



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

Report prepared by HPSC on 27/09/2020

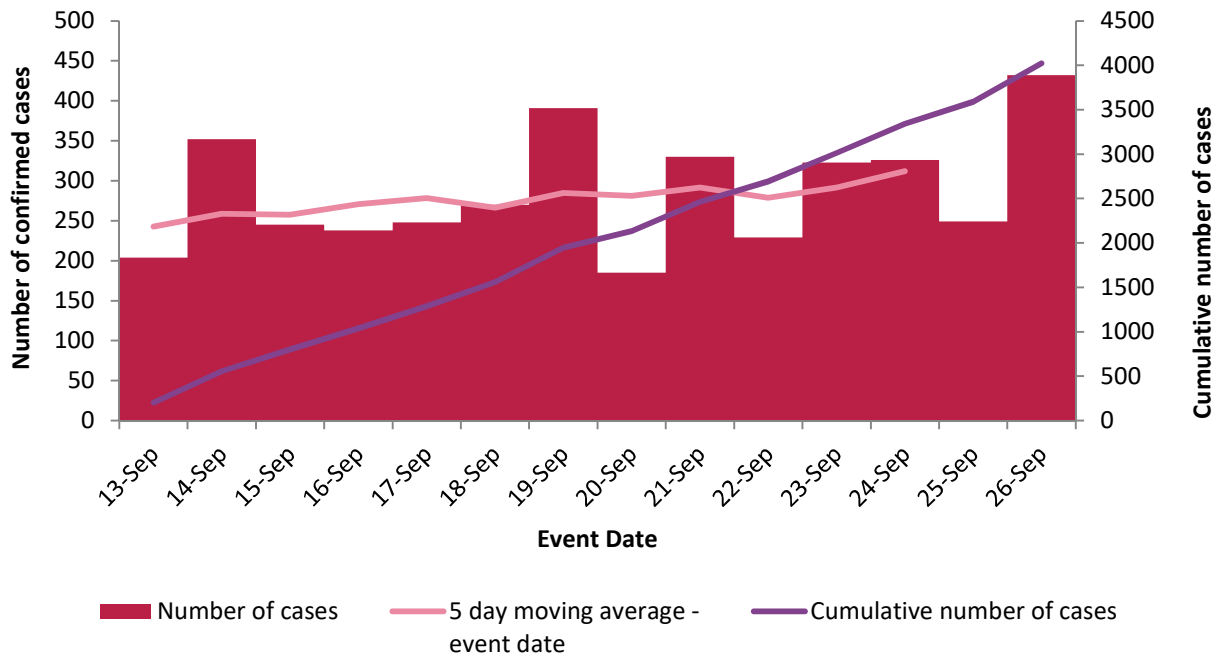
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 13/09/2020 up to midnight 26/09/2020

	Number	Percent
Total number of confirmed cases	4,022	
National incidence of confirmed cases per 100,000 population	84.46	
Number of cases hospitalised*	115	2.86
Number of cases admitted to ICU*	11	0.27
Number of deaths among confirmed cases	5	0.12
Case fatality ratio (CFR, %)	0.12	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	1,953	48.56
Number of imported cases	24	0.6
Number of cases in healthcare workers	231	5.74
Males	2,012	50.02
Females	2,009	49.95
M:F ratio	1	
Median age (years)	32	
Mean age (years)	36	
Age range (years)	0 - 99	

\* 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  
13/09/2020 - 26/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:32 on 27/09/2020 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=432)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 13/09/2020 up to midnight on 26/09/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>4,022</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1	
	Male	2,012	50.02
	Female	2,009	49.95
	Unknown	1	0.02
<b>Age</b>	Median age (years)	32	
	Mean age (years)	36	
	Age range (years)	0 - 99	
	0-4 yrs	114	2.83
	5-14 yrs	325	8.08
	15-24 yrs	984	24.47
	25-34 yrs	708	17.6
	35-44 yrs	576	14.32
	45-54 yrs	552	13.72
	55-64 yrs	375	9.32
	65-74 yrs	236	5.87
	75-84 yrs	106	2.64
	85+ yrs	44	1.09
	Unknown	2	0.05
<b>Underlying clinical conditions</b>	Yes	1,086	27
	No	2,380	59.17
	Unknown	556	13.82

