



# Epidemiology of COVID-19 in Ireland – 14 day report

Report prepared by HPSC on 06/09/2020

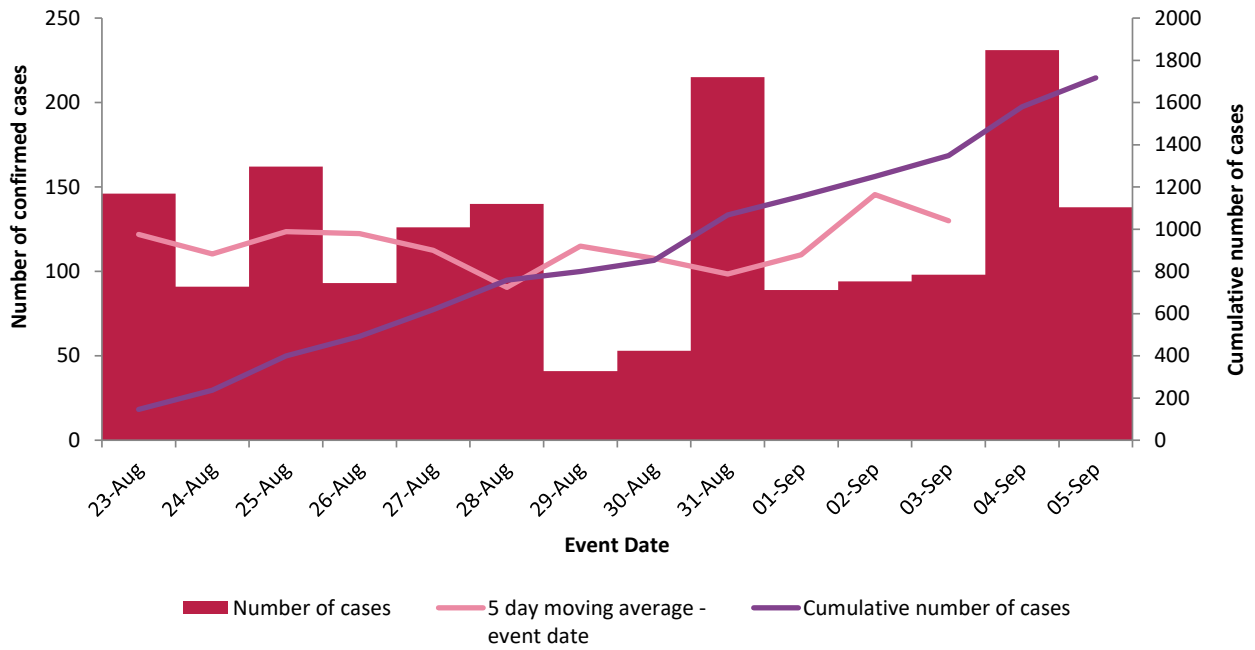
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 23/08/2020 up to midnight 05/09/2020

	Number	Percent
Total number of confirmed cases	1,717	
National incidence of confirmed cases per 100,000 population	36.06	
Number of cases hospitalised*	59	3.44
Number of cases admitted to ICU*	3	0.17
Number of deaths among confirmed cases	0	0
Case fatality ratio (CFR, %)	0	
National incidence of confirmed deaths per 100,000 population	0	
Number of cases** associated with clusters	737	42.92
Number of imported cases	37	2.15
Number of cases in healthcare workers	191	11.12
Males	873	50.84
Females	840	48.92
M:F ratio	1.04	
Median age (years)	32	
Mean age (years)	36	
Age range (years)	0 - 98	

\* The number of cases hospitalised and admitted to ICU relate only to events notified in the last 14 days and do not include cases notified prior to this and admitted to hospital or ICU in the last 14 days

\*\*Cases may be associated with outbreaks notified outside the timeframe of this report  
23/08/2020 - 05/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:12 on 06/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.



**Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=1,717)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 23/08/2020 up to midnight on 05/09/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>1,717</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1.04	
	Male	873	50.84
	Female	840	48.92
	Unknown	4	0.23
<b>Age</b>	Median age (years)	32	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	57	3.32
	5-14 yrs	141	8.21
	15-24 yrs	397	23.12
	25-34 yrs	328	19.1
	35-44 yrs	269	15.67
	45-54 yrs	227	13.22
	55-64 yrs	139	8.1
	65-74 yrs	73	4.25
	75-84 yrs	54	3.15
	85+ yrs	29	1.69
	Unknown	3	0.17
<b>Underlying clinical conditions</b>	Yes	431	25.1
	No	1,058	61.62
	Unknown	228	13.28

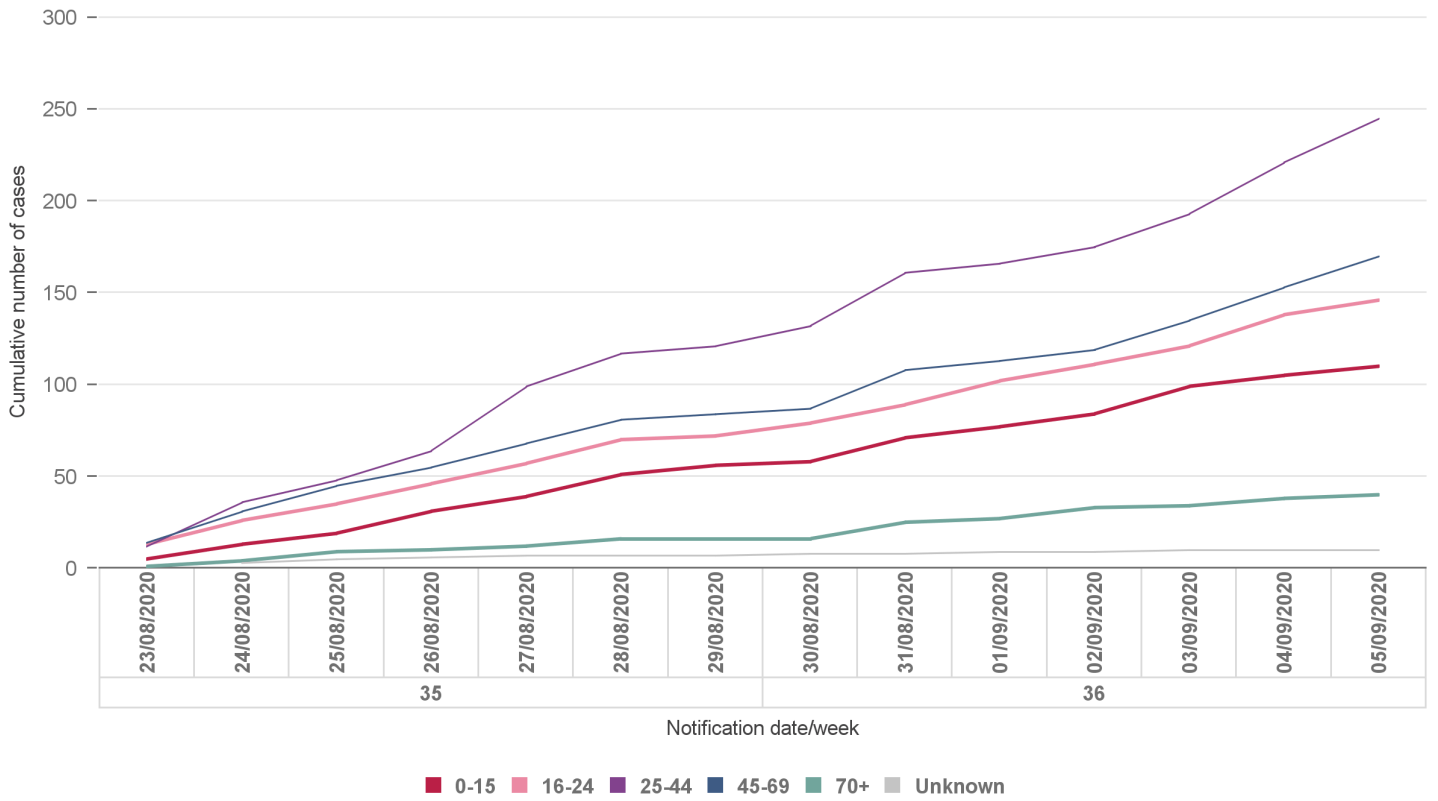


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group from 23/08/2020 to midnight 05/09/2020

