14	52	0.7
15-24	473	6.1
25-34	1343	17.2
35-44	1418	18.2
45-54	1479	19.0
55-64	1138	14.6
65+	1825	23.4
Unknown	19	0.2
HSE area		
HSE East	4734	60.8
HSE Midlands	391	5.0
HSE Mid-West	421	5.4
HSE North-East	613	7.9
HSE North-West	237	3.0
HSE South-East	291	3.7
HSE South	736	9.5
HSE West	364	4.7

Data source: CIDR as of 11/04/2020 10:20

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 9th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	5198	66.8
Other than Ireland	341	4.4
Unknown	2,248	28.9
Total	7787	100

Data source: CIDR as of 11/04/2020 10:20

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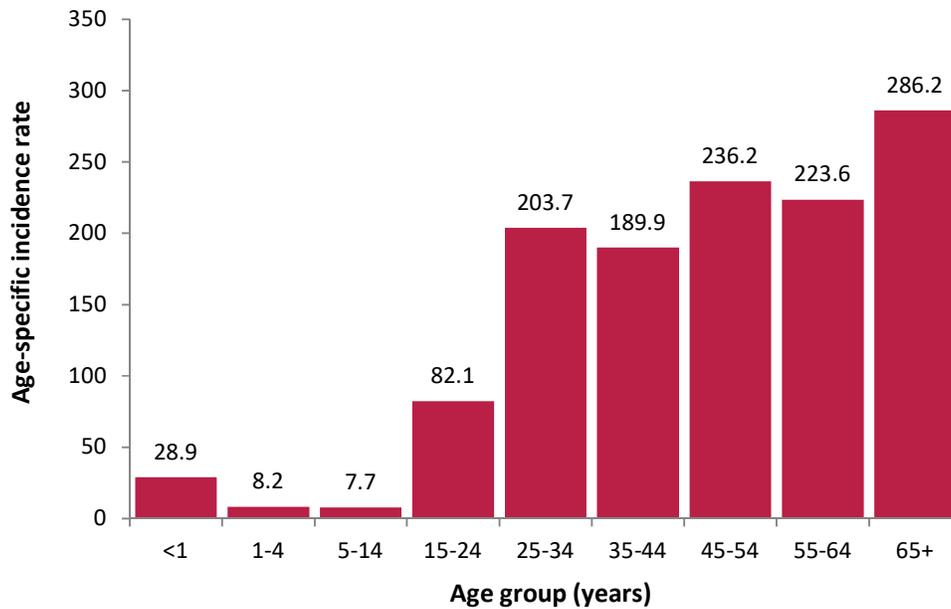


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 8th 2020, Ireland

Data source: CIDR as of 11/04/2020 10:20, rates are calculated using the 2016 census (www.cso.ie)

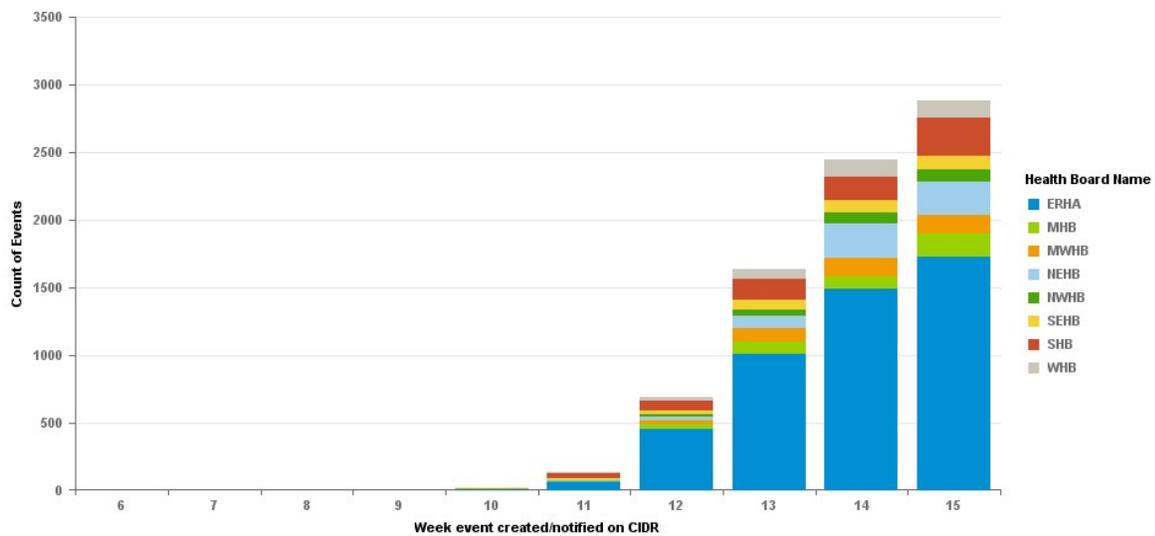


Figure 3: Confirmed cases of COVID-19 notified to midnight April 9th 2020, by HSE Area and week of notification

