



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 24/05/2020 for NPHE

**Note: Data are provisional**

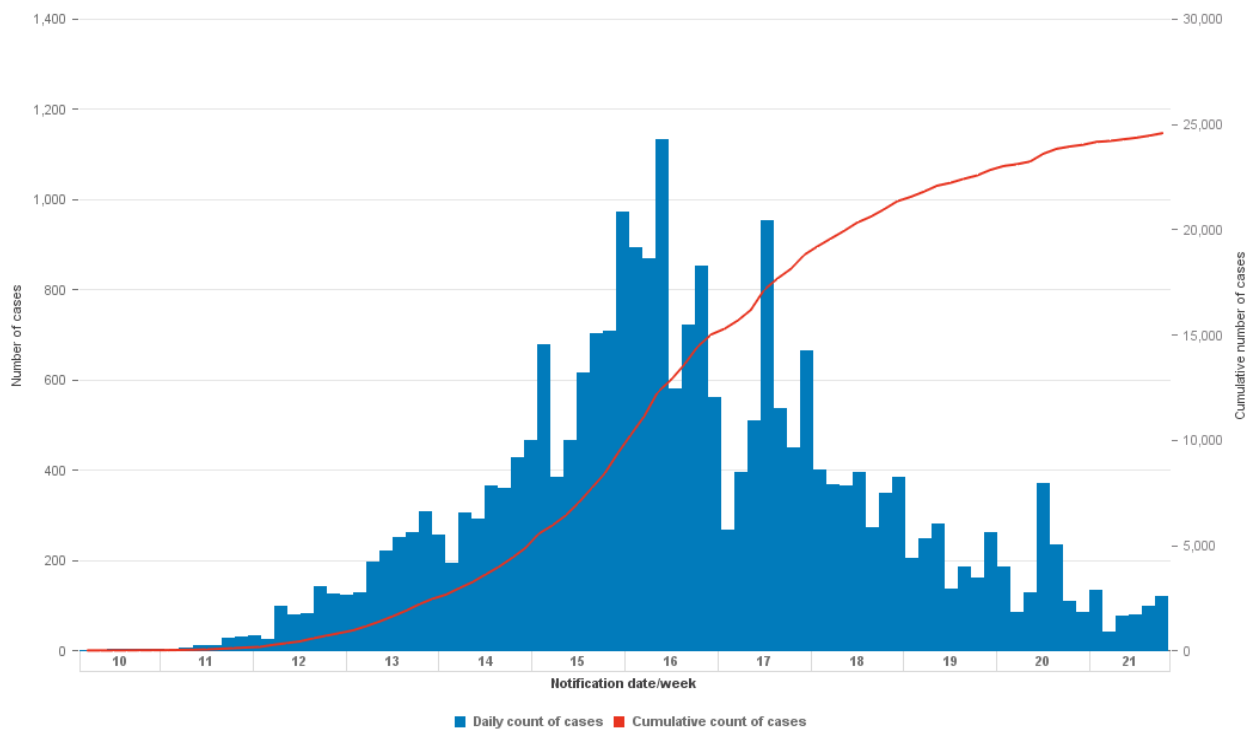
## Summary

This report includes data as of 24<sup>th</sup> May 2020 at 9:15 am for events created on CIDR up to midnight Friday 22<sup>nd</sup> May 2020.

Characteristic	Number	%
Total number of confirmed cases	24,569	
Number of new cases since previous day	120	0.5
National incidence rate per 100,000 population	516.0	
Total number hospitalised	3,222	13.1
Total number admitted to ICU	394	1.6
Total number of deaths	1,343	5.5
National death rate per 100,000 population	28.2	
Total number of outbreaks/clusters	844	-
Total number cases associated with clusters	9,509	38.7
Total number of imported cases	360	1.5
Number of cases in Healthcare workers	7,819	31.8
Median age (years)	48	-
Age range (years)	0 - 106	-

## Confirmed cases

In total 24,569 confirmed cases of COVID-19 were notified in Ireland **before midnight May 22<sup>nd</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 22<sup>nd</sup> 2020.

Data source: CIDR as of 24/05/2020 9:15

## Outbreaks/Clusters

There were 844 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 22<sup>nd</sup> 2020**.

