



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

Report prepared by HPSC on 13/09/2020

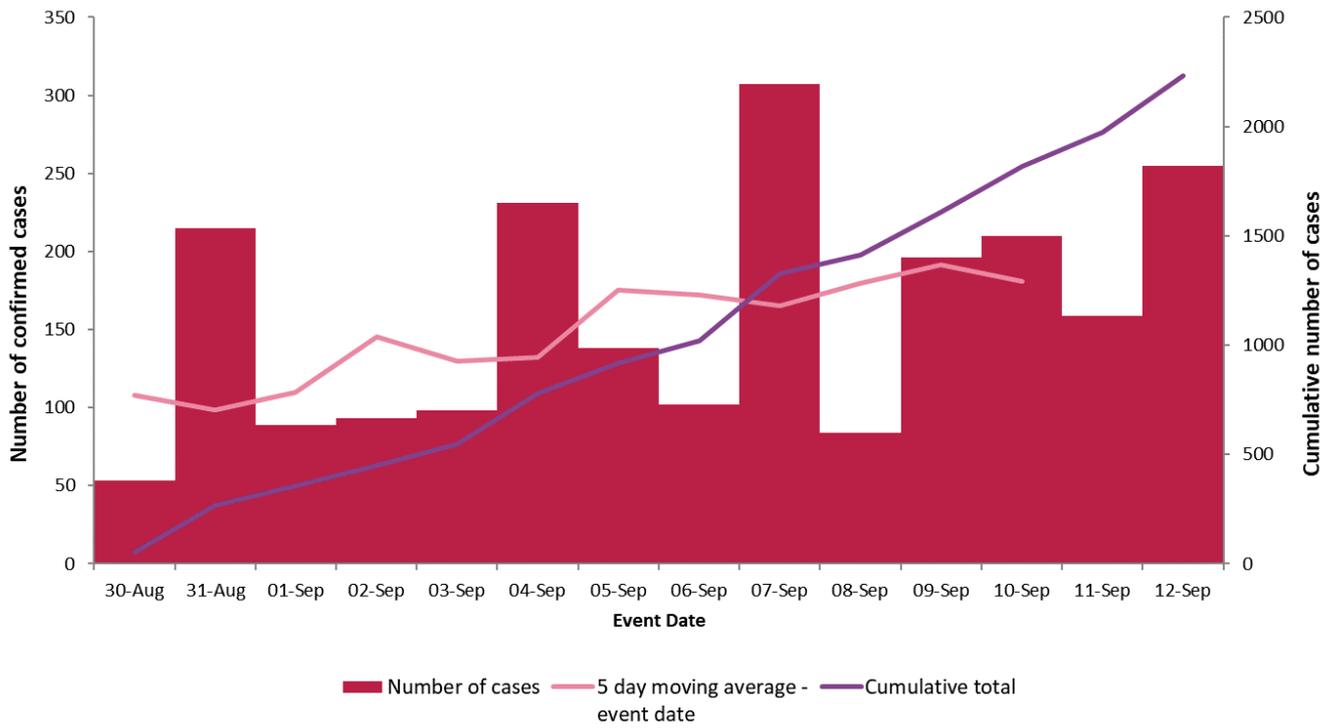
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/08/2020 up to midnight 12/09/2020

	Number	Percent
Total number of confirmed cases	2,230	
National incidence of confirmed cases per 100,000 population	46.83	
Number of cases hospitalised*	62	2.78
Number of cases admitted to ICU*	2	0.09
Number of deaths among confirmed cases	5	0.22
Case fatality ratio (CFR, %)	0.22	
National incidence of confirmed deaths per 100,000 population	0.11	
Number of cases** associated with clusters	712	31.93
Number of imported cases	40	1.79
Number of cases in healthcare workers	232	10.4
Males	1,084	48.61
Females	1,136	50.94
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  
30/08/2020 - 12/09/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:17 on 13/09/2020 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=2,230)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/08/2020 up to midnight on 12/09/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>2,230</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	0.95	
	Male	1,084	48.61
	Female	1,136	50.94
	Unknown	10	0.45
<b>Age</b>	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	96	4.3
	5-14 yrs	210	9.42
	15-24 yrs	457	20.49
	25-34 yrs	426	19.1
	35-44 yrs	345	15.47
	45-54 yrs	271	12.15
	55-64 yrs	201	9.01
	65-74 yrs	120	5.38
	75-84 yrs	57	2.56
	85+ yrs	46	2.06
	Unknown	1	0.04
<b>Underlying clinical conditions</b>	Yes	616	27.62
	No	1,337	59.96
	Unknown	277	12.42

