



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 13/05/2020 for NPHE

**Note: Data are provisional**

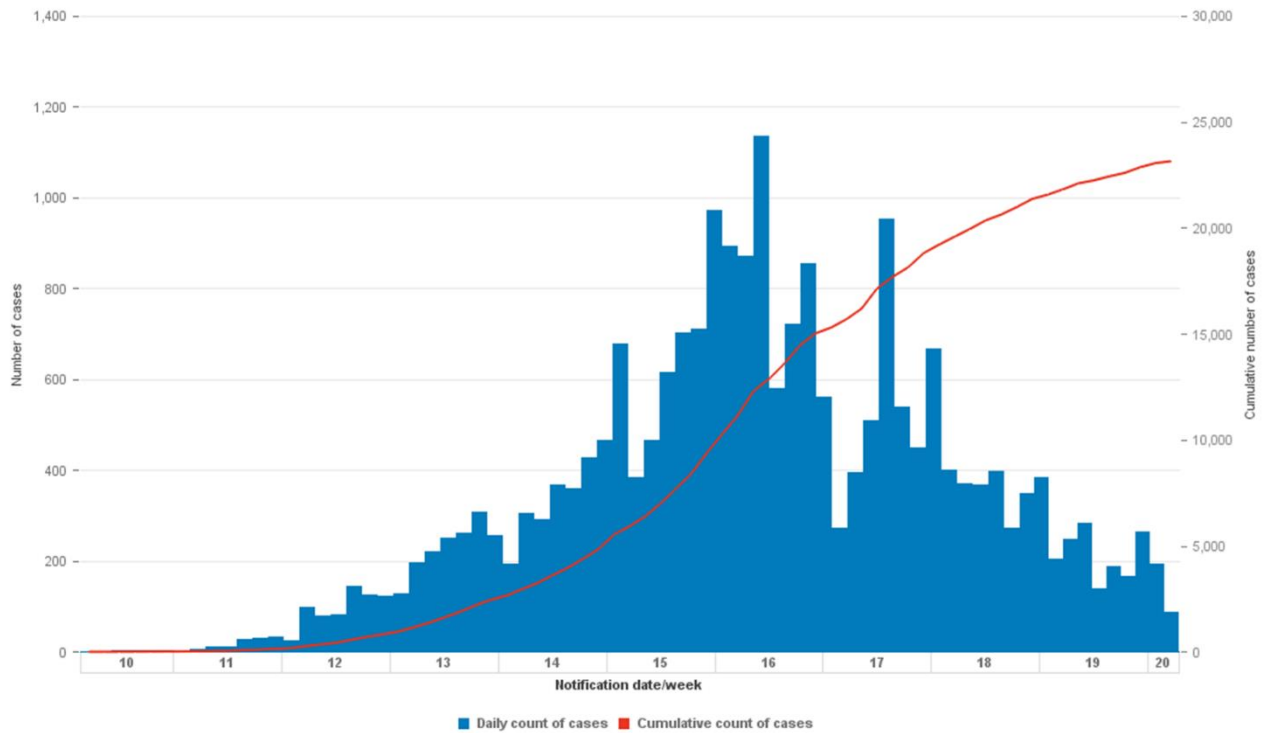
## Summary

This report includes data as of 13<sup>th</sup> May 2020 at 9:20 am for events created on CIDR up to midnight Monday 11<sup>th</sup> May 2020.

Characteristic	Number	%
Total number of confirmed cases	23,144	
Number of new cases since previous day	89	0.4
National incidence rate per 100,000 population	486.0	
Total number hospitalised	3,050	13.2
Total number admitted to ICU	389	1.7
Total number of deaths	1,246	5.4
National death rate per 100,000 population	26.2	
Total number of outbreaks/clusters	766	-
Total number cases associated with clusters	8,485	36.7
Total number of imported cases	361	1.6
Number of cases in Healthcare workers	6,997	30.2
Median age (years)	48	-
Age range (years)	0 - 106	-

## Confirmed cases

In total 23,144 confirmed cases of COVID-19 were notified in Ireland **before midnight May 11<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 May 11<sup>th</sup> 2020.**

Data source: CIDR as of 13/05/2020 9:20

## Outbreaks/Clusters

There were 766 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 11<sup>th</sup> 2020**

