



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 29/04/2020 for NPHE

**Note: Data are provisional**

## Summary

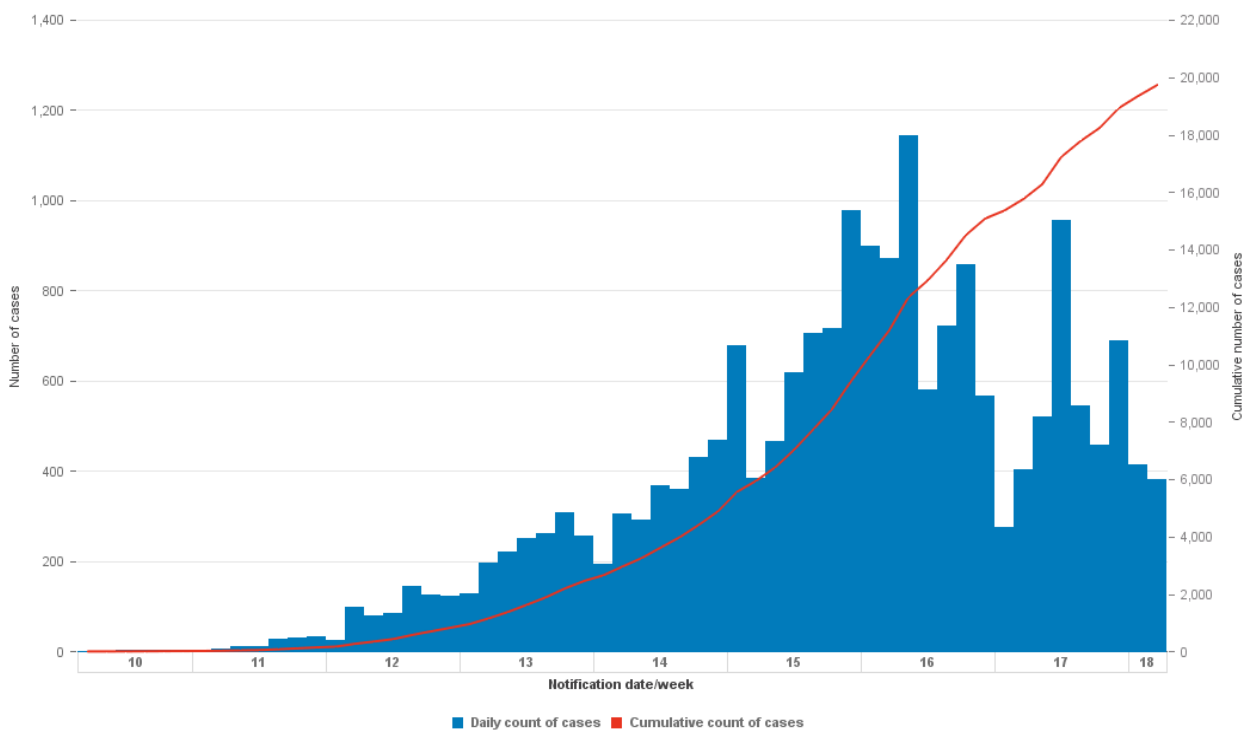
This report includes data as of 29<sup>th</sup> April 2020 at 9:30 am for events created on CIDR up to midnight Monday 27<sup>th</sup> April 2020.

Characteristic	Number	%
Total number of confirmed cases	19,723	
Number of new cases since previous day	340	1.7
Total number hospitalised	2,669	13.5
Total number admitted to ICU	355*	1.8
Total number of deaths	962	4.9
Total number of outbreaks/clusters	620	-
Total number cases associated with clusters	5,905	29.9
Total number of imported cases	359	1.8
Number of cases in Healthcare workers	5,568	28.2
Median age (years)	49	-
Age range (years)	0-106	-

\*Please note the number in ICU is lower than in yesterday's report due to ongoing data validation

## Confirmed cases

In total, 19,723 confirmed cases of COVID-19 were notified in Ireland **before midnight April 27<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 27<sup>th</sup> 2020

Data source: CIDR as of 29/04/2020 9:30

## Outbreaks/Clusters

There were 620 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 27<sup>th</sup> 2020**.

