



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 10/04/2020 for NPHE

**Note: Data are provisional**

## Summary

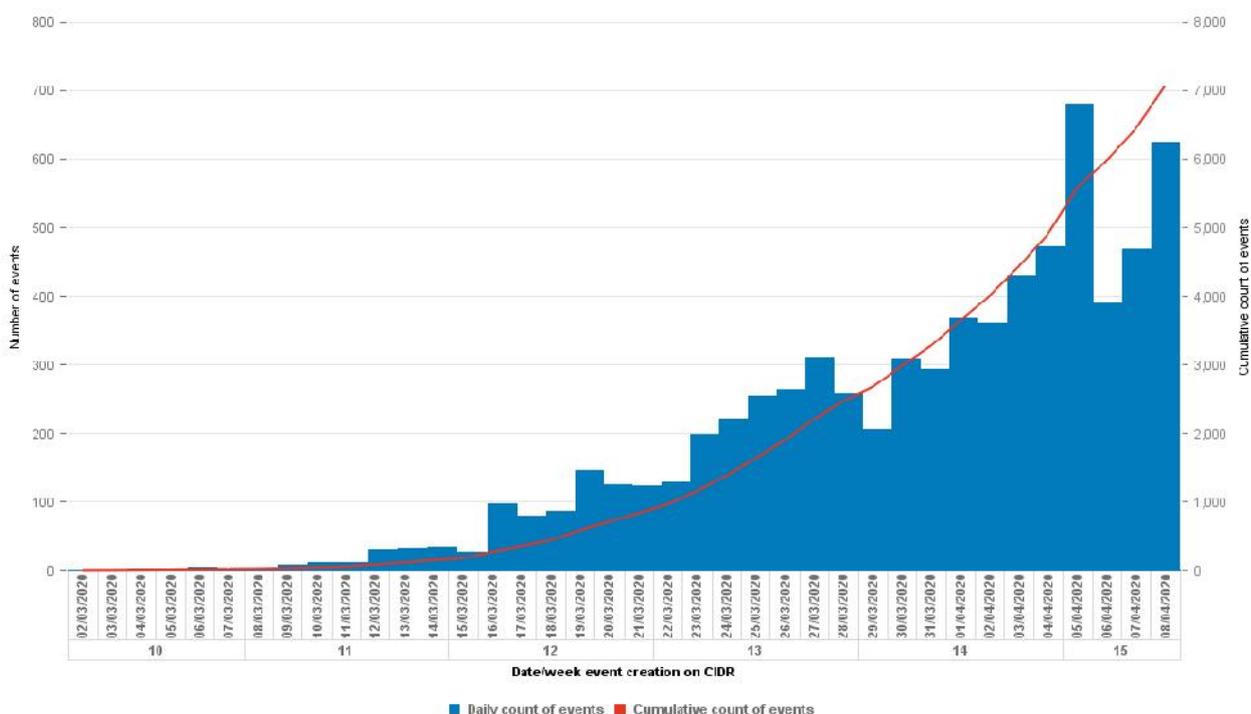
This report includes data as of 10<sup>th</sup> April 2020 11:25 for events created on CIDR up to midnight Wednesday 8<sup>th</sup> April 2020.

Characteristic	Number	%
Total number of confirmed cases	7,071	
Number of new cases April 8th	627	8.9
Total number hospitalised	1,631	23.1
Total number admitted to ICU*	244	3.5
Total number of deaths	283	4.0
Total number of outbreaks/clusters	339	-
Total number cases associated with clusters	1,512	21.4
Total number of imported cases	338	4.8
Number of cases in Healthcare workers	1,949	27.6
Median age (years)	48	-
Age range (years)	0 - 99	-

\*Total COVID-19 admissions to ICU before midnight April 8<sup>th</sup> 2020

## Confirmed cases

In total, 7,071 confirmed cases of COVID-19 were notified in Ireland **before midnight April 8<sup>th</sup> 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 8<sup>th</sup> 2020**

Data source: CIDR as of 10/04/2020 11:25

## Outbreaks/Clusters

There were 339 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 8<sup>th</sup> 2020**.

