



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 16/04/2020 for NPHE

**Note: Data are provisional**

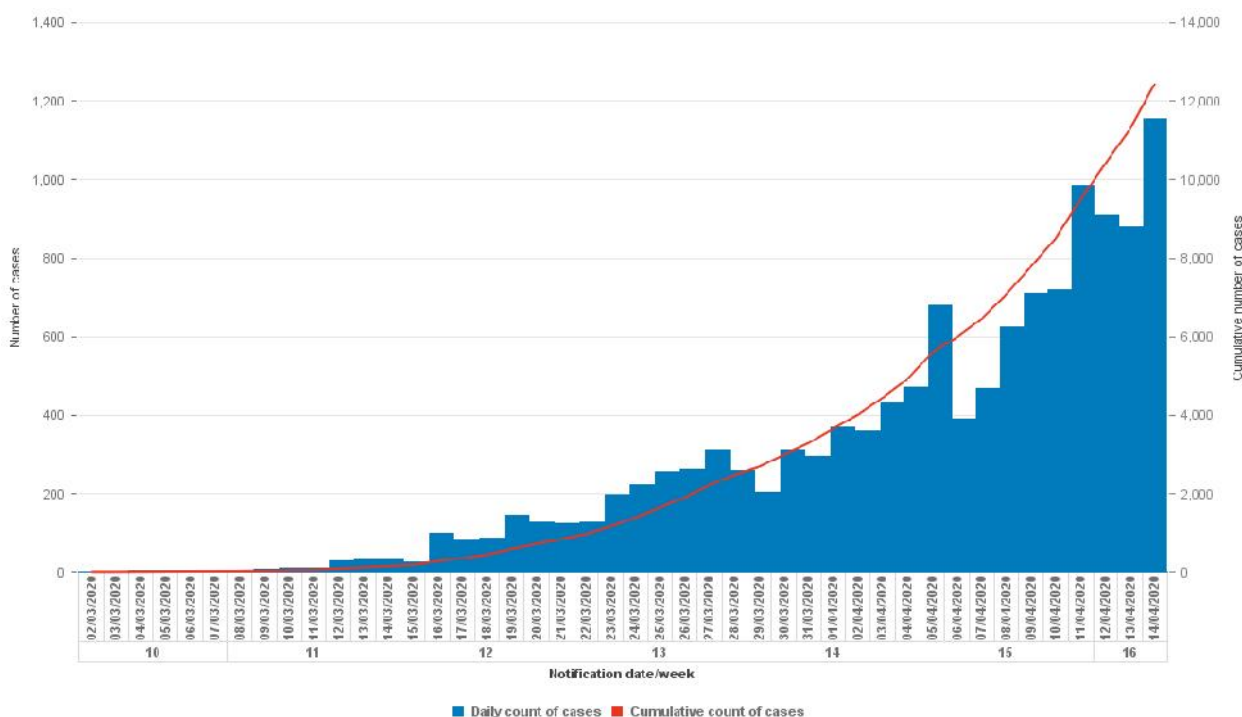
## Summary

This report includes data as of 16<sup>th</sup> April 2020 at 9:30 am for events created on CIDR up to midnight Tuesday 14<sup>th</sup> April 2020.

Characteristic	Number	%
Total number of confirmed cases	12,425	
Number of new cases since previous day	1,164	9.4
Total number hospitalised	2,026	16.3
Total number admitted to ICU	284	2.3
Total number of deaths	480	3.9
Total number of outbreaks/clusters	425	-
Total number cases associated with clusters	2,451	19.7
Total number of imported cases	347	2.8
Number of cases in Healthcare workers	3,090	24.9
Median age (years)	48	-
Age range (years)	0 - 106	-

## Confirmed cases

In total, 12,425 confirmed cases of COVID-19 were notified in Ireland **before midnight April 14<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 14<sup>th</sup> 2020**

Data source: CIDR as of 16/04/2020 9:30

## Outbreaks/Clusters

There were 425 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 14<sup>th</sup> 2020**.

