



Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 30/03/2020 for NPHE

Note: Data are provisional

Summary

This report includes data as of 30th March 2020 11:30 for events created on CIDR up to midnight Saturday 28th March 2020

Characteristic	Number	%
Total number of confirmed cases	2475	
Number of new cases 28 th March	260	10.5
Total number hospitalised	645	26.1
Total number admitted to ICU	84	3.4
Total number of deaths	44	1.8
Total number of outbreaks/clusters	111	-
Total number cases associated with clusters	428	17.3
Total number of imported cases	275	11.1
Number of cases in Healthcare workers	578	23.4
Median age (years)	47	-
Age range (years)	0 - 96	-

Confirmed cases

In total, 2,475 confirmed cases of COVID-19 were notified in Ireland **before midnight March 28th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

One hundred and eleven outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 28th 2020**.

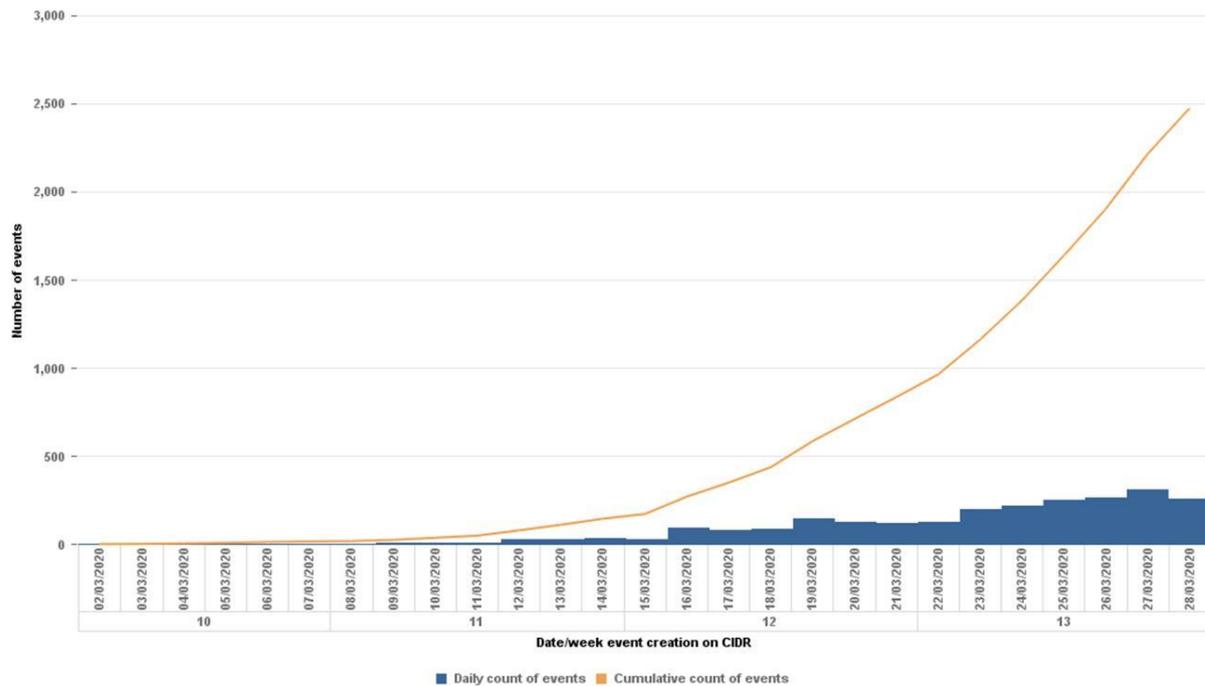


Figure 1: Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 28th 2020

Data source: CIDR as of 30/03/2020 11:30

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 28th 2020, Ireland

Characteristic	Count of Events	%
Total	2475	100.0
Sex		
Female	1206	48.7
Male	1240	50.1
Unknown	29	1.2
Age group (years)		
<1	4	0.2
1-4	11	0.4
5-14	29	1.2
15-24	171	6.9
25-34	448	18.1
35-44	467	18.9
45-54	467	18.9
55-64	360	14.5
65+	511	20.6
Unknown	7	0.3
HSE area		
HSE East	1526	61.7
HSE Midlands	128	5.2
HSE Mid-West	145	5.9
HSE North-East	122	4.9
HSE North-West	61	2.5
HSE South-East	101	4.1
HSE South	277	11.2
HSE West	115	4.6

