



# Epidemiology of COVID-19 in Ireland

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

**Note: Data are provisional**

## Summary

This report includes data as of 4<sup>th</sup> April 2020 11:10 for events created on CIDR up to midnight Thursday, 2<sup>nd</sup> April, 2020.

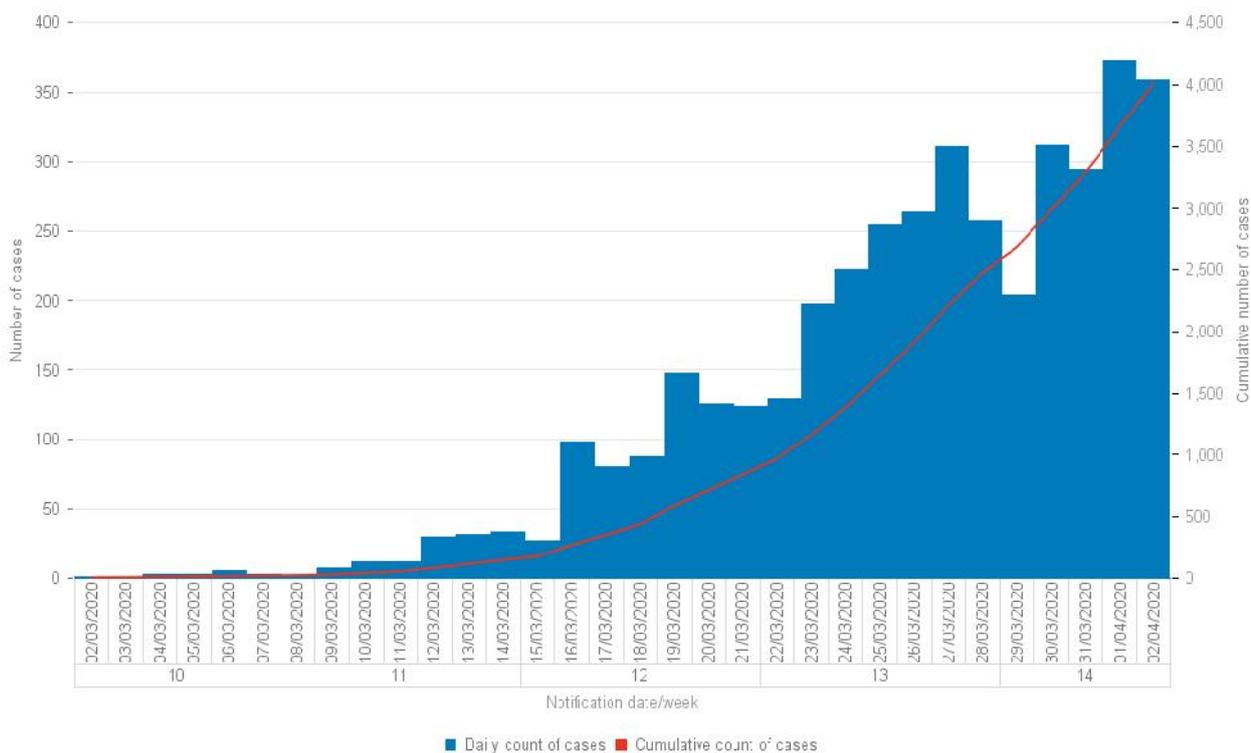
Characteristic	Number	%
Total number of confirmed cases	4,014	
Number of new cases April 2nd	359	8.9
Total number hospitalised	1,118	27.9
Total number admitted to ICU	158	4.0
Total number of deaths	131	3.3
Total number of outbreaks/clusters	206	-
Total number cases associated with clusters	838	20.9
Total number of imported cases	316	7.9
Number of cases in Healthcare workers	1,084	27.0
Median age (years)	48	-
Age range (years)	0 - 99	-

## Confirmed cases

In total, 4,014 confirmed cases of COVID-19 were notified in Ireland **before midnight April 2<sup>nd</sup> 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

## Outbreaks/Clusters

One hundred and seventy one outbreaks/clusters of COVID-19 were notified on CIDR **before midnight April 1<sup>st</sup> 2020**.



**Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 2<sup>nd</sup> 2020**

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

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 2<sup>nd</sup> 2020, Ireland**

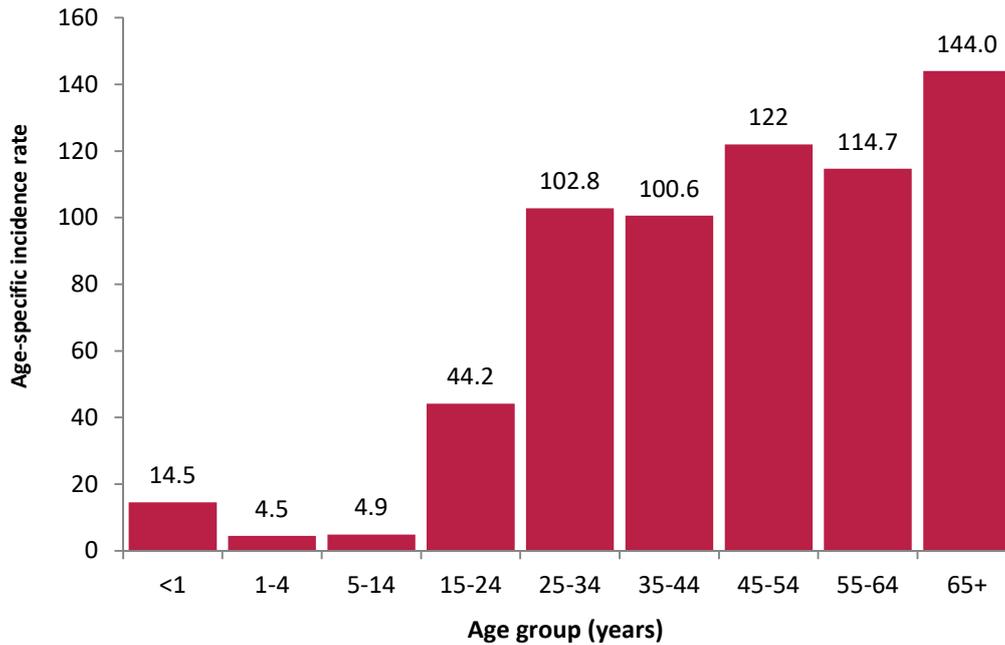
Characteristic	Number of cases	%
<b>Total</b>	4014	100
<b>Sex</b>		
Female	2080	51.8
Male	1909	47.6
Unknown	25	0.6
<b>Age group (years)</b>		
<1	9	0.2
1-4	12	0.3
5-14	33	0.8
15-24	255	6.4
25-34	678	16.9
35-44	751	18.7
45-54	764	19.0
55-64	584	14.5
65+	918	22.9
Unknown	10	0.3
<b>HSE area</b>		
HSE East	2499	62.3
HSE Midlands	193	4.8
HSE Mid-West	248	6.2
HSE North-East	235	5.9
HSE North-West	120	3.0
HSE South-East	150	3.7
HSE South	388	9.7
HSE West	181	4.5

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

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

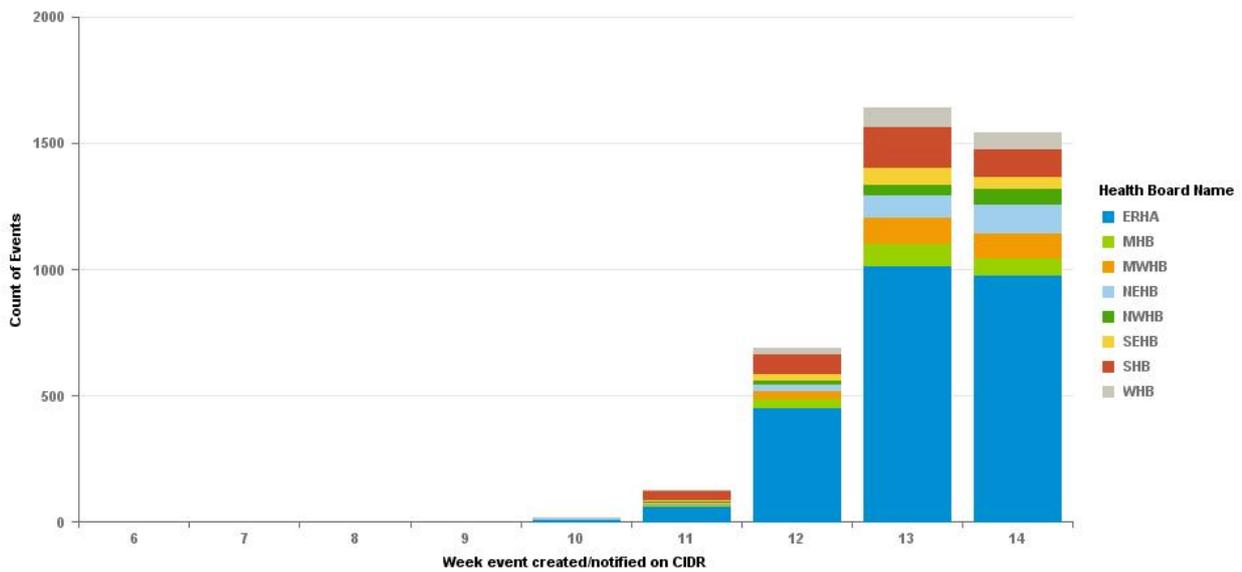
Country of infection	Number of cases	%
Algeria	1	0.0
Andorra	4	0.1
Argentina	1	0
Austria	52	1.3
Brazil	1	0.0
Bulgaria	3	0.1
Czech Republic	1	0.0
Ecuador	1	0.0
Finland	1	0.0
France	24	0.6
Germany	2	0.0
Hungary	1	0.0
Indonesia	1	0.0
Ireland	2450	61.0
Italy	61	1.5
Netherlands	5	0.1
Philippines	3	0.1
Poland	1	0.0
Portugal	2	0.0
Singapore	2	0.0
Spain	35	0.9
Sri Lanka	1	0.0
Sweden	1	0.0
Switzerland	7	0.2
Thailand	1	0.0
United kingdom	89	2.2
United states	14	0.3
Unknown	1248	31.1
<b>Total</b>	<b>4014</b>	<b>100</b>

