



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 26/03/2020 for NPHE

Summary

This report includes data as of 26th March 2020 13:05 for events created on CIDR up to midnight Tuesday, 24th March, 2020

Note: Data are provisional

Total number of confirmed cases	1,383	
Number of new cases 24 th March	219	
Total number hospitalised	340	24.6
Total number admitted to ICU	47	3.4
Total number of deaths	13	
Case Fatality Ratio (CFR %)	0.9	
Total number of outbreaks/clusters	66	
Total number cases associated with clusters	295	21.3%
Total number of imported cases	227	16.4%
Number of cases in HCW	321	23.2%
Median age (years)	46	
Age range (years)	0-96	

Confirmed cases

In total, 1,383 confirmed cases of COVID-19 were notified in Ireland **before midnight March 24th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

Sixty six outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 24th 2020**.

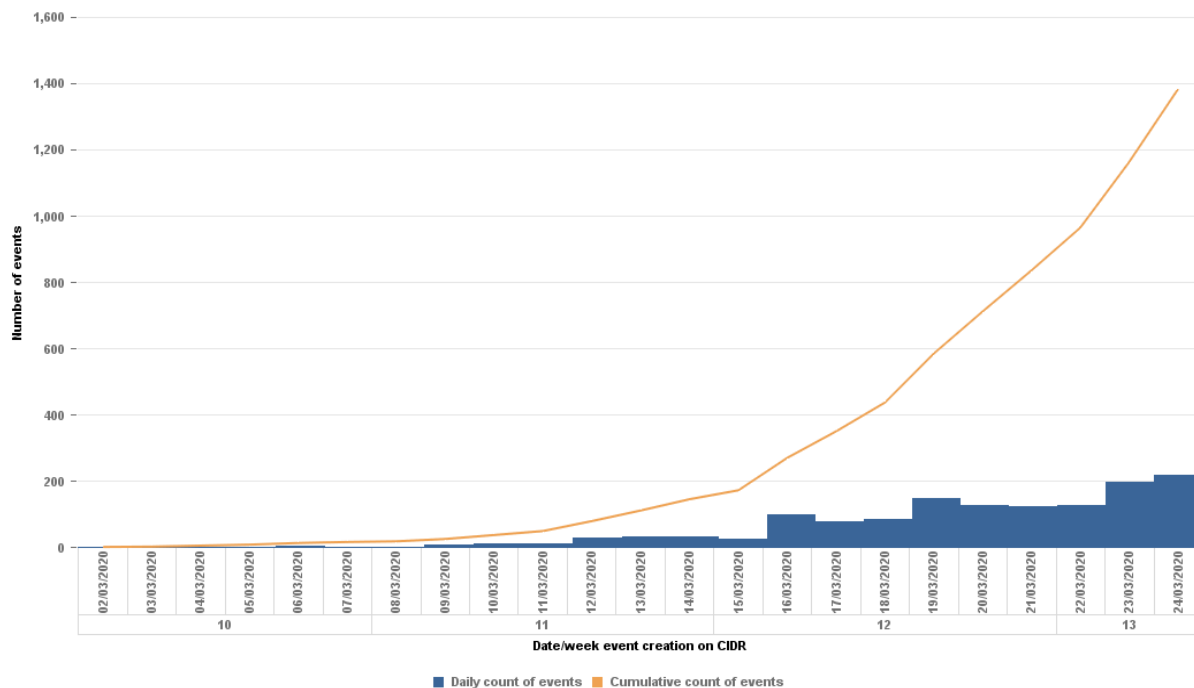


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 24th 2020

Data source: CIDR as of 26/03/2020 13:05

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 24th 2020, Ireland

	Number	Percent
Total	1383	100.0
Sex		
Female	630	45.5
Male	753	54.5
Unknown	0	0.0
Age group (years)		
<1	3	0.2
1-4	5	0.4
5-14	22	1.6
15-24	111	8.0
25-34	264	19.1
35-44	246	17.8
45-54	280	20.3
55-64	197	14.2
65+	252	18.2
Unknown	3	0.2
HSE area		
HSE E	862	62.3
HSE M	58	4.2
HSE MW	70	5.1
HSE NE	56	4.1
HSE NW	23	1.7
HSE SE	58	4.2
HSE S	191	13.9
HSE W	64	4.6
Country of Infection		
Algeria	1	0.1
Andorra	2	0.2
Austria	45	3.3
Brazil	1	0.1
Bulgaria	1	0.1
Czech Republic	1	0.1
Finland	1	0.1
France	17	1.2
Hungary	1	0.1
Ireland	827	59.8
Italy	61	4.4
Netherlands	3	0.2
Philippines	1	0.1
Portugal	2	0.2
Singapore	2	0.2
Spain	24	1.7
Sri Lanka	1	0.1
Sweden	1	0.1
Switzerland	7	0.5
United Kingdom	51	3.7
United States	4	0.3
Unknown or not specified	329	23.8

