



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 03/05/2020 for NPHE

**Note: Data are provisional**

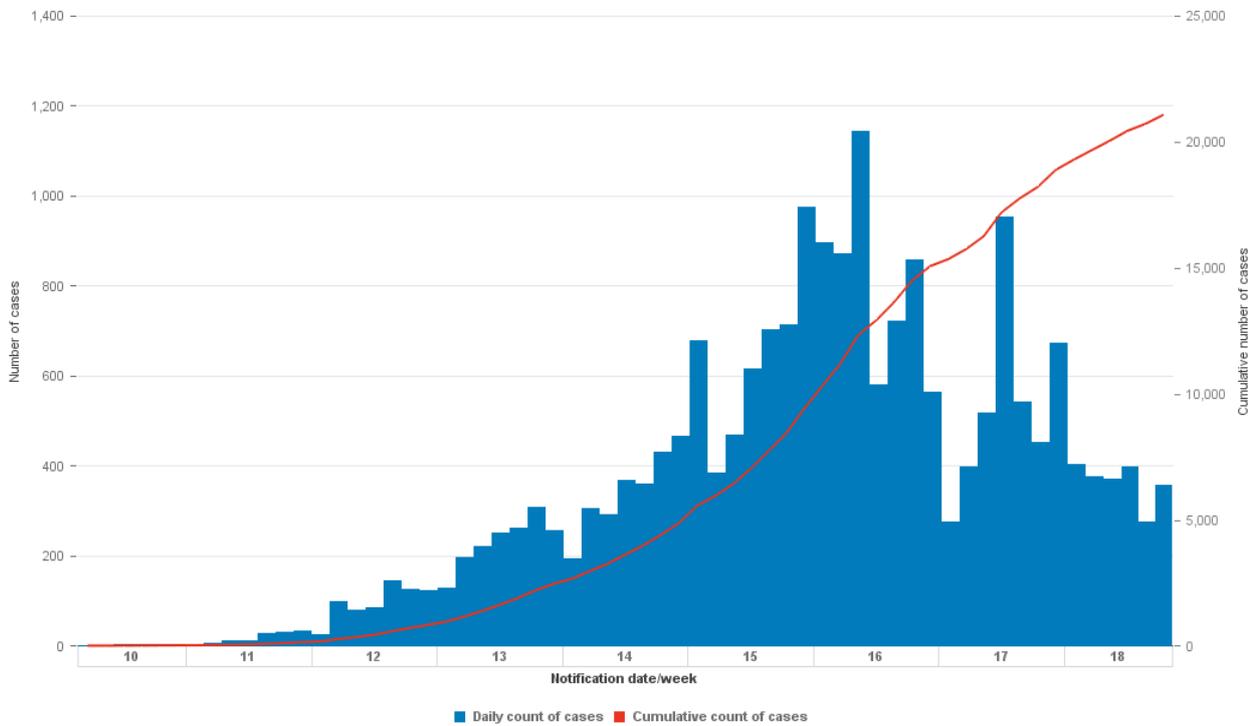
## Summary

This report includes data as of 3<sup>rd</sup> May 2020 at 9:25 am for events created on CIDR up to midnight Friday 1<sup>st</sup> May 2020.

Characteristic	Number	%
Total number of confirmed cases	21,064	
Number of new cases since previous day	359	1.7
Total number hospitalised	2,825	13.4
Total number admitted to ICU	363	1.7
Total number of deaths	1,074	5.1
Total number of outbreaks/clusters	694	-
Total number cases associated with clusters	6,966	33.1
Total number of imported cases	363	1.7
Number of cases in Healthcare workers	6,068	28.8
Median age (years)	49	-
Age range (years)	0-106	-

## Confirmed cases

In total, 21,064 confirmed cases of COVID-19 were notified in Ireland **before midnight May 1<sup>st</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 May 1<sup>st</sup> 2020**

Data source: CIDR as of 03/05/2020 9:25

## Outbreaks/Clusters

There were 694 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 1<sup>st</sup> 2020**.

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

Characteristic	Number of cases	%
<b>Total</b>	21,064	100
<b>Sex</b>		
Female	12166	57.8
Male	8841	42.0
Unknown	57	0.3
<b>Age group (years)</b>		
<1	38	0.2
1-4	69	0.3
5-14	215	1.0
15-24	1417	6.7
25-34	3373	16.0
35-44	3588	17.0
45-54	3858	18.3
55-64	2772	13.2
65+	5711	27.1
Unknown	23	0.1
<b>HSE area</b>		
HSE East	12266	58.2
HSE Midlands	1201	5.7
HSE Mid-West	1195	5.7
HSE North-East	2453	11.6
HSE North-West	646	3.1
HSE South-East	811	3.9
HSE South	1459	6.9
HSE West	1033	4.9