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 8<sup>th</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	7,071	100
<b>Sex</b>		
Female	3788	53.6
Male	3211	45.4
Unknown	72	1.0
<b>Age group (years)</b>		
<1	16	0.2
1-4	20	0.3
5-14	45	0.6
15-24	423	6.0
25-34	1220	17.3
35-44	1304	18.4
45-54	1339	18.9
55-64	1015	14.4
65+	1670	23.6
Unknown	19	0.3
<b>HSE area</b>		
HSE East	4400	62.2
HSE Midlands	330	4.7
HSE Mid-West	361	5.1
HSE North-East	542	7.7
HSE North-West	201	2.8
HSE South-East	250	3.5
HSE South	648	9.2
HSE West	339	4.8

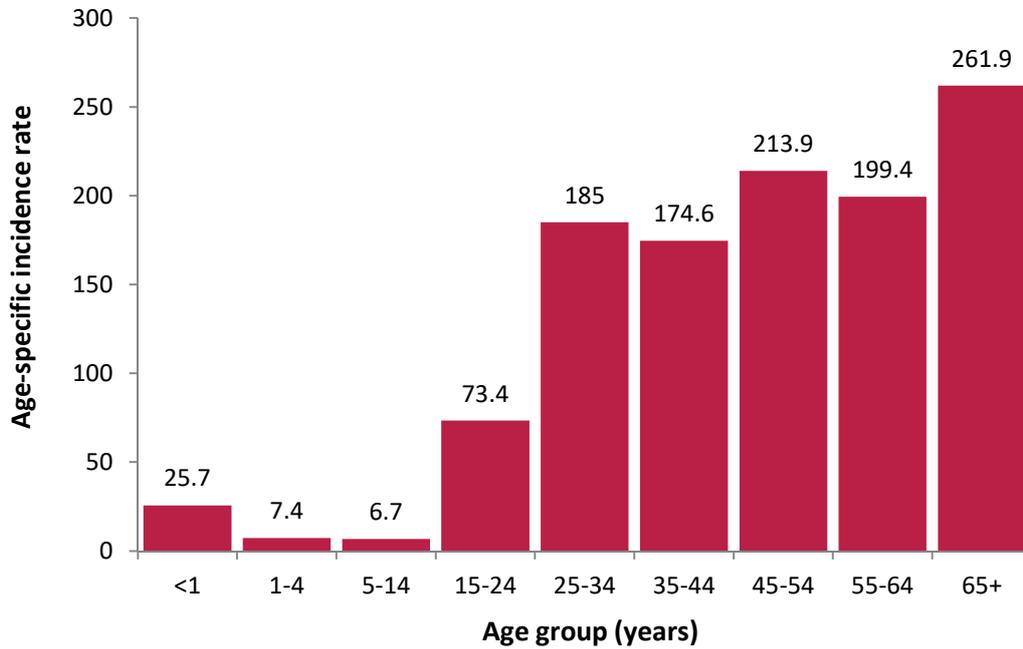
Data source: CIDR as of 10/04/2020 11:25

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 8<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	4794	67.8
Other than Ireland	338	4.8
Unknown	1,939	27.4
<b>Total</b>	<b>7071</b>	<b>100</b>

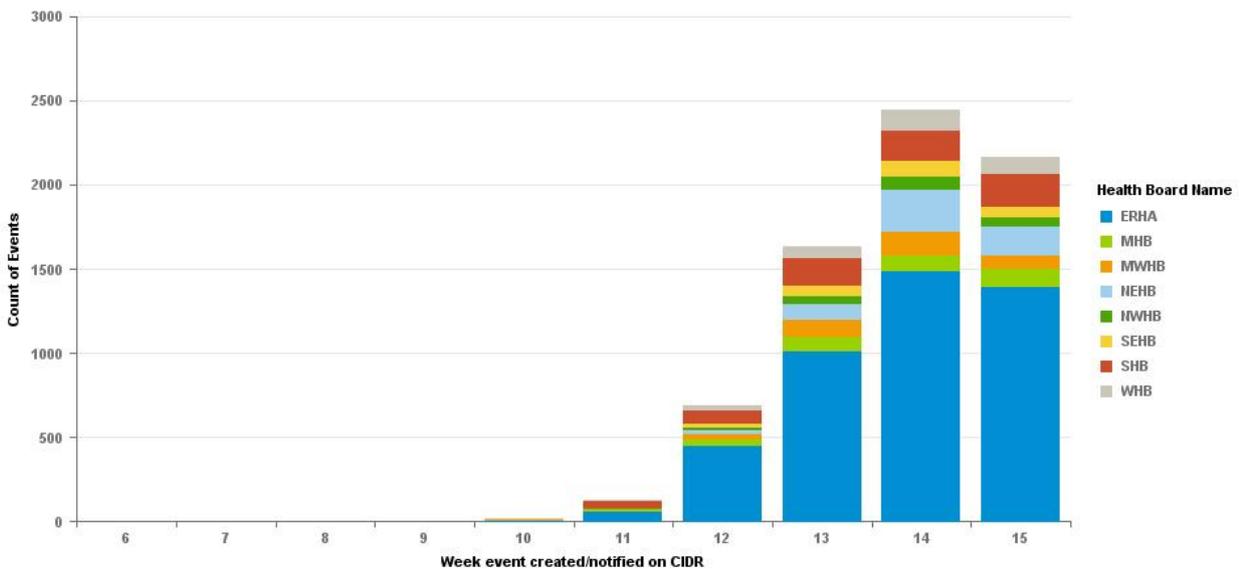
Data source: CIDR as of 10/04/2020 11:25

