



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

Report prepared by HPSC on 14/09/2020

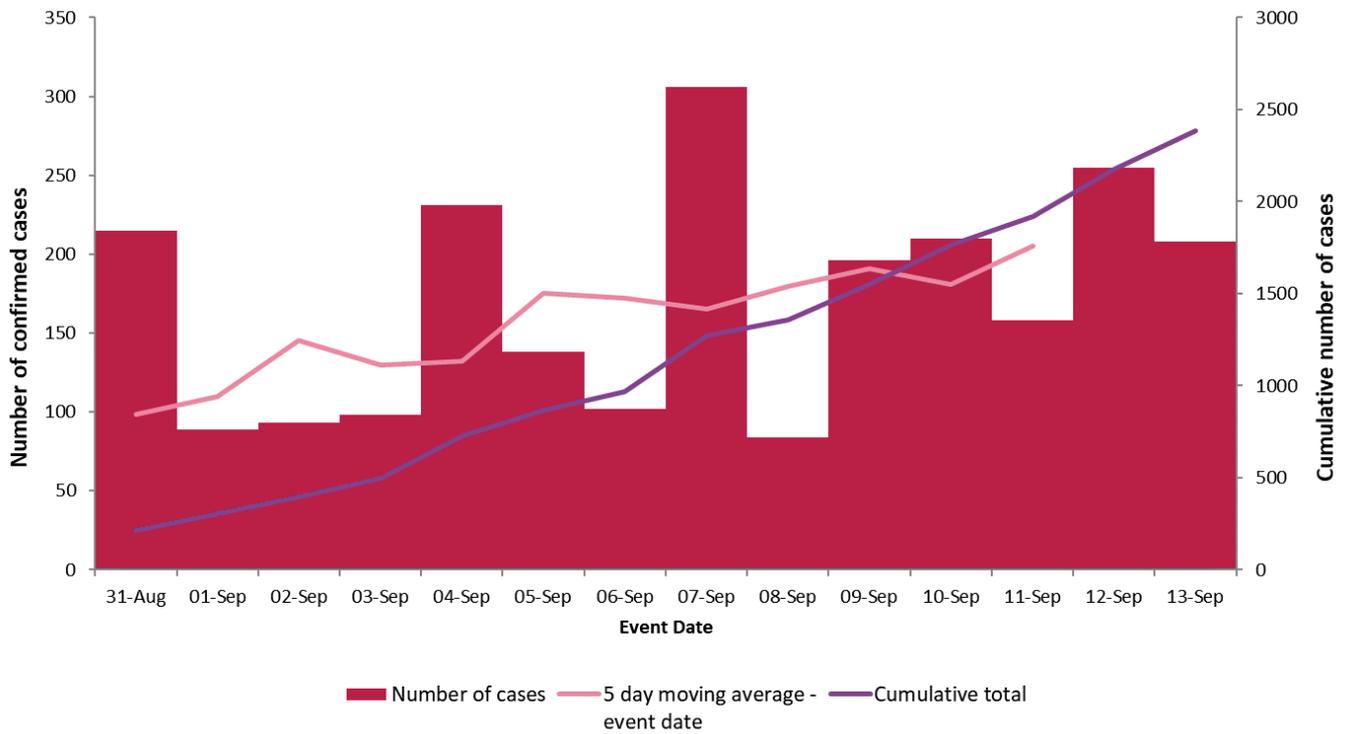
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 31/08/2020 up to midnight 13/09/2020