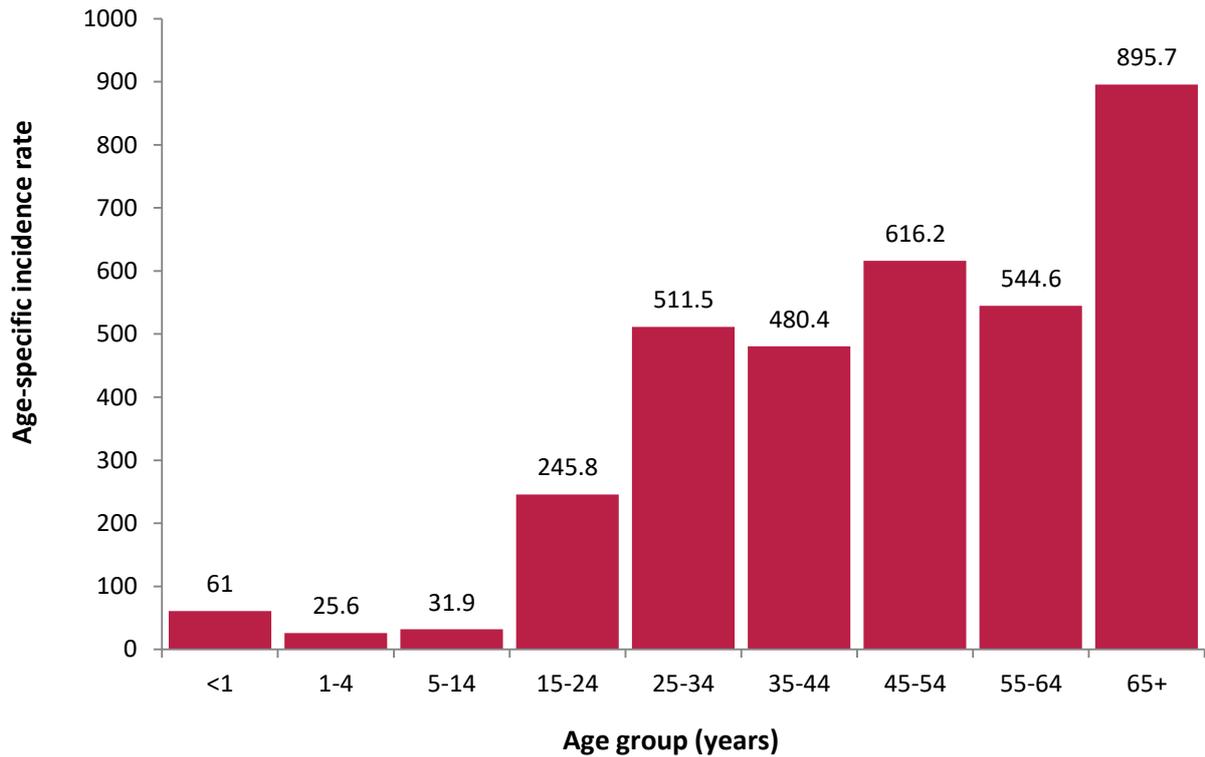
Data source: CIDR as of 03/05/2020 9:25

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 1<sup>st</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	16,196	76.9
Other than Ireland	363	1.7
Unknown	4505	21.4
<b>Total</b>	<b>21,064</b>	<b>100</b>

