



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 28/03/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 28th March 2020 13:05 for events created on CIDR up to midnight Thursday, 26th March, 2020

Total number of confirmed cases	1,904	
Number of new cases 26 th March	265	
Total number hospitalised	489	25.7
Total number admitted to ICU	67	
Total number of deaths	33	
Case Fatality Ratio (CFR %)	1.7	
Total number of outbreaks/clusters	91	
Total number cases associated with clusters	351	18.4
Total number of imported cases	254	13.3
Number of cases in HCW	445	
Median age (years)	46	
Age range (years)	0-96	

Confirmed cases

In total, 1,904 confirmed cases of COVID-19 were notified in Ireland **before midnight March 26th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

Ninety one outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 26th 2020**.

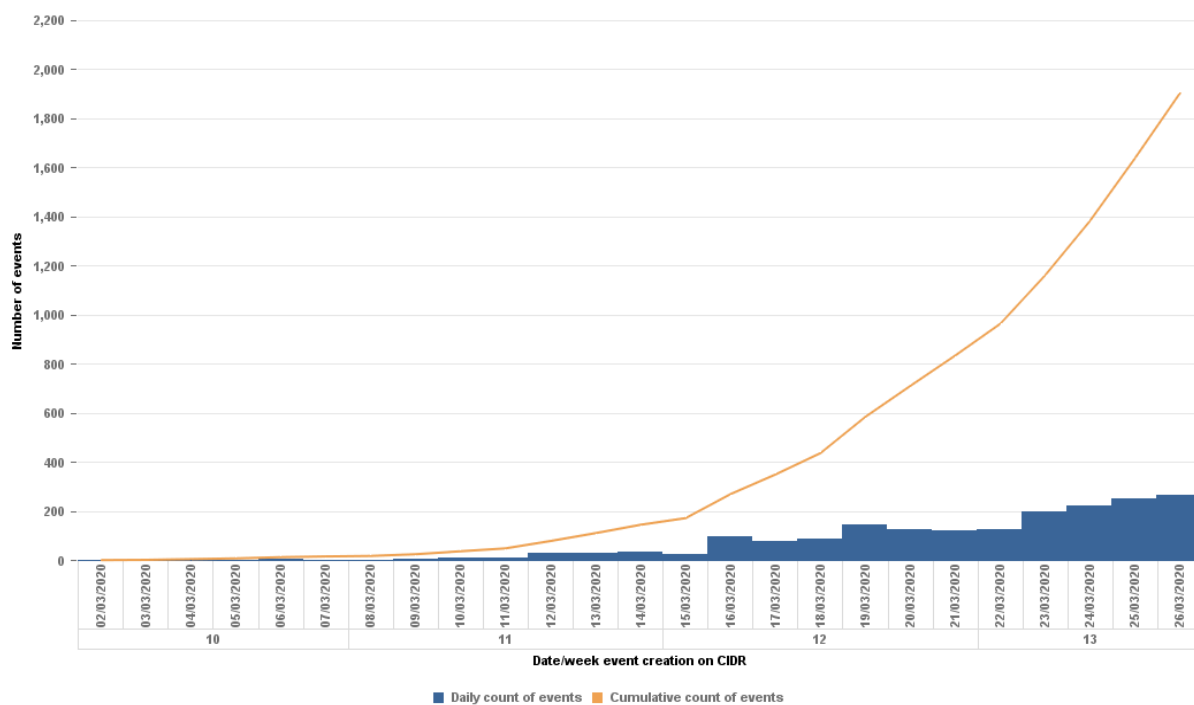


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 26th 2020

Data source: CIDR as of 28/03/2020 13:05

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 26th 2020, Ireland

	Count of Events	%
Total	1904	100.0
Sex		
Female	888	46.6
Male	1010	53.1
Unknown	6	0.3
Age group (years)		
<1	4	0.2
1-4	10	0.5
5-14	25	1.3
15-24	136	7.1
25-34	358	18.8
35-44	353	18.5
45-54	368	19.3
55-64	271	14.2
65+	373	19.6
Unknown	6	0.3
HSE area		
HSE East	1184	62.2
HSE Midlands	90	4.7
HSE Mid-West	111	5.8
HSE North-East	87	4.6
HSE North-West	28	1.5
HSE South-East	81	4.3
HSE South	231	12.1
HSE West	92	4.8