**Note: Data are provisional**



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

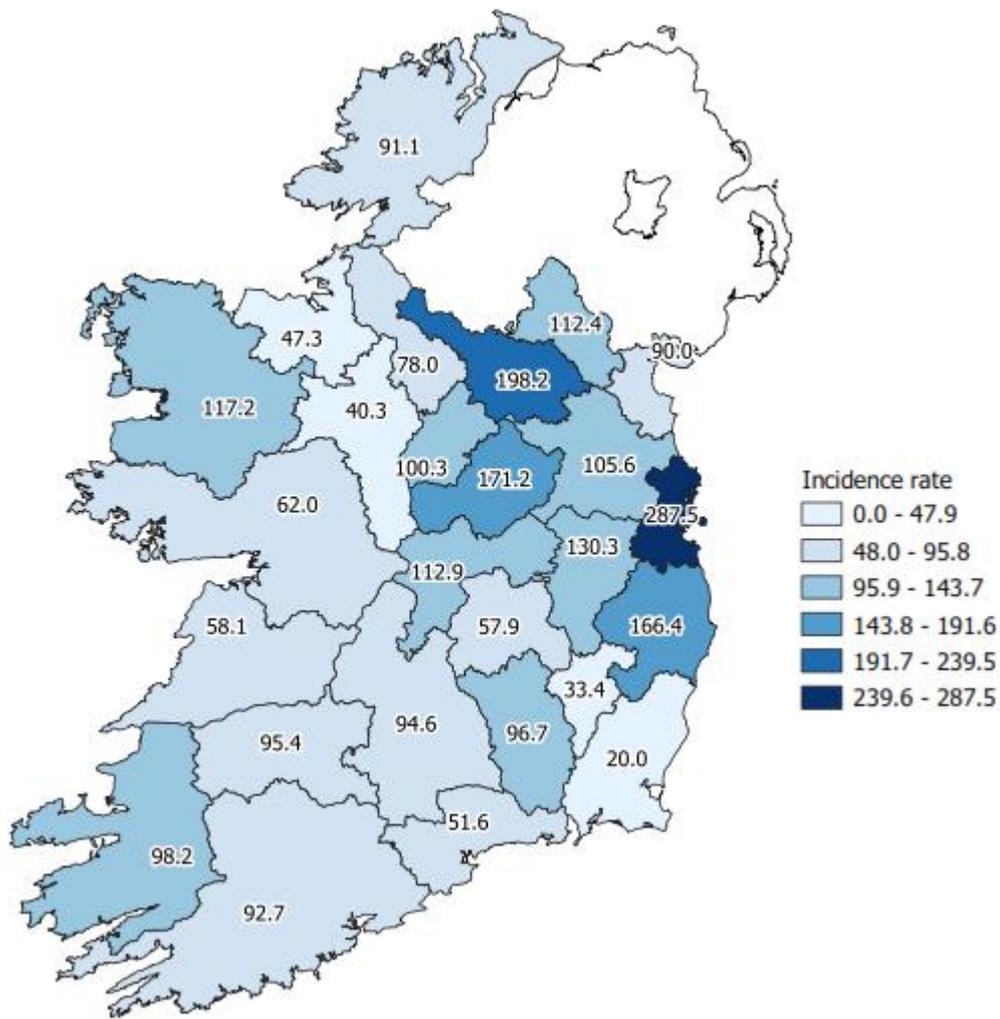
Data source: CIDR as of 10/04/2020 11:25, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight April 8<sup>th</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 10/04/2020 11:25