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 11<sup>th</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	23,144	100
<b>Sex</b>		
Female	13282	57.4
Male	9802	42.4
Unknown	60	0.3
<b>Age group (years)</b>		
<1	42	0.2
1-4	80	0.3
5-14	263	1.1
15-24	1631	7.0
25-34	3792	16.4
35-44	4004	17.3
45-54	4186	18.1
55-64	3014	13.0
65-74	1691	7.3
75-84	2165	9.4
85+	2251	9.7
Unknown	25	0.1
<b>HSE area</b>		
HSE East	13233	57.2
HSE Midlands	1524	6.6
HSE Mid-West	1311	5.7
HSE North-East	2727	11.8
HSE North-West	675	2.9
HSE South-East	893	3.9
HSE South	1543	6.7
HSE West	1238	5.3

Data source: CIDR as of 13/05/2020 9:20

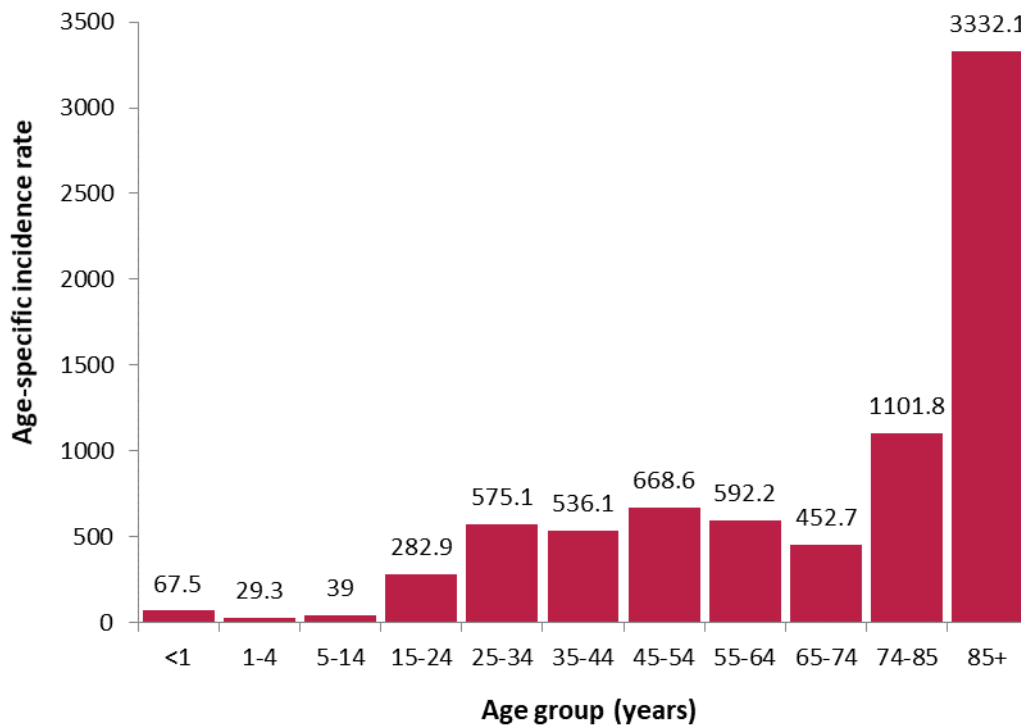
**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 11<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	18,527	80.1
Other than Ireland	361	1.6
Unknown	4256	18.4
<b>Total</b>	<b>23,144</b>	<b>100</b>

