



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

Report prepared by HPSC on 06/10/2020

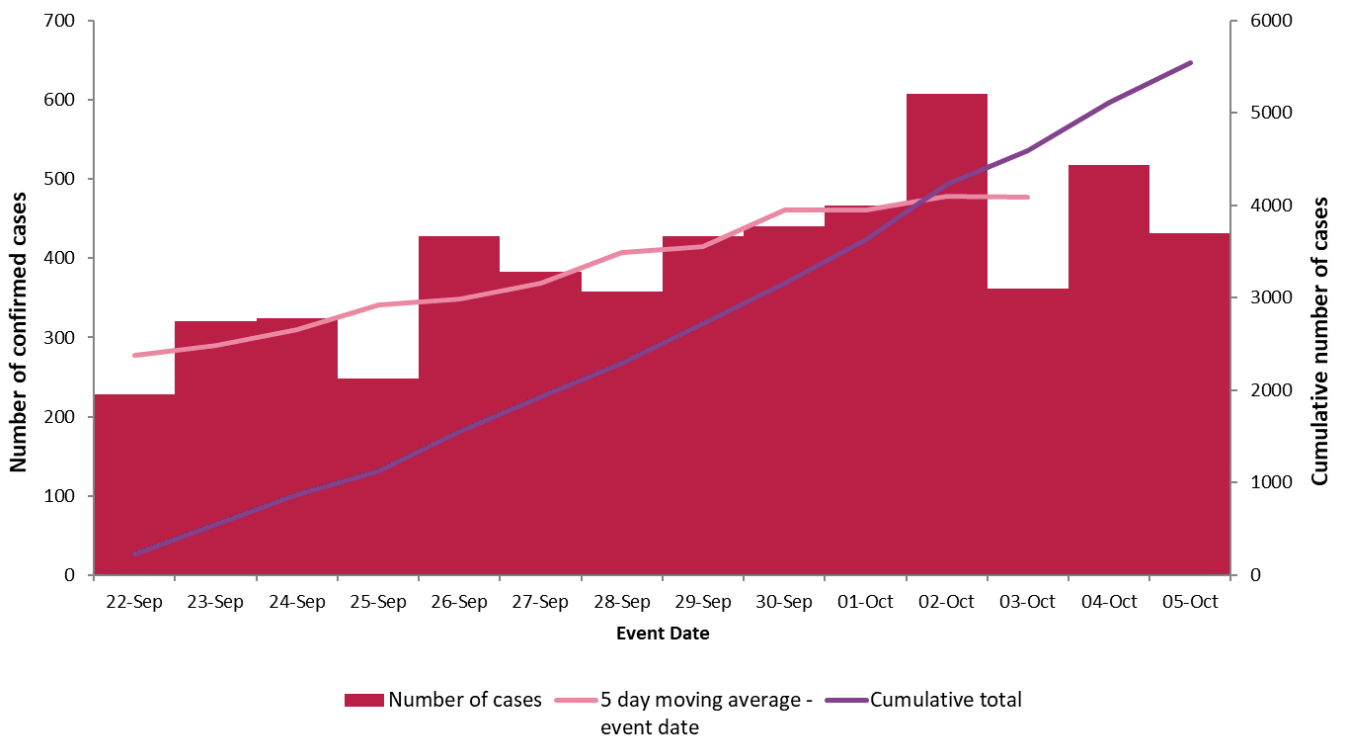
Summary characteristics of confirmed COVID-19 cases notified in Ireland from 22/09/2020 up to midnight 05/10/2020

	Number	Percent
Total number of confirmed cases	5,543	
National incidence of confirmed cases per 100,000 population	116.4	
Number of cases hospitalised*	152	2.74
Number of cases admitted to ICU*	5	0.09
Number of deaths among confirmed cases	6	0.11
Case fatality ratio (CFR, %)	0.11	
National incidence of confirmed deaths per 100,000 population	0.13	
Number of cases** associated with clusters	2,382	42.97
Number of imported cases	19	0.34
Number of cases in healthcare workers	349	6.3
Males	2,773	50.03
Females	2,761	49.81
M:F ratio	1	
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  
22/09/2020 - 05/10/2020

**Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:22 on 06/10/2020 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=5,543)**

**Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 22/09/2020 up to midnight on 05/10/202**

Characteristic		Number of cases	Percent
<b>Total number of confirmed cases</b>		<b>5,543</b>	<b>100</b>
<b>Sex</b>	Male:Female ratio	1	
	Male	2,773	50.03
	Female	2,761	49.81
	Unknown	9	0.16
<b>Age</b>	Median age (years)	33	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	136	2.45
	5-14 yrs	368	6.64
	15-24 yrs	1,405	25.35
	25-34 yrs	989	17.84
	35-44 yrs	830	14.97
	45-54 yrs	768	13.86
	55-64 yrs	564	10.17
	65-74 yrs	269	4.85
	75-84 yrs	146	2.63
	85+ yrs	68	1.23
<b>Underlying clinical conditions</b>	Yes	1,240	22.37
	No	3,712	66.97
	Unknown	591	10.66

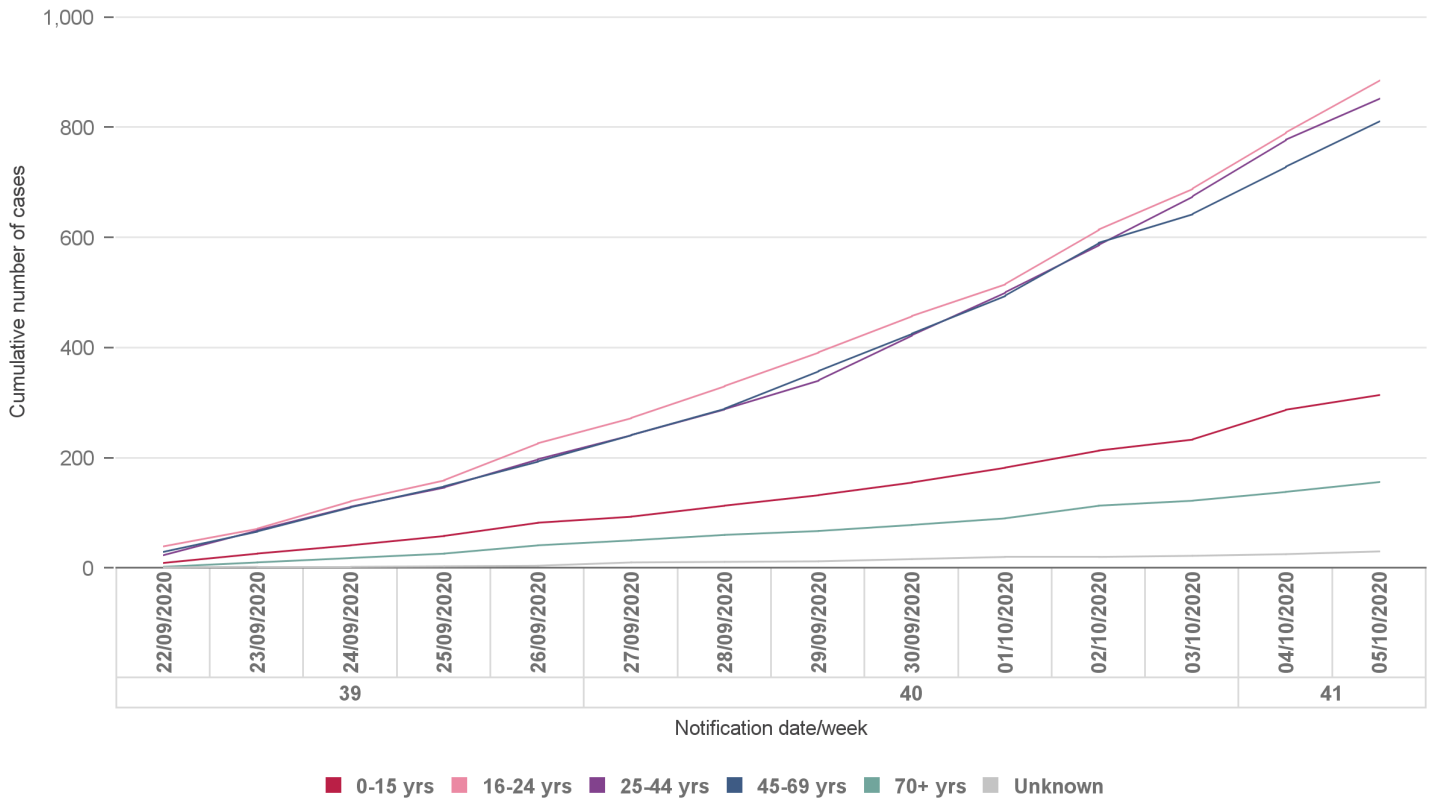


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 22/09/2020 to midnight 05/10/2020

**Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)\* notified from 22/09/2020 to midnight 05/10/2020**

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	766	13.82	1.06	37	55	7.18	347	45.3
CHO2	383	6.91	1.18	34	11	2.87	249	65.01
CHO3	385	6.95	0.95	31	10	2.6	79	20.52
CHO4	695	12.54	0.97	34	41	5.9	443	63.74