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 22<sup>nd</sup> 2020, Ireland**

Characteristic	Number of cases	%
<b>Total</b>	24,569	100
<b>Sex</b>		
Female	14064	57.2
Male	10468	42.6
Unknown	37	0.2
<b>Age group (years)</b>		
<1	44	0.2
1-4	101	0.4
5-14	291	1.2
15-24	1792	7.3
25-34	4135	16.8
35-44	4326	17.6
45-54	4415	18.0
55-64	3158	12.9
65-74	1753	7.1
75-84	2224	9.1
85+	2306	9.4
Unknown	24	0.1
<b>HSE area</b>		
HSE East	13926	56.7
HSE Midlands	1677	6.8
HSE Mid-West	1349	5.5
HSE North-East	2878	11.7
HSE North-West	689	2.8
HSE South-East	970	3.9
HSE South	1736	7.1
HSE West	1344	5.5

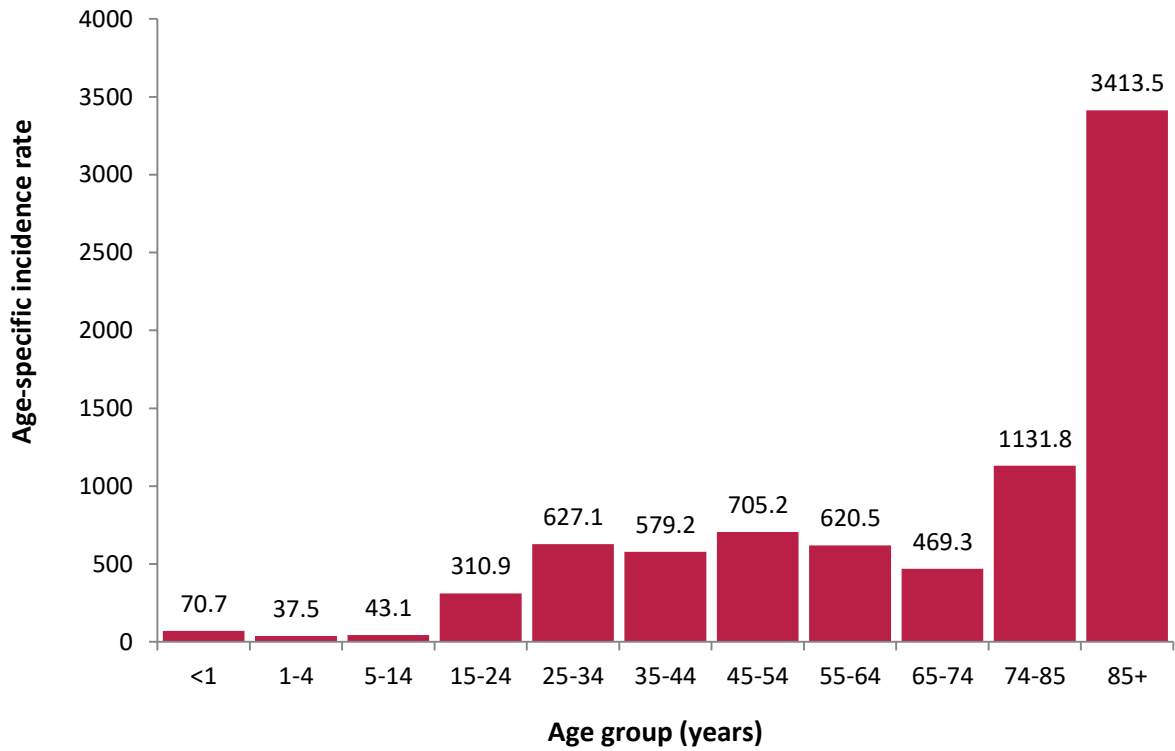
Data source: CIDR as of 24/05/2020 9:15

**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 22<sup>nd</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	19,933	81.1
Other than Ireland	360	1.5
Unknown	4276	17.4
<b>Total</b>	<b>24,569</b>	<b>100</b>