Data source: CIDR as of 13/05/2020 9:20

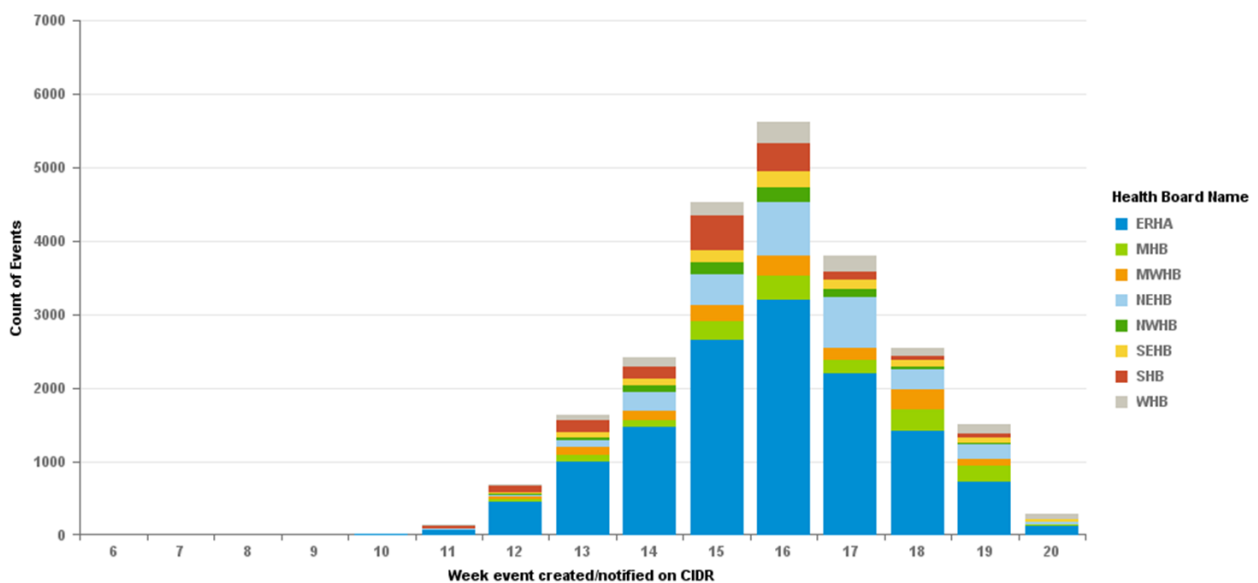
**Note: Data are provisional**

**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 11<sup>th</sup> 2020, Ireland**



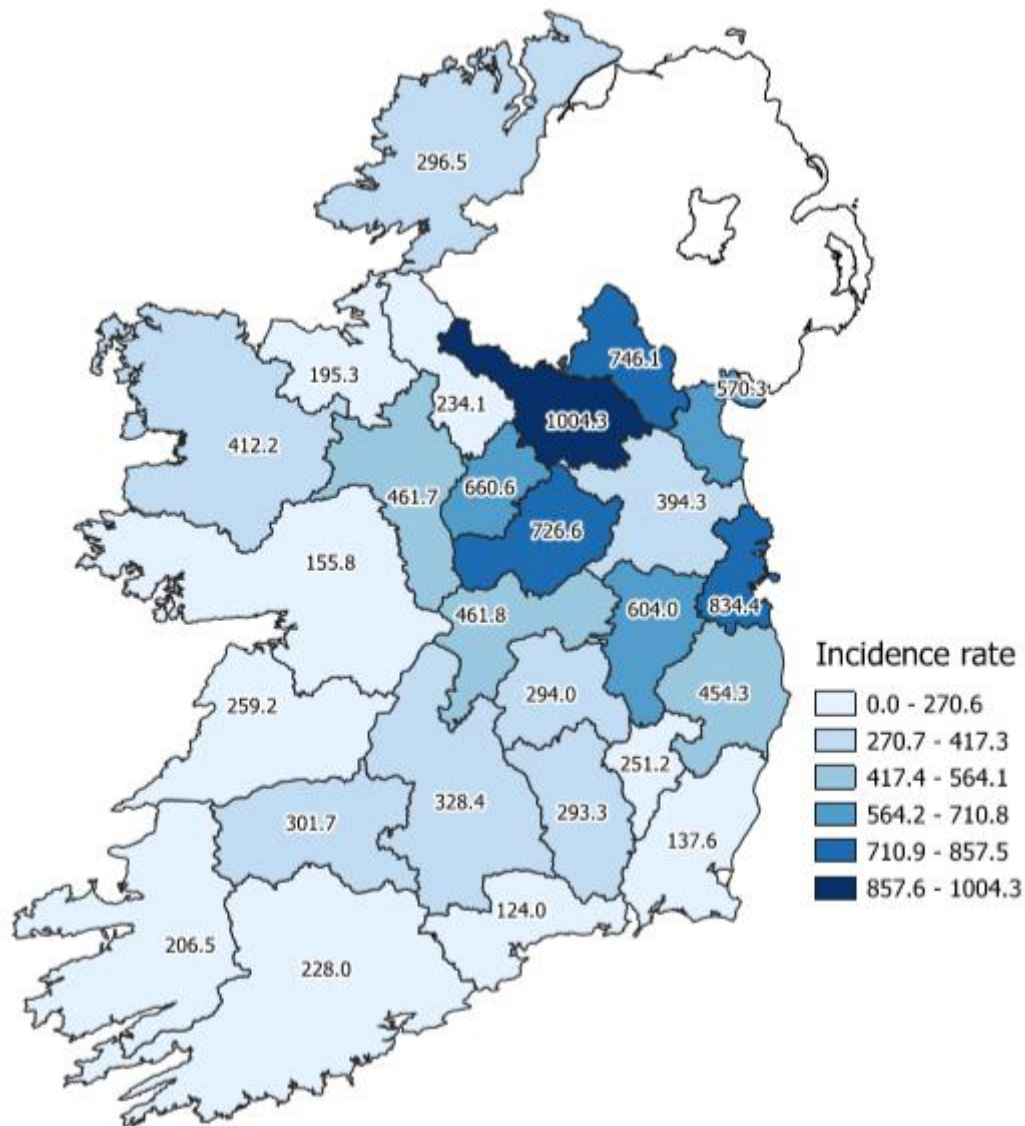
Data source: CIDR as of 13/05/2020 9:20, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))