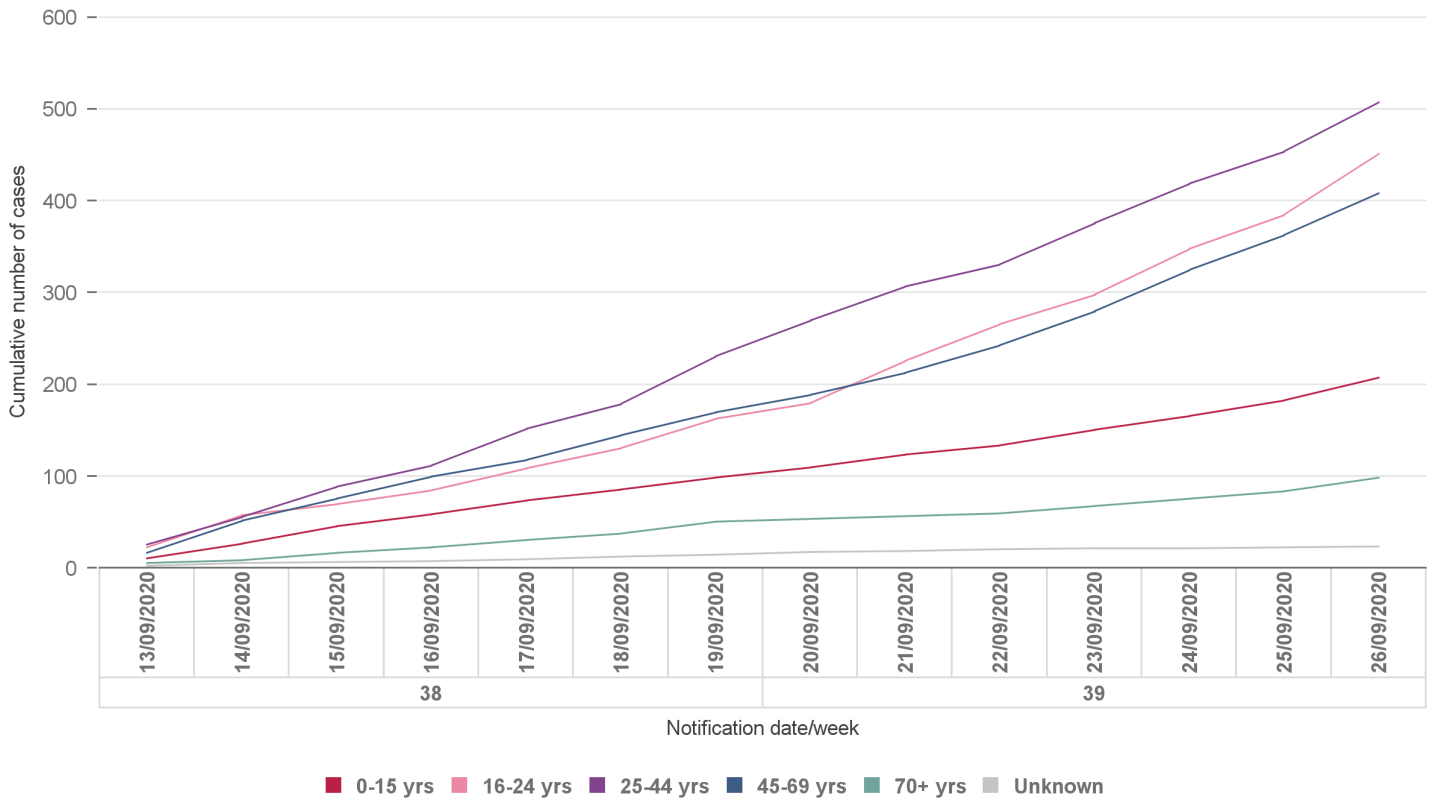


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 13/09/2020 to midnight 26/09/2020

**Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)\* notified from 13/09/2020 to midnight 26/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	415	10.32	1.23	35	14	3.37	208	50.12
CHO2	231	5.74	1.1	32	12	5.19	124	53.68
CHO3	134	3.33	0.79	40	6	4.48	82	61.19
CHO4	372	9.25	0.93	36	16	4.3	225	60.48
CHO5	186	4.62	1.24	35	6	3.23	117	62.9
CHO6	414	10.29	0.86	37	18	4.35	168	40.58
CHO7	868	21.58	1.07	36	47	5.41	373	42.97
CHO8	362	9	0.99	34	33	9.12	226	62.43
CHO9	1,040	25.86	0.93	37	79	7.6	430	41.35
<b>National</b>	<b>4,022</b>	<b>100</b>	<b>1</b>	<b>36</b>	<b>231</b>	<b>5.74</b>	<b>1,953</b>	<b>48.56</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) \* notified in Ireland from 13/09/2020 to midnight 26/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	415	106.1
CHO2	231	51.0
CHO3	134	34.8
CHO4	372	53.9
CHO5	186	36.4
CHO6	414	108.0
CHO7	868	122.6
CHO8	362	58.5
CHO9	1,040	167.4
<b>Ireland</b>	<b>4,022</b>	<b>84.5</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 13/09/2020 to midnight 26/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	23	40.4
Cavan	36	47.3
Clare	56	47.1
Cork	337	62.1
Donegal	295	185.3
Dublin	2060	152.9
Galway	140	54.3
Kerry	35	23.7
Kildare	170	76.4
Kilkenny	27	27.2
Laois	27	31.9
Leitrim	10	31.2
Limerick	65	33.4
Longford	16	39.1
Louth	134	104.0
Mayo	42	32.2
Meath	93	47.7
Monaghan	57	92.9
Offaly	44	56.4
Roscommon	49	75.9
Sligo	17	25.9
Tipperary	33	20.7
Waterford	78	67.1
Westmeath	47	52.9
Wexford	39	26.0
Wicklow	92	64.6
<b>Ireland</b>	<b>4,022</b>	<b>84.5</b>

