



# Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 08/05/2020 for NPHE

**Note: Data are provisional**

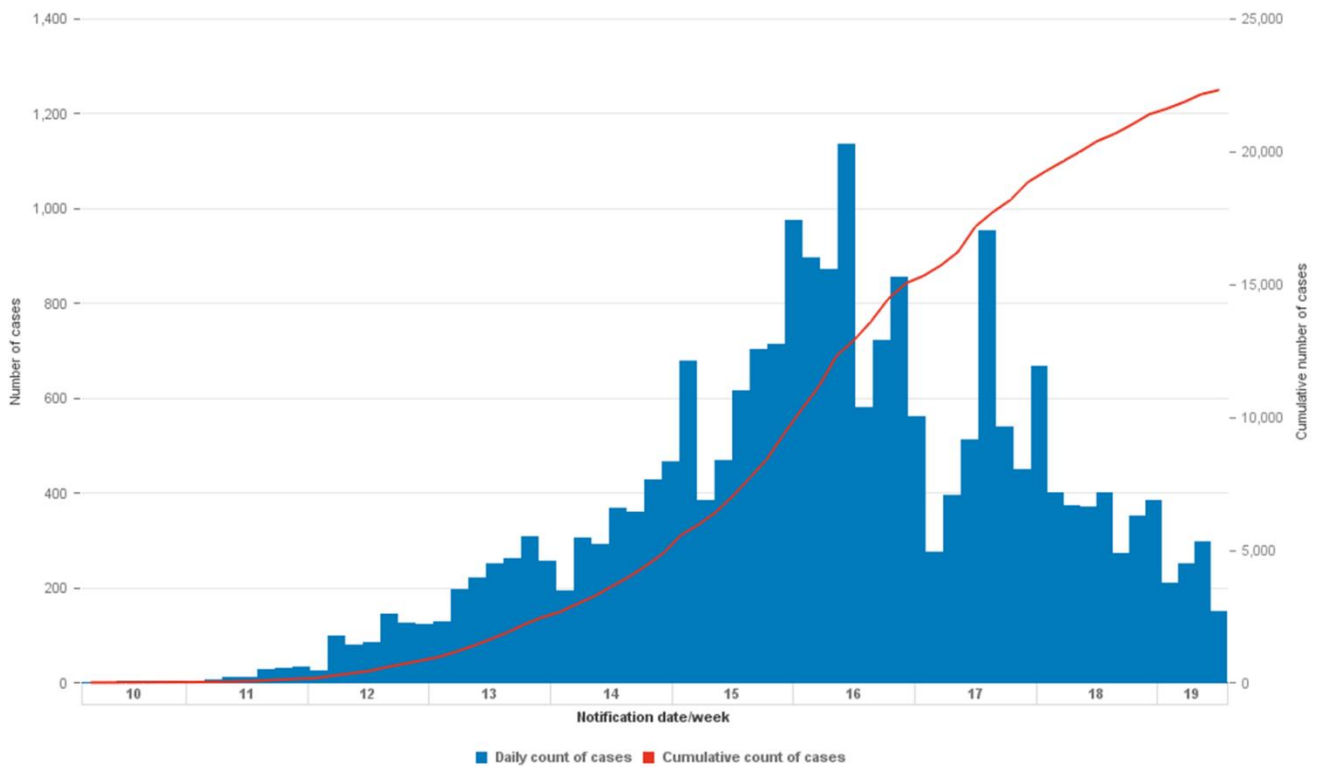
## Summary

This report includes data as of 8<sup>th</sup> May 2020 at 9:20 am for events created on CIDR up to midnight Wednesday 6<sup>th</sup> May 2020.

Characteristic	Number	%
Total number of confirmed cases	22,301	
Number of new cases since previous day	115	0.5
Total number hospitalised	2,915	13.1
Total number admitted to ICU	373	1.7
Total number of deaths	1,177	5.3
Total number of outbreaks/clusters	737	-
Total number cases associated with clusters	7,935	35.6
Total number of imported cases	362	1.6
Number of cases in Healthcare workers	6,586	29.5
Median age (years)	49	-
Age range (years)	0-106	-

## Confirmed cases

In total 22,301 confirmed cases of COVID-19 were notified in Ireland **before midnight May 6<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 6<sup>th</sup> 2020.**

Data source: CIDR as of 08/05/2020 9:20

## Outbreaks/Clusters

There were 737 outbreaks/clusters of COVID-19 notified on CIDR **before midnight May 6<sup>th</sup> 2020**.

**Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight May 6<sup>th</sup> 2020, Ireland**

Data source: CIDR as of 08/05/2020 9:20

Characteristic	Number of cases	%
<b>Total</b>	22,301	100
<b>Sex</b>		
Female	12765	57.2
Male	9472	42.5
Unknown	64	0.3
<b>Age group (years)</b>		
<1	40	0.2
1-4	77	0.3
5-14	243	1.1
15-24	1545	6.9
25-34	3635	16.3
35-44	3851	17.3
45-54	4065	18.2
55-64	2913	13.1
65+	5907	26.5
Unknown	25	0.1
<b>HSE area</b>		
HSE East	12833	57.5
HSE Midlands	1480	6.6
HSE Mid-West	1270	5.7
HSE North-East	2603	11.7
HSE North-West	651	2.9
HSE South-East	835	3.7
HSE South	1502	6.7
HSE West	1127	5.1

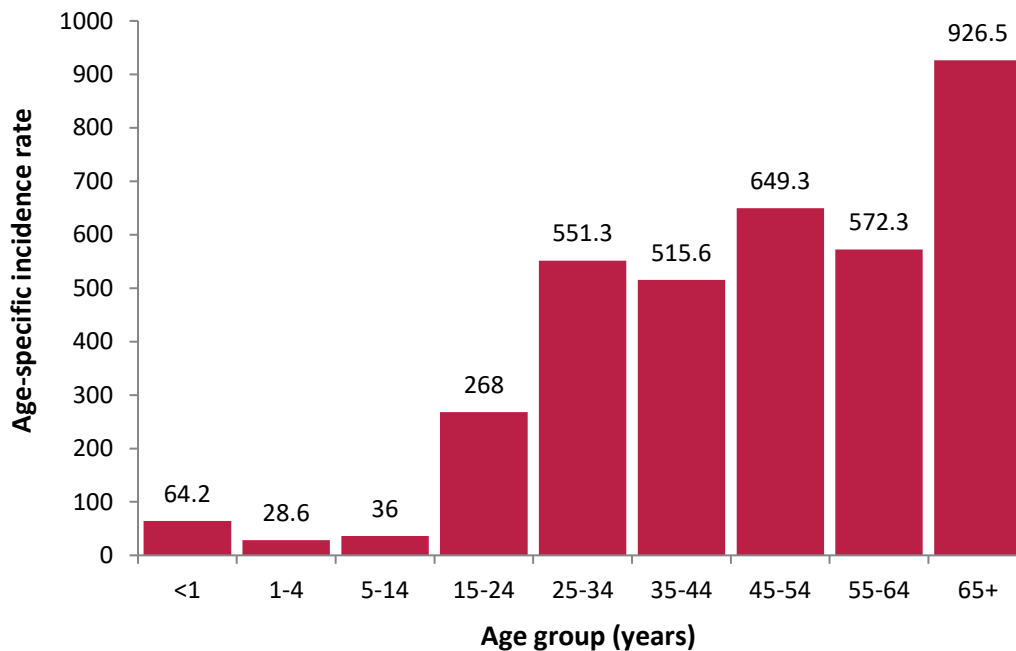
**Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight May 6<sup>th</sup> 2020, Ireland**

Country of infection	Number of cases	% of cases
Ireland	17,580	78.8
Other than Ireland	362	1.6
Unknown	4359	19.5
<b>Total</b>	<b>22,301</b>	<b>100</b>

Data source: CIDR as of 08/05/2020 9:20

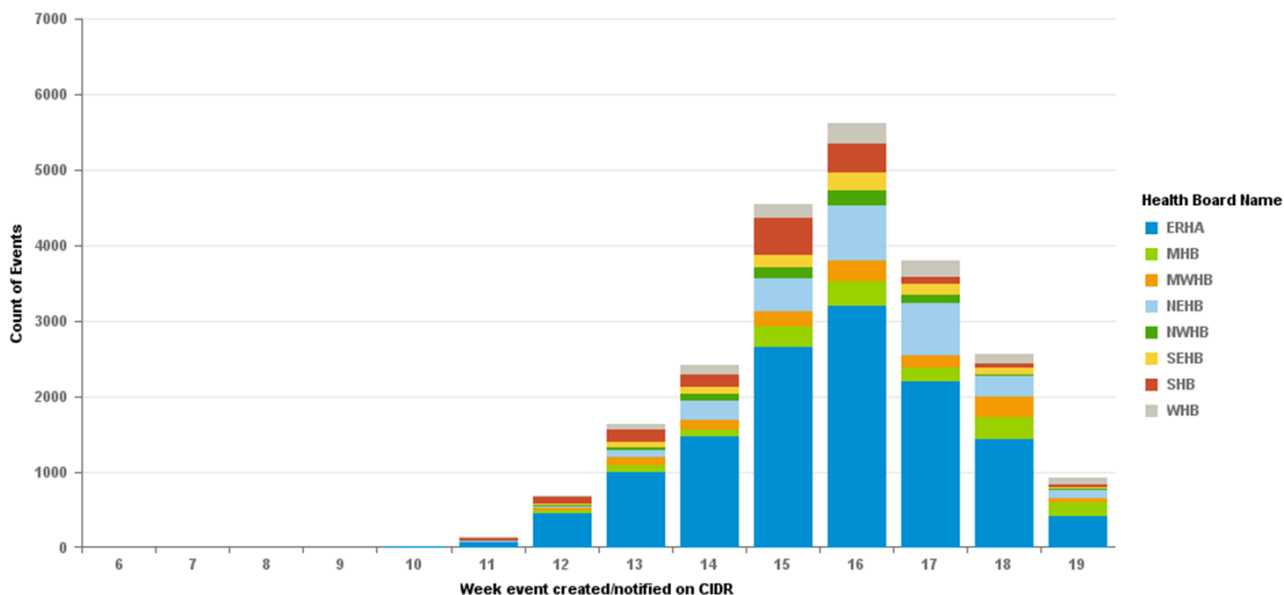
**Note: Data are provisional**

**Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight May 6<sup>th</sup> 2020, Ireland**



Data source: CIDR as of 08/05/2020 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 6<sup>th</sup> 2020, by HSE Area and week of notification**



