



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 01/04/2020 for NPHE

**Note: Data are provisional**

## Summary

This report includes data as of 1<sup>st</sup> April 2020 13:10 for events created on CIDR up to midnight Monday 30<sup>th</sup> March 2020

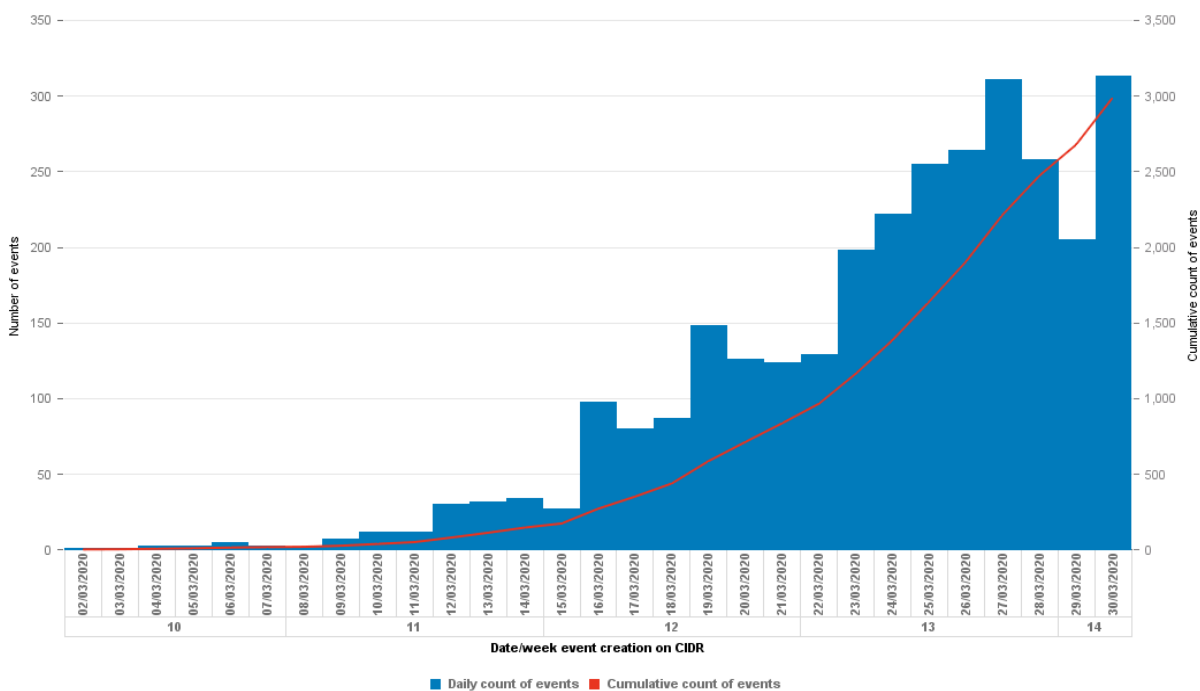
Characteristic	Number	%
Total number of confirmed cases	2990	
Number of new cases 30 <sup>th</sup> March	313	10.5
Total number hospitalised	834	27.9
Total number admitted to ICU	126	4.2
Total number of deaths	84	2.8
Total number of outbreaks/clusters	134	-
Total number cases associated with clusters	563	18.8
Total number of imported cases	303	10.1
Number of cases in Healthcare workers	752	25.2
Median age (years)	48	-
Age range (years)	0 - 99	-

## Confirmed cases

In total, 2,990 confirmed cases of COVID-19 were notified in Ireland **before midnight March 30<sup>th</sup> 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

## Outbreaks/Clusters

One hundred and thirty four outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 30<sup>th</sup> 2020**.



**Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 30<sup>th</sup> 2020**

Data source: CIDR as of 01/04/2020 13:10

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 30<sup>th</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	2990	100
<b>Sex</b>		
Female	1494	50.0
Male	1457	48.7
Unknown	39	1.3
<b>Age group (years)</b>		
<1	8	0.3
1-4	11	0.4
5-14	30	1.0
15-24	194	6.5
25-34	519	17.4
35-44	550	18.4
45-54	558	18.7
55-64	440	14.7
65+	673	22.5
Unknown	7	0.2
<b>HSE area</b>		
HSE East	1802	60.3
HSE Midlands	148	4.9
HSE Mid-West	194	6.5
HSE North-East	166	5.6
HSE North-West	95	3.2
HSE South-East	116	3.9
HSE South	323	10.8
HSE West	146	4.9