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



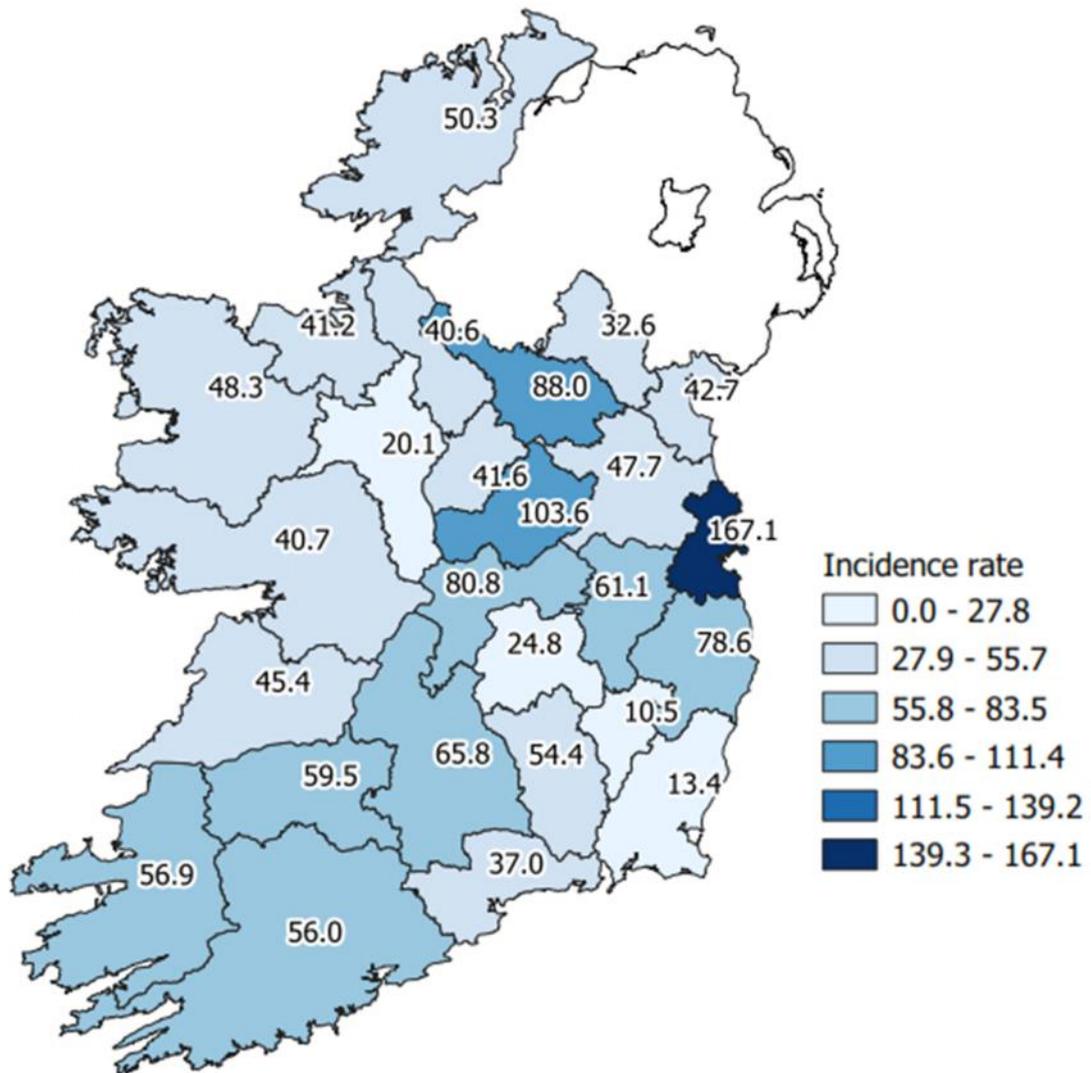
**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 2<sup>nd</sup> 2020, Ireland**