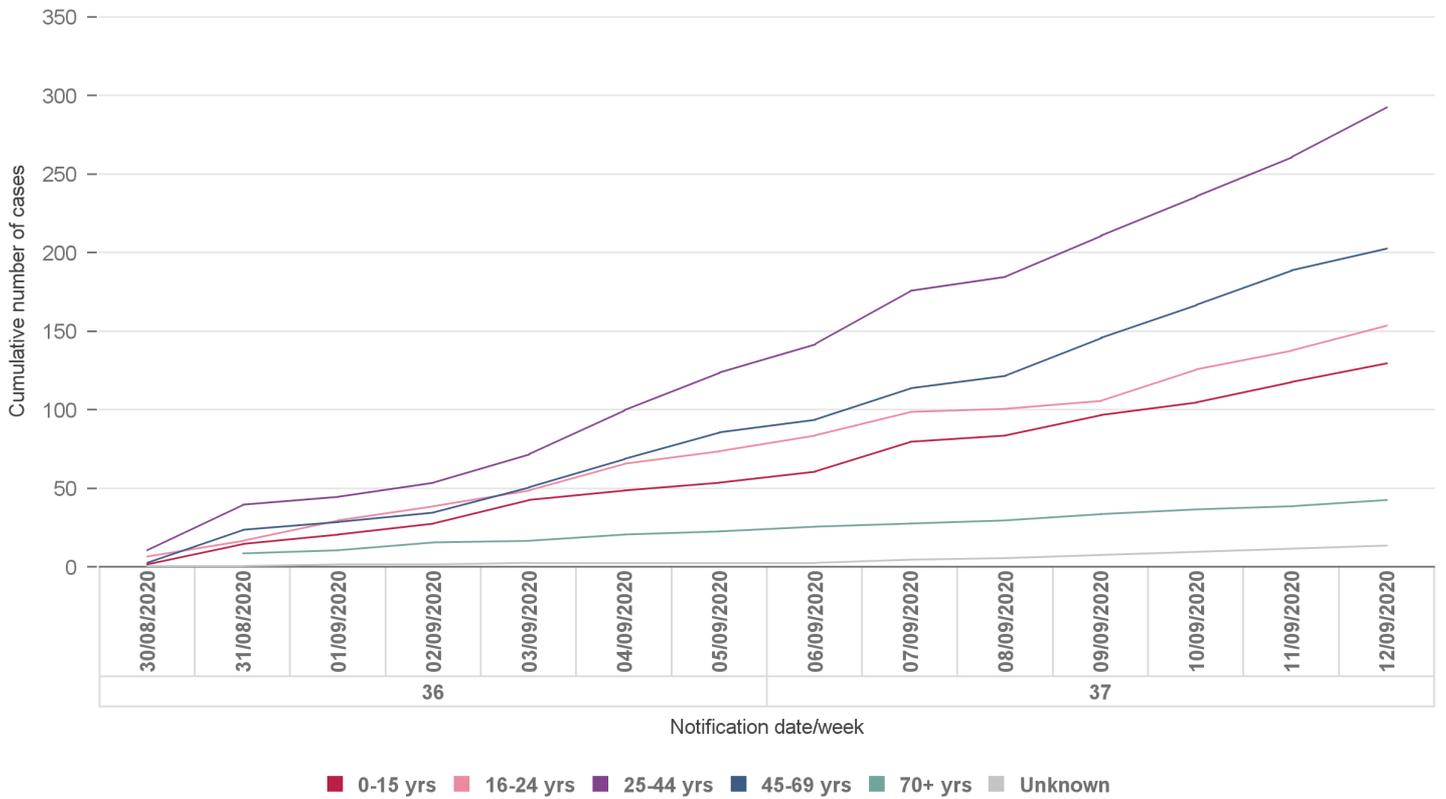


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 30/08/2020 to midnight 12/09/2020

**Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)\* notified from 30/08/2020 to midnight 12/09/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	93	4.17	1.02	32	9	9.68	58	62.37
CHO2	74	3.32	1.11	33	9	12.16	43	58.11
CHO3	175	7.85	0.97	35	7	4	121	69.14
CHO4	67	3	0.72	30	5	7.46	36	53.73
CHO5	178	7.98	1.14	36	13	7.3	65	36.52
CHO6	247	11.08	1.11	39	32	12.96	31	12.55
CHO7	540	24.22	0.94	36	58	10.74	124	22.96
CHO8	250	11.21	0.8	38	38	15.2	154	61.6
CHO9	606	27.17	0.92	35	61	10.07	80	13.2
<b>National</b>	<b>2,230</b>	<b>100</b>	<b>0.95</b>	<b>36</b>	<b>232</b>	<b>10.4</b>	<b>712</b>	<b>31.93</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) \* notified in Ireland from 30/08/2020 to midnight 12/09/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	93	23.8
CHO2	74	16.3
CHO3	175	45.5
CHO4	67	9.7
CHO5	178	34.9
CHO6	247	64.5
CHO7	540	76.3
CHO8	250	40.4
CHO9	606	97.5
<b>Ireland</b>	<b>2,230</b>	<b>46.8</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 30/08/2020 to midnight 12/09/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	10	17.6
Cavan	12	15.8
Clare	37	31.1
Cork	46	8.5
Donegal	42	26.4
Dublin	1200	89.1
Galway	47	18.2
Kerry	21	14.2
Kildare	132	59.3
Kilkenny	30	30.2
Laois	33	39.0
Leitrim	21	65.5
Limerick	128	65.7
Longford	23	56.3
Louth	68	52.8
Mayo	15	11.5
Meath	50	25.6
Monaghan	16	26.1
Offaly	45	57.7
Roscommon	12	18.6
Sligo	<5	3.1
Tipperary	43	27.0
Waterford	64	55.1
Westmeath	31	34.9
Wexford	41	27.4
Wicklow	61	42.8
<b>Ireland</b>	<b>2,230</b>	<b>46.8</b>