Data source: CIDR as of 26/03/2020 13:05

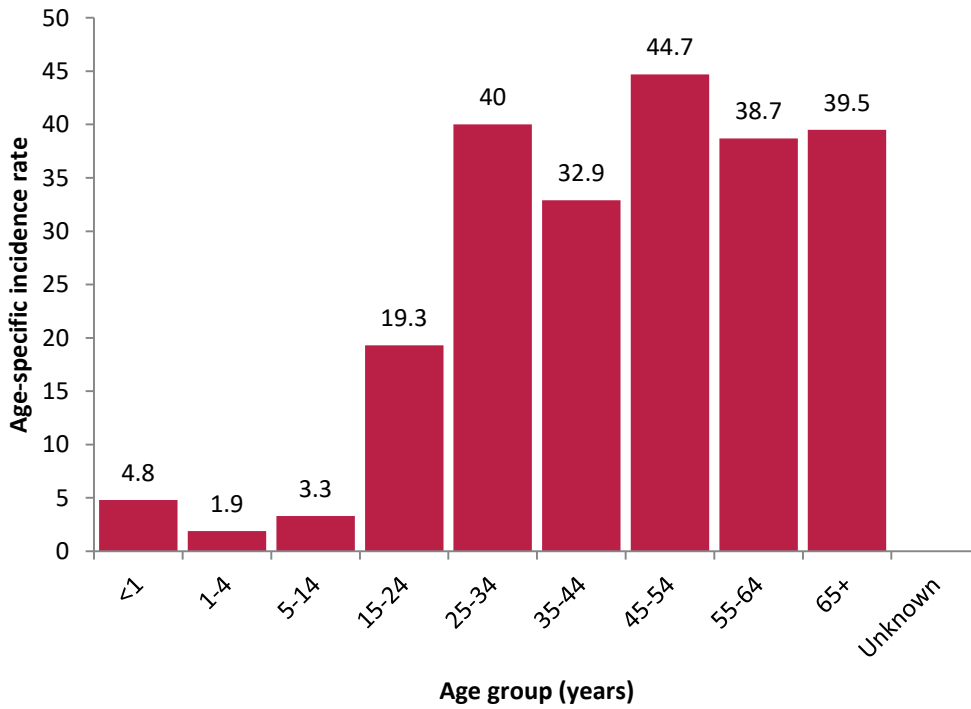


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 24th 2020, Ireland

Data source: CIDR as of 26/03/2020 13:05

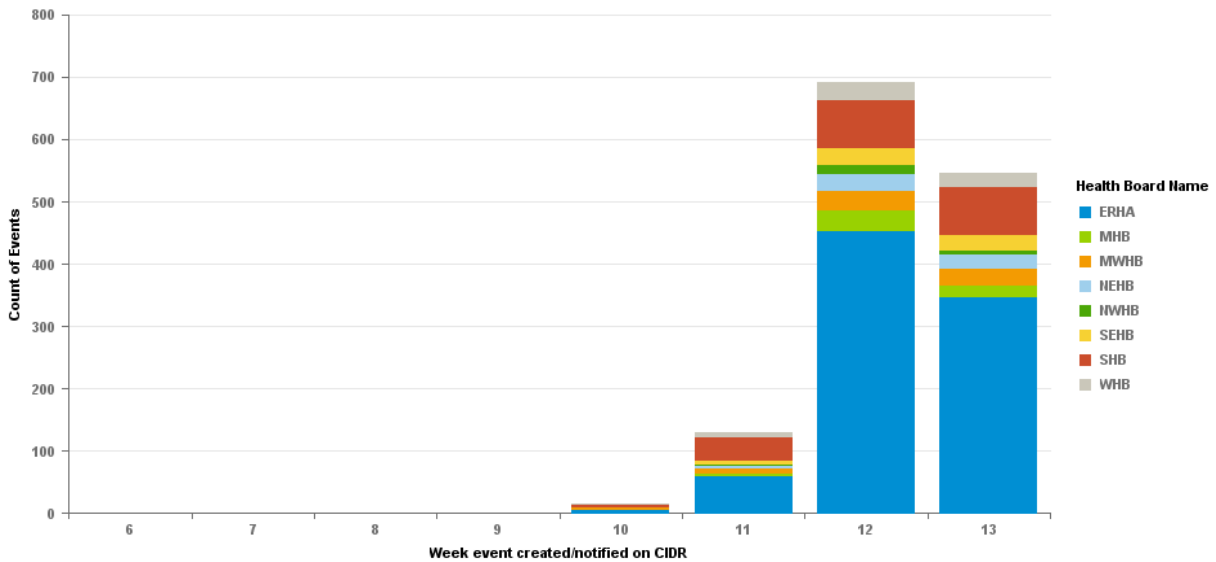


Figure 3: Confirmed cases of COVID-19 notified to midnight March 24th 2020, by HSE Area and week of notification