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 27<sup>th</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	19,723	100.0
<b>Sex</b>		
Female	11,379	57.7
Male	8,287	42.0
Unknown	57	0.3
<b>Age group (years)</b>		
<1	34	0.2
1-4	64	0.3
5-14	196	1.0
15-24	1,295	6.6
25-34	3,149	16.0
35-44	3,376	17.1
45-54	3,632	18.4
55-64	2,620	13.3
65+	5,334	27.0
Unknown	23	0.1
<b>HSE area</b>		
HSE East	11,477	58.2
HSE Midlands	1,086	5.5
HSE Mid-West	1,052	5.3
HSE North-East	2,334	11.8
HSE North-West	638	3.2
HSE South-East	731	3.7
HSE South	1,428	7.2
HSE West	977	5.0

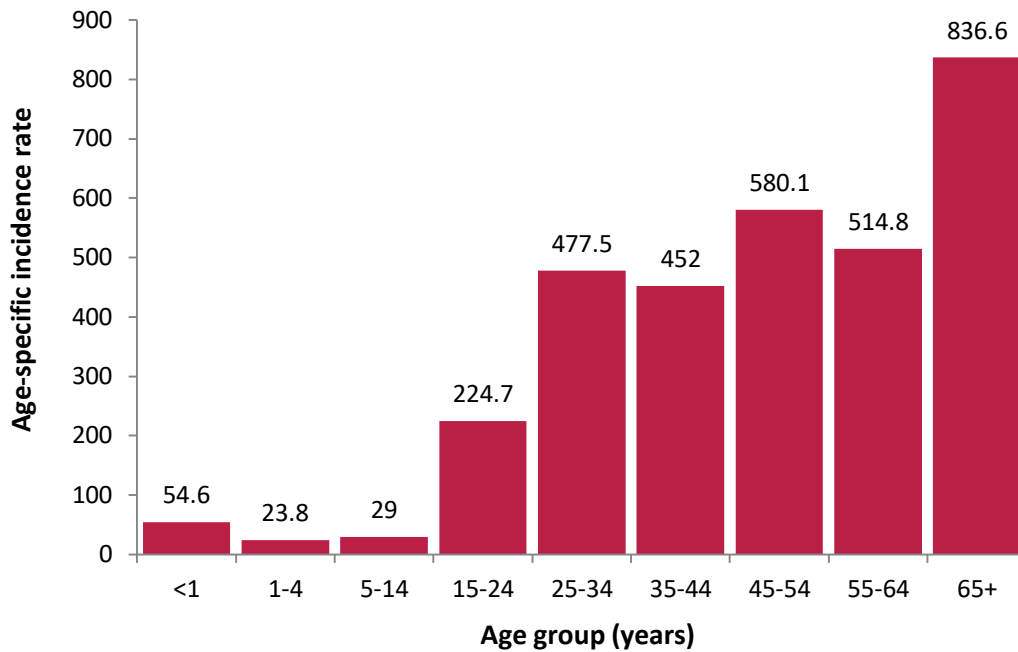
Data source: CIDR as of 29/04/2020 9:30

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 27<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	14,930	75.7
Other than Ireland	359	1.8
Unknown	4,434	22.5
<b>Total</b>	<b>19,723</b>	<b>100.0</b>