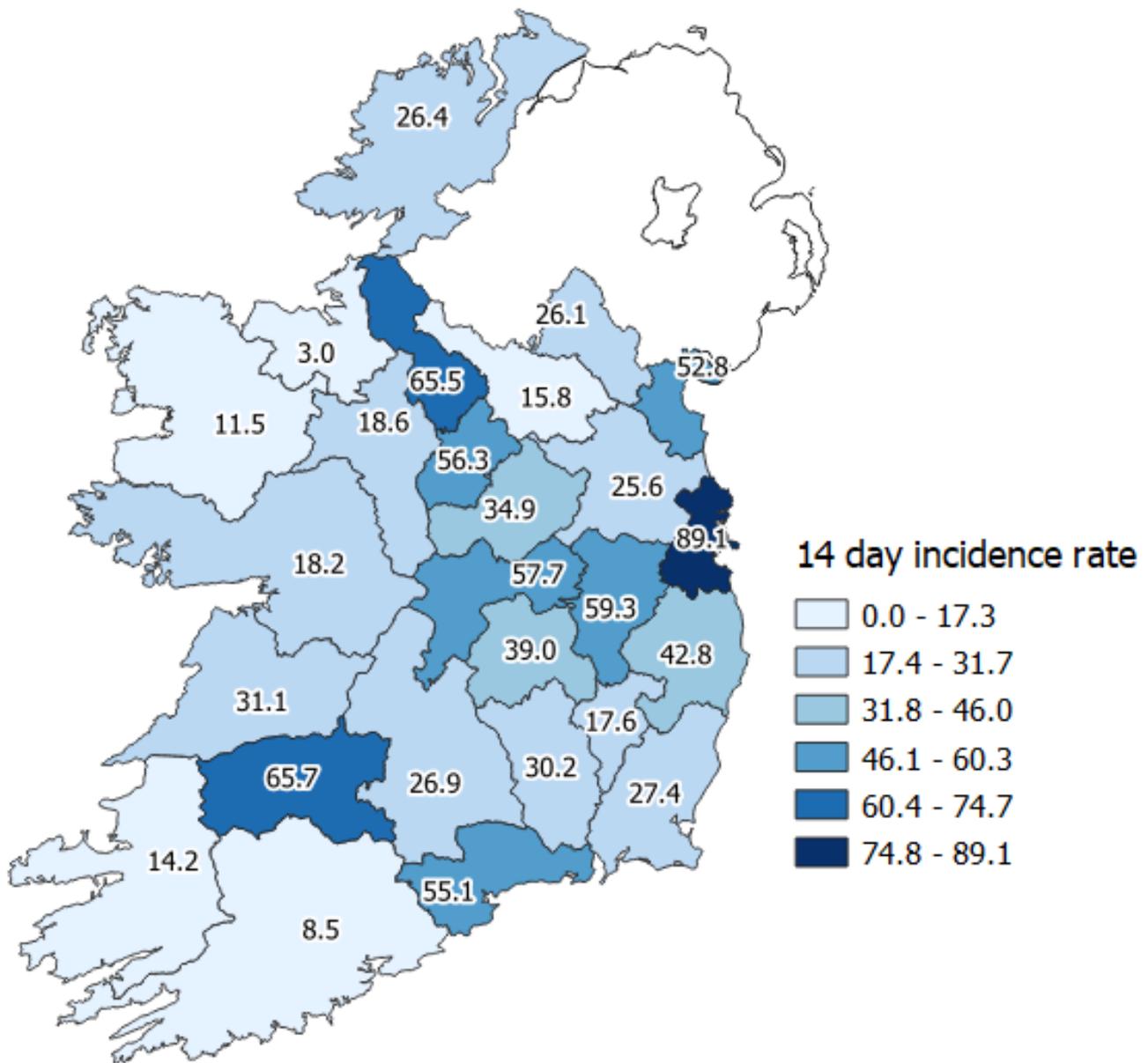


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 30/08/2020 to midnight 12/09/2020

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 30/08/2020 to midnight 12/09/2020**

