



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 24/03/2020 for NPHE

Summary

This report includes data as of 24th March 2020 13:05 for events created on CIDR up to midnight Sunday, 22nd March, 2020

Note: Data are provisional

Total number of confirmed cases	965	
Number of new cases 22 nd March	129	
Total number hospitalised	277	28.7%
Total number admitted to ICU	36	3.7%
Total number of deaths	6	
Case Fatality Ratio (CFR %)	0.6	
Total number of outbreaks/clusters	44	
Total number cases associated with clusters	243	25.2%
Total number of imported cases	201	20.8%
Number of cases in HCW	247	25.6%
Median age (years)	45	
Age range (years)	0-95	

Confirmed cases

In total, 965 confirmed cases of COVID-19 were notified in Ireland **before midnight March 22nd 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

Forty four outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 22nd 2020**.

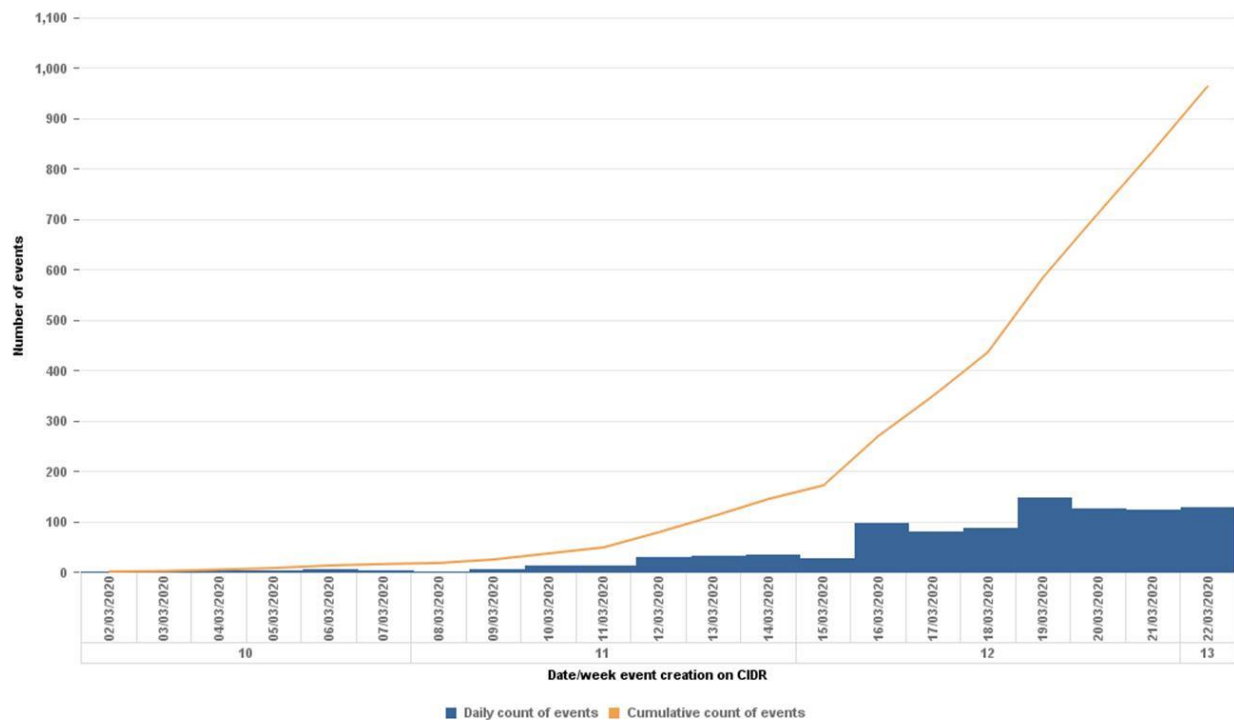