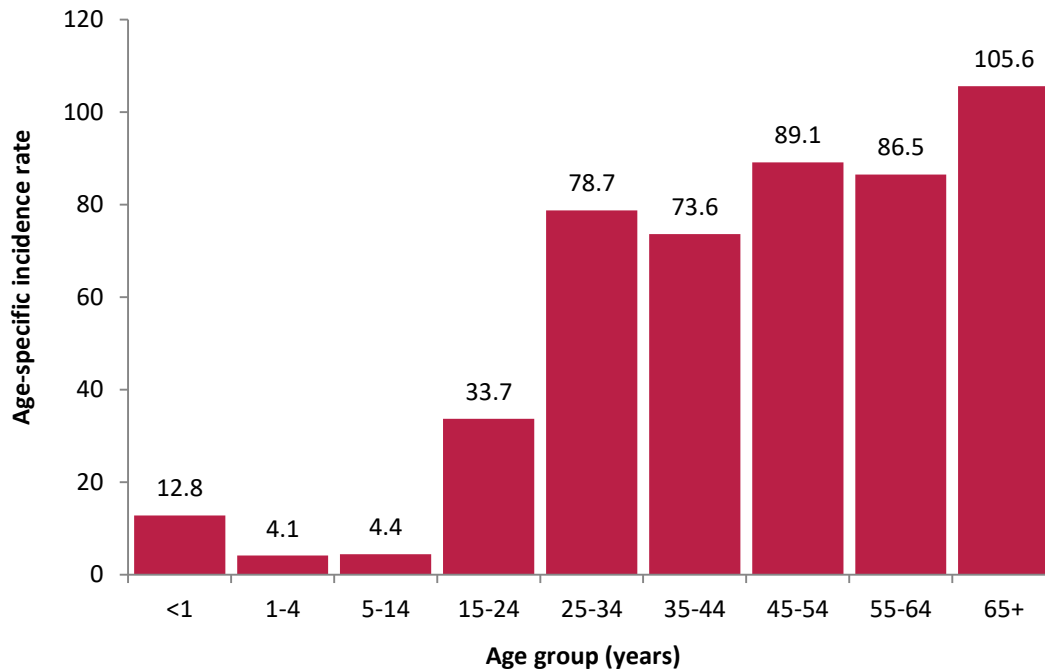
Data source: CIDR as of 01/04/2020 13:10

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight March 30<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	%
Algeria	1	0
Andorra	4	0.1
Argentina	1	0
Austria	51	1.7
Brazil	1	0
Bulgaria	3	0.1
Czech Republic	1	0
Ecuador	1	0
Finland	1	0
France	23	0.8
Germany	2	0.1
Hungary	1	0
Indonesia	1	0
Ireland	1693	56.6
Italy	61	2
Netherlands	5	0.2
Philippines	3	0.1
Poland	1	0
Portugal	2	0.1
Singapore	2	0.1
Spain	32	1.1
Sri Lanka	1	0
Sweden	1	0
Switzerland	7	0.2
Thailand	1	0
United kingdom	84	2.8
United states	12	0.4
Unknown	994	33.2
<b>Total</b>	<b>2990</b>	<b>100</b>

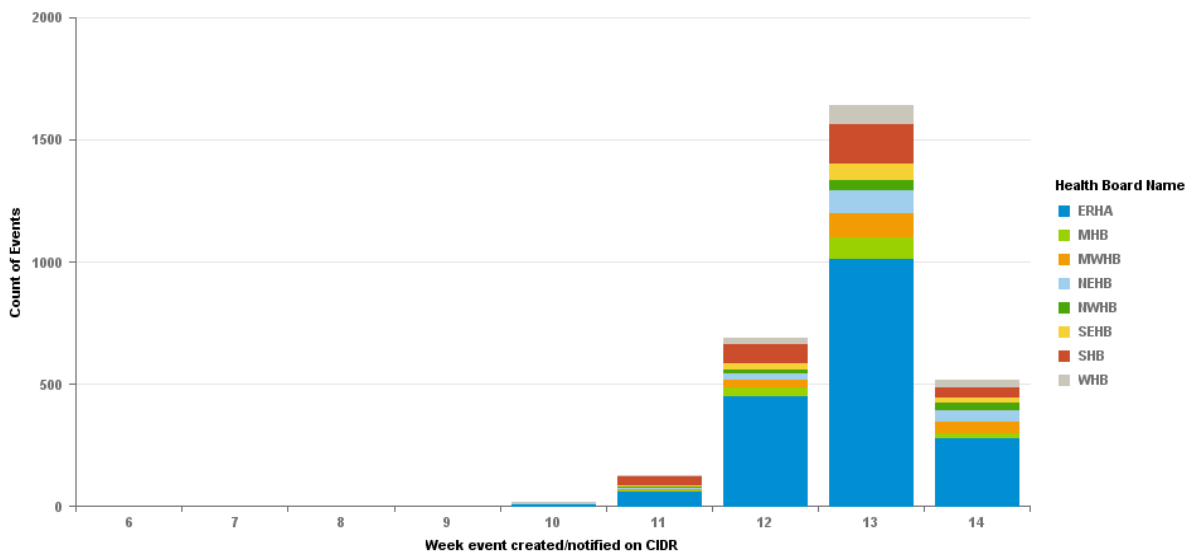
Data source: CIDR as of 01/04/2020 13:10