CHO5	244	4.4	0.95	39	20	8.2	109	44.67
CHO6	506	9.13	0.85	38	33	6.52	177	34.98
CHO7	886	15.98	1.03	38	48	5.42	373	42.1
CHO8	581	10.48	1.13	40	59	10.15	269	46.3
CHO9	1,097	19.79	0.96	36	72	6.56	336	30.63
<b>National</b>	<b>5,543</b>	<b>100</b>	<b>1</b>	<b>36</b>	<b>349</b>	<b>6.3</b>	<b>2,382</b>	<b>42.97</b>

**Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) \* notified in Ireland from 22/09/2020 to midnight 05/10/2020**

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	766	195.8
CHO2	383	84.5
CHO3	385	100.0
CHO4	695	100.6
CHO5	244	47.8
CHO6	506	132.1
CHO7	886	125.2
CHO8	581	93.8
CHO9	1097	176.5
<b>Ireland</b>	<b>5,543</b>	<b>116.4</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 22/09/2020 to midnight 05/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Carlow	24	42.2
Cavan	102	133.9
Clare	170	143.1
Cork	603	111.1
Donegal	467	293.4
Dublin	2187	162.3
Galway	238	92.2
Kerry	92	62.3
Kildare	192	86.3
Kilkenny	43	43.3
Laois	74	87.4
Leitrim	9	28.1
Limerick	188	96.5
Longford	62	151.7
Louth	115	89.2
Mayo	46	35.2
Meath	175	89.7
Monaghan	139	226.4
Offaly	81	103.9
Roscommon	99	153.4
Sligo	49	74.8
Tipperary	84	52.6
Waterford	36	31.0
Westmeath	73	82.2
Wexford	85	56.8
Wicklow	110	77.2
<b>Ireland</b>	<b>5,543</b>	<b>116.4</b>