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 22nd 2020

Data source: CIDR as of 24/03/2020 13:05

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 22nd 2020, Ireland

	Number	Percent
Total	965	100
Sex		
Female	431	44.7
Male	534	55.3
Unknown	0	0
Age group (years)		
<1	3	0.3
1-4	2	0.2
5-14	17	1.8
15-24	77	8.0
25-34	189	19.6
35-44	183	19.0
45-54	191	19.8
55-64	136	14.1
65+	165	17.1
Unknown	2	0.2
HSE area		
HSE E	588	60.9
HSE M	46	4.8
HSE MW	47	4.9
HSE NE	39	4.0
HSE NW	20	2.1
HSE SE	42	4.4
HSE S	138	14.3
HSE W	45	4.7
Country of Infection		
Andorra	2	0.2
Austria	39	4.0
Brazil	1	0.1
Bulgaria	1	0.1
Czech Republic	1	0.1
France	13	1.3
Ireland	627	65.0
Italy	61	6.3
Netherlands	2	0.2
Philippines	1	0.1
Portugal	2	0.2
Singapore	2	0.2
Spain	20	2.0
Sri Lanka	1	0.1
Sweden	1	0.1
Switzerland	7	0.7
United kingdom	44	4.6
United States	3	0.3
Unknown or not specified	137	14.0

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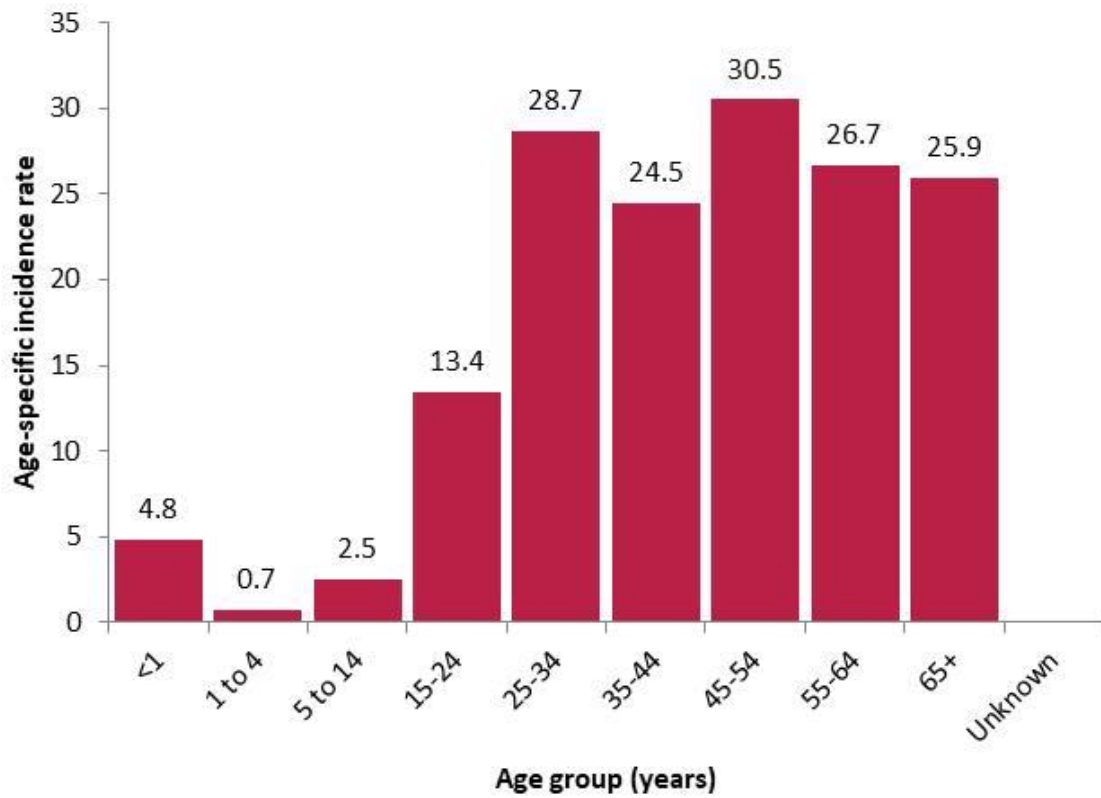