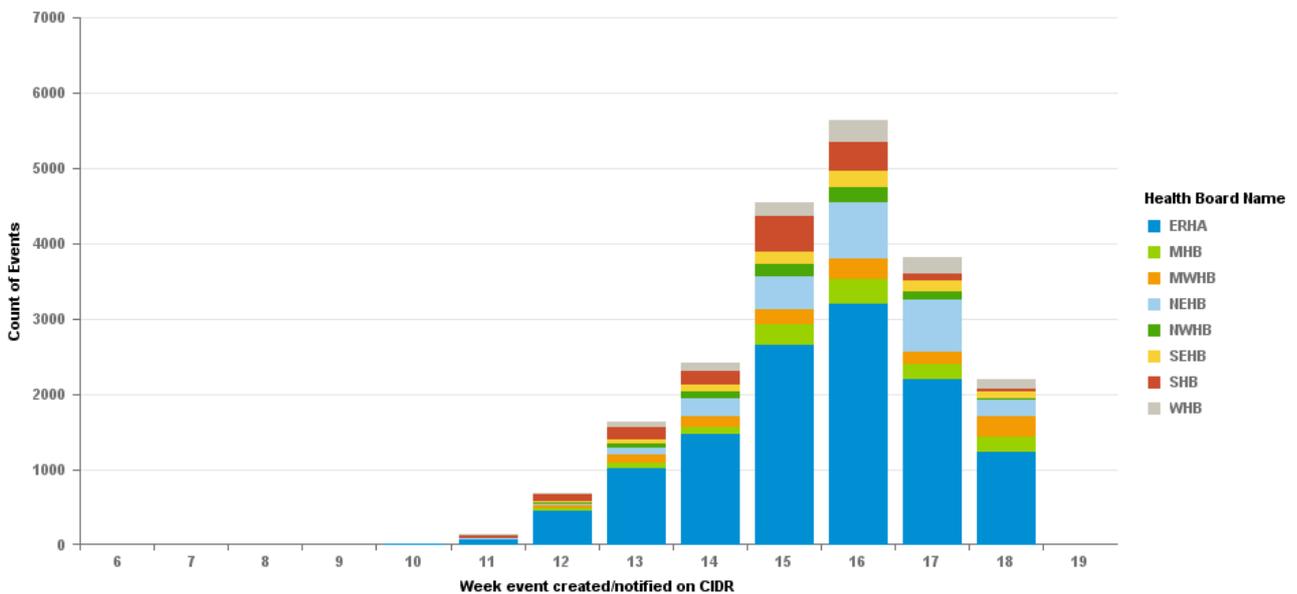
Data source: CIDR as of 03/05/2020 9:25

**Note: Data are provisional**



**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 1<sup>st</sup> 2020, Ireland**

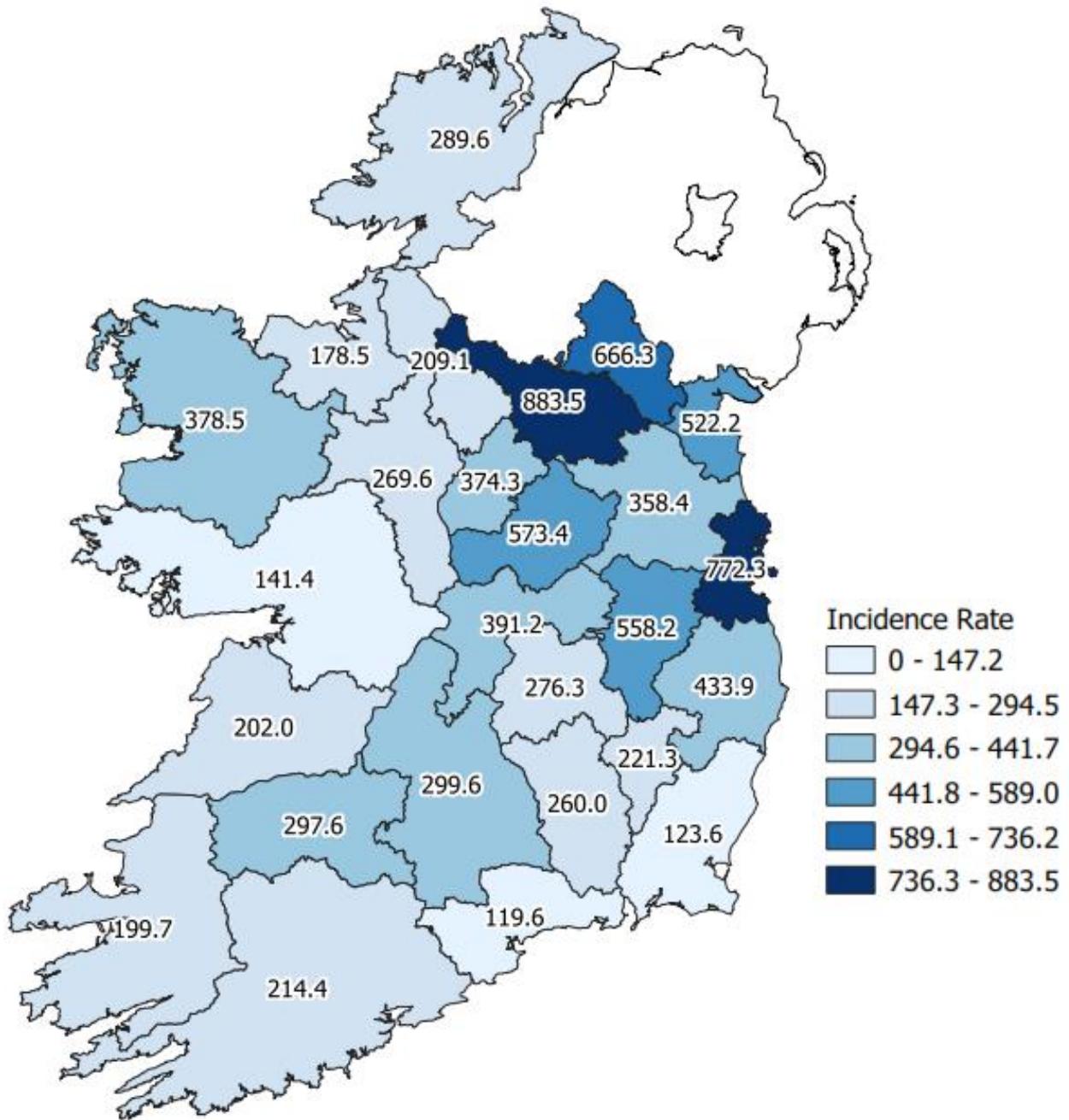
Data source: CIDR as of 03/05/2020 9:25, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight May 1<sup>st</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 03/05/2020 9:25

