Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 29/03/2020 for NPHET

Note: Data are provisional

Summary

This report includes data as of 29th March 2020 13:05 for events created on CIDR up to midnight Friday, 27th March 2020

Characteristic	Number	%
Total number of confirmed cases	2216	
Number of new cases 27th March	312	14.1
Total number hospitalised	564	25.5
Total number admitted to ICU	77	3.5
Total number of deaths	43	1.9
Total number of outbreaks/clusters	103	-
Total number cases associated with clusters	379	17.1
Total number of imported cases	262	11.8
Number of cases in Healthcare workers	506	22.8
Median age (years)	47	-
Age range (years)	0 - 96	-

Confirmed cases

In total, 2,216 confirmed cases of COVID-19 were notified in Ireland **before midnight March 27th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).

Outbreaks/Clusters

One hundred and three outbreaks/clusters of COVID-19 were notified on CIDR **before midnight March 27th 2020.**
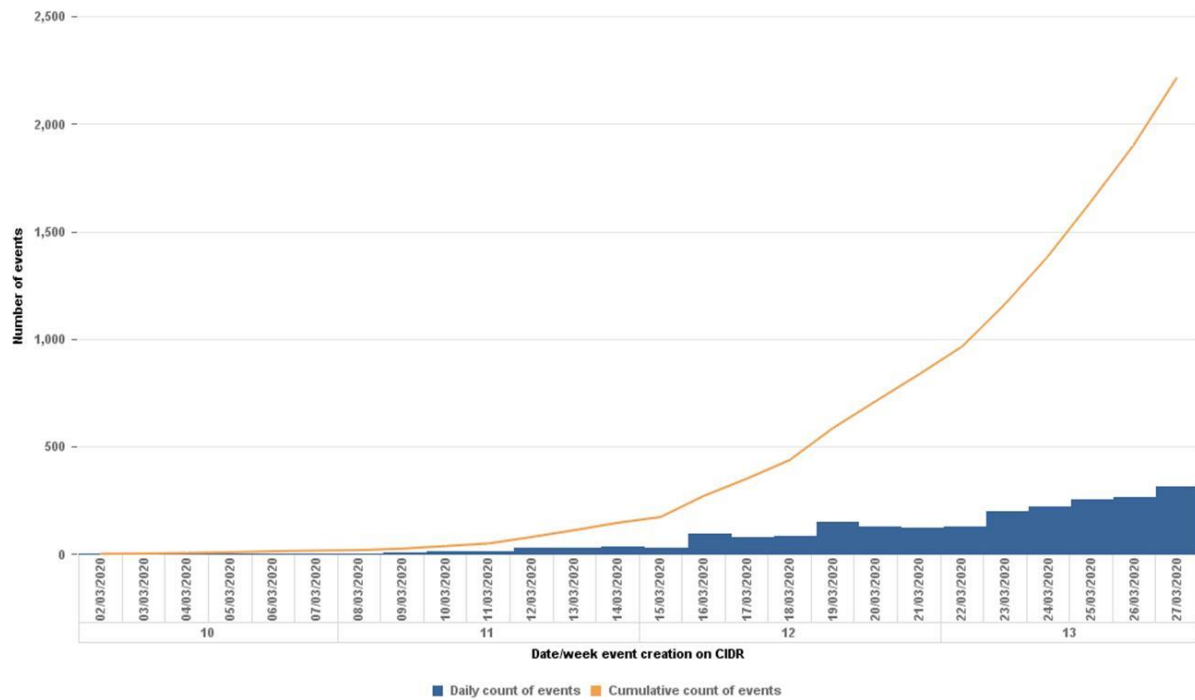

Figure 1: **Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight March 27th 2020**

Data source: CIDR as of 29/03/2020 13:05

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight March 27th 2020, Ireland

Characteristic	Number of cases	%
Total	2216	100.0
Sex		
Female	1060	47.8
Male	1140	51.5
Unknown	16	0.7
Age group (years		
<1	4	0.2
1-4	11	0.5
5-14	29	1.3
15-24	155	7.0
25-34	408	18.4
35-44	416	18.8
45-54	432	19.5
55-64	314	14.2
65+	441	19.9
Unknown	6	0.3
HSE area		
HSE East	1359	61.3
HSE Midlands	120	5.4
HSE Mid-West	128	5.8
HSE North-East	110	5.0
HSE North-West	41	1.9
HSE South-East	93	4.2
HSE South	261	11.8
HSE West	104	4.7