**Table 2: Characteristics of confirmed COVID-19 cases by CHO notified from 23/08/2020 to midnight 05/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	85	4.95	1.36	32	6	7.06	63	74.12
CHO2	42	2.45	1.63	28	<5	7.14	21	50
CHO3	165	9.61	0.92	33	9	5.45	58	35.15
CHO4	63	3.67	1.25	30	<5	6.35	39	61.9
CHO5	202	11.76	1.15	39	8	3.96	98	48.51
CHO6	177	10.31	1.07	37	27	15.25	48	27.12
CHO7	476	27.72	0.95	37	60	12.61	194	40.76
CHO8	164	9.55	1.22	37	36	21.95	91	55.49
CHO9	343	19.98	0.92	34	38	11.08	125	36.44
<b>National</b>	<b>1,717</b>	<b>100</b>	<b>1.04</b>	<b>36</b>	<b>191</b>	<b>11.12</b>	<b>737</b>	<b>42.92</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) notified in Ireland from 23/08/2020 to midnight 05/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	85	21.7
CHO2	42	9.3
CHO3	165	42.9
CHO4	63	9.1
CHO5	202	39.6
CHO6	177	46.2
CHO7	476	67.3
CHO8	164	26.5
CHO9	343	55.4
Unknown	0	0.0
<b>Ireland</b>	<b>1717</b>	<b>36.1</b>

\* **CHO1:** Cavan, Donegal, Monaghan, Leitrim, Sligo

**CHO2:** Galway, Mayo, Roscommon

**CHO3:** Clare, Limerick, Tipperary North

**CHO4:** Cork, Kerry

**CHO5:** Carlow, Kilkenny, Tipperary South, Waterford, Wexford

**CHO6:** Dublin South East, Dun Laoghaire, Wicklow

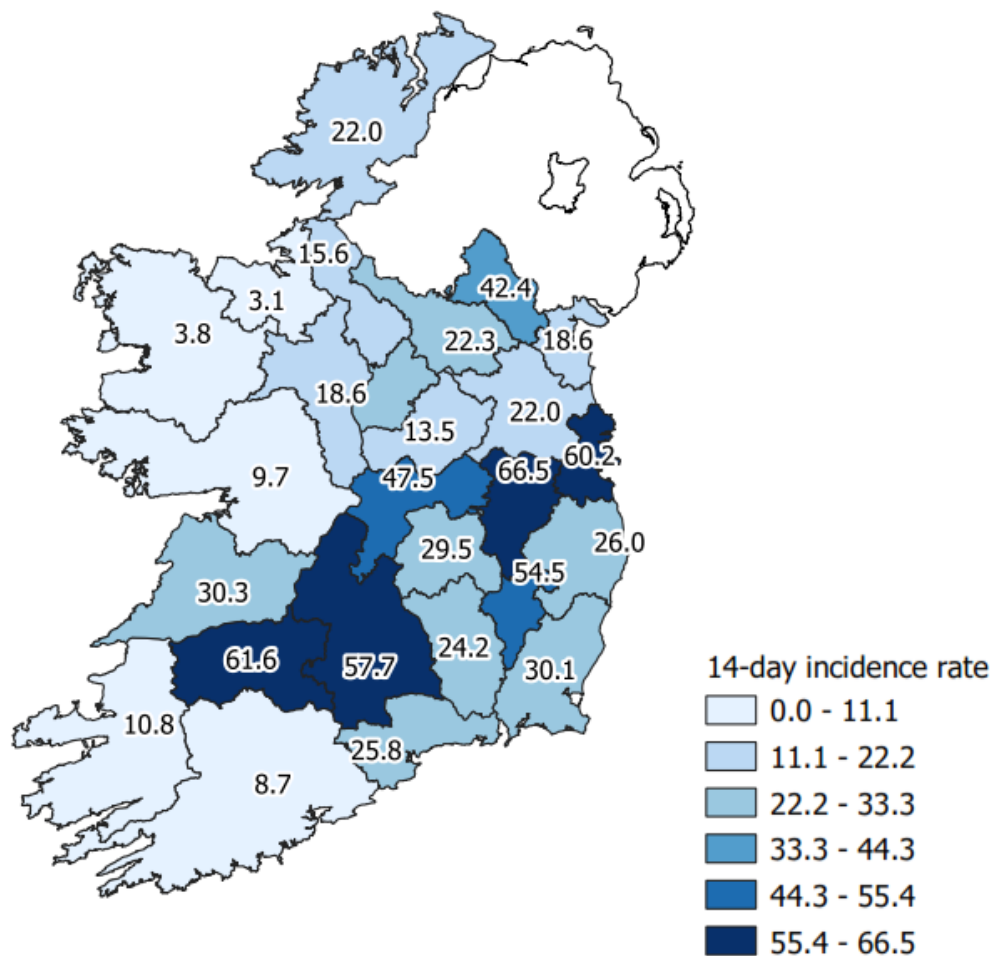
**CHO7:** Dublin South City, Dublin South West, Dublin West, Kildare/West Wicklow