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 22nd 2020, Ireland

Data source: CIDR as of 24/03/2020 13:05

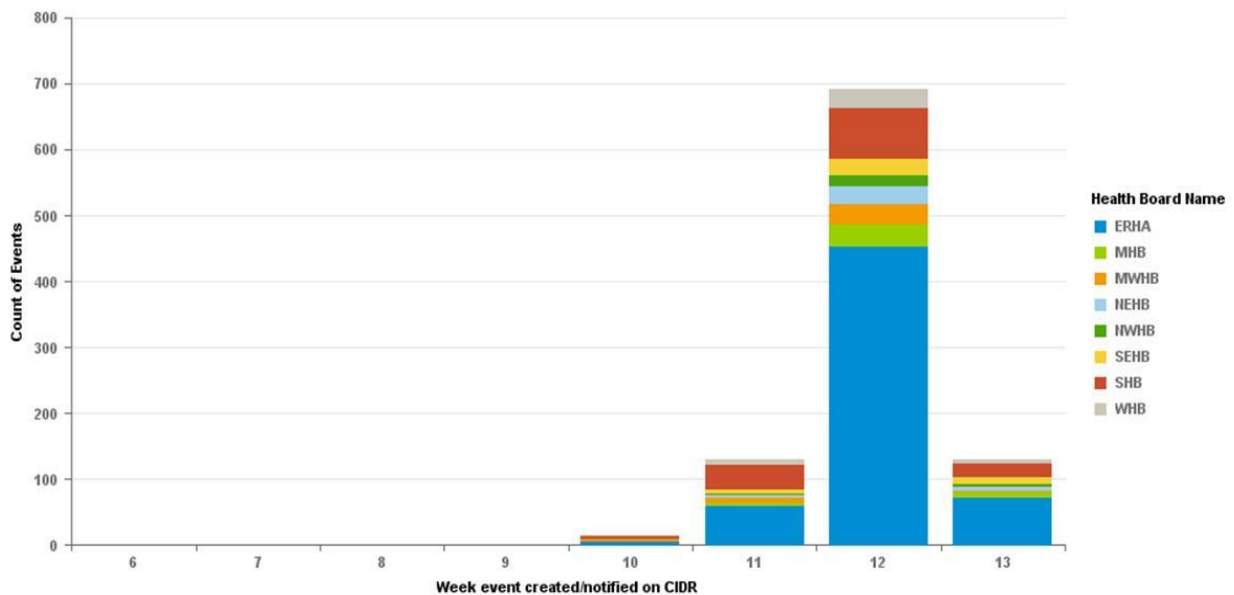


Figure 3: Confirmed cases of COVID-19 notified to midnight March 22nd 2020, by HSE Area and week of notification