**Note: Data are provisional**



**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 30<sup>th</sup> 2020, Ireland**

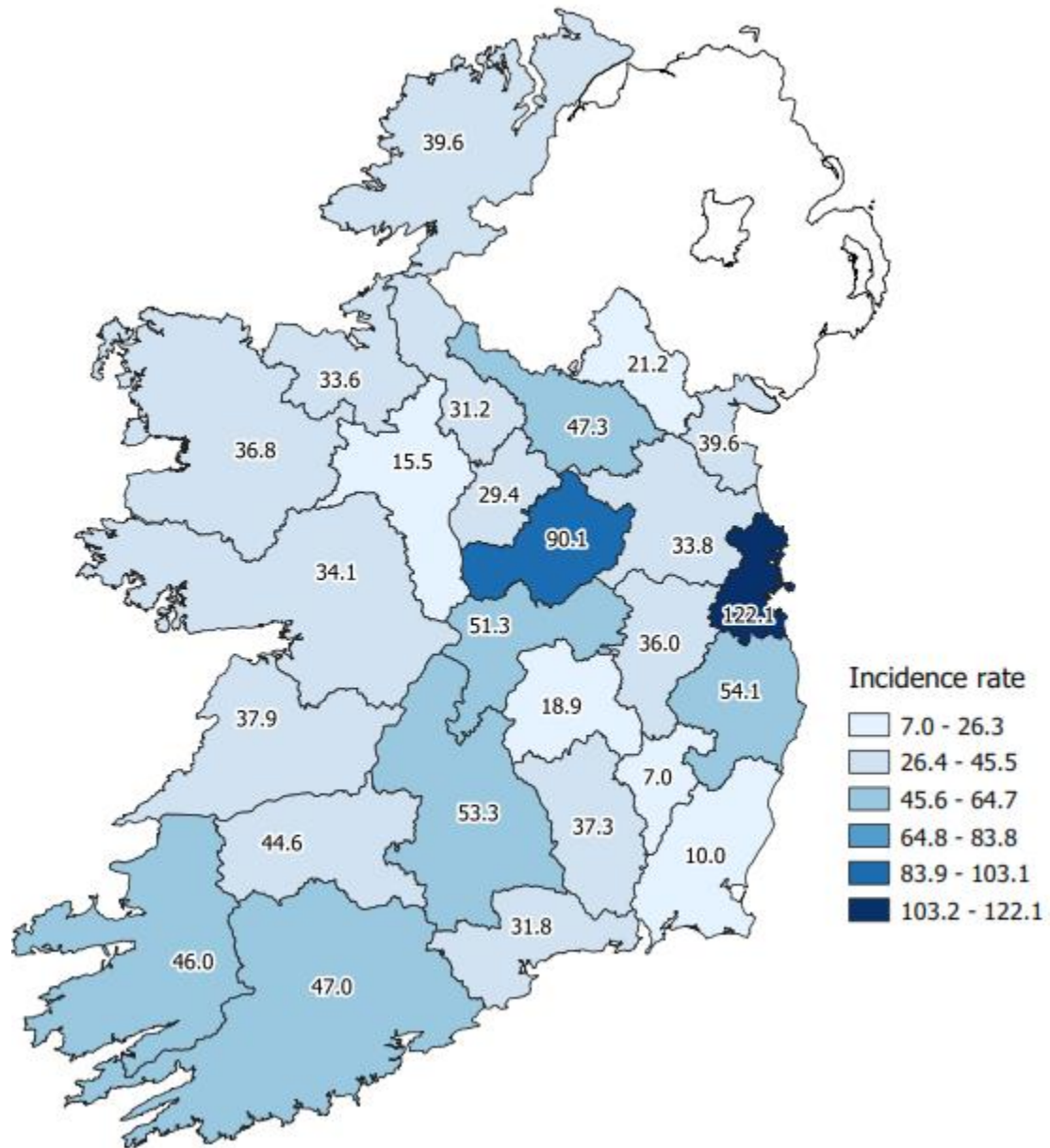
Data source: CIDR as of 01/04/2020 13:10, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight March 30<sup>th</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 01/04/2020 13:10

