



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 02/05/2020 for NPHE

**Note: Data are provisional**

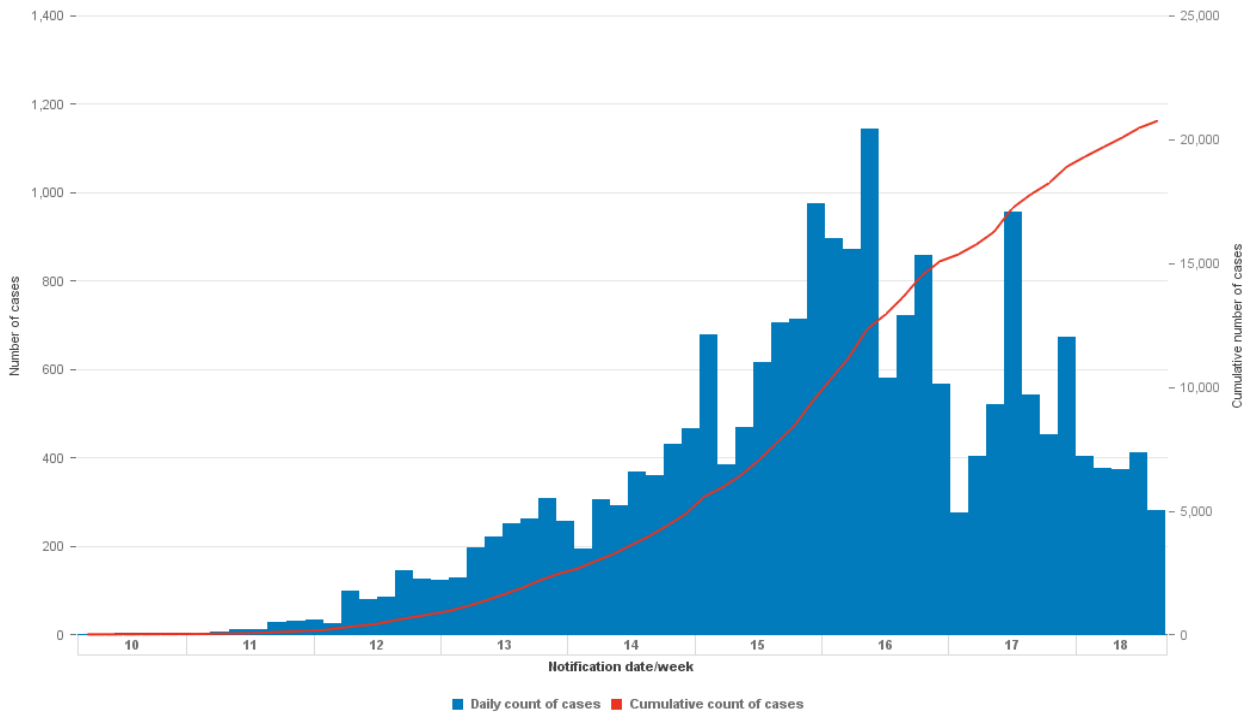
## Summary

This report includes data as of 02<sup>nd</sup> May 2020 at 9:50 am for events created on CIDR up to midnight Thursday 30<sup>th</sup> April 2020.

Characteristic	Number	%
Total number of confirmed cases	20,742	
Number of new cases since previous day	232	1.1
Total number hospitalised	2,785	13.4
Total number admitted to ICU	368	1.8
Total number of deaths	1,050	5.1
Total number of outbreaks/clusters	676	-
Total number cases associated with clusters	6,866	33.1
Total number of imported cases	361	1.7
Number of cases in Healthcare workers	5,973	28.8
Median age (years)	49	-
Age range (years)	0-106	-

## Confirmed cases

In total, 20,742 confirmed cases of COVID-19 were notified in Ireland **before midnight April 30<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 30<sup>th</sup> 2020**

Data source: CIDR as of 02/05/2020 9:50

## Outbreaks/Clusters

There were 676 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 30<sup>th</sup> 2020**.

