



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

Report prepared by HPSC on 20/09/2020

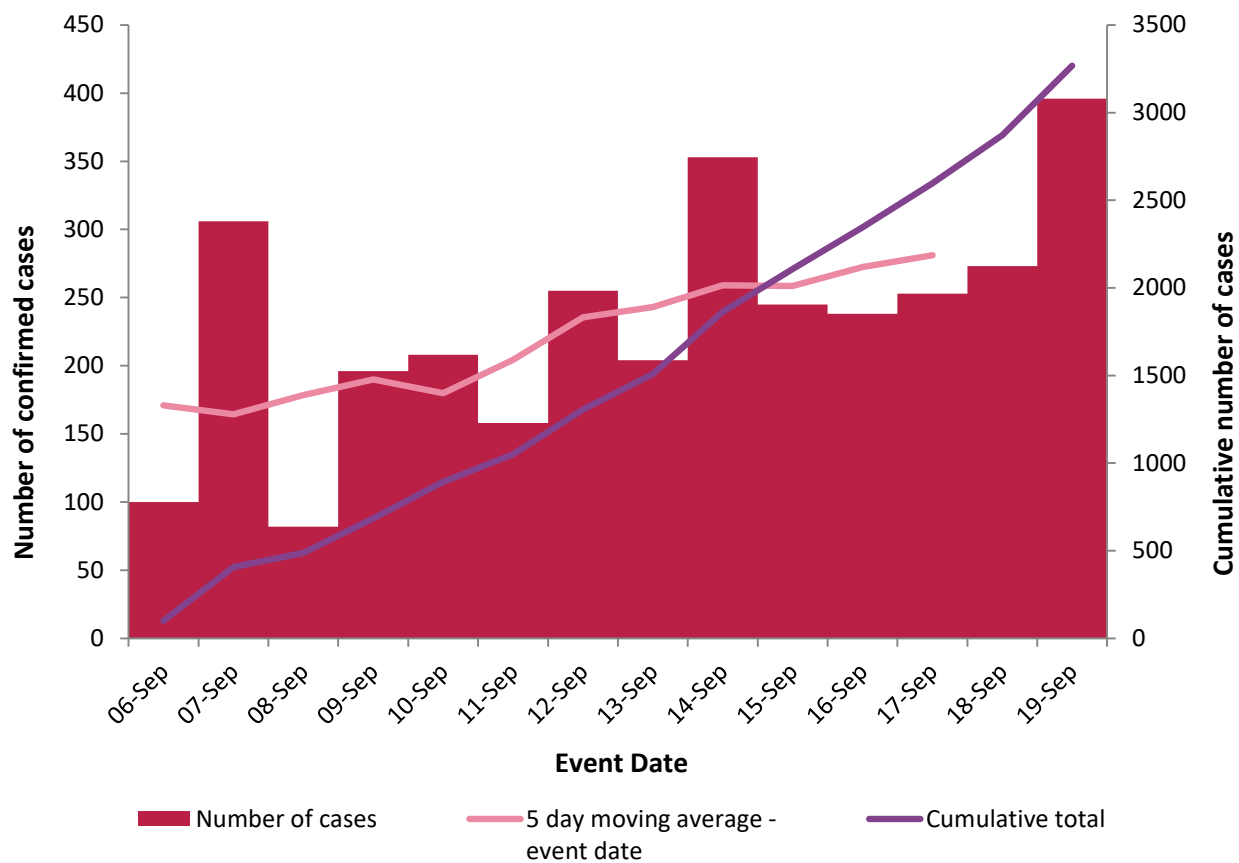
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 06/09/2020 up to midnight 19/09/2020

	Number	Percent
Total number of confirmed cases	3,267	
National incidence of confirmed cases per 100,000 population	68.61	
Number of cases hospitalised*	98	3
Number of cases admitted to ICU*	7	0.21
Number of deaths among confirmed cases	6	0.18
Case fatality ratio (CFR, %)	0.18	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	1,507	46.13
Number of imported cases	29	0.89
Number of cases in healthcare workers	223	6.83
Males	1,609	49.25
Females	1,653	50.6
M:F ratio	0.97	
Median age (years)	33	
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  
06/09/2020 - 19/09/2020