Data source: CIDR as of 28/03/2020 13:05

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight March 26th 2020, Ireland

	Count of events	%
Algeria	1	0.1
Andorra	4	0.2
Austria	48	2.5
Brazil	1	0.1
Bulgaria	2	0.1
Czech Republic	1	0.1
Ecuador	1	0.1
Finland	1	0.1
France	18	1.0
Germany	1	0.1
Hungary	1	0.1
Indonesia	1	0.1
Ireland	1050	55.1
Italy	61	3.2
Netherlands	4	0.2
Philippines	1	0.1
Poland	1	0.1
Portugal	2	0.1
Singapore	2	0.1
Spain	26	1.4
Sri Lanka	1	0.1
Sweden	1	0.1
Switzerland	7	0.4
United Kingdom	63	3.3
United States	5	0.3
Unknown	600	31.6
Total	1904	100.0

Data source: CIDR as of 28/03/2020 13:05

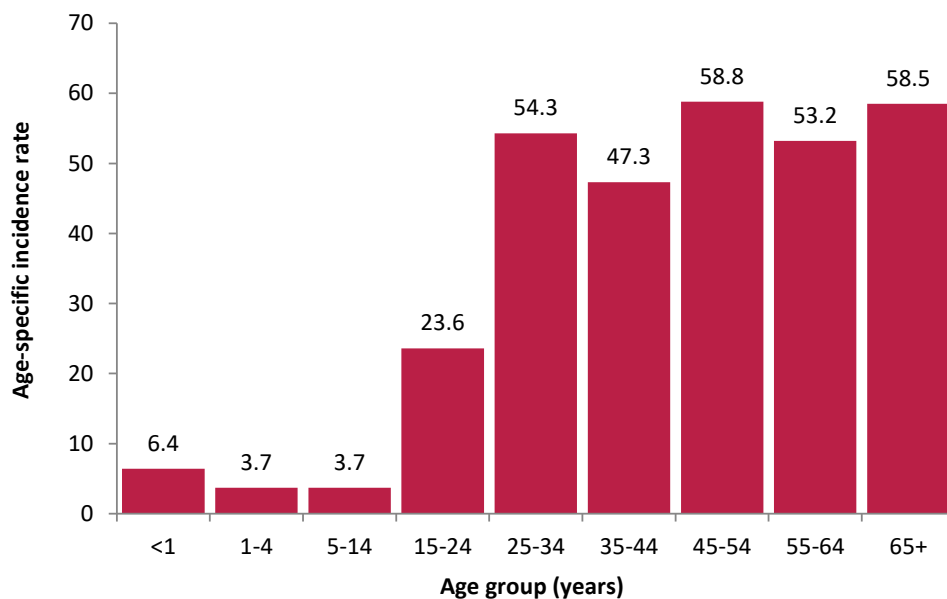


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 26th 2020, Ireland

Data source: CIDR as of 28/03/2020 13:05

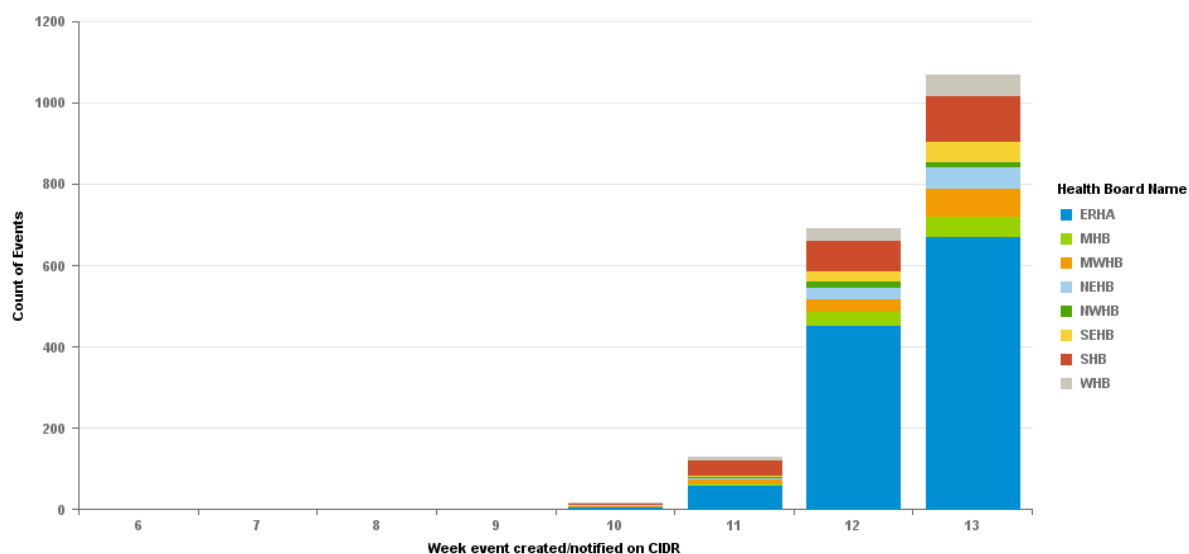


Figure 3: Confirmed cases of COVID-19 notified to midnight March 26th 2020, by HSE Area and week of notification