Note: Data are provisional



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 30<sup>th</sup> 2020 by county, Ireland

Data source: CIDR as of 01/04/2020 13:10, 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 March 30<sup>th</sup> 2020 by County**

County Name	Number of cases	%
Carlow	4	0.1
Cavan	36	1.2
Clare	45	1.5
Cork	255	8.5
Donegal	63	2.1
Dublin	1645	55.0
Galway	88	2.9
Kerry	68	2.3
Kildare	80	2.7
Kilkenny	37	1.2
Laois	16	0.5
Leitrim	10	0.3
Limerick	87	2.9
Longford	12	0.4
Louth	51	1.7
Mayo	48	1.6
Meath	66	2.2
Monaghan	13	0.4
Offaly	40	1.3
Roscommon	10	0.3
Sligo	22	0.7
Tipperary	85	2.8
Waterford	37	1.2
Westmeath	80	2.7
Wexford	15	0.5
Wicklow	77	2.6
<b>Total</b>	<b>2990</b>	<b>100</b>

Data source: CIDR as of 01/04/2020 12:00

**Table 4: Number of confirmed COVID-19 cases notified to midnight March 30<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	732	24.5
Possible community transmission	519	17.4
Local transmission	414	13.8
Possible local transmission	27	0.9
Travel abroad	303	10.1
Possible travel abroad	74	2.5
Unknown	921	30.8
<b>Total</b>	<b>2990</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 01/04/2020 13:10

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight March 30<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	19	6	0.7	0	0.0	0	0
5 - 14	30	3	0.4	1	0.8	0	0
15-24	194	26	3.1	0	0.0	0	0
25-34	519	69	8.3	7	5.6	1	1.2
35-44	550	76	9.1	9	7.1	1	1.2
45-54	558	134	16.1	30	23.8	1	1.2
55-64	440	130	15.6	33	26.2	6	7.1
65+	673	388	46.5	46	36.5	75	89.3
Unknown	7	2	0.2	0	0	0	0
<b>Total</b>	<b>2990</b>	<b>834</b>	<b>100.0</b>	<b>126</b>	<b>100</b>	<b>84</b>	<b>100</b>

Data source: CIDR as of 01/04/2020 13:10

Of the 2,990 laboratory confirmed cases of COVID-19, 84 had died, giving a case fatality rate of 2.8%.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight March 30<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	41	367	11	419
HSE Midlands	3	22	7	32
HSE Mid-West	8	36	11	55
HSE North-East	2	14	8	24
HSE North-West	6	11	1	18
HSE South-East	5	2	31	38
HSE South	18	67	24	109
HSE West	7	49	1	57
<b>Total</b>	<b>90</b>	<b>568</b>	<b>94</b>	<b>752</b>

Data source: CIDR as of 01/04/2020 12:00

Of the 752 cases who were healthcare workers, 76% had no history of foreign travel in the 14 days prior to onset of symptoms.

**Note: Data are provisional**



**Table 7: Number of clusters/outbreaks COVID-19 notified to midnight March 30<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	23	1	1	2				2	29	21.6
Private house	2	1		3	1	6	2	12	27	20.1
Hospital	15	2		2			3	2	24	17.9
Travel related		1	4	4	2	1	5	2	19	14.2
Extended family	2		1		2	3	1		9	6.7
Residential institution	6			1			1	1	9	6.7
Workplace	1					1	2	1	5	3.7
Comm. Hosp/Long-stay unit	2	1						1	4	3.0
Community outbreak		2							2	1.5
Public house		1					1		2	1.5
Hotel							1		1	0.7
Other	1		1	1					3	2.2
<b>Total</b>	<b>52</b>	<b>9</b>	<b>7</b>	<b>13</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>21</b>	<b>134</b>	<b>100</b>

Data source: CIDR as of 01/04/2020 12:00

## 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.