Data source: CIDR as of 24/03/2020 13:05

Note: Data are provisional

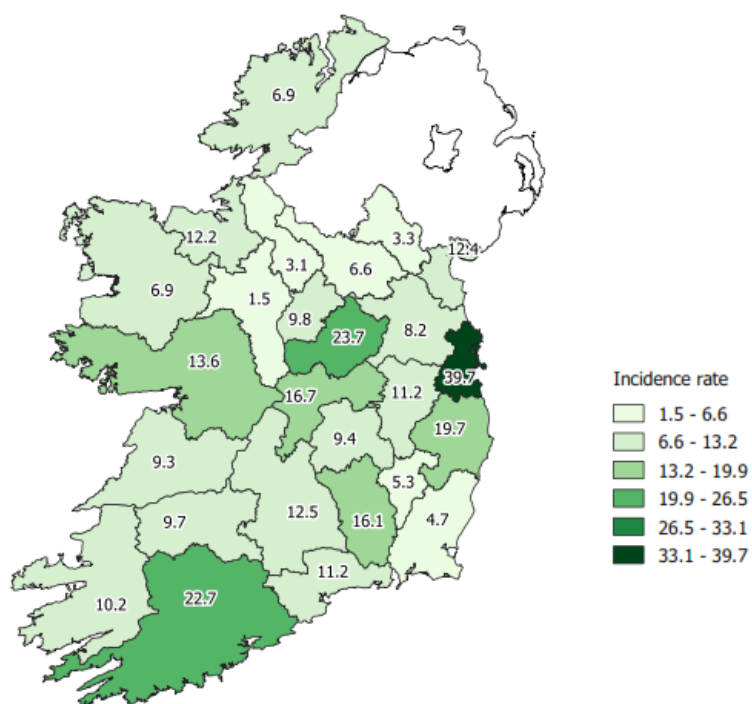


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 22nd 2020 by county, Ireland

Data source: CIDR as of 24/03/2020 13:05

Table 2: Number of confirmed cases of COVID-19 notified to midnight March 22nd 2020 by County

County Name	Count of Events	%
Carlow	3	0.3
Cavan	5	0.5
Clare	11	1.1
Cork	123	12.7
Donegal	11	1.1
Dublin	535	55.4
Galway	35	3.6
Kerry	15	1.6
Kildare	25	2.6
Kilkenny	16	1.7
Laois	8	0.8
Leitrim	1	0.1
Limerick	19	2.0
Longford	4	0.4
Louth	16	1.7
Mayo	9	0.9
Meath	16	1.7
Monaghan	2	0.2
Offaly	13	1.3
Roscommon	1	0.1
Sligo	8	0.8
Tipperary	20	2.1
Waterford	13	1.3
Westmeath	21	2.2
Wexford	7	0.7
Wicklow	28	2.9

Note: Data are provisional

Data source: CIDR as of 24/03/2020 13:05

Table 3: Number of confirmed COVID-19 cases notified to midnight March 22nd 2020 by transmission classification, Ireland

Transmission classification*	Number of events	%
Community transmission	285	29.5
Possible community transmission	27	2.8
Local transmission	151	15.6
Possible local transmission	3	0.3
Travel abroad	200	20.7
Unknown	299	31

* 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 24/03/2020 13:05

Table 4: Number of confirmed cases of COVID-19 notified to midnight March 22nd 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	0.7	0	0	.	.
5-14	2	0.7	1	2.8	.	.
15-24	15	5.4	0	0	.	.
25-34	36	13.0	2	5.6	.	.
35-44	26	9.4	3	8.3	.	.
45-54	52	18.8	10	27.8	.	.
55-64	43	15.5	8	22.2	.	.
65+	101	36.5	12	33.3	.	.
Total	277	100	36	100	6	0.6

Data source: CIDR as of 24/03/2020 13:05

Table 5: Number of confirmed cases of COVID-19 notified to midnight March 22nd 2020 in healthcare workers by HSE-area and travel status

HSE-area	Foreign travel	No foreign travel	Not specified	Total
E	31	111	16	158
M	3	12	0	15
MW	1	2	2	5
NE	2	1	0	3
NW	2	1	0	3
SE	2	0	4	6
S	13	19	6	38
W	8	10	1	19
Total	62	156	29	247

Data source: CIDR as of 24/03/2020 13:05

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Of the 247 cases who were healthcare workers, 63% 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 22nd 2020 by location and HSE-area

Location	E	M	MW	NE	NW	SE	S	W	Total
Travel related			4	4		1	2	2	13
Hospital	2	1		1			1	1	6
Extended family	1					3	1		5
Private house	1	2		1		2	1	3	10
Nursing home	4								4
Workplace	1					1			2
Other			1	1	1				3
Not Specified							1		1
Total	9	3	5	7	1	7	6	6	44

Data source: CIDR as of 24/03/2020 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.