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 14<sup>th</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	12,425	100
<b>Sex</b>		
Female	6778	54.6
Male	5536	44.6
Unknown	111	0.9
<b>Age group (years)</b>		
<1	28	0.2
1-4	44	0.4
5-14	124	1.0
15-24	809	6.5
25-34	2145	17.3
35-44	2315	18.6
45-54	2395	19.3
55-64	1806	14.5
65+	2739	22.0
Unknown	20	0.2
<b>HSE area</b>		
HSE East	7279	58.6
HSE Midlands	682	5.5
HSE Mid-West	598	4.8
HSE North-East	1226	9.9
HSE North-West	429	3.5
HSE South-East	483	3.9
HSE South	1162	9.4
HSE West	566	4.6

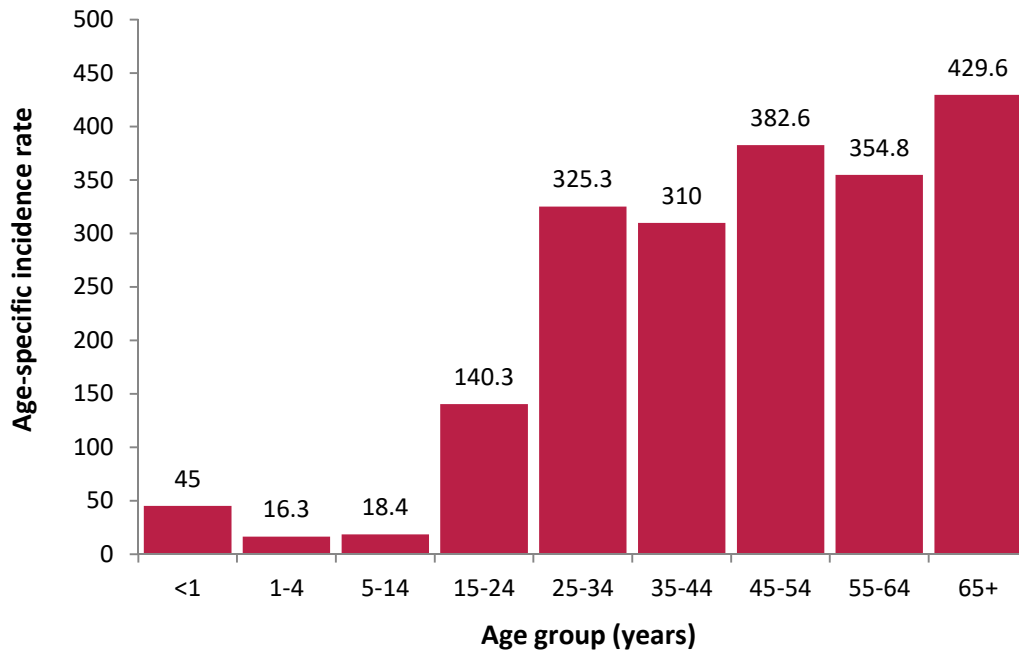
Data source: CIDR as of 16/04/2020 9:30

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 14<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	8325	67
Other than Ireland	347	2.8
Unknown	3753	30.2
<b>Total</b>	<b>12425</b>	<b>100</b>