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



**Figure 3: Confirmed cases of COVID-19 notified to midnight April 2<sup>nd</sup> 2020, by HSE Area and week of notification**

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



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 2<sup>nd</sup> 2020 by county, Ireland

Data source: CIDR as of 04/04/2020 11:10, 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 April 2<sup>nd</sup> 2020 by County**

County Name	Number of cases	%
Carlow	6	0.1
Cavan	67	1.7
Clare	54	1.3
Cork	304	7.6
Donegal	80	2.0
Dublin	2251	56.1
Galway	105	2.6
Kerry	84	2.1
Kildare	136	3.4
Kilkenny	54	1.3
Laois	21	0.5
Leitrim	13	0.3
Limerick	116	2.9
Longford	17	0.4
Louth	55	1.4
Mayo	63	1.6
Meath	93	2.3
Monaghan	20	0.5
Offaly	63	1.6
Roscommon	13	0.3
Sligo	27	0.7
Tipperary	105	2.6
Waterford	43	1.1
Westmeath	92	2.3
Wexford	20	0.5
Wicklow	112	2.8
<b>Total</b>	<b>3655</b>	<b>100</b>

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

**Table 4: Number of confirmed COVID-19 cases notified to midnight April 2<sup>nd</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	947	23.6
Possible community transmission	793	19.3
Local transmission	657	16.4
Possible local transmission	29	0.7
Travel abroad	311	7.7
Possible travel abroad	84	2.1
Unknown	1193	29.7
<b>Total</b>	<b>3655</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 04/04/2020 11:10

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight April 2<sup>nd</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	21	6	0.5	0	0.0	0	0
5 - 14	33	4	0.4	1	0.6	0	0
15-24	255	34	3.0	1	0.6	0	0
25-34	678	83	7.5	7	4.4	2	1.5
35-44	751	101	9.0	9	5.7	1	0.8
45-54	764	174	15.6	36	22.8	3	2.3
55-64	584	174	15.6	38	24.1	7	5.3
65+	918	540	48.3	66	41.8	118	90.1
Unknown	10	2	0.2	0	0	0	0
<b>Total</b>	<b>4014</b>	<b>1118</b>	<b>100.0</b>	<b>158</b>	<b>100</b>	<b>131</b>	<b>100</b>

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

Of the 4,014 laboratory confirmed cases of COVID-19, 131 had died, giving a case fatality rate of 3.3. Fourteen percent of hospitalized cases were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight April 2<sup>nd</sup> 2020 in healthcare workers by HSE-area and travel status**

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	31	570	38	639
HSE Midlands	2	37	10	49
HSE Mid-West	11	58	0	69
HSE North-East	2	28	4	34
HSE North-West	5	19	1	25
HSE South-East	3	4	48	55
HSE South	15	84	38	137
HSE West	2	63	11	76
<b>Total</b>	<b>71</b>	<b>863</b>	<b>150</b>	<b>1084</b>

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

Of the 1,084 cases who were healthcare workers, 80% 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 2<sup>nd</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	39	2	3		1		1	4	50	24.3
Hospital	21	2		3	1	2	5	3	37	18.0
Private house	2	1		3	3	5	3	15	32	15.5
Travel related		3	4	4	2	1	5	2	21	10.2
Residential institution	11			1	1		3	2	18	8.7
Other	3		2	10		1	1	1	18	8.7
Comm. Hosp/Long-stay unit	3	2			1	1	1	3	11	5.3
Extended family	2		1		2	3	1		9	4.4
Workplace	1					1	1	1	4	1.9
Community outbreak		2	1						3	1.5
Public house		1					1		2	1.0
Hotel							1		1	0.5
Total	82	13	11	21	11	14	23	31	206	100.0

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

## 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.