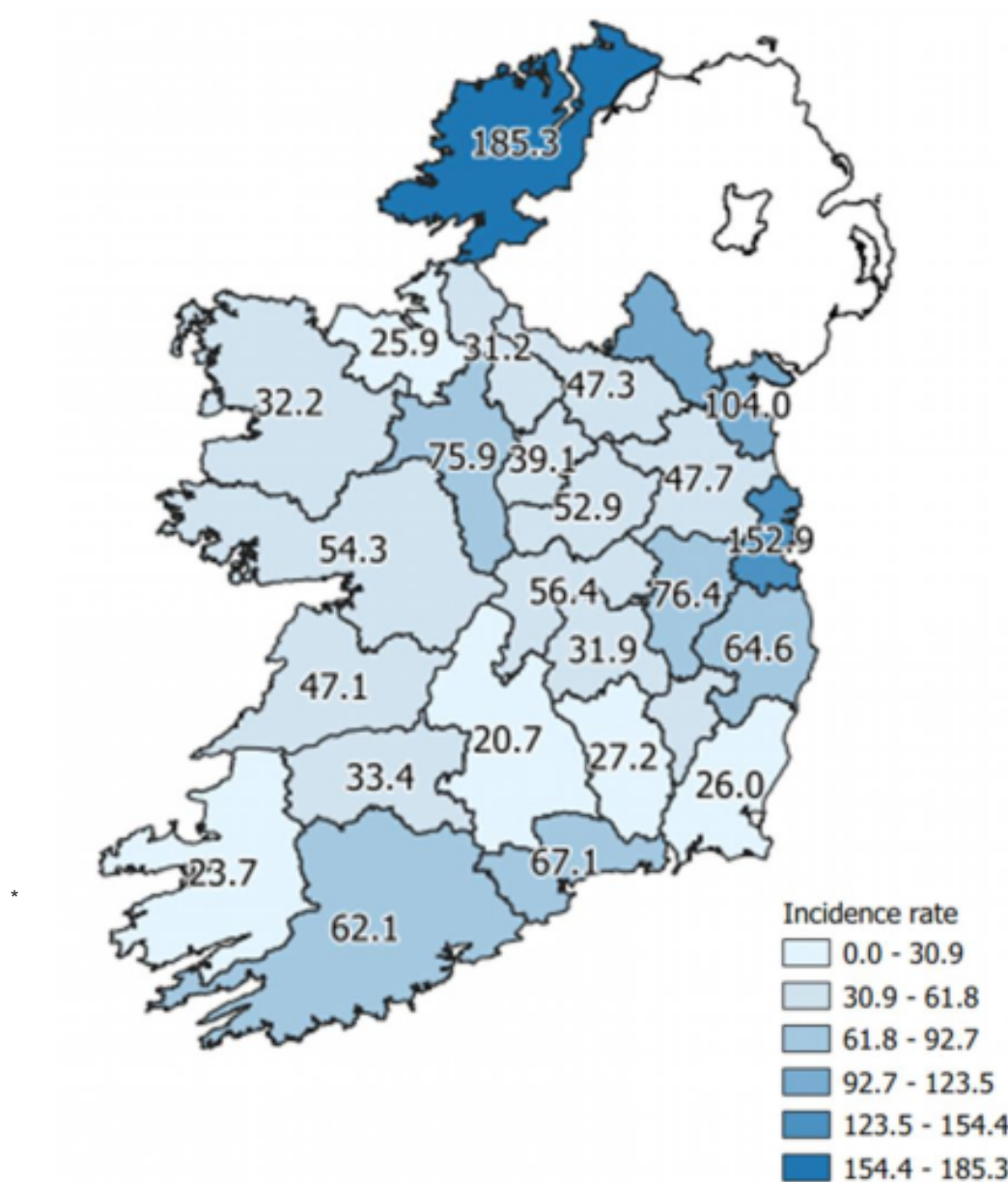


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 13/09/2020 to midnight 26/09/2020

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 from 13/09/2020 to midnight 26/09/2020**

CCA	Local Health Office	Number of cases in past 14 days based on notification date	14 day incidence rates based on notification date
CCA1	Dublin South	98	72.0
CCA2	Dublin South East	225	181.9
CCA3	Dublin South City	190	126.7
CCA4	Dublin South West	266	165.3
CCA5	Dublin West	241	155.1
CCA6	Dublin North West	416	200.3
CCA7	Dublin North Central	281	181.8
CCA8	Dublin North	343	132.4
	<b>Dublin</b>	<b>2060</b>	<b>152.9</b>