**CHO8:** Laois, Longford, Louth, Meath, Offaly, Westmeath

**CHO9:** Dublin North, Dublin North Central & Dublin North West

**Table 4: Number of confirmed COVID-19 cases by county notified in Ireland from 23/08/2020 to midnight 05/09/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	31	54.5
Cavan	17	22.3
Clare	36	30.3
Cork	47	8.7
Donegal	35	22.0
Dublin	811	60.2
Galway	25	9.7
Kerry	16	10.8
Kildare	148	66.5
Kilkenny	24	24.2
Laois	25	29.5
Leitrim	5	15.6
Limerick	120	61.6
Longford	12	29.4
Louth	24	18.6
Mayo	5	3.8
Meath	43	22.0
Monaghan	26	42.4
Offaly	37	47.5
Roscommon	12	18.6
Sligo	<5	3.1
Tipperary	92	57.7
Waterford	30	25.8
Westmeath	12	13.5
Wexford	45	30.1
Wicklow	37	26.0
<b>Ireland</b>	<b>1717</b>	<b>36.1</b>



**Figure 3: Cumulative incidence rates of confirmed cases of COVID-19 per 100,000 population, by county, notified in Ireland between 23/08/2020 and midnight 05/09/2020**

*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.*

**Table 5: Number and incidence of confirmed COVID-19 cases by Dublin\* Local Health Offices (LHOs) notified in Ireland with a notification date between 23/08/2020 and 05/09/2020**

CCA	Local Health Office	Number of cases in past 14 days based on epi date	14 day incidence rates based on epi dates
CCA1	Dublin South	58	42.6
CCA2	Dublin South East	85	68.7
CCA3	Dublin South City	100	66.7
CCA4	Dublin South West	110	68.4
CCA5	Dublin West	115	74.0
CCA6	Dublin North West	130	62.6
CCA7	Dublin North Central	82	53.0
CCA8	Dublin North	131	50.5
	<b>Dublin</b>	<b>811</b>	<b>60.2</b>