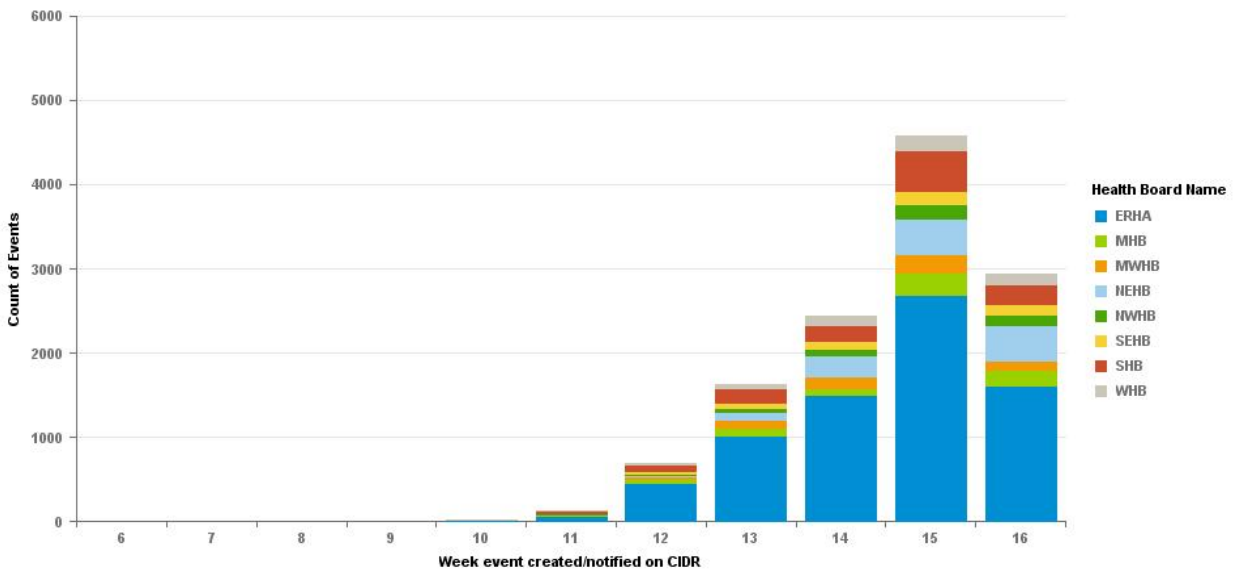
Data source: CIDR as of 16/04/2020 9:30

**Note: Data are provisional**



**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 14<sup>th</sup> 2020, Ireland**

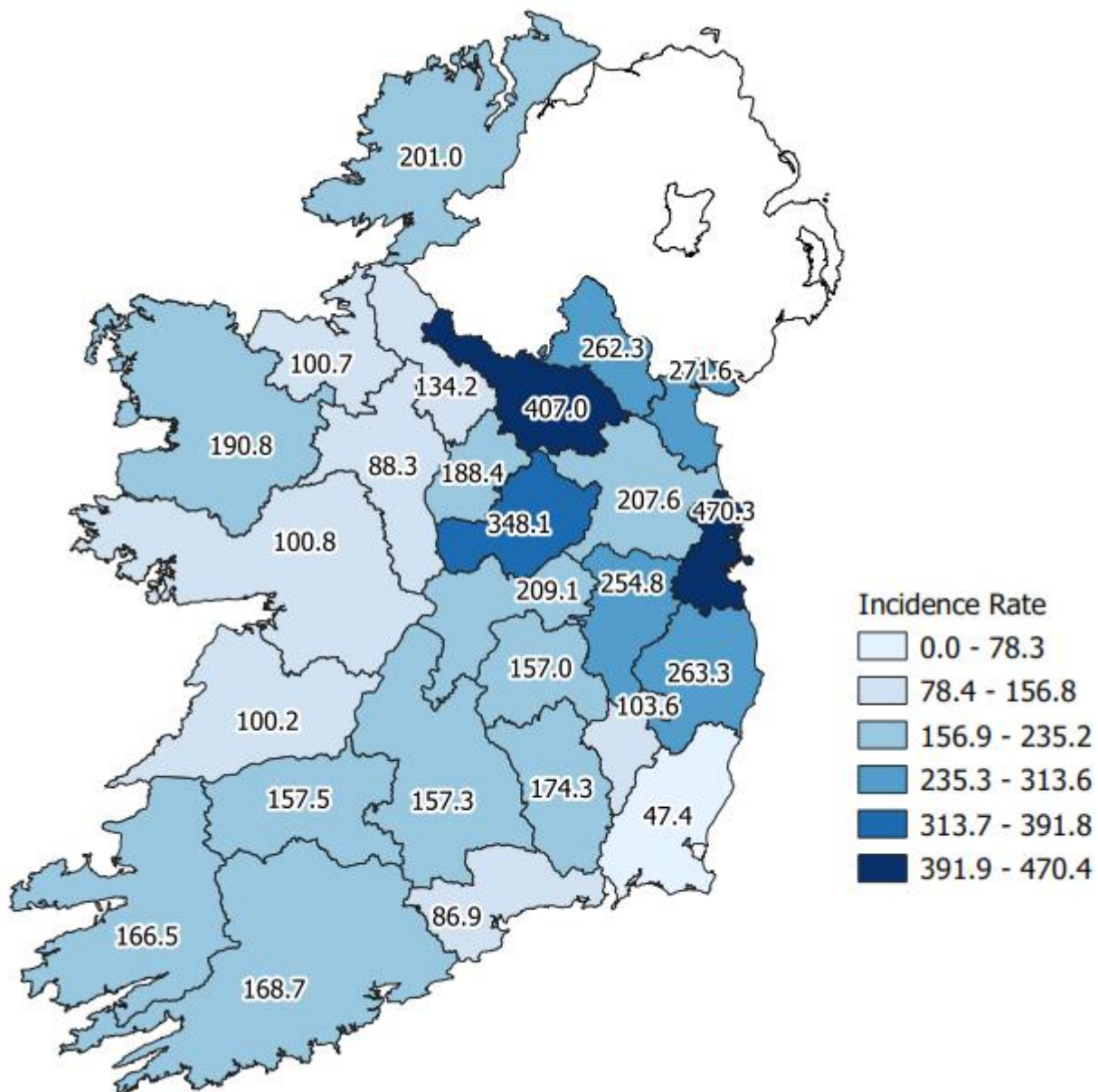
Data source: CIDR as of 16/04/2020 9:30, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight April 15<sup>th</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 16/04/2020 9:30