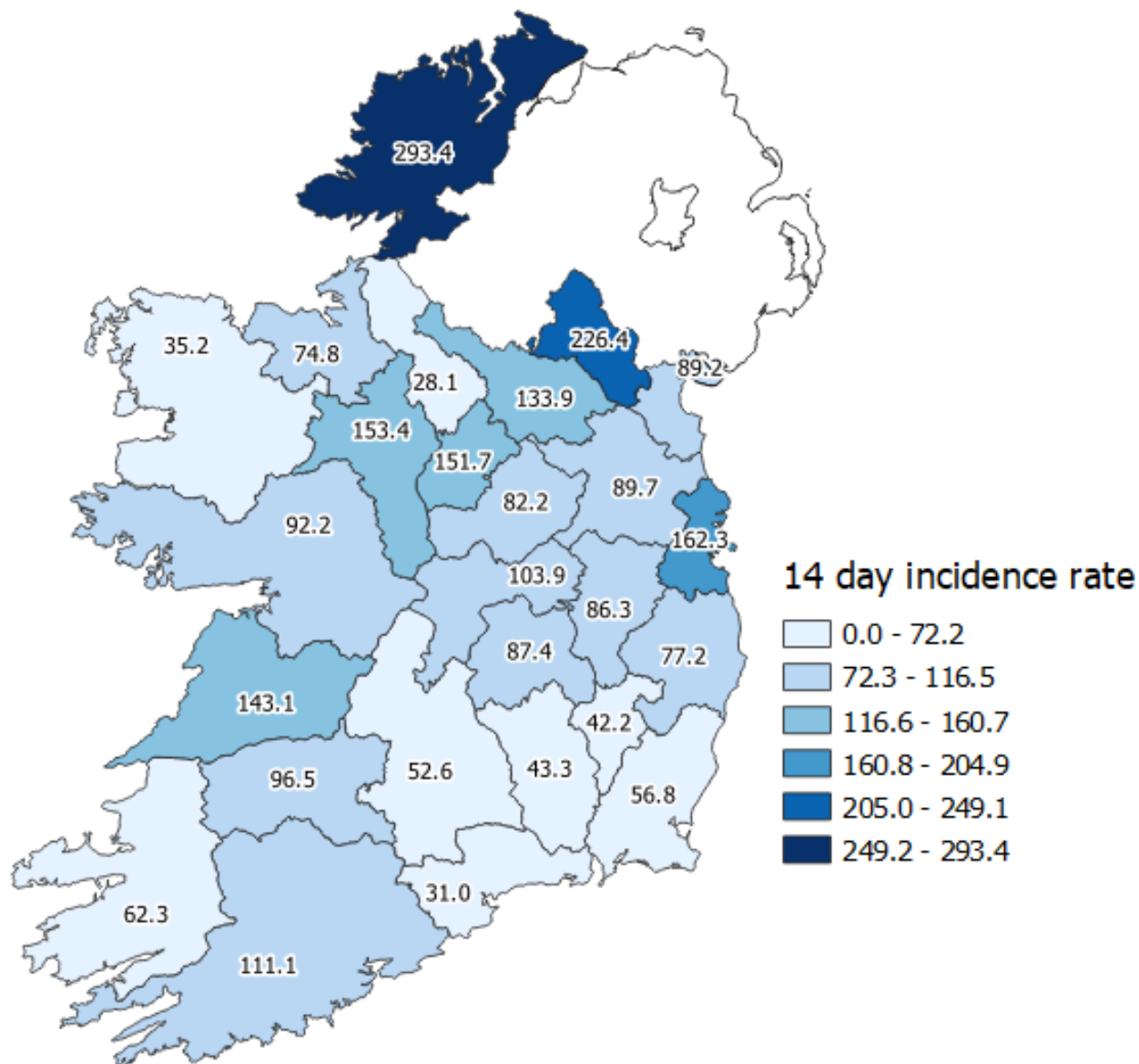


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 22/09/2020 to midnight 05/10/2020

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 22/09/2020 to midnight 05/10/2020**

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	130	95.5
CCA2	Dublin South East	273	220.7
CCA3	Dublin South City	178	118.7
CCA4	Dublin South West	252	156.6
CCA5	Dublin West	257	165.4
CCA6	Dublin North West	416	200.3
CCA7	Dublin North Central	333	215.4
CCA8	Dublin North	348	134.3
	<b>Dublin</b>	<b>2,187</b>	<b>162.3</b>