	Number	Percent
Total number of confirmed cases	2,383	
National incidence of confirmed cases per 100,000 population	50.04	
Number of cases hospitalised*	64	2.69
Number of cases admitted to ICU*	3	0.13
Number of deaths among confirmed cases	5	0.21
Case fatality ratio (CFR, %)	0.21	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	736	30.89
Number of imported cases	42	1.76
Number of cases in healthcare workers	233	9.78
Males	1,155	48.47
Females	1,221	51.24
M:F ratio	0.95	
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  
31/08/2020 - 13/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:18 on 14/09/2020 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=2,383)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 31/08/2020 up to midnight on 13/09/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>2,383</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.95	
	Male	1,155	48.47
	Female	1,221	51.24
	Unknown	7	0.29
<b>Age</b>	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	97	4.07
	5-14 yrs	215	9.02
	15-24 yrs	509	21.36
	25-34 yrs	438	18.38
	35-44 yrs	362	15.19
	45-54 yrs	305	12.8
	55-64 yrs	219	9.19
	65-74 yrs	129	5.41
	75-84 yrs	61	2.56
	85+ yrs	47	1.97
	Unknown	1	0.04
<b>Underlying clinical conditions</b>	Yes	651	27.32
	No	1,404	58.92
	Unknown	328	13.76

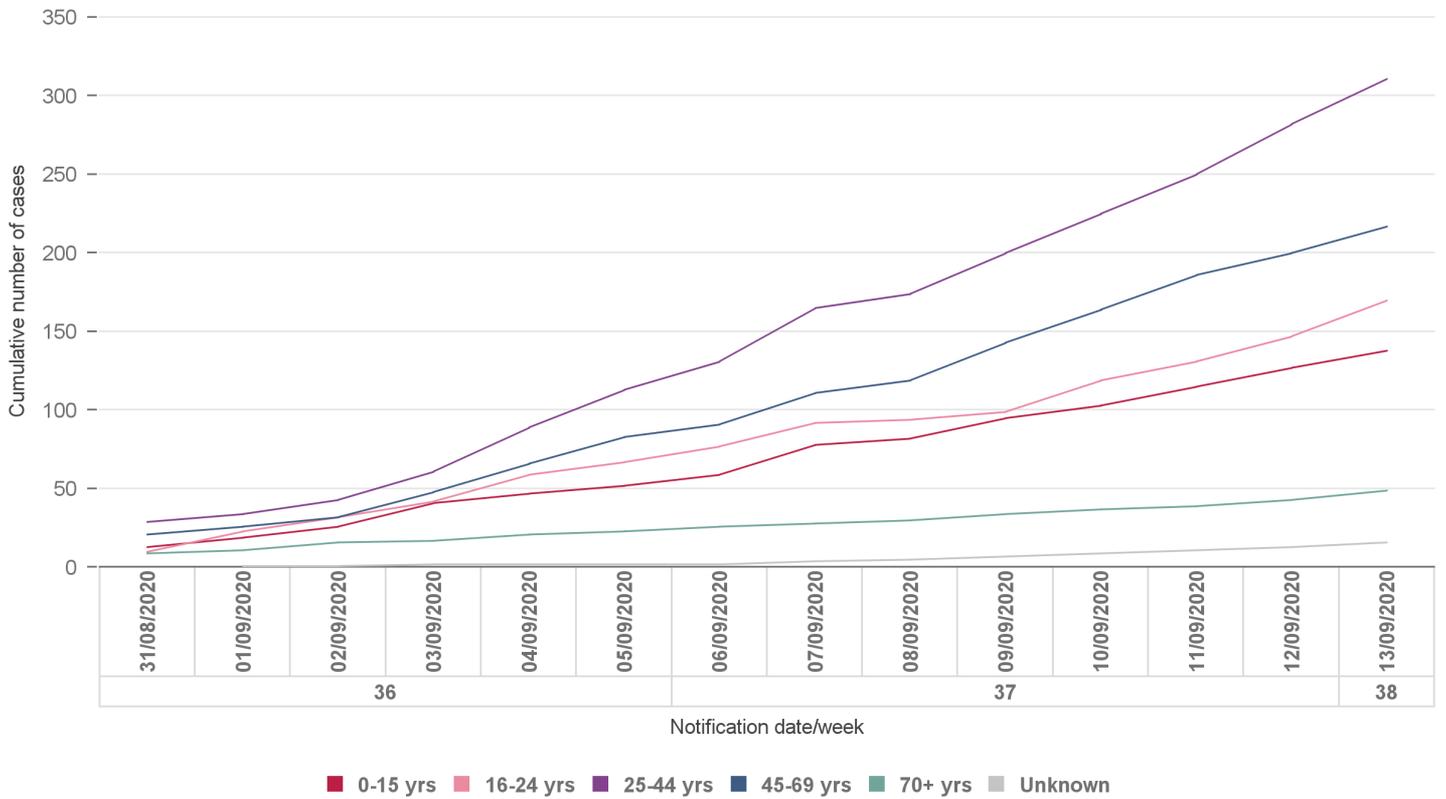


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 31/08/2020 to midnight 13/09/2020

**Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)\* notified from 31/08/2020 to midnight 13/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	106	4.45	1.12	33	9	8.49	64	60.38
CHO2	80	3.36	1	35	10	12.5	48	60
CHO3	168	7.05	0.95	36	5	2.98	113	67.26
CHO4	72	3.02	0.76	30	5	6.94	44	61.11
CHO5	195	8.18	1.19	36	13	6.67	74	37.95
CHO6	259	10.87	1.04	39	32	12.36	32	12.36
CHO7	568	23.84	0.93	35	57	10.04	117	20.6
CHO8	280	11.75	0.81	37	38	13.57	167	59.64
CHO9	655	27.49	0.92	36	64	9.77	77	11.76
<b>National</b>	<b>2,383</b>	<b>100</b>	<b>0.95</b>	<b>36</b>	<b>233</b>	<b>9.78</b>	<b>736</b>	<b>30.89</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) \* notified in Ireland from 31/08/2020 to midnight 13/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	106	27.1
CHO2	80	17.7
CHO3	168	43.6
CHO4	72	10.4
CHO5	195	38.2
CHO6	259	67.6
CHO7	568	80.3
CHO8	280	45.2
CHO9	655	105.4
<b>Ireland</b>	<b>2,383</b>	<b>50.0</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 31/08/2020 to midnight 13/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	11	19.3
Cavan	13	17.1
Clare	36	30.3
Cork	52	9.6
Donegal	54	33.9
Dublin	1282	95.1
Galway	49	19.0
Kerry	20	13.5
Kildare	137	61.6
Kilkenny	31	31.2
Laois	36	42.5
Leitrim	21	65.5
Limerick	123	63.1
Longford	21	51.4
Louth	86	66.7
Mayo	18	13.8
Meath	59	30.2
Monaghan	16	26.1
Offaly	45	57.7
Roscommon	13	20.1
Sligo	<5	3.1
Tipperary	44	27.6
Waterford	72	62.0
Westmeath	32	36.0
Wexford	47	31.4
Wicklow	63	44.2
<b>Ireland</b>	<b>2,383</b>	<b>50.0</b>