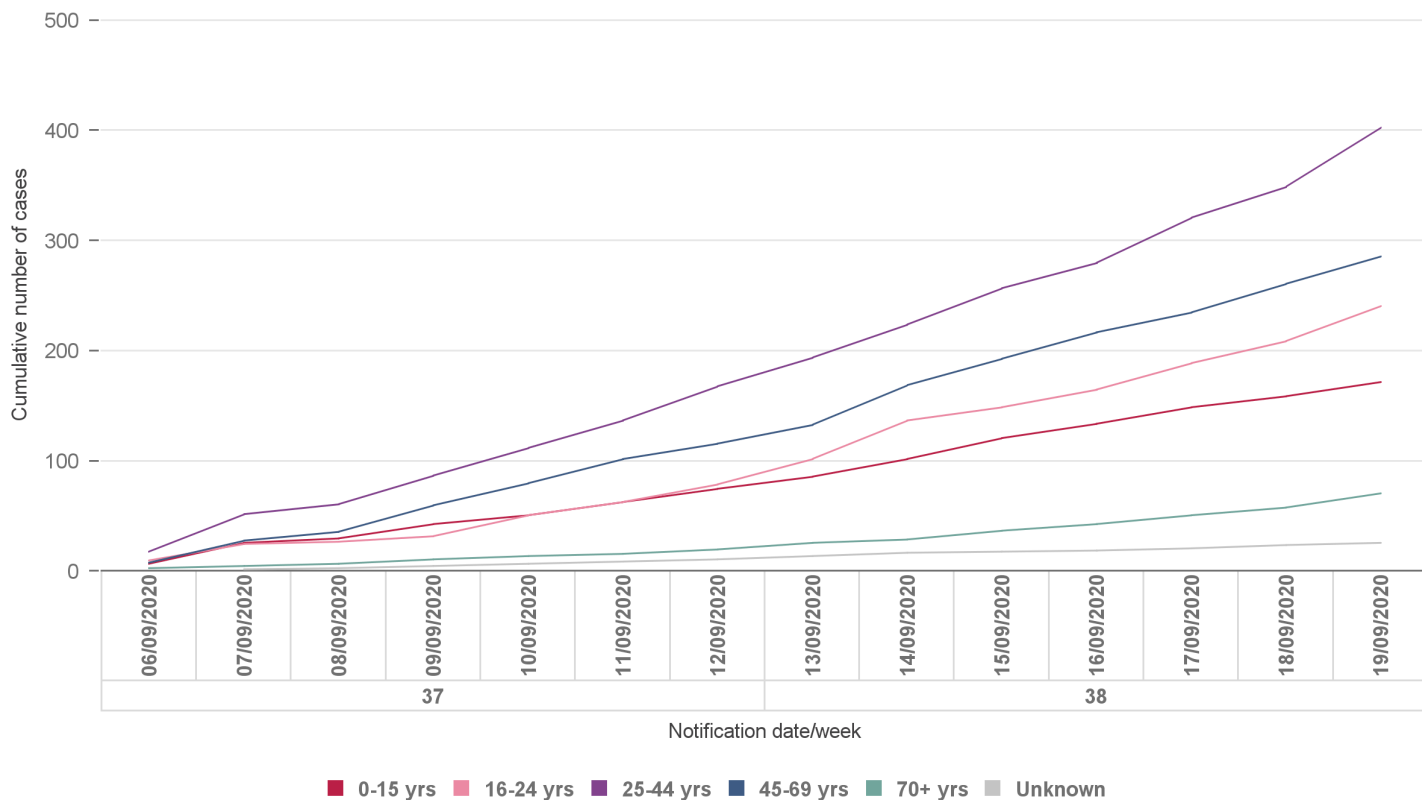
Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:26 on 20/09/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.



**Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=3,267)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 06/09/2020 up to midnight on 19/09/202**

Characteristic		Number of cases	Percent
Total number of confirmed cases		3,267	100
Sex	Male:Female ratio	0.97	
	Male	1,609	49.25
	Female	1,653	50.6
	Unknown	5	0.15
Age	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	129	3.95
	5-14 yrs	292	8.94
	15-24 yrs	712	21.79
	25-34 yrs	563	17.23
	35-44 yrs	489	14.97
	45-54 yrs	445	13.62
	55-64 yrs	315	9.64
	65-74 yrs	205	6.27
	75-84 yrs	76	2.33
	85+ yrs	41	1.25
Underlying clinical conditions	Yes	888	27.18
	No	1,893	57.94
	Unknown	486	14.88



**Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 06/09/2020 to midnight 19/09/2020**

**Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)\* notified from 06/09/2020 to midnight 19/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	207	6.34	1.06	34	10	4.83	120	57.97
CHO2	128	3.92	0.88	32	9	7.03	74	57.81
CHO3	151	4.62	1.08	42	6	3.97	112	74.17
CHO4	151	4.62	1.1	39	8	5.3	65	43.05
CHO5	215	6.58	1.24	34	10	4.65	115	53.49
CHO6	359	10.99	0.87	38	21	5.85	136	37.88
CHO7	750	22.96	1.05	35	51	6.8	268	35.73
CHO8	347	10.62	0.89	35	31	8.93	226	65.13
CHO9	959	29.35	0.9	37	77	8.03	391	40.77
<b>National</b>	<b>3,267</b>	<b>100</b>	<b>0.97</b>	<b>36</b>	<b>223</b>	<b>6.83</b>	<b>1,507</b>	<b>46.13</b>

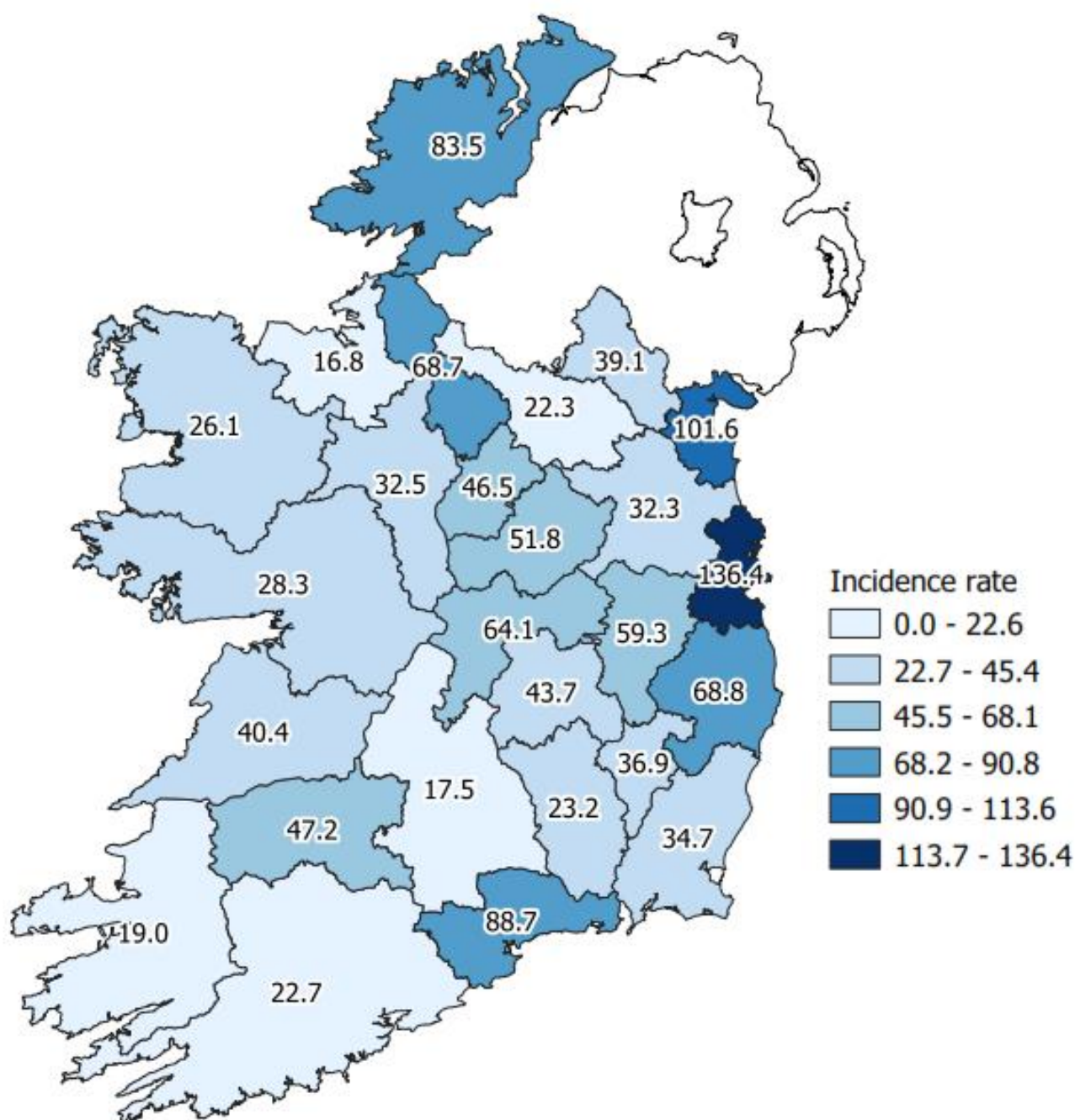
**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) \* notified in Ireland from 06/09/2020 to midnight 19/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	207	52.9
CHO2	128	28.2
CHO3	151	39.2
CHO4	151	21.9
CHO5	215	42.1
CHO6	359	93.7
CHO7	750	106.0
CHO8	347	56.0
CHO9	959	154.3
<b>Ireland</b>	<b>3,267</b>	<b>68.6</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 06/09/2020 to midnight 19/09/2020**