**Note: Data are provisional**



**Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 14<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 16/04/2020 9:30, 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 14<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	59	0.5
Cavan	310	2.5
Clare	119	1.0
Cork	916	7.4
Donegal	320	2.6
Dublin	6337	51.0
Galway	260	2.1
Kerry	246	2.0
Kildare	567	4.6
Kilkenny	173	1.4
Laois	133	1.1
Leitrim	43	0.3
Limerick	307	2.5
Longford	77	0.6
Louth	350	2.8
Mayo	249	2.0
Meath	405	3.3
Monaghan	161	1.3
Offaly	163	1.3
Roscommon	57	0.5
Sligo	66	0.5
Tipperary	251	2.0
Waterford	101	0.8
Westmeath	309	2.5
Wexford	71	0.6
Wicklow	375	3.0
<b>Total</b>	<b>12425</b>	<b>100</b>

Data source: CIDR as of 16/04/2020 9:30

**Table 4: Number of confirmed COVID-19 cases notified to midnight April 14<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	2090	16.8
Possible community transmission	2399	19.3
Local transmission	3622	29.2
Possible local transmission	134	1.1
Travel abroad	144	1.2
Possible travel abroad	336	2.7
Unknown	3700	29.8
<b>Total</b>	<b>12425</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 16/04/2020 9:30

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight April 14<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)	Cases that died (%)
<5	72	13	0.6	0	0.0	0	0.0
5 - 14	124	4	0.2	1	0.4	0	0.0
15-24	809	43	2.1	3	1.1	0	0.0
25-34	2145	132	6.5	10	3.5	3	0.6
35-44	2315	164	8.1	19	6.7	8	1.7
45-54	2395	298	14.7	65	22.9	12	2.5
55-64	1806	308	15.2	79	27.8	24	5.0
65+	2739	1062	52.4	107	37.7	433	90.2
Unknown	20	2	0.1	0	0.0	0	0.0
<b>Total</b>	<b>12425</b>	<b>2026</b>	<b>100</b>	<b>284</b>	<b>100</b>	<b>480</b>	<b>100</b>

Data source: CIDR as of 16/04/2020 9:30

Of the 12,425 laboratory confirmed cases of COVID-19, 480 had died, giving a case fatality rate of 3.9%. Of the patients who were hospitalised, 14% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight April 13<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	72	1732	102	1906
HSE Midlands	6	128	56	190
HSE Mid-West	13	67	80	160
HSE North-East	3	17	183	203
HSE North-West	8	53	55	116
HSE South-East	5	3	132	140
HSE South	21	104	79	204
HSE West	7	84	80	171
<b>Total</b>	<b>135</b>	<b>2188</b>	<b>767</b>	<b>3090</b>

Data source: CIDR as of 16/04/2020 9:30

Of the 3,090 cases who were healthcare workers, 71% 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 14<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	80	8	5	27	3	2	3	30	158	37.2
Hospital	36	2	1	11	1	2	7	3	63	14.8
Residential institution	36	9	2	4	1	1	7	3	63	14.8
Private house	2	3		8	5	8	8	17	51	12
Comm. Hosp/Long-stay unit	4	8			2	1	5	3	23	5.4
Travel related		3	4	4	2	1	5	2	21	4.9
Workplace	2	1	1			3	5	1	13	3.1
Extended family	2		1		2	3	2	1	11	2.6
Community outbreak	3	1	1	1					6	1.4
Public house		2					1		3	0.7
Hotel	1						1		2	0.5
Other	2		2	1			2	2	9	2.1
Not Specified	2								2	0.5
<b>Total</b>	<b>170</b>	<b>37</b>	<b>17</b>	<b>56</b>	<b>16</b>	<b>21</b>	<b>46</b>	<b>62</b>	<b>425</b>	<b>100</b>

Data source: CIDR as of 16/04/2020 9:30

## 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.