Data source: CIDR as of 30/03/2020 11:30

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight March 28th 2020, Ireland

Country of infection	Number of cases	%
Algeria	1	0
Andorra	4	0.2
Argentina	1	0
Austria	49	2
Brazil	1	0
Bulgaria	3	0.1
Czech Republic	1	0
Ecuador	1	0
Finland	1	0
France	20	0.8
Germany	2	0.1
Hungary	1	0
Indonesia	1	0
Ireland	1303	52.6
Italy	61	2.4
Netherlands	5	0.2
Philippines	1	0
Poland	1	0
Portugal	2	0.1
Singapore	2	0.1
Spain	28	1.1
Sri Lanka	1	0
Sweden	1	0
Switzerland	7	0.3
Thailand	1	0
United Kingdom	72	2.9
United States	7	0.3
Unknown	897	36.3
Total	2475	100.0

Data source: CIDR as of 30/03/2020 11:30

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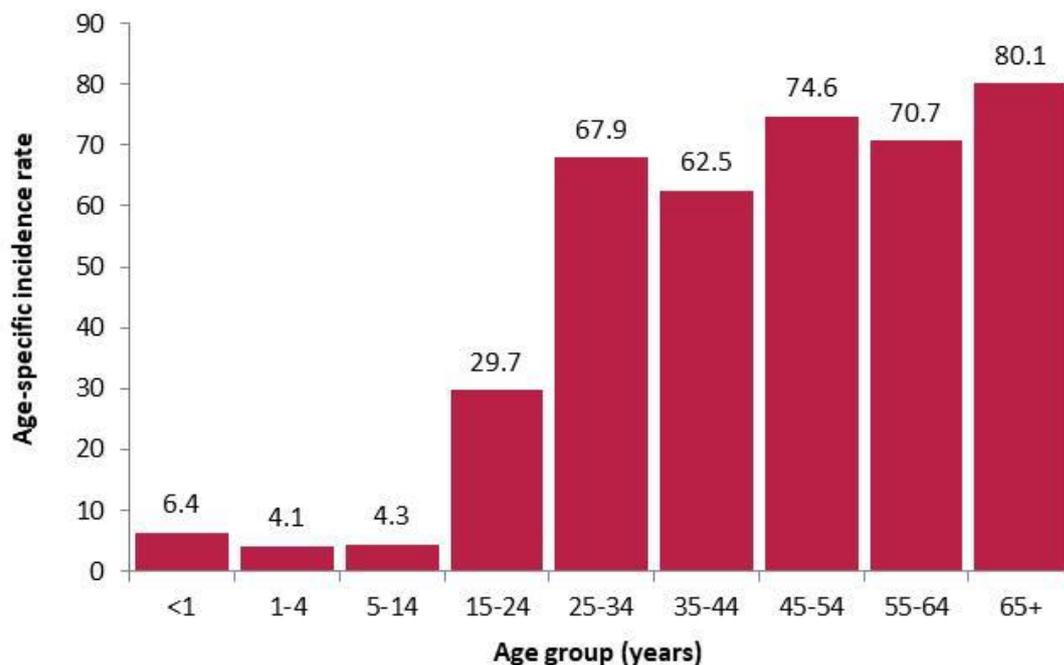


Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 28th 2020, Ireland

Data source: CIDR as of 30/03/2020 11:30, rates are calculated using the 2016 census (www.cso.ie)