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	21	36.9
Cavan	17	22.3
Clare	48	40.4
Cork	123	22.7
Donegal	133	83.5
Dublin	1838	136.4
Galway	73	28.3
Kerry	28	19.0
Kildare	132	59.3
Kilkenny	23	23.2
Laois	37	43.7
Leitrim	22	68.7
Limerick	92	47.2
Longford	19	46.5
Louth	131	101.6
Mayo	34	26.1
Meath	63	32.3
Monaghan	24	39.1
Offaly	50	64.1
Roscommon	21	32.5
Sligo	11	16.8
Tipperary	28	17.5
Waterford	103	88.7
Westmeath	46	51.8
Wexford	52	34.7
Wicklow	98	68.8
<b>Ireland</b>	<b>3,267</b>	<b>68.6</b>



**Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 06/09/2020 to midnight 19/09/2020**

Please do not directly compared 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 06/09/2020 and 19/09/2020**

CCA	Local Health Office	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates
CCA1	Dublin South	83	61.0
CCA2	Dublin South East	180	145.5
CCA3	Dublin South City	177	118.1
CCA4	Dublin South West	223	138.6
CCA5	Dublin West	216	139.0
CCA6	Dublin North West	425	204.7
CCA7	Dublin North Central	228	147.5
CCA8	Dublin North	306	118.1
	<b>Dublin</b>	<b>1838</b>	<b>136.4</b>