Data source: CIDR as of 26/03/2020 13:05

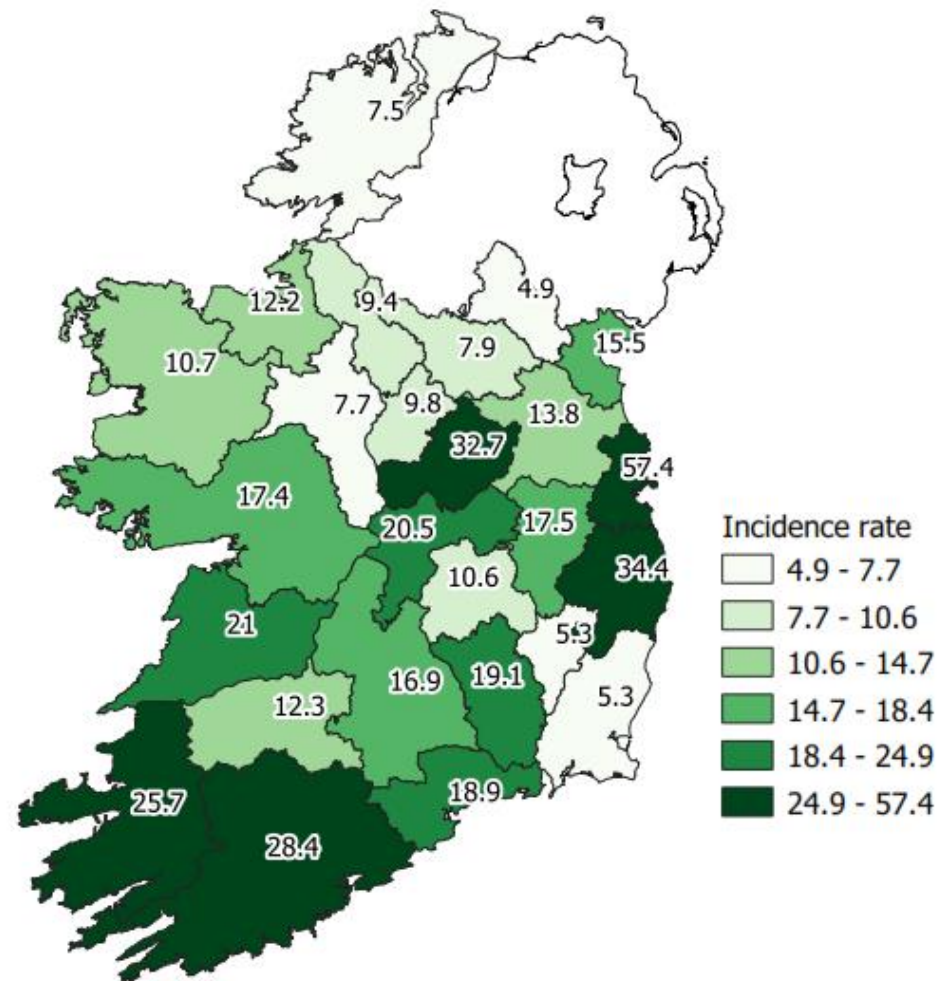


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 24th 2020 by county, Ireland
 Data source: CIDR as of 26/03/2020 13:05

Note: Data are provisional

Table 2: Number of confirmed cases of COVID-19 notified to midnight March 24th 2020 by County

County Name	Count of Events	%
Carlow	3	0.2
Cavan	6	0.4
Clare	25	1.8
Cork	154	11.1
Donegal	12	0.9
Dublin	774	56.0
Galway	45	3.3
Kerry	38	2.7
Kildare	39	2.8
Kilkenny	19	1.4
Laois	9	0.7
Leitrim	3	0.2
Limerick	24	1.7
Longford	4	0.3
Louth	20	1.4
Mayo	14	1.0
Meath	27	2.0
Monaghan	3	0.2
Offaly	16	1.2
Roscommon	5	0.4
Sligo	8	0.6
Tipperary	27	2.0
Waterford	22	1.6
Westmeath	29	2.1
Wexford	8	0.6
Wicklow	49	3.5

Data source: CIDR as of 26/03/2020 13:05

Table 3: Number of confirmed COVID-19 cases notified to midnight March 24th 2020 by transmission classification, Ireland

Transmission classification*	Number of events	%
Community transmission	391	28.3
Possible community transmission	32	2.3
Local transmission	182	13.2
Travel abroad	226	16.3
Unknown	552	39.9

* Transmission classification is based on country of infection as well as 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 26/03/2020 13:05

Table 4: Number of confirmed cases of COVID-19 notified to midnight March 24th 2020 by age group and hospital, ICU and vital status, Ireland

Age group (years)	Number hospitalised	% hospitalised	Number admitted to ICU	% admitted to ICU	Number died	Case fatality ratio (%)
