Epidemiology of COVID-19 in Ireland

Report prepared by HPSC on 14/04/2020 for NPHET

Note: Data are provisional

Summary

This report includes data as of 14th April 2020 at 9:30 am for events created on CIDR up to midnight Sunday 12th April 2020.

Characteristic	Number	%
Total number of confirmed cases	10,385	
Number of new cases April 12th	901	8.7
Total number hospitalised	1,903	18.3
Total number admitted to ICU*	275	2.6
Total number of deaths	395	3.8
Total number of outbreaks/clusters	408	-
Total number cases associated with clusters	1,999	19.2
Total number of imported cases	344	3.3
Number of cases in Healthcare workers	2,707	26.1
Median age (years)	48	-
Age range (years)	0 - 106	-

*Total COVID-19 admissions to ICU **before midnight April 12th 2020**

Confirmed cases

In total, 10,385 confirmed cases of COVID-19 were notified in Ireland **before midnight April 12th 2020**, with the first cases reported in Week 10 2020, week ending 07/03/2020 (Figure 1).
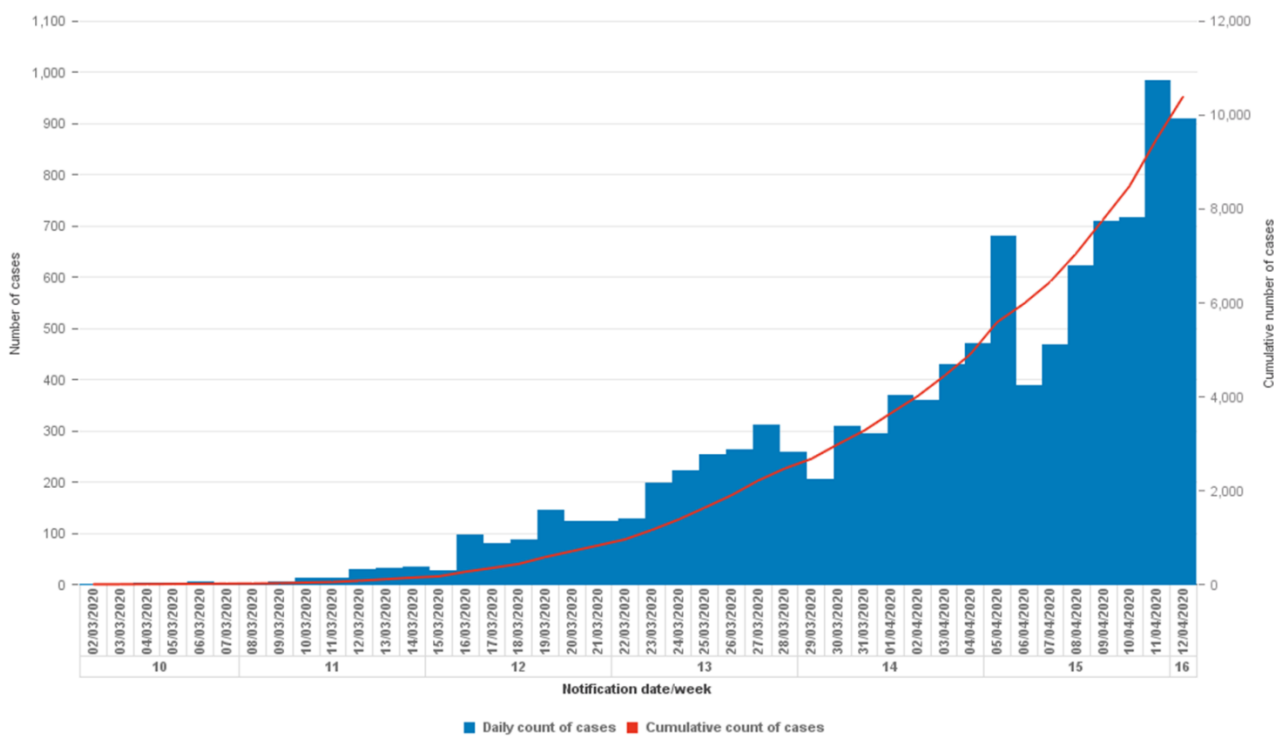

Figure 1: **Number and cumulative number of confirmed COVID-19 cases notified in Ireland to midnight April 12th 2020**
Data source: CIDR as of 14/04/2020 9:30

Outbreaks/Clusters

There were 408 outbreaks/clusters of COVID-19 notified on CIDR **before midnight April 12th 2020.**

Table 1: Characteristics of confirmed COVID-19 cases notified as of midnight April 12th 2020, Ireland