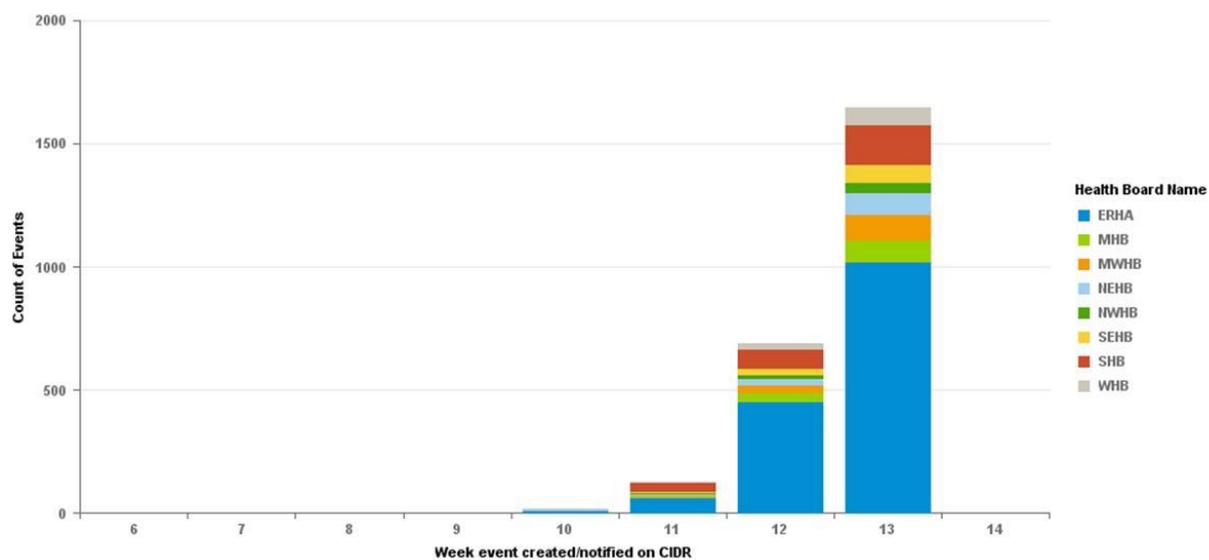


Figure 3: Confirmed cases of COVID-19 notified to midnight March 28th 2020, by HSE Area and week of notification