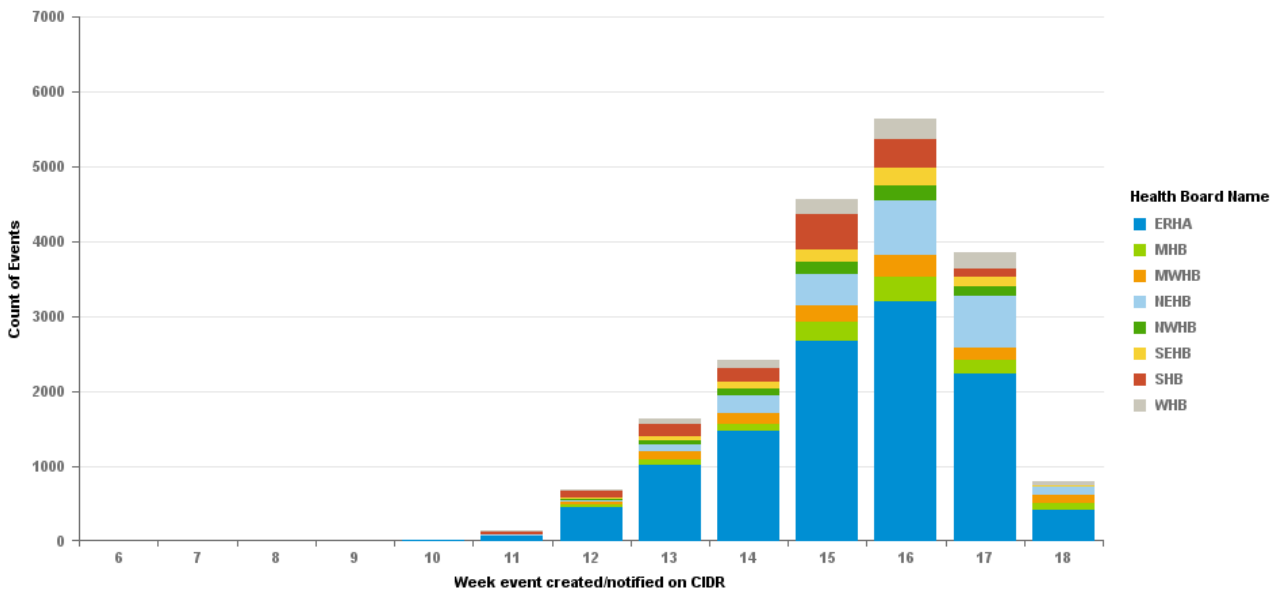
Data source: CIDR as of 29/04/2020 9:30

**Note: Data are provisional**



**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 27<sup>th</sup> 2020, Ireland**

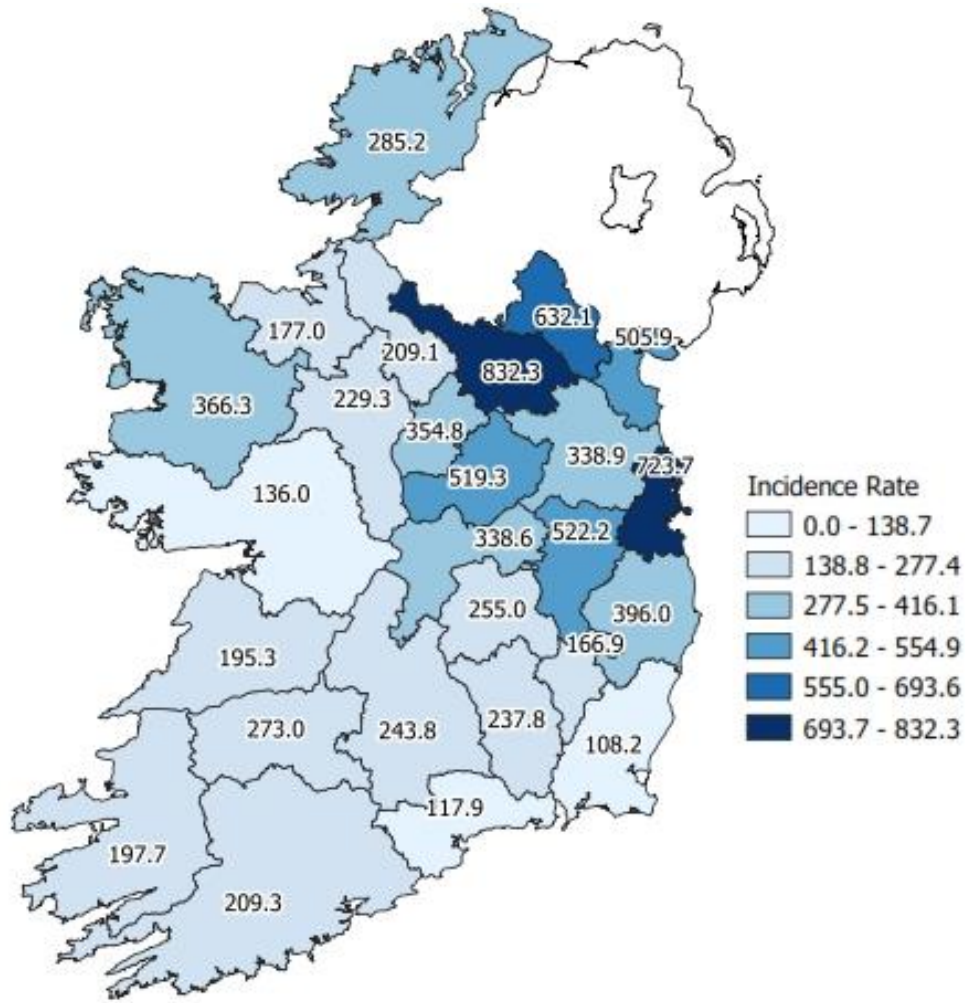
Data source: CIDR as of 29/04/2020 9:30, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight April 27<sup>th</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 29/04/2020 9:20