Data source: CIDR as of 28/03/2020 13:05

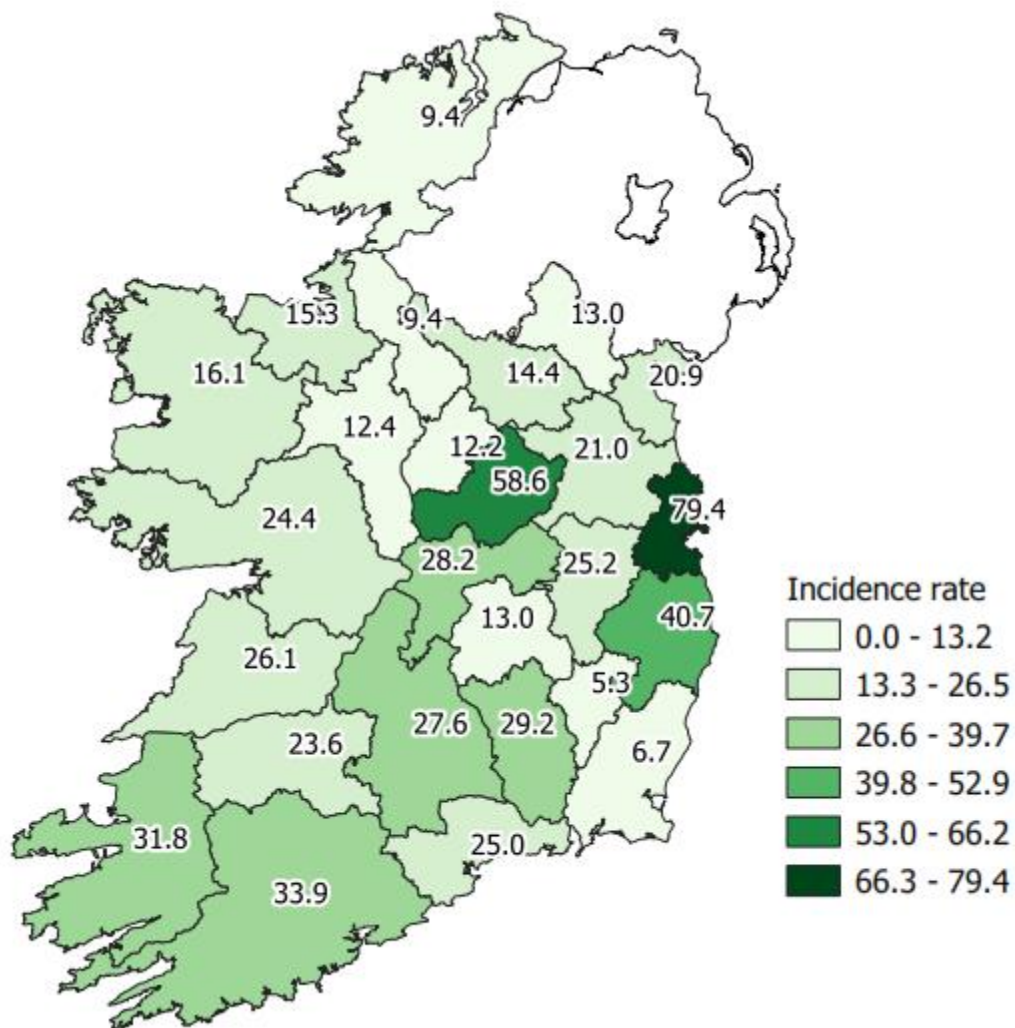


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 26th 2020 by county, Ireland

Data source: CIDR as of 28/03/2020 13:05

Table 3: Number of confirmed cases of COVID-19 notified to midnight March 26th 2020 by County

County Name	Count of Events	%
Carlow	3	0.2
Cavan	11	0.6
Clare	31	1.6
Cork	184	9.7
Donegal	15	0.8
Dublin	1070	56.2
Galway	63	3.3
Kerry	47	2.5
Kildare	56	2.9
Kilkenny	29	1.5
Laois	11	0.6
Leitrim	3	0.2
Limerick	46	2.4
Longford	5	0.3
Louth	27	1.4
Mayo	21	1.1
Meath	41	2.2
Monaghan	8	0.4
Offaly	22	1.2
Roscommon	8	0.4
Sligo	10	0.5
Tipperary	44	2.3
Waterford	29	1.5
Westmeath	52	2.7
Wexford	10	0.5
Wicklow	58	3.0
Total	1904	100.0

Data source: CIDR as of 28/03/2020 13:05

Table 4: Number of confirmed COVID-19 cases notified to midnight March 26th 2020 by transmission classification, Ireland

Transmission classification*	Number of events	%
Community transmission	476	25.0
Possible community transmission	42	2.2
Local transmission	220	11.6
Possible local transmission	5	0.3
Travel abroad	253	13.3
Unknown	908	47.7
Total	1904	100.0

* 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 28/03/2020 13:05

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight March 26th 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)	Case that died (%)
<5	14	3	0.6	0	0.0	0	0.0
5 - 14	25	3	0.6	1	1.5	0	0.0
15-24	136	18	3.7	0	0.0	0	0.0