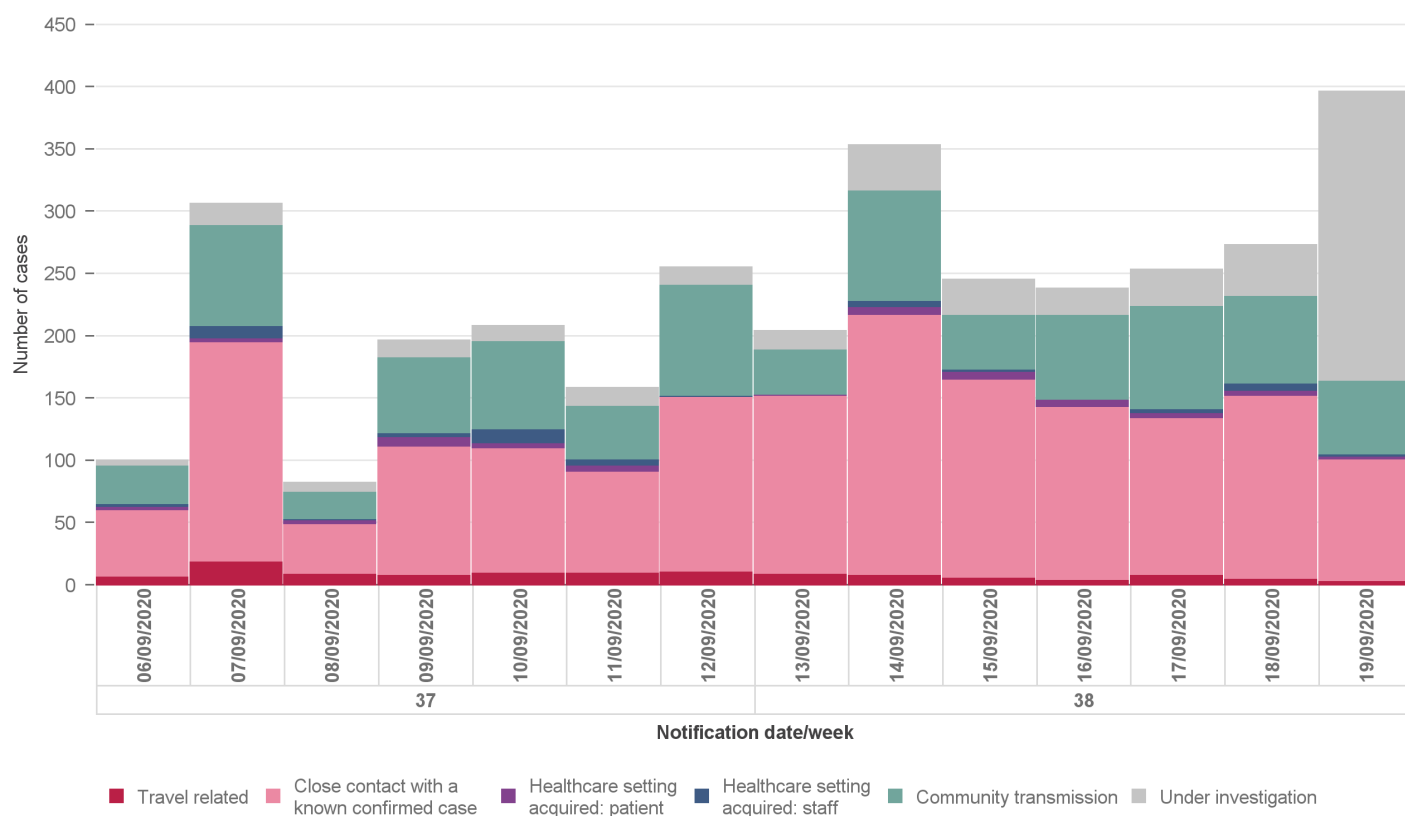
**Note:** Local health offices (LHOs) came into operation on 1<sup>st</sup> September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted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