**Note: Data are provisional**



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 1<sup>st</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 03/05/2020 9:25, 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 May 1<sup>st</sup> 2020 by county**

County Name	Number of cases	%
Carlow	126	0.6
Cavan	673	3.2
Clare	240	1.1
Cork	1,164	5.5
Donegal	461	2.2
Dublin	10,406	49.4
Galway	365	1.7
Kerry	295	1.4
Kildare	1,242	5.9
Kilkenny	258	1.2
Laois	234	1.1
Leitrim	67	0.3
Limerick	580	2.8
Longford	153	0.7
Louth	673	3.2
Mayo	494	2.3
Meath	699	3.3
Monaghan	409	1.9
Offaly	305	1.4
Roscommon	174	0.8
Sligo	117	0.6
Tipperary	478	2.3
Waterford	139	0.7
Westmeath	509	2.4
Wexford	185	0.9
Wicklow	618	2.9
<b>Total</b>	<b>21,064</b>	<b>100</b>

Data source: CIDR as of 03/05/2020 9:25

**Table 4: Number of confirmed COVID-19 cases notified to midnight May 1<sup>st</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	2,513	11.9
Possible community transmission	7,917	37.6
Local transmission	5,116	24.3
Possible local transmission	499	2.4
Travel abroad	350	1.7
Possible travel abroad	180	0.9
Unknown	4,489	21.3
<b>Total</b>	<b>21,064</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 03/05/2020 9:25

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight May 1<sup>st</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	107	18	0.6	0	0.0	0	0.0
5 - 14	215	11	0.4	1	0.3	0	0.0
15-24	1417	58	2.1	5	1.4	2	0.2
25-34	3373	174	6.2	14	3.9	4	0.4
35-44	3588	235	8.3	30	8.3	9	0.8
45-54	3858	381	13.5	78	21.5	20	1.9
55-64	2772	422	14.9	103	28.4	47	4.4
65+	5711	1524	53.9	132	36.4	992	92.4
Unknown	23	2	0.1	0	0.0	0	0.0
<b>Total</b>	<b>21064</b>	<b>2825</b>	<b>100</b>	<b>363</b>	<b>100</b>	<b>1074</b>	<b>100</b>

Data source: CIDR as of 03/05/2020 9:25

Of the 21,064 laboratory confirmed COVID-19 cases, 1,074 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 May 1<sup>st</sup> 2020 in healthcare workers by HSE-area and travel status**

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	86	3263	205	3554
HSE Midlands	11	248	109	368
HSE Mid-West	16	91	182	289
HSE North-East	8	53	750	811
HSE North-West	8	114	110	232
HSE South-East	5	3	228	236
HSE South	20	108	210	338
HSE West	7	82	151	240
<b>Total</b>	<b>161</b>	<b>3962</b>	<b>1945</b>	<b>6068</b>

Data source: CIDR as of 03/05/2020 9:25

**Note: Data are provisional**

**Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 1<sup>st</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	13	8	32	222	32
Residential institution	72	13	2	11	5	9	14	4	130	18.7
Private house	3	6	9	9	5	8	64	21	125	18
Hospital	50	2	2	12	2	3	11	5	87	12.5
Workplace	7	6	5	3	1	4	6	2	34	4.9
Comm. Hosp/Long-stay unit	5	4			4	4	8	4	29	4.2
Travel related		3	5	4	2	1	5	2	22	3.2
Extended family	2		4		2	3	3	1	15	2.2
Community outbreak	4	1	1	1			1	3	11	1.6
Public house		2	1				1		4	0.6
Hotel							1		1	0.1
Other	3		2	2		1	4		12	1.7
Not Specified	1						1		2	0.3
<b>Total</b>	<b>247</b>	<b>52</b>	<b>42</b>	<b>80</b>	<b>26</b>	<b>46</b>	<b>127</b>	<b>74</b>	<b>694</b>	<b>100</b>

Data source: CIDR as of 03/05/2020 09:25

## 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.