Data source: CIDR as of 08/05/2020 9:20

**Note: Data are provisional**



**Table 3: Number of confirmed cases of COVID-19 notified to midnight May 6<sup>th</sup> 2020 by county**

County Name	Number of cases	%
Carlow	133	0.6
Cavan	730	3.3
Clare	299	1.3
Cork	1199	5.4
Donegal	469	2.1
Dublin	10885	48.8
Galway	381	1.7
Kerry	303	1.4
Kildare	1312	5.9
Kilkenny	265	1.2
Laois	242	1.1
Leitrim	66	0.3
Limerick	566	2.5
Longford	260	1.2
Louth	703	3.2
Mayo	518	2.3
Meath	727	3.3
Monaghan	443	2.0
Offaly	345	1.5
Roscommon	228	1.0
Sligo	116	0.5
Tipperary	512	2.3
Waterford	140	0.6
Westmeath	633	2.8
Wexford	190	0.9
Wicklow	636	2.9
<b>Total</b>	<b>22301</b>	<b>100</b>

Data source: CIDR as of 08/05/2020 9:20

**Table 4: Number of confirmed COVID-19 cases notified to midnight May 6<sup>th</sup> 2020 by transmission classification, Ireland**

Transmission classification*	Number of cases	%
Community transmission	2,538	11.4
Possible community transmission	8,499	38.1
Local transmission	5,703	25.6
Possible local transmission	664	3.0
Travel abroad	351	1.6
Possible travel abroad	213	1.0
Unknown	4,333	19.4
<b>Total</b>	<b>22,301</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 08/05/2020 9:20

**Note: Data are provisional**

**Table 5: Number of confirmed cases of COVID-19 notified to midnight May 6<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	117	18	0.6	0	0.0	0	0.0
5 - 14	243	17	0.6	2	0.5	0	0.0
15-24	1545	63	2.2	5	1.3	2	0.2
25-34	3635	175	6.0	13	3.5	5	0.4
35-44	3851	235	8.1	32	8.6	10	0.8
45-54	4065	393	13.5	79	21.2	20	1.7
55-64	2913	429	14.7	108	29.0	50	4.2
65+	5907	1583	54.3	134	35.9	1090	92.6
Unknown	25	2	0.1	0	0.0	0	0.0
<b>Total</b>	<b>22301</b>	<b>2915</b>	<b>100</b>	<b>373</b>	<b>100</b>	<b>1177</b>	<b>100</b>

Data source: CIDR as of 08/05/2020 9:20

Of the 22,301 laboratory confirmed COVID-19 cases, 1,177 have died, giving a case fatality rate of 5.3%. Of the patients who were hospitalised, 13% were admitted to ICU.

**Table 6: Number of confirmed cases of COVID-19 notified to midnight May 6<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	89	3609	217	3915
HSE Midlands	12	263	114	389
HSE Mid-West	16	112	171	299
HSE North-East	10	373	495	878
HSE North-West	8	113	114	235
HSE South-East	5	15	235	255
HSE South	22	120	220	362
HSE West	7	82	164	253
<b>Total</b>	<b>169</b>	<b>4687</b>	<b>1730</b>	<b>6586</b>

Data source: CIDR as of 08/05/2020 9:20

**Note: Data are provisional**

**Table 7: Number of clusters/outbreaks of COVID-19 notified to midnight May 6<sup>th</sup> 2020 by location and HSE-area**

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	107	16	11	38	5	15	9	33	234	31.8
Private house	4	6	9	9	5	23	64	21	141	19.1
Residential institution	76	13	4	11	3	9	19	4	139	18.9
Hospital	50	2	2	12	2	3	12	5	88	11.9
Workplace	7	6	5	3	1	4	7	2	35	4.7
Comm. Hosp/Long-stay unit	6	4			4	4	8	4	30	4.1
Travel related		3	5	4	2	1	5	2	22	3
Extended family	2		5		2	3	3	1	16	2.2
Community outbreak	5	1	1	2			1	3	13	1.8
Other	4		2	1		1	4		12	1.6
Public house		2	1				1		4	0.5
Not Specified	1						1		2	0.3
Hotel							1		1	0.1
<b>Total</b>	<b>262</b>	<b>53</b>	<b>45</b>	<b>80</b>	<b>24</b>	<b>63</b>	<b>135</b>	<b>75</b>	<b>737</b>	<b>100</b>

Data source: CIDR as of 08/05/2020 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.