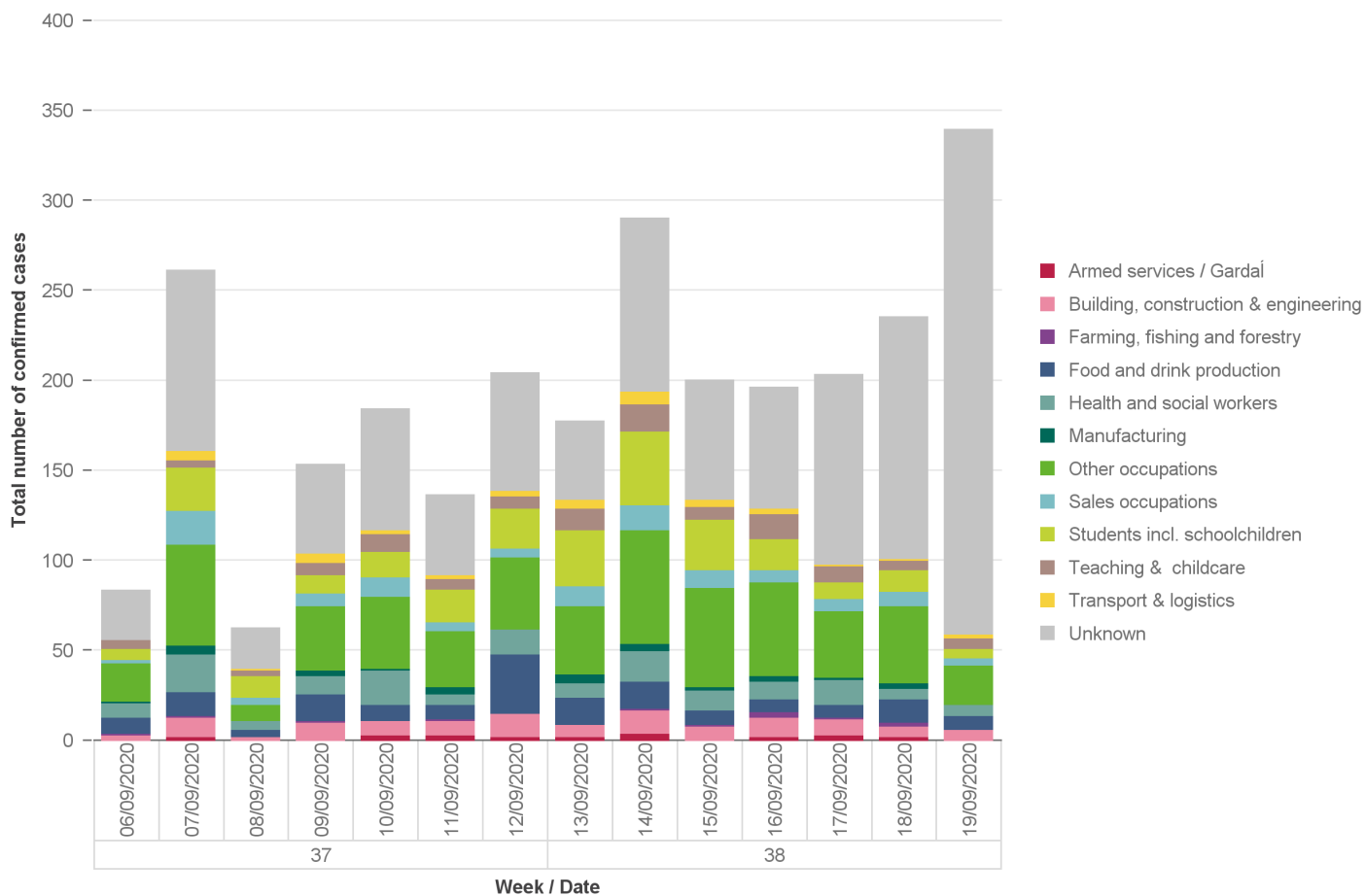
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 06/09/2020 to midnight 19/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related	103	3.15%
Close contact with a known confirmed case	1,714	52.46%
Healthcare setting acquired: patient	55	1.68%
Healthcare setting acquired: staff	51	1.56%
Community transmission	847	25.93%
Under investigation	497	15.21%
<b>Total</b>	<b>3,267</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 3: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 06/09/2020 to midnight 19/09/2020**



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 06/09/2020 to midnight 19/09/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 06/09/2020 to midnight 19/09/2020 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	129	5	5.1	0	0
5-14 yrs	292			0	0
15-24 yrs	712	7	7.14	0	0
25-34 yrs	563	4	4.08	0	0
35-44 yrs	489	3	3.06	0	0
45-54 yrs	445	14	14.29	1	14.29
55-64 yrs	315	14	14.29	4	57.14
65-74 yrs	205	25	25.51	2	28.57
75-84 yrs	76	15	15.31	0	0
85+ yrs	41	11	11.22	0	0
<b>Total</b>	<b>3,267</b>	<b>98</b>	<b>100</b>	<b>7</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 13:26 on 20/09/2020. 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.