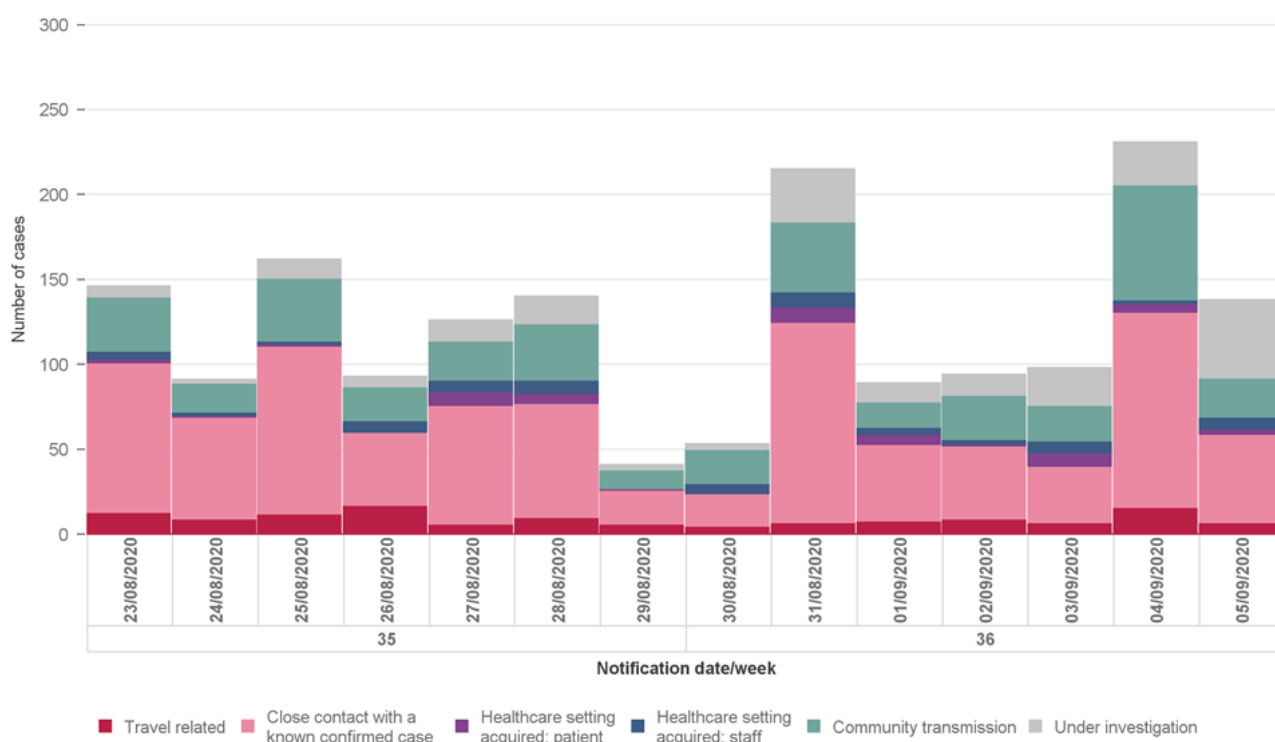
**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE Health Atlas and are not a direct match to the corresponding CCAs.



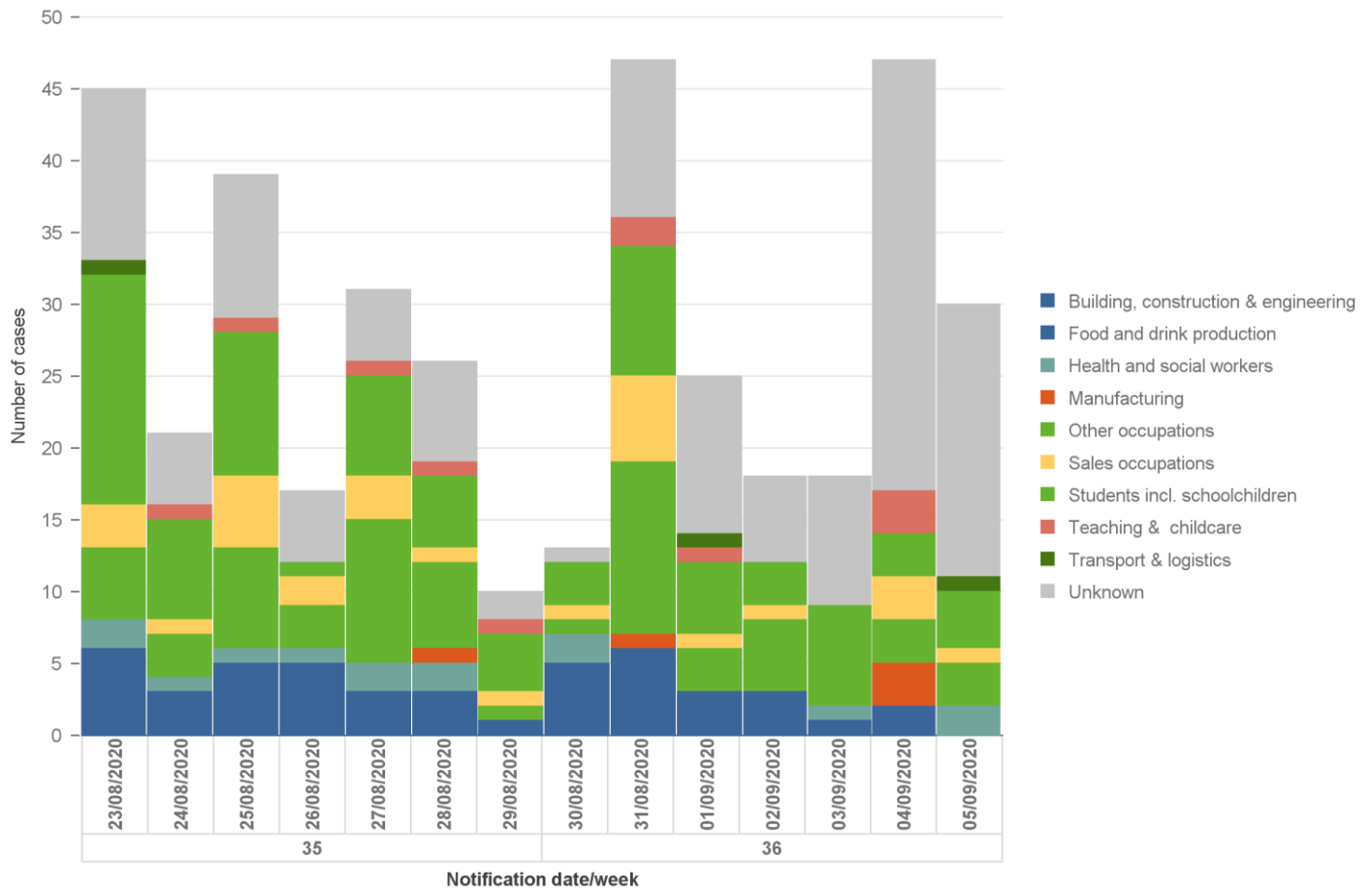
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 23/08/2020 to midnight 05/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related *	118	6.87%
Close contact with a known confirmed case	872	50.79%
Healthcare setting acquired: patient	51	2.97%
Healthcare setting acquired: staff	69	4.02%
Community transmission	387	22.54%
Under investigation	220	12.81%
<b>Total</b>	<b>1,717</b>	<b>100.00%</b>