Data source: CIDR as of 29/03/2020 13:05

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight March 27th 2020, Ireland

Country of infection	Number of cases	%
Algeria	1	0
Andorra	4	0.2
Austria	48	2.2
Brazil	1	0
Bulgaria	2	0.1
Czech Republic	1	0
Ecuador	1	0
Finland	1	0
France	20	0.9
Germany	1	0
Hungary	1	0
Indonesia	1	0
Ireland	1163	52.5
Italy	61	2.8
Netherlands	5	0.2
Philippines	1	0
Poland	1	0
Portugal	2	0.1
Singapore	2	0.1
Spain	27	1.2
Sri Lanka	1	0
Sweden	1	0
Switzerland	7	0.3
United Kingdom	67	3
United States	5	0.2
Unknown	791	35.7
Total	**2216**	**100.0**

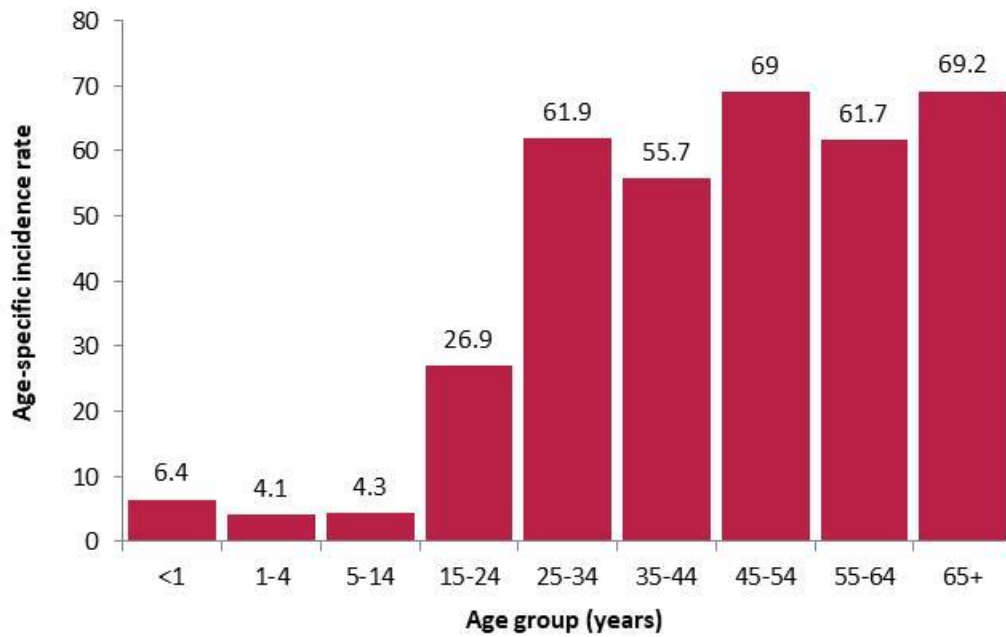Data source: CIDR as of 29/03/2020 13:05

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight March 27th 2020, Ireland
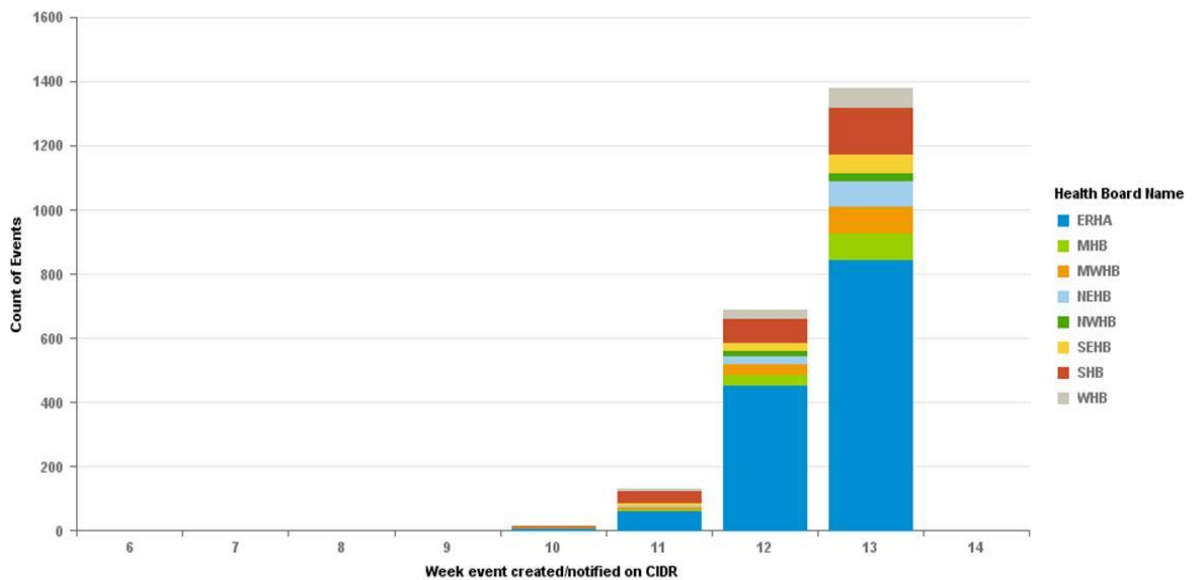
Data source: CIDR as of 29/03/2020 13:05