**Figure 3: Confirmed cases of COVID-19 notified to midnight May 11<sup>th</sup> 2020, by HSE Area and week of notification**



Data source: CIDR as of 13/05/2020 9:20

**Note: Data are provisional**



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 11<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 13/05/2020 9:20, 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 11<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	143	0.6
Cavan	765	3.3
Clare	308	1.3
Cork	1238	5.3
Donegal	472	2.0
Dublin	11242	48.6
Galway	402	1.7
Kerry	305	1.3
Kildare	1344	5.8
Kilkenny	291	1.3
Laois	249	1.1
Leitrim	75	0.3
Limerick	588	2.5
Longford	270	1.2
Louth	735	3.2
Mayo	538	2.3
Meath	769	3.3
Monaghan	458	2.0
Offaly	360	1.6
Roscommon	298	1.3
Sligo	128	0.6
Tipperary	524	2.3
Waterford	144	0.6
Westmeath	645	2.8
Wexford	206	0.9
Wicklow	647	2.8
<b>Total</b>	<b>23144</b>	<b>100</b>

Data source: CIDR as of 13/05/2020 9:20

**Table 4: Number of confirmed COVID-19 cases notified to midnight May 11<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	2,548	11.0
Possible community transmission	8,847	38.2
Local transmission	6,184	26.7
Possible local transmission	760	3.3
Travel abroad	351	1.5
Possible travel abroad	215	0.9
Unknown	4,239	18.3
<b>Total</b>	<b>23,144</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 13/05/2020 9:20

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**Table 5: Number of confirmed cases of COVID-19 notified to midnight May 11<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	122	18	0.6		0.0		0.0
5 - 14	263	17	0.6	2	0.5		0.0
15-24	1631	68	2.2	6	1.5	2	0.2
25-34	3792	181	5.9	14	3.6	5	0.4
35-44	4004	239	7.8	33	8.5	10	0.8
45-54	4186	407	13.3	79	20.3	22	1.8
55-64	3014	439	14.4	112	28.8	52	4.2
65-74	1691	539	17.7	97	24.9	180	14.4
75-84	2165	696	22.8	40	10.3	428	34.3
85+	2251	444	14.6	6	1.5	547	43.9
Unknown	25	2	0.1		0.0		0.0
<b>Total</b>	<b>23144</b>	<b>3050</b>	<b>100</b>	<b>389</b>	<b>100</b>	<b>1246</b>	<b>100</b>

Data source: CIDR as of 13/05/2020 9:20

Of the 23,144 laboratory confirmed COVID-19 cases, 1,246 have died, giving a case fatality rate of 5.4%. Of the patients who were hospitalised, 13% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight May 11<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	92	3809	227	4128
HSE Midlands	12	276	114	402
HSE Mid-West	16	114	187	317
HSE North-East	11	595	364	970
HSE North-West	8	115	126	249
HSE South-East	5	15	262	282
HSE South	22	120	235	377
HSE West	7	82	183	272
<b>Total</b>	<b>173</b>	<b>5126</b>	<b>1698</b>	<b>6997</b>

Data source: CIDR as of 13/05/2020 9:20

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**Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 11<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	112	16	12	38	5	15	11	36	245	32
Residential institution	85	13	5	11	2	10	21	4	151	19.7
Private house	5	6	9	9	5	24	65	21	144	18.8
Hospital	52	2	2	12	2	3	12	5	90	11.7
Workplace	7	6	5	3	1	4	7	2	35	4.6
Comm. Hosp/Long-stay unit	6	4			4	5	8	4	31	4
Travel related		3	5	4	2	1	5	2	22	2.9
Extended family	2		5		2	3	3	1	16	2.1
Community outbreak	5	1	1	2			1	3	13	1.7
Other	3		4	1		1	4		13	1.7
Public house		2	1				1		4	0.5
Hotel							2		2	0.3
<b>Total</b>	<b>277</b>	<b>53</b>	<b>49</b>	<b>80</b>	<b>23</b>	<b>66</b>	<b>140</b>	<b>78</b>	<b>766</b>	<b>100.5</b>

Data source: CIDR as of 13/05/2020 9:20

## 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.