\*Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 23/08/2020 to midnight 05/09/2020**



**Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 23/08/2020 to midnight 05/09/2020**

\*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 23/08/2020 to midnight 05/09/2020 by age group and hospital, ICU\* and vital status

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	57	2	3.39	1	33%
5-14 yrs	141	2	3.39	0	0
15-24 yrs	397	9	15.25	0	0
25-34 yrs	328	5	8.47	0	0
35-44 yrs	269	1	1.69	0	0
45-54 yrs	227	7	11.86	1	33%
55-64 yrs	139	6	10.17	1	33%
65-74 yrs	73	9	15.25	0	0
75-84 yrs	54	10	16.95	0	0
85+ yrs	29	8	13.56	0	0
Unknown	3			0	0
<b>Total</b>	<b>1,717</b>	<b>59</b>	<b>100</b>	<b>3</b>	<b>100</b>

## Acknowledgements

Sincere thanks are extended to all those who are participating in the collection of data and reporting of data used in these reports. This includes the HSE COVID-19 Contact Management Programme (CMP), staff in ICU units, notifying clinicians, laboratory staff, public health doctors, nurses, surveillance scientists, microbiologists and administrative staff.

**Report prepared by COVID-19 Epidemiology Team, HPSC**

## Technical Notes

### 1. Data Source

Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:12 on 06/09/2020. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

### 2. Epidemiological date

Epidemiological date is derived from epidemiological date, which is the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date, event creation/notification date.

### 3. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-14 years, 15-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and  $\geq 85$  years.

### 3. Transmission classification

Transmission classification is based on country of infection as well as enhanced exposure data (international travel; close contact of a case) recorded in CIDR. Transmission is classified as 'unknown' due to incomplete data on CIDR.

Travel related cases include cases who acquire COVID-19 infection outside of Ireland (imported cases) and cases who acquire COVID-19 infection directly from imported cases.

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 indicates locations where all cases have been acquired outside the location of reporting.

### 4. Outbreak location

Where an outbreak location is reported as a residential facility (RF) this includes nursing homes, community hospitals, long-stay units and residential institutions including mental health facilities, prisons and direct provision centres.

Other outbreak location includes community, extended family, hotel, public house, retail outlet, travel related and all other locations.