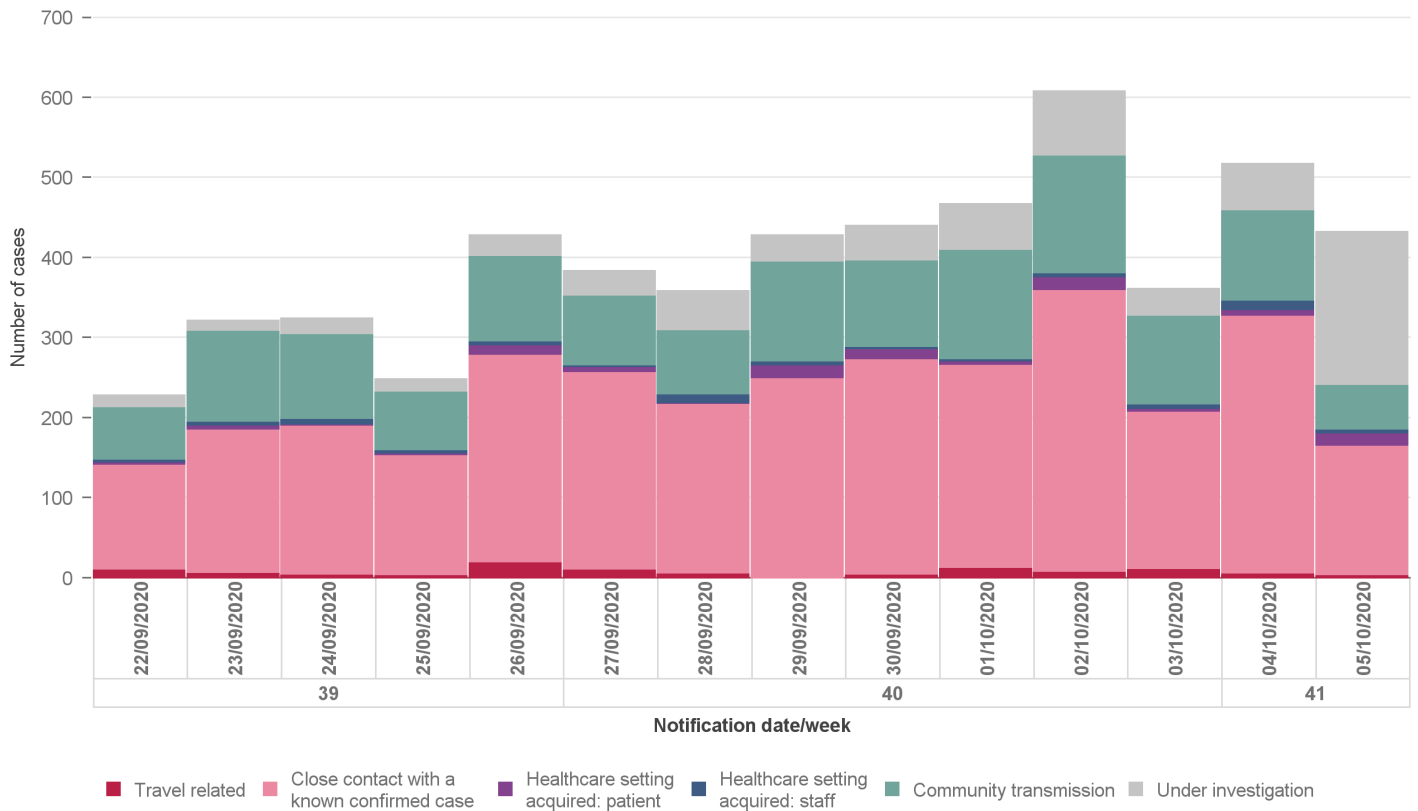
Note: Local health offices (LHOs) came into operation on 1st September 2005, replacing Community Care Areas (CCAs). LHO population denominators are used in this report rather than CCA population denominators. The LHO rates were calculated using Census 2016 LHO denominator data extracted from the HSE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