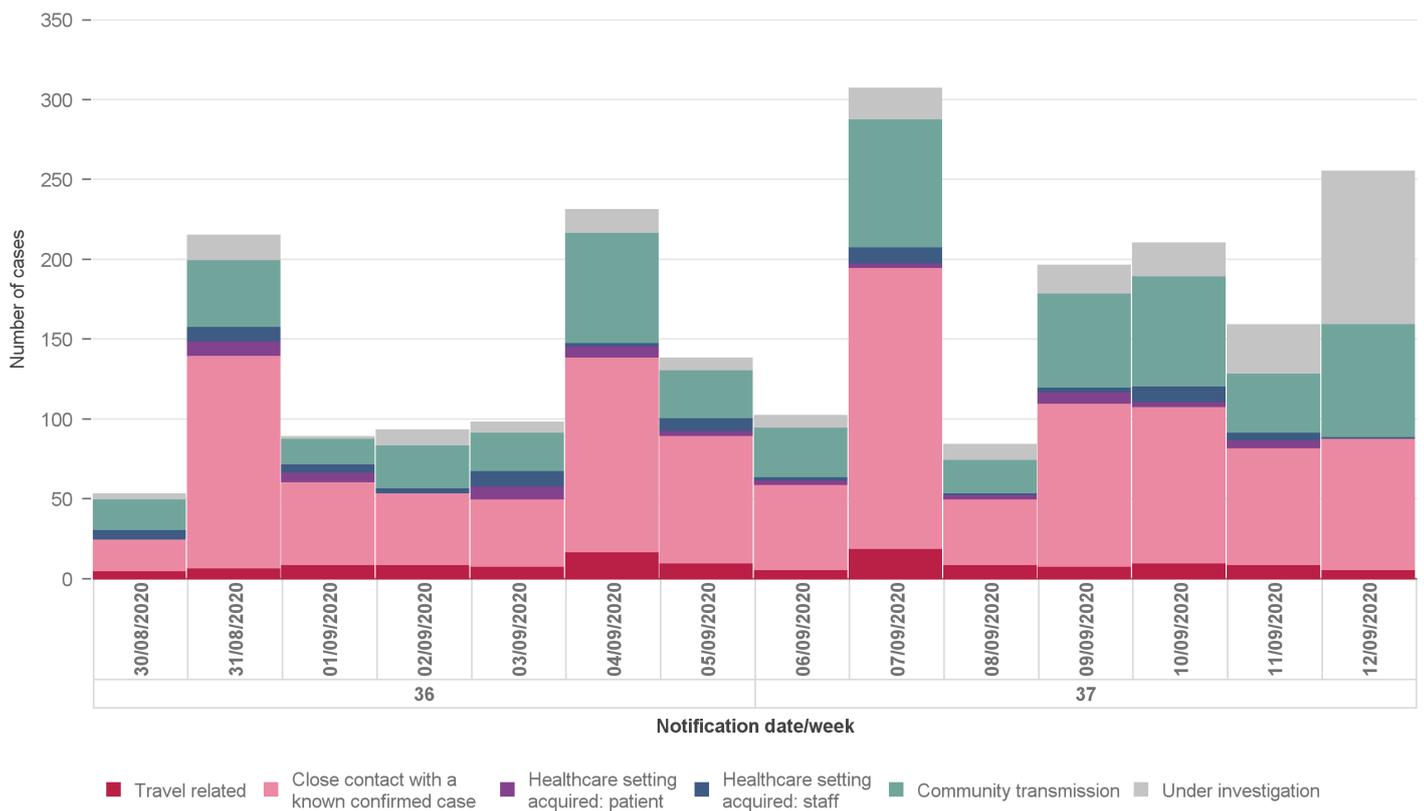
CCA	Local Health Office	Number of cases in past 14 days based on event date	14 day incidence rates based on event dates
CCA1	Dublin South	55	40.4
CCA2	Dublin South East	133	107.5
CCA3	Dublin South City	124	82.7
CCA4	Dublin South West	138	85.8
CCA5	Dublin West	144	92.7
CCA6	Dublin North West	241	116.0
CCA7	Dublin North Central	142	91.9
CCA8	Dublin North	223	86.0
	<b>Dublin</b>	<b>1200</b>	<b>89.1</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.