Characteristic	Number of cases	%
Total	10,385	100
Sex		
Female	5629	54.2
Male	4617	44.5
Unknown	139	1.3
Age group (years		
<1	22	0.2
1-4	34	0.3
5-14	81	0.8
15-24	674	6.5
25-34	1805	17.4
35-44	1927	18.6
45-54	1983	19.1
55-64	1522	14.7
65+	2316	22.3
Unknown	21	0.2
HSE area		
HSE East	6198	59.7
HSE Midlands	537	5.2
HSE Mid-West	525	5.1
HSE North-East	918	8.8
HSE North-West	352	3.4
HSE South-East	390	3.8
HSE South	999	9.6
HSE West	466	4.5

Data source: CIDR as of 14/04/2020 9:30

Table 2: Country of Infection of confirmed COVID-19 cases notified as of midnight April 12th 2020, Ireland

Country of infection	Number of cases	% of cases
Ireland	6807	65.5
Other than Ireland	344	3.3
Unknown	3,234	31.1
Total	**10385**	**100**

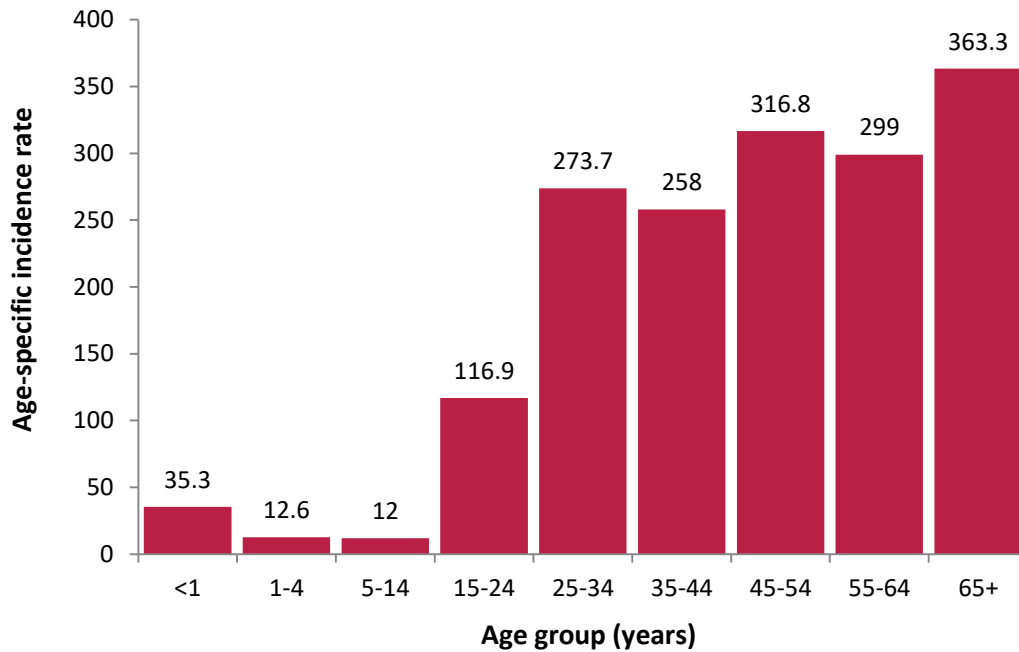Data source: CIDR as of 14/04/2020 9:30

Figure 2: Age-specific incidence rates of confirmed cases of COVID-19 notified to midnight April 12th 2020, Ireland

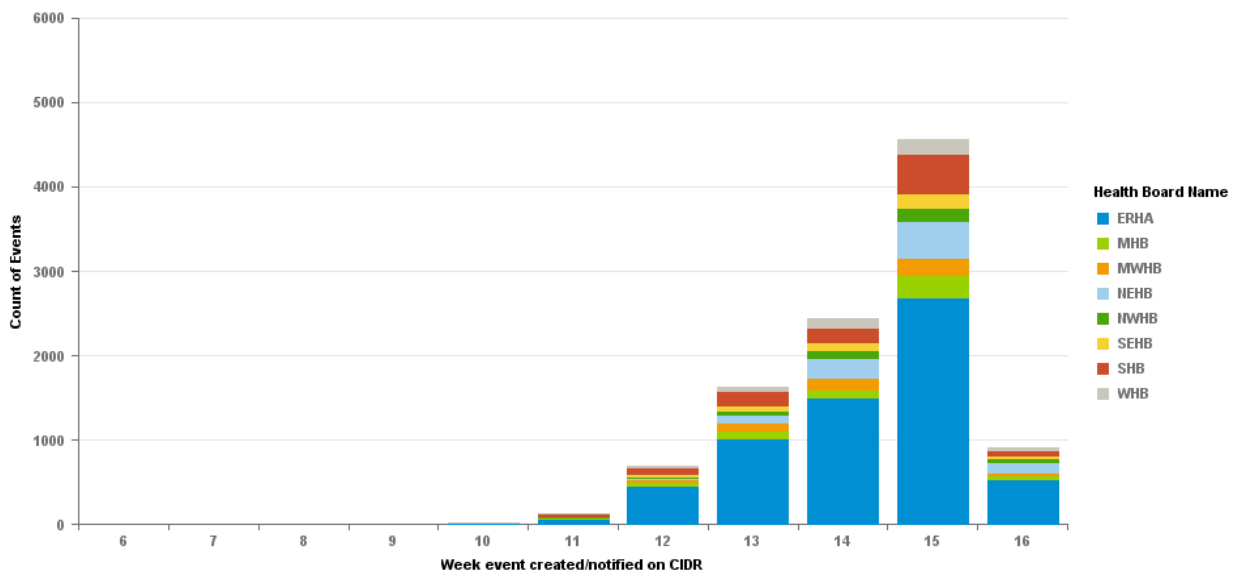Data source: CIDR as of 14/04/2020 9:30, rates are calculated using the 2016 census (www.cso.ie)