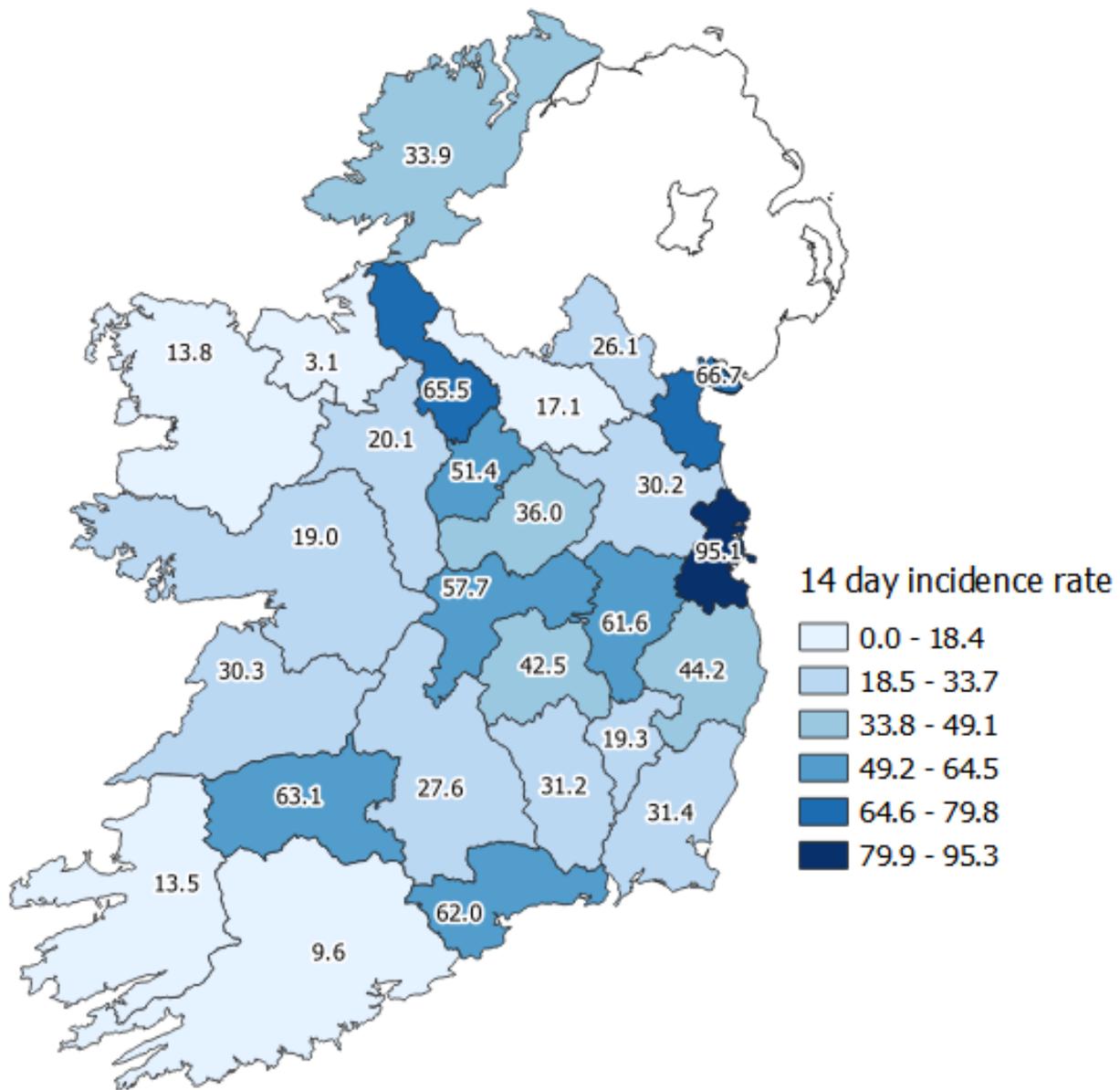


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 31/08/2020 to midnight 13/09/2020

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 31/08/2020 to midnight 13/09/2020**