Data source: CIDR as of 11/04/2020 10:20

Note: Data are provisional

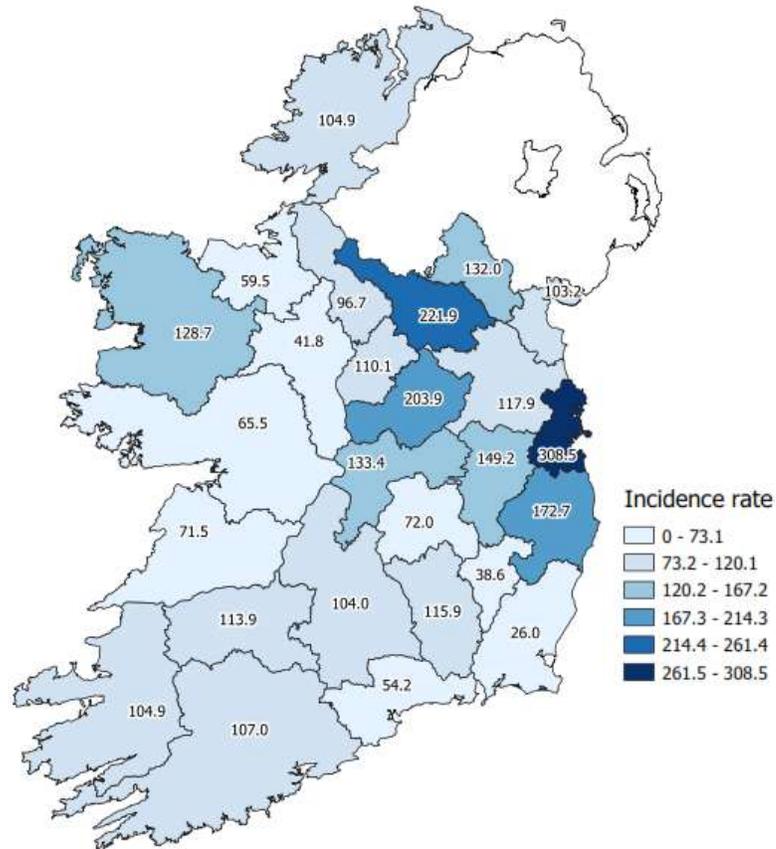


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 9th 2020 by county, Ireland

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 11/04/2020 10:20, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 9th 2020 by county

County Name	Count of Events	%
Carlow	22	0.3
Cavan	169	2.2
Clare	85	1.1
Cork	581	7.5
Donegal	167	2.1
Dublin	4156	53.4
Galway	169	2.2
Kerry	155	2.0
Kildare	332	4.3
Kilkenny	115	1.5
Laois	61	0.8
Leitrim	31	0.4
Limerick	222	2.9
Longford	45	0.6
Louth	133	1.7
Mayo	168	2.2
Meath	230	3.0
Monaghan	81	1.0
Offaly	104	1.3
Roscommon	27	0.3
Sligo	39	0.5
Tipperary	166	2.1
Waterford	63	0.8
Westmeath	181	2.3
Wexford	39	0.5
Wicklow	246	3.2
Total	7787	100

Data source: CIDR as of 11/04/2020 10:20

Table 4: Number of confirmed COVID-19 cases notified to midnight April 9th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	1523	19.6
Possible community transmission	2162	27.8
Local transmission	1406	18.1
Possible local transmission	64	0.8
Travel abroad	330	4.2
Possible travel abroad	116	1.5
Unknown	2183	28.0
Total	7784	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 11/04/2020 10:20

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 9th 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	40	10	0.6	0	0.0	0	0
5 - 14	52	4	0.2	1	0.4	0	0
15-24	473	41	2.4	3	1.2	0	0
25-34	1343	119	6.9	9	3.6	2	0.6
35-44	1418	144	8.4	15	5.9	6	1.9
45-54	1479	256	14.9	59	23.3	7	2.2
55-64	1138	271	15.8	70	27.7	14	4.5
65+	1825	871	50.7	96	37.9	285	90.8
Unknown	19	2	0.1	0	0	0	0
Total	7787	1718	100	253	100	314	100

Data source: CIDR as of 11/04/2020 10:20

Of the 7,787 laboratory confirmed cases of COVID-19, 314 had died, giving a case fatality rate of 4.0. Of the patients who were hospitalised, 15% were admitted to ICU.

Table 6: Number of confirmed cases of COVID-19 notified to midnight April 9th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	67	1146	67	1280
HSE Midlands	5	71	41	117
HSE Mid-West	12	60	39	111
HSE North-East	2	16	124	142
HSE North-West	7	23	27	57
HSE South-East	5	3	91	99
HSE South	21	102	65	188
HSE West	7	73	67	147
Total	126	1494	521	2141

Data source: CIDR as of 11/04/2020 10:20

Of the 2,141 cases who were healthcare workers, 70% had no history of foreign travel in the 14 days prior to onset of symptoms.

Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight April 9th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	70	5	4	22	3	1	3	22	130	36.5
Hospital	34	2		7	1	2	7	3	56	15.7
Residential institution	28	6	2	2	1	1	5	3	48	13.5
Private house	2	3		4	5	8	7	17	46	12.9
Comm. Hosp/Long-stay unit	4	7			2	1	5	3	22	6.2
Travel related		3	4	4	2	1	5	2	21	5.9
Extended family	2		1		2	3	2		10	2.8
Workplace	1					2	5	1	9	2.5
Community outbreak		1	1	1					3	0.8
Public house		2					1		3	0.8
Hotel							1		1	0.3
Other			2	1			1	2	6	1.7
Not Specified	1								1	0.3
Total	142	29	14	41	16	19	42	53	356	100

Data source: CIDR as of 11/04/2020 10:20

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.