Figure 3: Confirmed cases of COVID-19 notified to midnight April 12th 2020, by HSE Area and week of notification

Data source: CIDR as of 14/04/2020 9:30
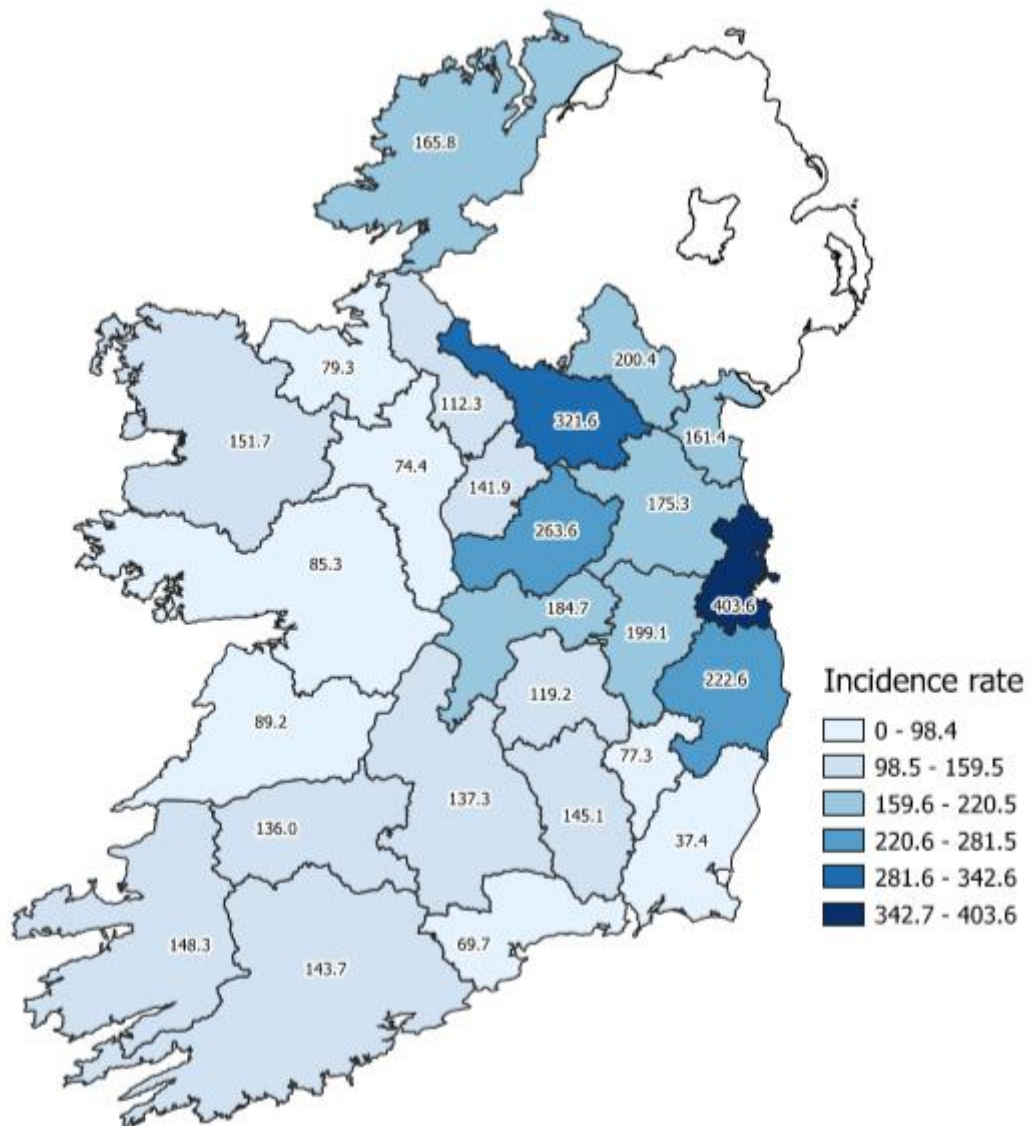
Note: Data are provisional