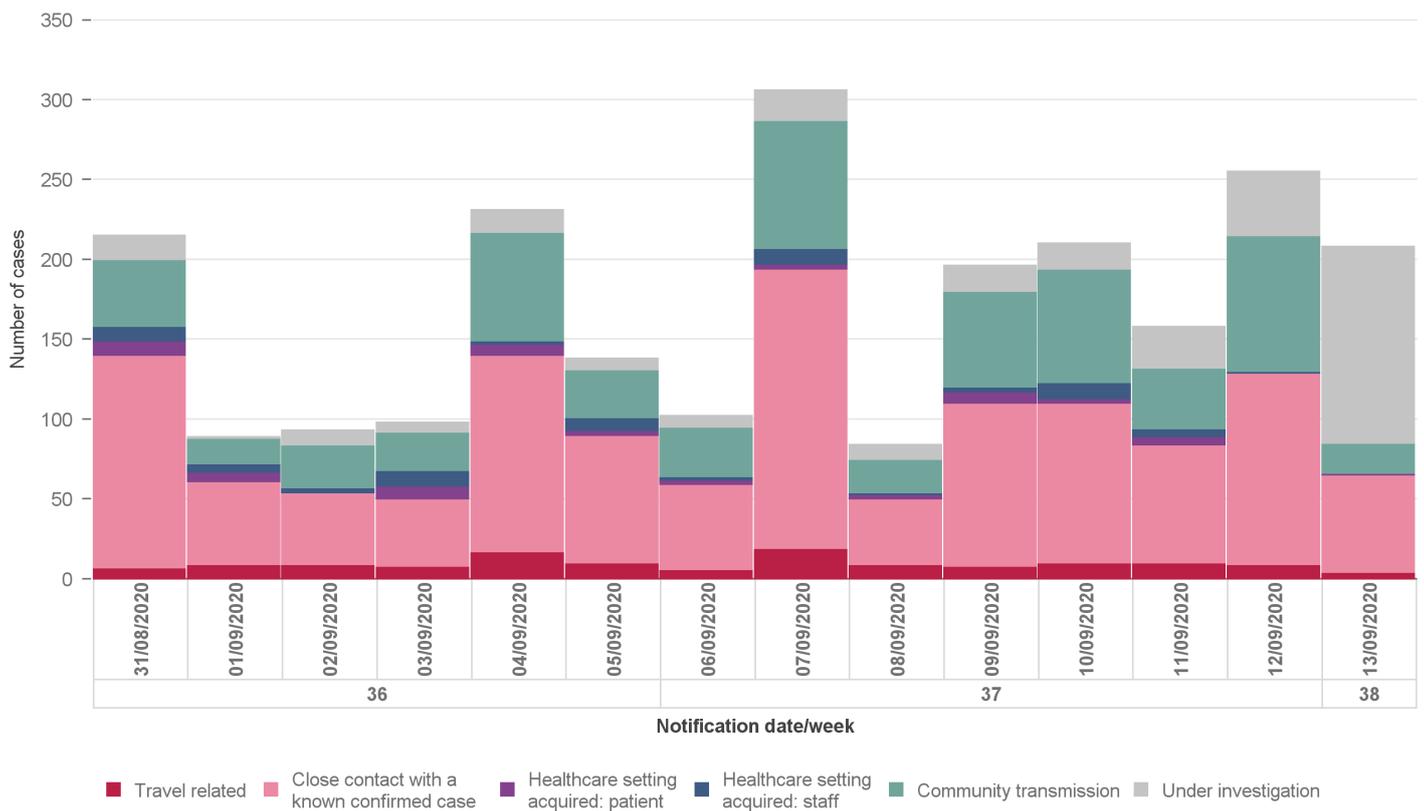
CCA	Local Health Office	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates
CCA1	Dublin South	58	42.6
CCA2	Dublin South East	140	113.2
CCA3	Dublin South City	125	83.4
CCA4	Dublin South West	149	92.6
CCA5	Dublin West	155	99.8
CCA6	Dublin North West	273	131.5
CCA7	Dublin North Central	155	100.3
CCA8	Dublin North	227	87.6
	<b>Dublin</b>	<b>1,282</b>	<b>95.1</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.