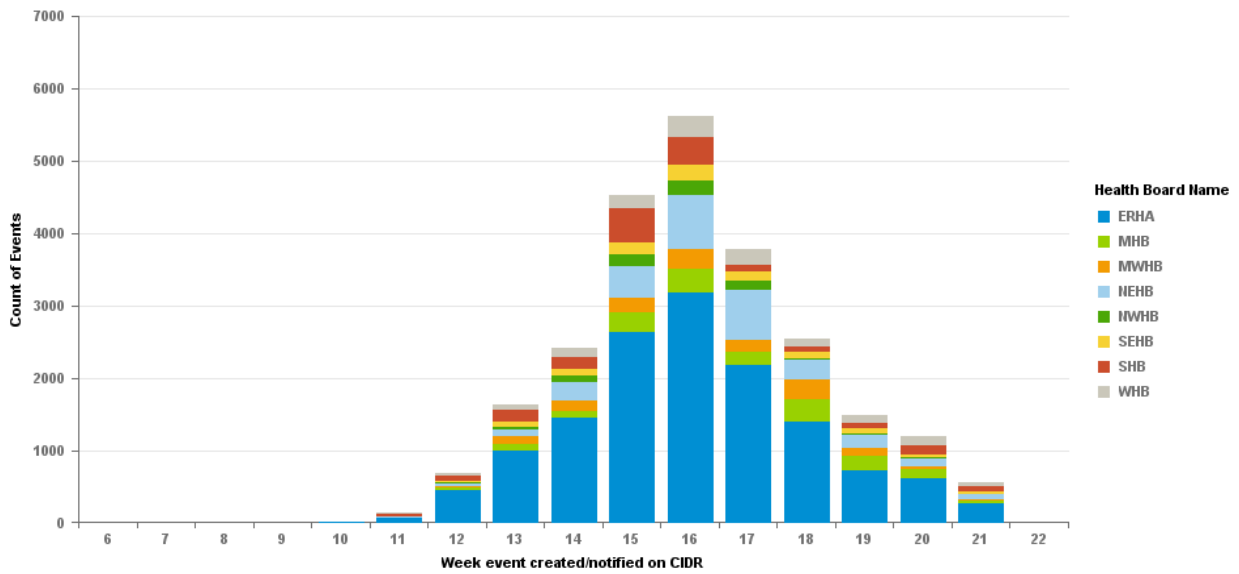
Data source: CIDR as of 24/05/2020 9:15

**Note: Data are provisional**



**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 22<sup>nd</sup> 2020, Ireland**

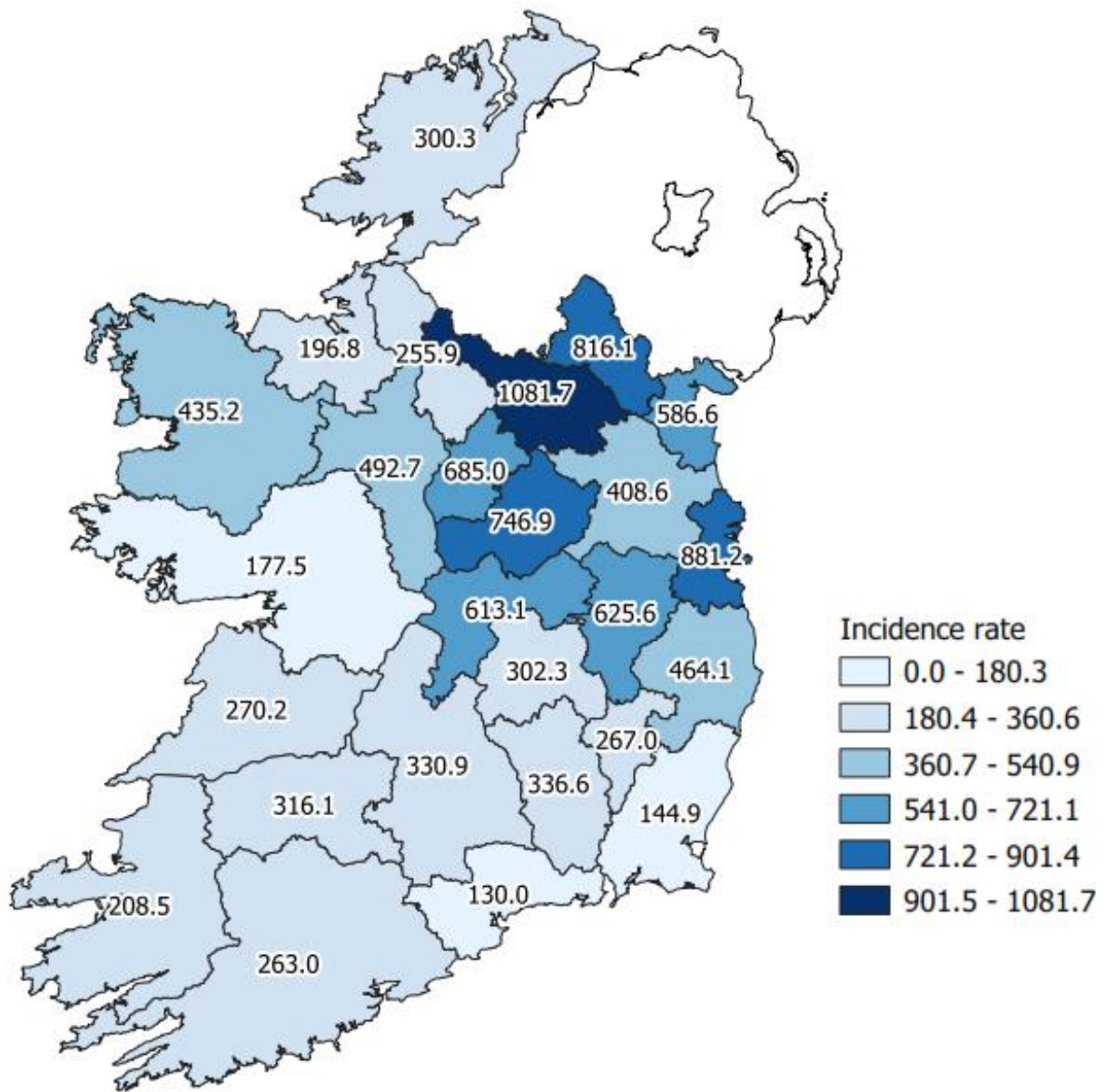
Data source: CIDR as of 24/05/2020 9:15, rates are calculated using the 2016 census ([www.cso.ie](http://www.cso.ie))