Data source: CIDR as of 30/03/2020 11:30

Note: Data are provisional

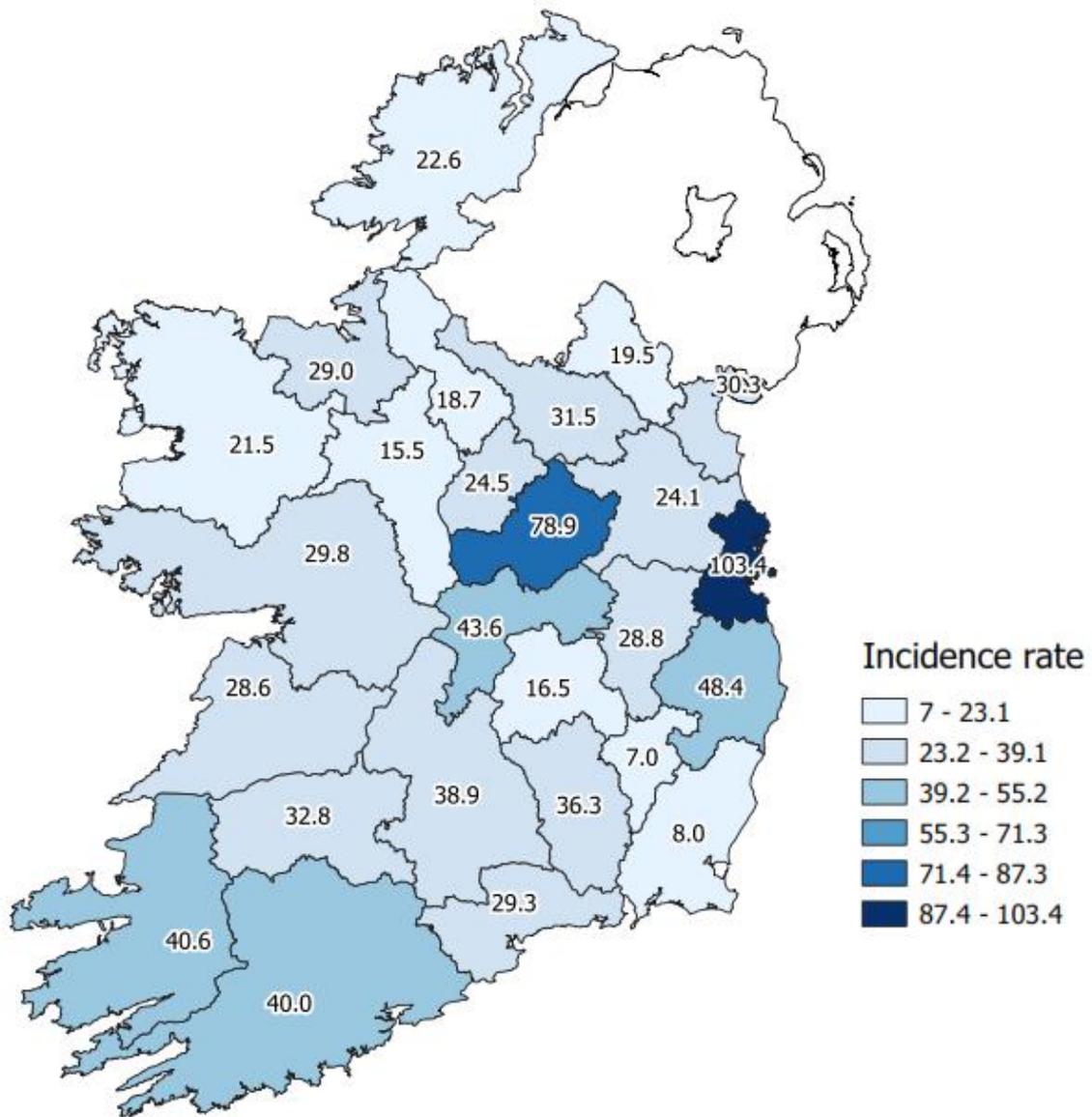


Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 28th 2020 by county, Ireland

Data source: CIDR as of 30/03/2020 11:30, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight March 28th 2020 by County

County Name	Number of cases	%
Carlow	4	0.2
Cavan	24	1.0
Clare	34	1.4
Cork	217	8.8
Donegal	36	1.5
Dublin	1393	56.3
Galway	77	3.1
Kerry	60	2.4
Kildare	64	2.6
Kilkenny	36	1.5
Laois	14	0.6
Leitrim	6	0.2
Limerick	64	2.6
Longford	10	0.4
Louth	39	1.6
Mayo	28	1.1
Meath	47	1.9
Monaghan	12	0.5
Offaly	34	1.4
Roscommon	10	0.4
Sligo	19	0.8
Tipperary	62	2.5
Waterford	34	1.4
Westmeath	70	2.8
Wexford	12	0.5
Wicklow	69	2.8
Total	2475	100.0

Data source: CIDR as of 30/03/2020 11:30

Table 4: Number of confirmed COVID-19 cases notified to midnight March 28th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	536	21.7
Possible community transmission	51	2.1
Local transmission	305	12.3
Possible local transmission	7	0.3
Travel abroad	275	11.1
Unknown	1301	52.6
Total	2475	100

* 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 30/03/2020 11:30

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight March 28th 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	15	3	0.5	0	0.0	0	0
5 - 14	29	3	0.5	1	1.2	0	0
15-24	171	21	3.3	0	0.0	0	0
25-34	448	57	8.8	4	4.8	1	2.3
35-44	467	61	9.5	7	8.3	1	2.3
45-54	467	107	16.6	21	25.0	1	2.3
55-64	360	101	15.7	20	23.8	3	6.8
65+	511	290	45.0	31	36.9	38	86.4
Unknown	7	2	0.3	0	0	0	0
Total	2475	645	100.0	84	100	44	100

Data source: CIDR as of 30/03/2020 11:30

Table 6: Number of confirmed cases of COVID-19 notified to midnight March 28th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	30	286	21	337
HSE Midlands	2	18	6	26
HSE Mid-West	6	31	1	38
HSE North-East	2	7	0	9
HSE North-West	4	3	5	12
HSE South-East	2	0	31	33
HSE South	13	49	20	82
HSE West	2	32	7	41
Total	61	426	91	578

Data source: CIDR as of 30/03/2020 11:30

Of the 578 cases who were healthcare workers, 74% 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 28th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Private house	2	1		3	1	5	2	10	24	21.6
Nursing home	21			2					23	20.7
Hospital	12	2		2			3	2	21	18.9
Travel related			4	4	2	1	3	2	16	14.4
Extended family	2				2	3	1		8	7.2
Residential institution	4							1	5	4.5
Workplace	1					1	2	1	5	4.5
Community outbreak		2							2	1.8
Comm. Hosp/Long-stay unit	1								1	0.9
Hotel							1		1	0.9
Public house							1		1	0.9
Other	1		1	1					3	2.7
Not Specified							1		1	0.9
Total	44	5	5	12	5	10	14	16	111	100

Data source: CIDR as of 30/03/2020 11:30

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.