**Note: Data are provisional**



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 8<sup>th</sup> 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 10/04/2020 11:25, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))

**Table 3: Number of confirmed cases of COVID-19 notified to midnight April 8<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	19	0.3
Cavan	151	2.1
Clare	69	1.0
Cork	503	7.1
Donegal	145	2.1
Dublin	3873	54.8
Galway	160	2.3
Kerry	145	2.1
Kildare	290	4.1
Kilkenny	96	1.4
Laois	49	0.7
Leitrim	25	0.4
Limerick	186	2.6
Longford	41	0.6
Louth	116	1.6
Mayo	153	2.2
Meath	206	2.9
Monaghan	69	1.0
Offaly	88	1.2
Roscommon	26	0.4
Sligo	31	0.4
Tipperary	151	2.1
Waterford	60	0.8
Westmeath	152	2.1
Wexford	30	0.4
Wicklow	237	3.4
<b>Total</b>	<b>7071</b>	<b>100</b>

Data source: CIDR as of 10/04/2020 11:25

**Table 4: Number of confirmed COVID-19 cases notified to midnight April 8<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	1452	20.5
Possible community transmission	1987	28.1
Local transmission	1258	17.8
Possible local transmission	52	0.7
Travel abroad	326	4.6
Possible travel abroad	115	1.6
Unknown	1881	26.6
<b>Total</b>	<b>7071</b>	<b>100</b>

\*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 10/04/2020 11:25

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight April 8<sup>th</sup> 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)	Case that died (%)
<5	36	10	0.6	0	0.0	0	0
5 - 14	45	4	0.2	1	0.4	0	0
15-24	423	39	2.4	3	1.2	0	0
25-34	1220	115	7.1	9	3.7	2	0.7
35-44	1304	137	8.4	13	5.3	4	1.4
45-54	1339	249	15.3	58	23.8	7	2.5
55-64	1015	256	15.7	69	28.3	13	4.6
65+	1670	819	50.2	91	37.3	257	90.8
Unknown	19	2	0.1	0	0	0	0
<b>Total</b>	<b>7071</b>	<b>1631</b>	<b>100</b>	<b>244</b>	<b>100</b>	<b>283</b>	<b>100</b>

Data source: CIDR as of 10/04/2020 11:25

Of the 7,071 laboratory confirmed cases of COVID-19, 283 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 8<sup>th</sup> 2020 in healthcare workers by HSE-area and travel status**

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	62	1046	67	1175
HSE Midlands	5	53	41	99
HSE Mid-West	12	50	36	98
HSE North-East	2	16	109	127
HSE North-West	7	23	26	56
HSE South-East	5	3	74	82
HSE South	21	97	61	179
HSE West	7	71	55	133
<b>Total</b>	<b>121</b>	<b>1359</b>	<b>469</b>	<b>1949</b>

Data source: CIDR as of 10/04/2020 11:25

Of the 1,946 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 COVID-19 notified to midnight April 8<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	61	6	4	22	3	1	3	17	117	34.5
Hospital	34	2		7	1	2	6	3	55	16.2
Residential institution	27	6	2	2	1	1	5	3	47	13.9
Private house	2	3		4	5	7	7	17	45	13.3
Comm. Hosp/Long-stay unit	4	7			2	1	5	3	22	6.5
Travel related		3	4	4	2	1	5	2	21	6.2
Extended family	2		1		2	3	2		10	2.9
Workplace	2					1	5	1	9	2.7
Community outbreak		1	1	1					3	0.9
Public house		2					1		3	0.9
Hotel							1		1	0.3
Other			2	1			1	1	5	1.5
Not Specified	1								1	0.3
<b>Total</b>	<b>133</b>	<b>30</b>	<b>14</b>	<b>41</b>	<b>16</b>	<b>17</b>	<b>41</b>	<b>47</b>	<b>339</b>	<b>100</b>

Data source: CIDR as of 10/04/2020 11:25

## 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.