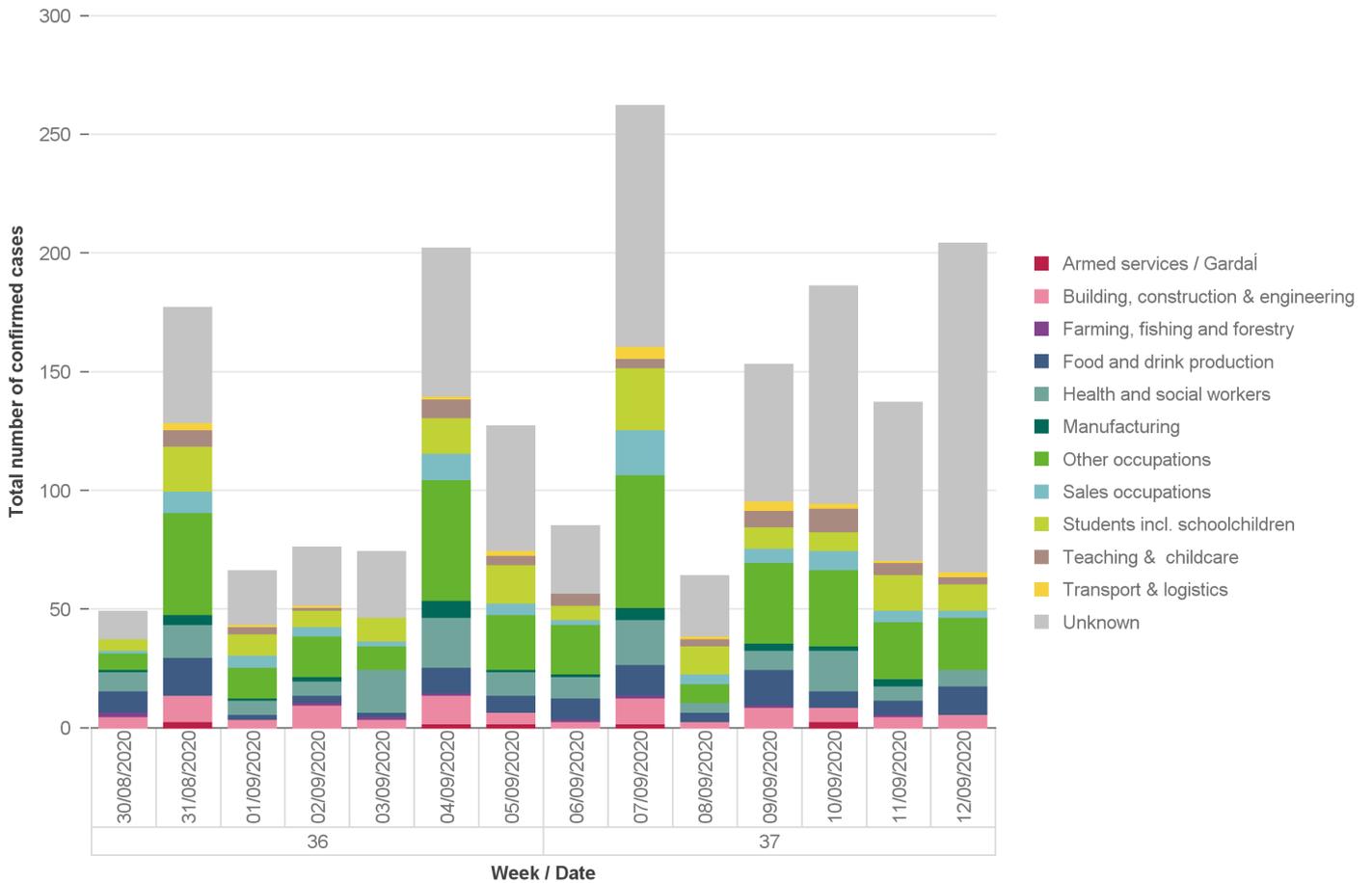
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 30/08/2020 to midnight 12/09/2020**

Most likely transmission source	Number of cases	Percent
Travel related	118	5.29%
Close contact with a known confirmed case	1,119	50.18%
Healthcare setting acquired: patient	57	2.56%
Healthcare setting acquired: staff	75	3.36%
Community transmission	595	26.68%
Under investigation	266	11.93%
<b>Total</b>	<b>2,230</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 30/08/2020 to midnight 12/09/2020**



**Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 30/08/2020 to midnight 12/09/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 30/08/2020 to midnight 12/09/2020 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	96	4	6.45	1	50
5-14 yrs	210	1	1.61	0	0
15-24 yrs	457	6	9.68	0	0
25-34 yrs	426	4	6.45	0	0
35-44 yrs	345			0	0
45-54 yrs	271	8	12.9	0	0
55-64 yrs	201	7	11.29	1	50
65-74 yrs	120	14	22.58	0	0
75-84 yrs	57	7	11.29	0	0
85+ yrs	46	11	17.74	0	0
Unknown	1			0	0
<b>Total</b>	<b>2,230</b>	<b>62</b>	<b>100</b>	<b>2</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 13:17 on 13/09/2020. 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.