<5	2	0.6	0	0.0	.	.
5-14	2	0.6	1	2.1	.	.
15-24	16	4.7	1	2.1	.	.
25-34	38	11.2	3	6.4	.	.
35-44	29	8.5	4	8.5	.	.
45-54	64	18.8	13	27.7	.	.
55-64	56	16.5	11	23.4	.	.
65+	133	39.1	14	29.8	.	.
Total	340	100.0	47	100.0	13	0.9

Data source: CIDR as of 26/03/2020 13:05

Table 5: Number of confirmed cases of COVID-19 notified to midnight March 24th 2020 in healthcare workers by HSE-area and travel status

HSE-area	Foreign travel	No foreign travel	Not specified	Total
E	37	141	21	199
M	3	13	1	17
MW	1	4	4	9
NE	2	2	0	4
NW	5	1	0	6
SE	4	0	9	13
S	13	21	13	47
W	8	11	7	26
Total	73	193	55	321

Data source: CIDR as of 26/03/2020 13:05

Of the 321 cases who were healthcare workers, 60% had no history of foreign travel in the 14 days prior to onset of symptoms.

Table 6: Number of clusters/outbreaks COVID-19 notified to midnight March 24th 2020 by location and HSE-area

Location	E	M	MW	NE	NW	SE	S	W	Total
Travel related			4	4	2	1	2	2	15
Hospital	3	1		1			2	1	8
Extended family	2					3	1		6
Private house	2	1		2	1	2	2	7	17
Community outbreak		1							1
Community hospital/Long-stay unit	1								1
Nursing home	9								9
Residential institution	1								1
Workplace	1					1			2
Hotel							1		1
Other	1		1	1					3
Not Specified							2		2
Total	20	3	5	8	3	7	10	10	66

Data source: CIDR as of 26/03/2020 13:05

Acknowledgements

Sincere thanks is 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.