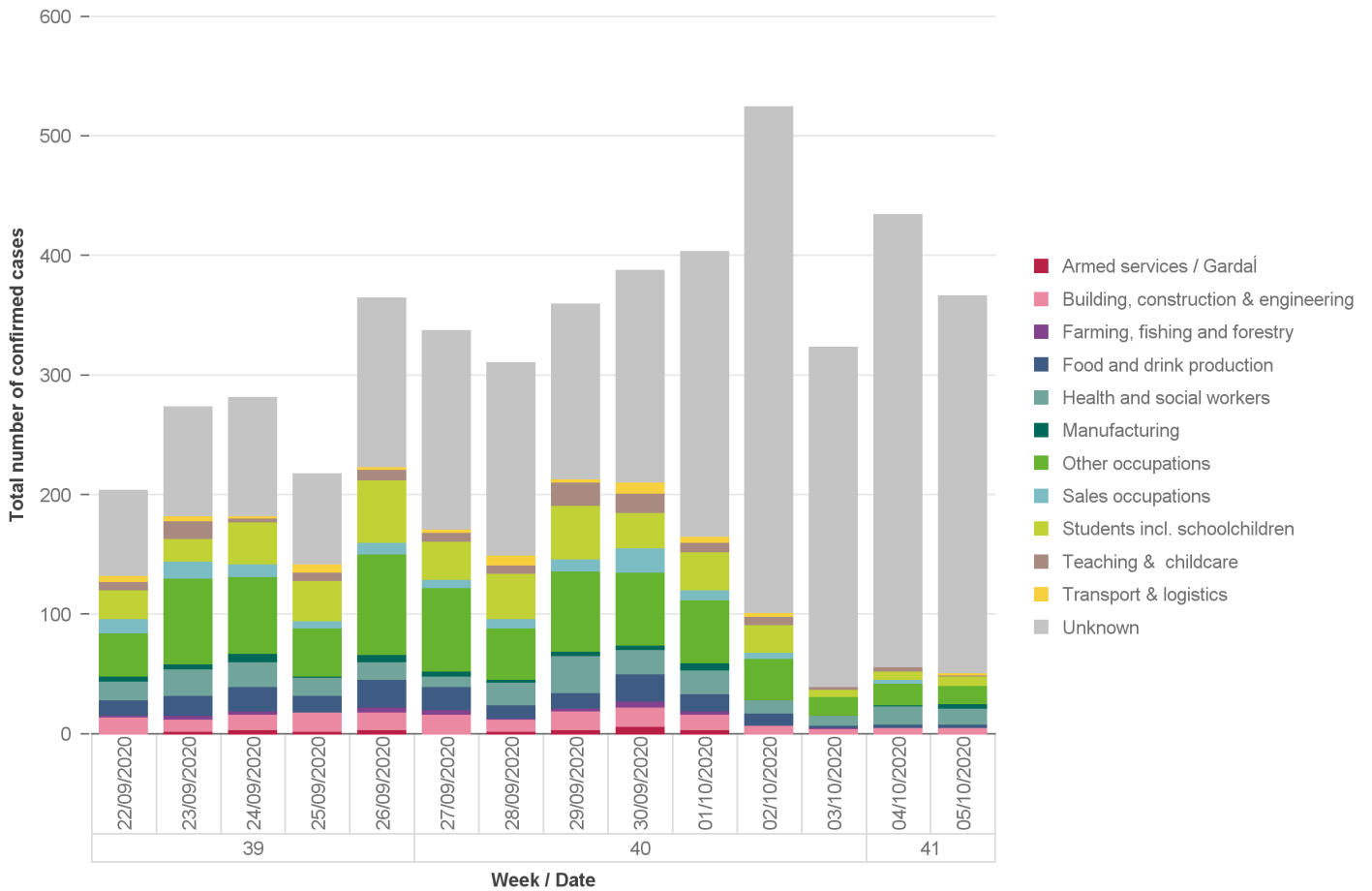
**Table 6: Number of confirmed COVID-19 cases by most likely transmission source notified from 22/09/2020 to midnight 05/10/2020**

Most likely transmission source	Number of cases	Percent
Travel related	86	1.55%
Close contact with a known confirmed case	3,167	57.14%
Healthcare setting acquired: patient	104	1.88%
Healthcare setting acquired: staff	75	1.35%
Community transmission	1,428	25.76%
Under investigation	683	12.32%
<b>Total</b>	<b>5,543</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 22/09/2020 to midnight 05/10/2020**



**Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation\* from 22/09/2020 to midnight 05/10/2020**

\*Among cases aged 16-69 years

**Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 22/09/2020 to midnight 05/10/2020 by age group, 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	136	5	3.29	0	0
5-14 yrs	368	9	5.92	0	0
15-24 yrs	1405	12	7.89	0	0
25-34 yrs	989	10	6.58	0	0
35-44 yrs	830	13	8.55	1	20
45-54 yrs	768	16	10.53	0	0
55-64 yrs	564	31	20.39	1	20
65-74 yrs	269	27	17.76	2	40
75-84 yrs	146	22	14.47	1	20
85+ yrs	68	7	4.61	0	0
<b>Total</b>	<b>5,543</b>	<b>152</b>	<b>100</b>	<b>5</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 13:22 on 06/10/2020. 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.