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

Characteristic	Number of cases	%
<b>Total</b>	20,742	100
<b>Sex</b>		
Female	11979	57.8
Male	8695	41.9
Unknown	68	0.3
<b>Age group (years)</b>		
<1	35	0.2
1-4	66	0.3
5-14	206	1.0
15-24	1383	6.7
25-34	3314	16.0
35-44	3532	17.0
45-54	3803	18.3
55-64	2736	13.2
65+	5642	27.2
Unknown	25	0.1
<b>HSE area</b>		
HSE East	12107	58.4
HSE Midlands	1173	5.7
HSE Mid-West	1171	5.6
HSE North-East	2412	11.6
HSE North-West	646	3.1
HSE South-East	778	3.8
HSE South	1450	7.0
HSE West	1005	4.8

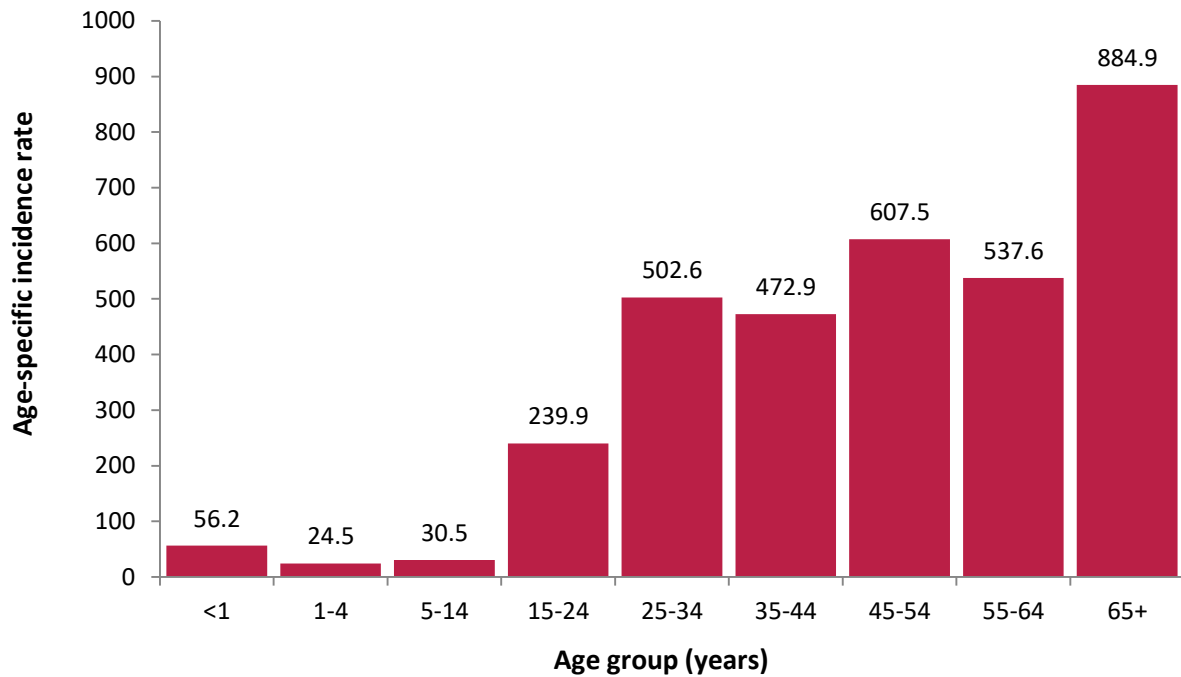
Data source: CIDR as of 02/05/2020 9:50

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

Country of infection	Number of cases	% of cases
Ireland	15,972	77
Other than Ireland	361	1.7
Unknown	4409	21.3
<b>Total</b>	<b>20,742</b>	<b>100</b>