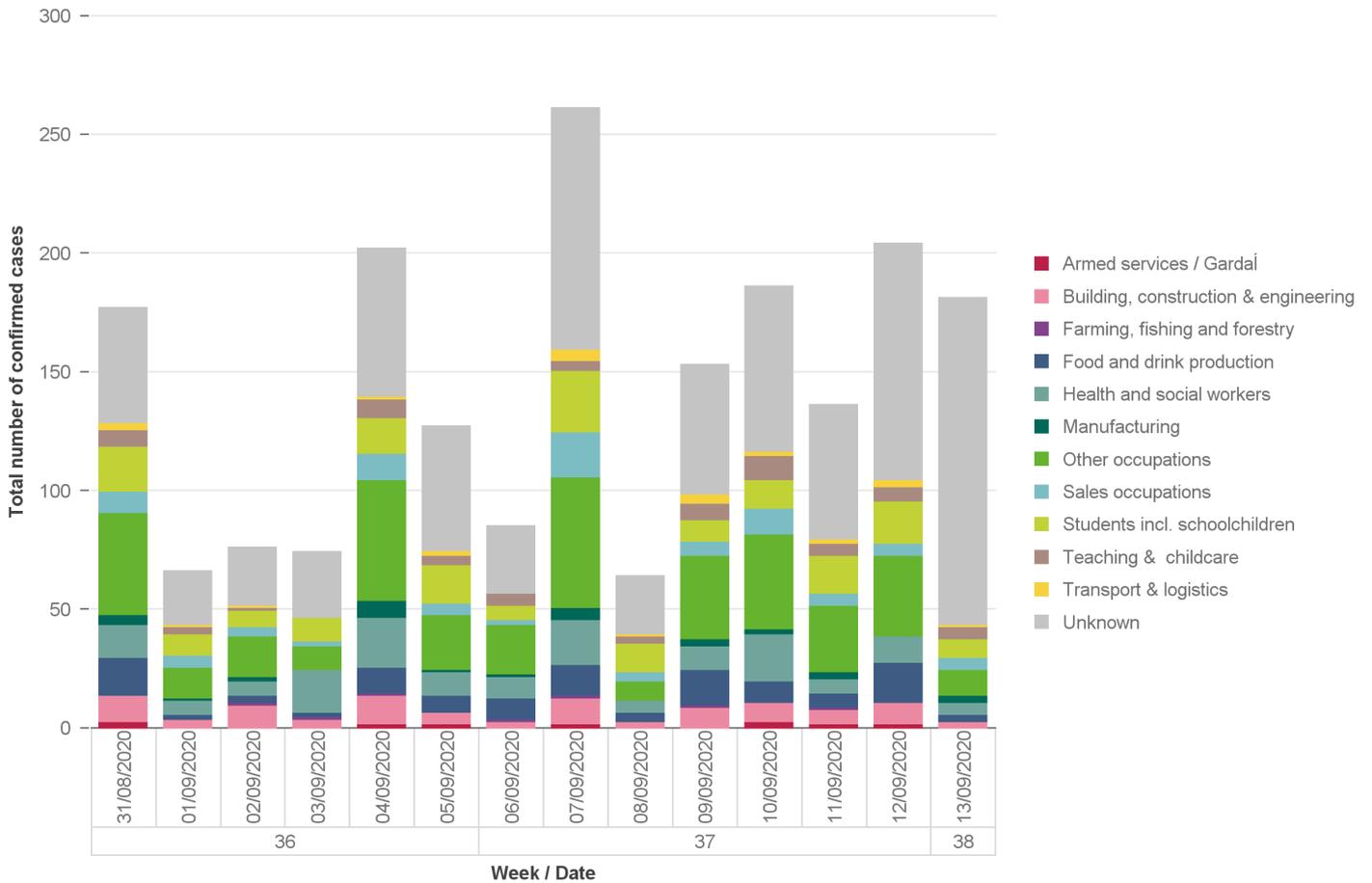
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 31/08/2020 to midnight 13/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related	121	5.08%
Close contact with a known confirmed case	1,201	50.40%
Healthcare setting acquired: patient	58	2.43%
Healthcare setting acquired: staff	69	2.90%
Community transmission	612	25.68%
Under investigation	322	13.51%
<b>Total</b>	<b>2,383</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 31/08/2020 to midnight 13/09/2020**



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 31/08/2020 to midnight 13/09/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 31/08/2020 to midnight 13/09/2020 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	97	4	6.25	1	33.33
5-14 yrs	215	1	1.56	0	0
15-24 yrs	509	5	7.81	0	0
25-34 yrs	438	3	4.69	0	0
35-44 yrs	362			0	0
45-54 yrs	305	10	15.63	0	0
55-64 yrs	219	7	10.94	2	66.67
65-74 yrs	129	15	23.44	0	0
75-84 yrs	61	8	12.5	0	0
85+ yrs	47	11	17.19	0	0
Unknown	1			0	0
<b>Total</b>	<b>2,383</b>	<b>64</b>	<b>100</b>	<b>3</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 13:18 on 14/09/2020. 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.