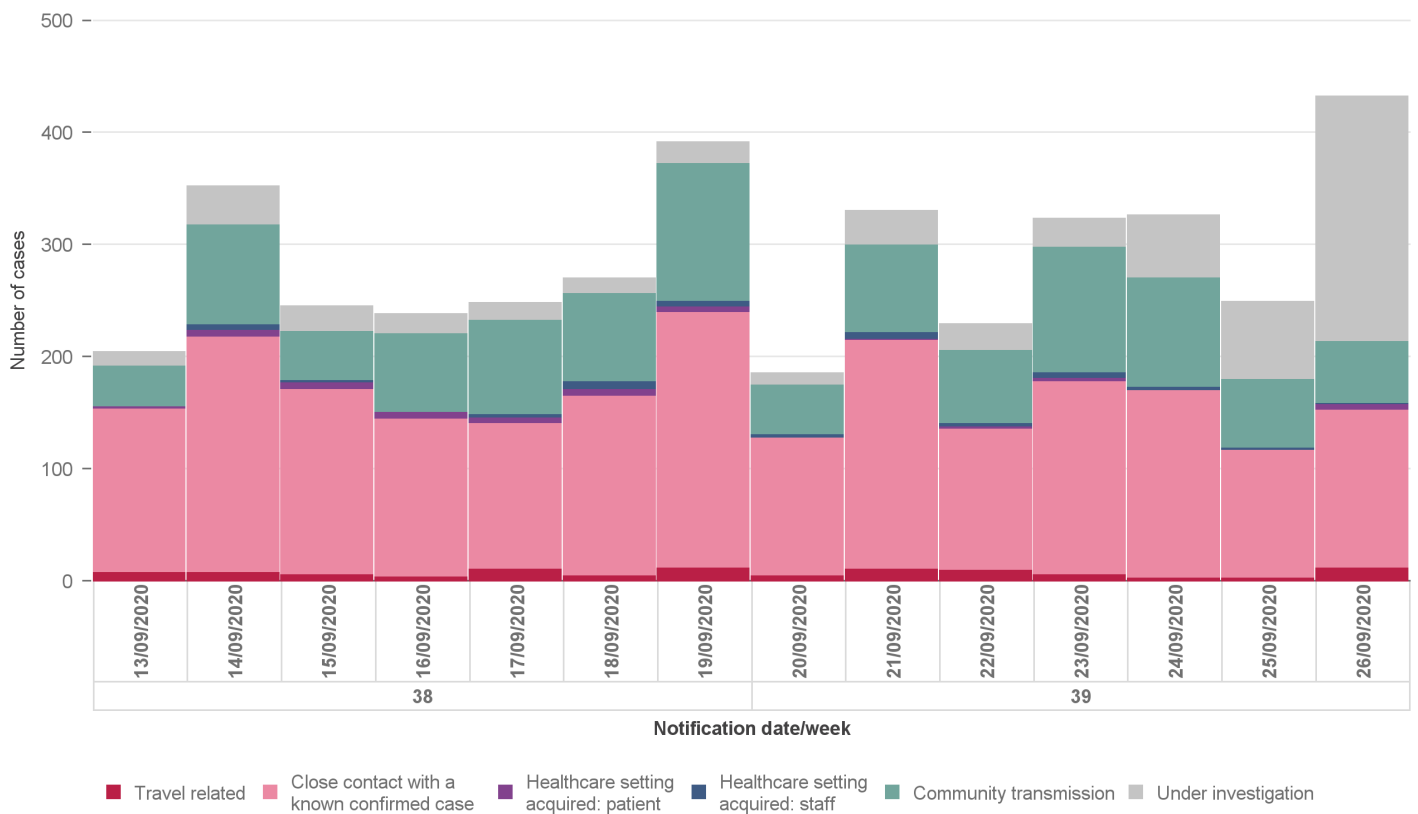
Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE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