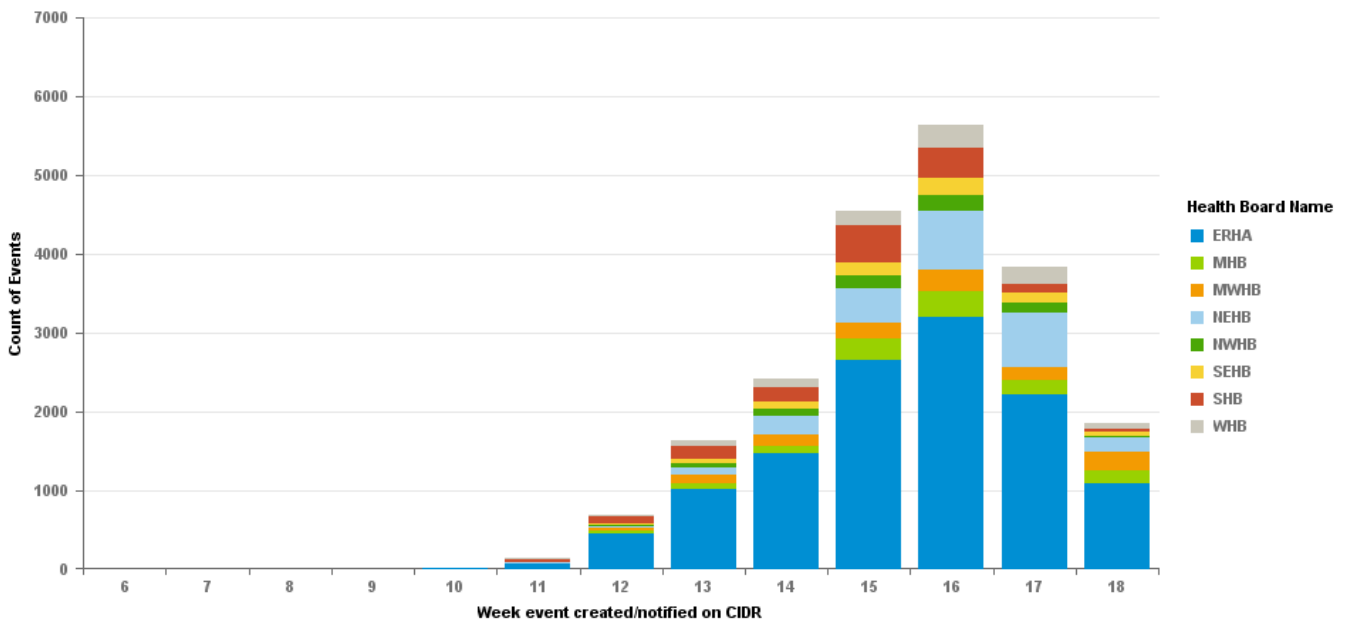
Data source: CIDR as of 02/05/2020 9:50

**Note: Data are provisional**



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

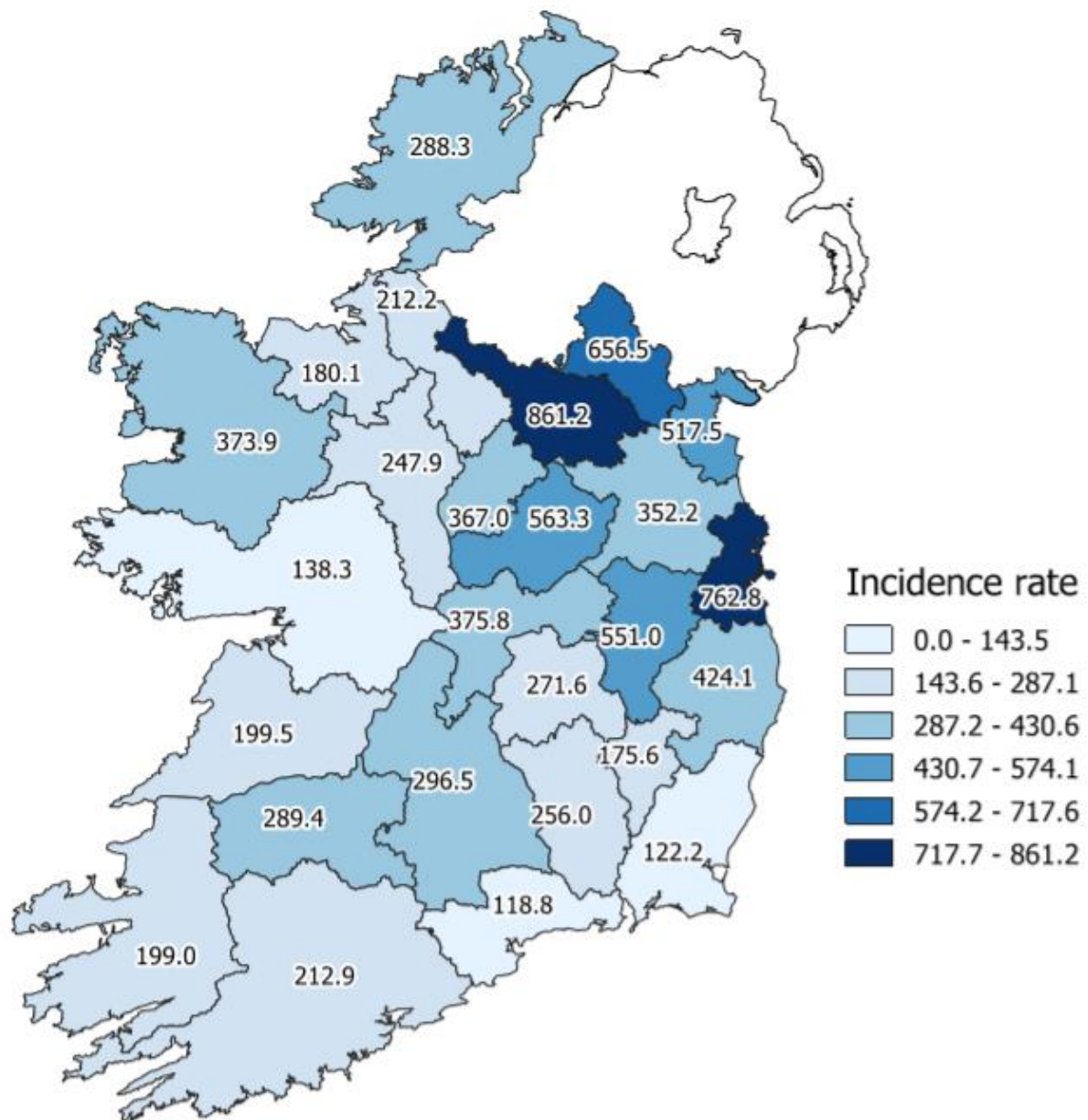
Data source: CIDR as of 02/05/2020 9:50, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