**Figure 3: Confirmed cases of COVID-19 notified to midnight May 22<sup>nd</sup> 2020, by HSE Area and week of notification**

Data source: CIDR as of 24/05/2020 9:15

**Note: Data are provisional**



**Figure 4:** Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight May 22<sup>nd</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 24/05/2020 9:15, 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 22<sup>nd</sup> 2020 by county**

County Name	Number of cases	%
Carlow	152	0.6
Cavan	824	3.4
Clare	321	1.3
Cork	1428	5.8
Donegal	478	1.9
Dublin	11873	48.3
Galway	458	1.9
Kerry	308	1.3
Kildare	1392	5.7
Kilkenny	334	1.4
Laois	256	1.0
Leitrim	82	0.3
Limerick	616	2.5
Longford	280	1.1
Louth	756	3.1
Mayo	568	2.3
Meath	797	3.2
Monaghan	501	2.0
Offaly	478	1.9
Roscommon	318	1.3
Sligo	129	0.5
Tipperary	528	2.1
Waterford	151	0.6
Westmeath	663	2.7
Wexford	217	0.9
Wicklow	661	2.7
<b>Total</b>	<b>24,569</b>	<b>100</b>

Data source: CIDR as of 24/05/2020 9:15

**Table 4: Number of confirmed COVID-19 cases notified to midnight May 22<sup>nd</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	2,577	10.5
Possible community transmission	9,501	38.7
Local transmission	6,872	28.0
Possible local transmission	800	3.3
Travel abroad	358	1.5
Possible travel abroad	214	0.9
Unknown	4,247	17.3
<b>Total</b>	<b>24,569</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 24/05/2020 9:15

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight May 22<sup>nd</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	145	19	0.6	0	0.0	0	0.0
5 - 14	291	17	0.5	2	0.5	0	0.0
15-24	1792	71	2.2	5	1.3	2	0.1
25-34	4135	193	6.0	14	3.6	5	0.4
35-44	4326	248	7.7	33	8.4	10	0.7
45-54	4415	430	13.3	81	20.6	23	1.7
55-64	3158	478	14.8	113	28.7	58	4.3
65-74	1753	563	17.5	101	25.6	193	14.4
75-84	2224	726	22.5	39	9.9	462	34.4
85+	2306	474	14.7	6	1.5	590	43.9
Unknown	24	3	0.1	0	0.0	0	0.0
<b>Total</b>	<b>24,569</b>	<b>3,222</b>	<b>100</b>	<b>394</b>	<b>100</b>	<b>1,343</b>	<b>100</b>

Data source: CIDR as of 24/05/2020 9:15

Of the 24,569 laboratory confirmed COVID-19 cases, 1,343 have died, giving a case fatality rate of 5.5%. Of the patients who were hospitalised, 12% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight May 22<sup>nd</sup> 2020 in healthcare workers by HSE-area and travel status**

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	94	4243	295	4632
HSE Midlands	12	301	114	427
HSE Mid-West	16	126	219	361
HSE North-East	11	1068	15	1094
HSE North-West	8	119	129	256
HSE South-East	5	16	298	319
HSE South	22	126	242	390
HSE West	7	88	245	340
<b>Total</b>	<b>175</b>	<b>6,087</b>	<b>1,557</b>	<b>7,819</b>

Data source: CIDR as of 24/05/2020 9:15

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**Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 22<sup>nd</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	120	16	13	38	6	15	10	36	254	30.1
Residential institution	105	12	6	15	4	10	20	4	176	20.9
Private house	5	6	20	16	5	25	64	21	162	19.2
Hospital	60	2	2	14	2	3	12	6	101	12
Workplace	8	5	5	11	1	4	8	2	44	5.1
Comm. Hosp/Long-stay unit	4	4	1		4	5	6	4	28	3.3
Travel related		3	5	4	2	1	5	2	22	2.6
Extended family	2	1	6		2	3	3	3	20	2.4
Community outbreak	5	1	2	2			1	4	15	1.8
Public house		2	1				1		4	0.5
Hotel	1						2		3	0.4
Other	6		4			1	4		15	1.8
<b>Total</b>	<b>316</b>	<b>52</b>	<b>65</b>	<b>100</b>	<b>26</b>	<b>67</b>	<b>136</b>	<b>82</b>	<b>844</b>	<b>100.1</b>

Data source: CIDR as of 24/05/2020 9:15

## 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.