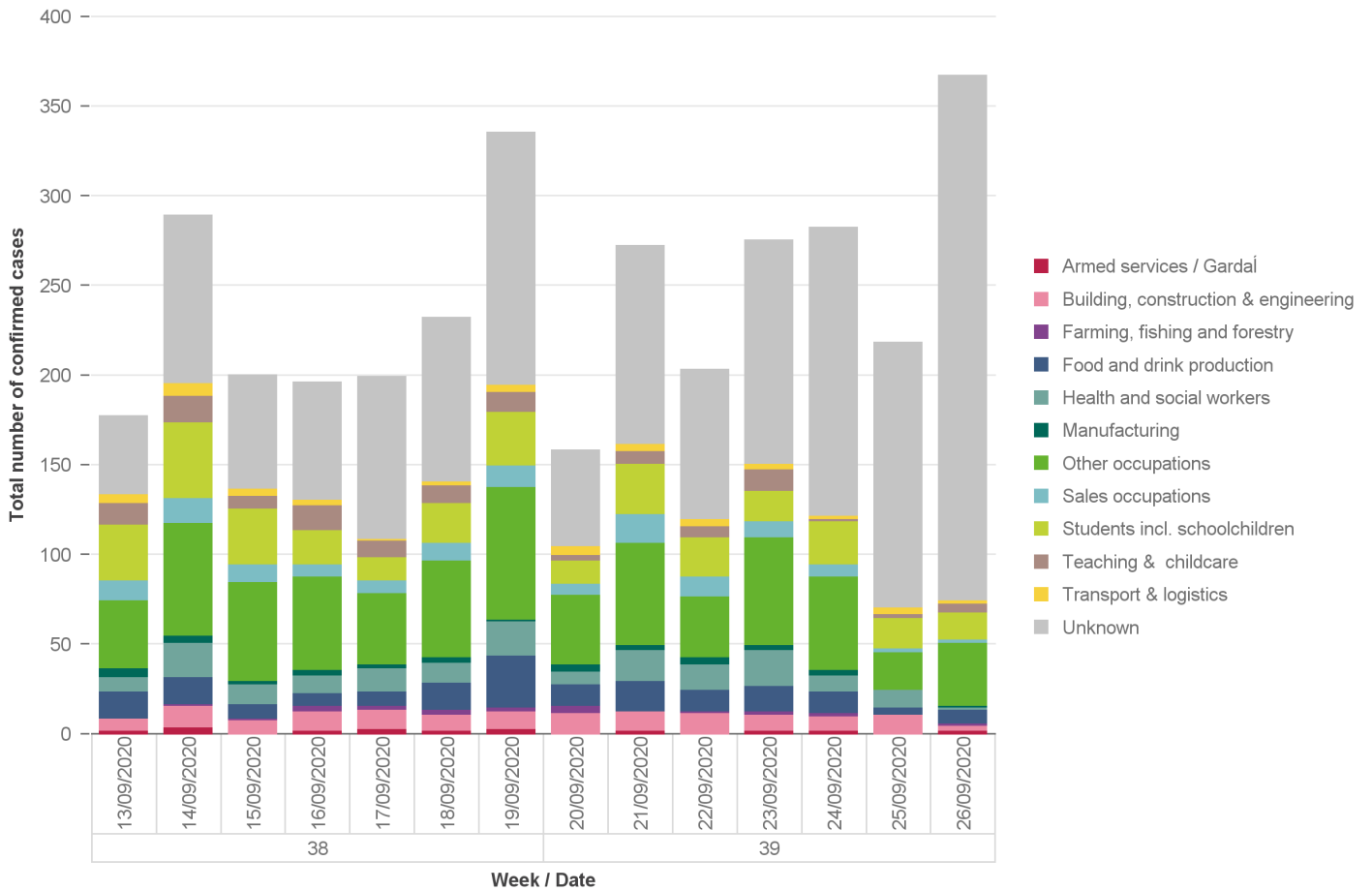
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 13/09/2020 to midnight 26/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related	90	2.24%
Close contact with a known confirmed case	2,227	55.37%
Healthcare setting acquired: patient	47	1.17%
Healthcare setting acquired: staff	45	1.12%
Community transmission	1,038	25.81%
Under investigation	575	14.30%
<b>Total</b>	<b>4,022</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 13/09/2020 to midnight 26/09/2020**



**Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 13/09/2020 to midnight 26/09/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 13/09/2020 to midnight 26/09/2020 by age group and hospitalisation and ICU admission\***

Age Group (years)	Number of cases (n)	Cases hospitalised (n)	Cases hospitalised (%)	Cases admitted to ICU (n)	Cases admitted to ICU (%)
0-4 yrs	114	1	0.87	0	0
5-14 yrs	325	2	1.74	0	0
15-24 yrs	984	7	6.09	0	0
25-34 yrs	708	5	4.35	0	0
35-44 yrs	576	10	8.7	4	36.36
45-54 yrs	552	16	13.91	2	18.18
55-64 yrs	375	22	19.13	3	27.27
65-74 yrs	236	26	22.61	2	18.18
75-84 yrs	106	17	14.78	0	0
85+ yrs	44	9	7.83	0	0
Unknown	2			0	0
<b>Total</b>	<b>4,022</b>	<b>115</b>	<b>100</b>	<b>11</b>	<b>100</b>

\* 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

## **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 13:32 on 27/09/2020. 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.