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

Data source: CIDR as of 02/05/2020 9:50

Note: Data are provisional



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 30<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 02/05/2020 9:50, 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 30<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	100	0.5
Cavan	656	3.2
Clare	237	1.1
Cork	1156	5.6
Donegal	459	2.2
Dublin	10277	49.5
Galway	357	1.7
Kerry	294	1.4
Kildare	1226	5.9
Kilkenny	254	1.2
Laois	230	1.1
Leitrim	68	0.3
Limerick	564	2.7
Longford	150	0.7
Louth	667	3.2
Mayo	488	2.4
Meath	687	3.3
Monaghan	403	1.9
Offaly	293	1.4
Roscommon	160	0.8
Sligo	118	0.6
Tipperary	473	2.3
Waterford	138	0.7
Westmeath	500	2.4
Wexford	183	0.9
Wicklow	604	2.9
<b>Total</b>	<b>20742</b>	<b>100</b>

Data source: CIDR as of 02/05/2020 9:50

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

Transmission classification*	Number of cases	%
Community transmission	2,510	12.1
Possible community transmission	7,797	37.6
Local transmission	5,022	24.2
Possible local transmission	485	2.3
Travel abroad	348	1.7
Possible travel abroad	180	0.9
Unknown	4,400	21.2
<b>Total</b>	<b>20,742</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 02/05/2020 9:50

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight April 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)	Cases that died (%)
<5	101	16	0.6	0	0.0	0	0.0
5 - 14	206	8	0.3	1	0.3	0	0.0
15-24	1383	56	2.0	5	1.4	2	0.2
25-34	3314	173	6.2	14	3.8	4	0.4
35-44	3532	232	8.3	31	8.4	9	0.9
45-54	3803	373	13.4	79	21.5	20	1.9
55-64	2736	415	14.9	103	28.0	46	4.4
65+	5642	1509	54.2	135	36.7	969	92.3
Unknown	25	3	0.1	0	0.0	0	0.0
<b>Total</b>	<b>20742</b>	<b>2785</b>	<b>100</b>	<b>368</b>	<b>100</b>	<b>1050</b>	<b>100</b>

Data source: CIDR as of 02/05/2020 9:50

Of the 20,742 laboratory confirmed COVID-19 cases, 1050 have died, giving a case fatality rate of 5.1%. Of the patients who were hospitalised, 13% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight April 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	86	3199	198	3483
HSE Midlands	11	246	110	367
HSE Mid-West	16	89	184	289
HSE North-East	6	41	755	802
HSE North-West	8	115	108	231
HSE South-East	5	3	223	231
HSE South	20	108	210	338
HSE West	7	82	143	232
<b>Total</b>	<b>159</b>	<b>3883</b>	<b>1931</b>	<b>5973</b>

Data source: CIDR as of 02/05/2020 9:50

**Note: Data are provisional**

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

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	100	15	11	38	5	11	8	32	220	32.5
Residential institution	72	13	2	11	5	7	14	5	129	19.1
Private house	2	6	9	9	5	8	54	21	114	16.9
Hospital	48	2	2	12	2	3	11	6	86	12.7
Comm. Hosp/Long-stay unit	5	4			4	4	8	2	27	4
Workplace	7	6	4	3	1	4	6	2	33	4.9
Travel related		3	5	4	2	1	5	2	22	3.3
Extended family	2		4		2	3	3	1	15	2.2
Other	3		2	2		1	4		12	1.8
Community outbreak	4	1	1	1			1	3	11	1.6
Public house		2	1				1		4	0.6
Hotel							1		1	0.1
Not Specified	1						1		2	0.3
<b>Total</b>	<b>244</b>	<b>52</b>	<b>41</b>	<b>80</b>	<b>26</b>	<b>42</b>	<b>117</b>	<b>74</b>	<b>676</b>	<b>100</b>

Data source: CIDR as of 02/05/2020 09:50

## 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.