25-34	358	48	9.8	3	4.5	1	3.0
35-44	353	45	9.2	6	9.0	1	3.0
45-54	368	85	17.4	18	26.9	1	3.0
55-64	271	76	15.5	15	22.4	1	3.0
65+	373	210	42.9	24	35.8	29	87.9
Unk	6	1	0.2	0	0.0	0	0.0
Total	1904	489	100.0	67	100.0	33	100.0

Data source: CIDR as of 28/03/2020 13:05

Table 6: Number of confirmed cases of COVID-19 notified to midnight March 26th 2020 in healthcare workers by HSE-area and travel status

HSE-area	Foreign travel	No foreign travel	Not specified	Total
East	42	203	25	270
Midlands	3	14	4	21
Midwest	6	8	7	21
Northeast	2	2	3	7
Northwest	5	3	0	8
Southeast	5	1	19	25
South	14	24	23	61
West	8	13	11	32
Total	85	268	92	445

Data source: CIDR as of 28/03/2020 13:05

Of the 445 cases who were healthcare workers, 60% had no history of foreign travel in the 14 days prior to onset of symptoms.

Table 7: Number of clusters/outbreaks COVID-19 notified to midnight March 26th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Private house	2	1		2	1	3	2	9	20	22.0
Nursing Home	16			1					17	18.7
Travel related			4	4	2	1	3	2	16	17.6
Hospital	10	1		1			2	2	16	17.6
Extended family	2					3	1		6	6.6
Other	1		1	1					3	3.3
Residential institution	2							1	3	3.3
Workplace	1					1	2	1	5	5.5
Not Specified							2		2	2.2
Comm. Hosp/Long-stay unit	1								1	1.1
Community outbreak		1							1	1.1
Hotel							1		1	1.1
Total	35	3	5	9	3	8	13	15	91	100.0

Data source: CIDR as of 28/03/2020 13:05

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.