Figure 3: Confirmed cases of COVID-19 notified to midnight March 27th 2020, by HSE Area and week of notification

Data source: CIDR as of 29/03/2020 13:05

Figure 4: Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight March 27th 2020 by county, Ireland

Data source: CIDR as of 29/03/2020 13:05

Table 3: Number of confirmed cases of COVID-19 notified to midnight March 27th 2020 by County

County Name	Number of cases	%
Carlow	3	0.1
Cavan	19	0.9
Clare	34	1.5
Cork	208	9.4
Donegal	24	1.1
Dublin	1233	55.6
Galway	68	3.1
Kerry	53	2.4
Kildare	61	2.8
Kilkenny	33	1.5
Laois	14	0.6
Leitrim	5	0.2
Limerick	55	2.5
Longford	10	0.5
Louth	34	1.5
Mayo	26	1.2
Meath	46	2.1
Monaghan	11	0.5
Offaly	29	1.3
Roscommon	10	0.5
Sligo	12	0.5
Tipperary	53	2.4
Waterford	31	1.4
Westmeath	67	3.0
Wexford	12	0.5
Wicklow	65	2.9
Total	2216	100.0

Data source: CIDR as of 29/03/2020 13:05

Table 4: Number of confirmed COVID-19 cases notified to midnight March 27th 2020 by transmission classification, Ireland

Transmission classification*	Number of cases	%
Community transmission	497	22.4
Possible community transmission	49	2.2
Local transmission	254	11.5
Possible local transmission	6	0.3
Travel abroad	262	11.8
Unknown	1148	51.8
Total	**2216**	**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 29/03/2020 13:05

Note: Data are provisional

Table 5: Number of confirmed cases of COVID-19 notified to midnight March 27th 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	1.3	0	0
15-24	155	19	3.4	0	0.0	0	0
25-34	406	52	9.2	4	5.2	1	2.3
35-44	416	51	9.0	7	9.1	1	2.3
45-54	432	98	17.4	19	24.7	1	2.3
55-64	314	88	15.6	17	22.1	2	4.7
65+	441	249	44.1	29	37.7	38	88.4
Unk	8	1	0.2	0	0	0	0
Total	**2216**	**564**	**100.0**	**77**	**100**	**43**	**100**

Data source: CIDR as of 29/03/2020 13:05

Table 6: Number of confirmed cases of COVID-19 notified to midnight March 27th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	42	224	26	292
HSE Midlands	3	15	6	24
HSE Mid-West	6	10	12	28
HSE North-East	2	3	4	9
HSE North-West	5	4		9
HSE South-East	5	1	26	32
HSE South	14	32	30	76
HSE West	7	13	16	36
Total	**84**	**302**	**120**	**506**

Data source: CIDR as of 29/03/2020 13:05

Of the 506 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 27th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	20			2					22	21.4
Private house	2	1		3	1	4	2	9	22	21.4
Hospital	12	1		2			2	2	19	18.4
Travel related			4	4	2	1	3	2	16	15.5
Extended family	2				1	3	1		7	6.8
Workplace	1					1	2	1	5	4.9
Residential institution	3							1	4	3.9
Comm. Hosp/Long-stay unit	1								1	1.0
Community outbreak		1							1	1.0
Hotel							1		1	1.0
Public house							1		1	
Other	1		1	1					3	2.9
Not Specified							1		1	1.0
Total	**42**	**3**	**5**	**12**	**4**	**9**	**13**	**15**	**103**	**100**

Data source: CIDR as of 29/03/2020 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.