**Note: Data are provisional**



**Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 27<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 29/04/2020 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 27<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	95	0.5
Cavan	634	3.2
Clare	232	1.2
Cork	1,136	5.8
Donegal	454	2.3
Dublin	9,751	49.4
Galway	351	1.8
Kerry	292	1.5
Kildare	1,162	5.9
Kilkenny	236	1.2
Laois	216	1.1
Leitrim	67	0.3
Limerick	532	2.7
Longford	145	0.7
Louth	652	3.3
Mayo	478	2.4
Meath	661	3.4
Monaghan	388	2.0
Offaly	264	1.3
Roscommon	148	0.8
Sligo	116	0.6
Tipperary	389	2.0
Waterford	137	0.7
Westmeath	461	2.3
Wexford	162	0.8
Wicklow	564	2.9
<b>Total</b>	<b>19,723</b>	<b>100</b>

Data source: CIDR as of 29/04/2020 9:30

**Table 4: Number of confirmed COVID-19 cases notified to midnight April 27<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Possible community transmission	7,159	36.3
Local transmission	4,692	23.8
Community transmission	2,503	12.7
Possible local transmission	440	2.2
Travel abroad	346	1.8
Possible travel abroad	179	0.9
Unknown	4,404	22.3
<b>Total</b>	<b>19,723</b>	<b>100.0</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 29/04/2020 9:30

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight April 27<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	98	15	0.6	0	0.0	0	0.0
5 - 14	196	8	0.3	1	0.3	0	0.0
15-24	1295	55	2.1	6	1.7	2	0.2
25-34	3149	167	6.3	13	3.7	3	0.3
35-44	3376	228	8.5	33	9.3	9	0.9
45-54	3632	356	13.3	73	20.6	19	2.0
55-64	2620	406	15.2	101	28.5	42	4.4
65+	5334	1432	53.7	128	36.1	887	92.2
Unknown	23	2	0.1	0	0.0	0	0.0
<b>Total</b>	<b>19,723</b>	<b>2,669</b>	<b>100.0</b>	<b>355</b>	<b>100.0</b>	<b>962</b>	<b>100.0</b>

Data source: CIDR as of 29/04/2020 9:30

Of the 19,723 laboratory confirmed COVID-19 cases, 962 have died, giving a case fatality rate of 4.9%. Of the patients who were hospitalised, 13% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight April 27<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	2,992	175	3,253
HSE Midlands	11	221	95	327
HSE Mid-West	15	87	176	278
HSE North-East	6	33	671	710
HSE North-West	8	112	105	225
HSE South-East	5	3	209	217
HSE South	20	108	207	335
HSE West	7	81	135	223
<b>Total</b>	<b>158</b>	<b>3637</b>	<b>1,773</b>	<b>5,568</b>

Data source: CIDR as of 29/04/2020 9:30

**Note: Data are provisional**

**Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight April 26<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	100	14	11	36	5	12	8	32	218	35.2
Residential institution	63	11	2	10	5	7	14	5	117	18.9
Private house	2	6	7	9	5	8	25	21	83	13.4
Hospital	44	2	2	12	2	3	11	6	82	13.2
Comm. Hosp/Long-stay unit	5	4	0	0	5	4	8	1	27	4.4
Workplace	5	5	2	3	1	4	6	2	28	4.5
Travel related		3	5	4	2	1	5	2	22	3.5
Extended family	2		4		2	3	3	1	15	2.4
Other	3		2	2		1	4		12	1.9
Community outbreak	4	1	1	1			1	2	10	1.6
Public house		2	1				1		4	0.6
Hotel							1		1	0.2
Not Specified	1								1	0.2
<b>Total</b>	<b>229</b>	<b>48</b>	<b>37</b>	<b>77</b>	<b>27</b>	<b>43</b>	<b>87</b>	<b>72</b>	<b>620</b>	<b>100</b>

Data source: CIDR as of 29/04/2020 09:30

## 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.