Figure 4: **Cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 notified to midnight April 12th 2020 by county, Ireland**

Please do not directly compare county shades to previous maps. The numbers of cases by county are increasing and as such the categories listed will broaden which may result in changes to the map shading.

Data source: CIDR as of 14/04/2020 9:30, rates are calculated using the 2016 census (www.cso.ie)

Table 3: Number of confirmed cases of COVID-19 notified to midnight April 12th 2020 by county

County Name	Number of cases	%
Carlow	44	0.4
Cavan	245	2.4
Clare	106	1.0
Cork	780	7.5
Donegal	264	2.5
Dublin	5438	52.4
Galway	220	2.1
Kerry	219	2.1
Kildare	443	4.3
Kilkenny	144	1.4
Laois	101	1.0
Leitrim	36	0.3
Limerick	265	2.6
Longford	58	0.6
Louth	208	2.0
Mayo	198	1.9
Meath	342	3.3
Monaghan	123	1.2
Offaly	144	1.4
Roscommon	48	0.5
Sligo	52	0.5
Tipperary	219	2.1
Waterford	81	0.8
Westmeath	234	2.3
Wexford	56	0.5
Wicklow	317	3.1
Total	**10385**	**100**

Data source: CIDR as of 14/04/2020 9:30

Table 4: Number of confirmed cases of COVID-19 notified to midnight April 12th 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)	Cases that died (%)
<5	56	12	0.6	0	0	0	0
5 - 14	81	5	0.3	1	0.4	0	0
15-24	674	43	2.3	3	1.1	0	0
25-34	1805	127	6.7	9	3.3	3	0.8
35-44	1927	154	8.1	18	6.5	8	2.0
45-54	1983	278	14.6	64	23.3	7	1.8
55-64	1522	293	15.4	74	26.9	18	4.6
65+	2316	989	52.0	106	38.5	359	90.9
Unknown	21	2	0.1	0	0	0	0
Total	**10385**	**1903**	**100**	**275**	**100**	**395**	**100**

Data source: CIDR as of 14/04/2020 9:30

Of the 10,385 laboratory confirmed cases of COVID-19, 395 had died, giving a case fatality rate of 3.8%. Of the patients who were hospitalised, 15% were admitted to ICU.

Table 5: Number of confirmed cases of COVID-19 notified to midnight April 12th 2020 in healthcare workers by HSE-area and travel status

HSE area	Foreign travel	No foreign travel	Not specified	Total
HSE East	69	1529	71	1669
HSE Midlands	6	113	52	171
HSE Mid-West	12	60	53	125
HSE North-East	2	17	145	164
HSE North-West	8	31	54	93
HSE South-East	5	3	116	124
HSE South	21	104	77	202
HSE West	7	74	78	159
Total	**130**	**1931**	**646**	**2707**

Data source: CIDR as of 14/04/2020 9:30

Of the 2,707 cases who were healthcare workers, 71% had no history of foreign travel in the 14 days prior to onset of symptoms.

Table 6: Number of clusters/outbreaks of COVID-19 notified to midnight April 12th 2020 by location and HSE-area

Outbreak Location	E	M	MW	NE	NW	SE	S	W	Total	%
Nursing home	79	8	4	27	3	2	3	25	151	37.0
Hospital	36	2	1	8	1	2	7	3	60	14.7
Residential institution	33	8	2	2	2	1	7	3	58	14.2
Private house	2	3		8	5	8	8	17	51	12.5
Comm. Hosp/Long-stay unit	4	8			2	1	5	3	23	5.6
Travel related		3	4	4	2	1	5	2	21	5.1
Extended family	2		1		2	3	2	1	11	2.7
Workplace	2					3	5	1	11	2.7
Community outbreak	3	1	1	1					6	1.5
Public house		2					1		3	0.7
Hotel	1						1		2	0.5
Other	2		2	1			2	2	9	2.2
Not Specified	2								2	0.5
Total	**166**	**35**	**15**	**51**	**17**	**21**	**46**	**57**	**408**	**100**

Data source: CIDR as of 14/04/2020 9:30

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.