



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 15/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 01/10/2020 up to midnight 14/10/2020

	Number	Percent
Total number of confirmed cases	9,843	
National incidence of confirmed cases per 100,000 population	206.7	
Number of cases hospitalised*	276	2.8
Number of cases admitted to ICU*	21	0.21
Number of deaths among confirmed cases	14	0.14
Case fatality ratio (CFR, %)	0.14	
National incidence of confirmed deaths per 100,000 population	0.29	
Number of cases** associated with clusters	3,031	30.79
Number of imported cases	8	0.08
Number of cases in healthcare workers	525	5.33
Males	4,983	50.62
Females	4,843	49.2
M:F ratio	1.03	
Median age (years)	32	
Mean age (years)	35	
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 01/10/2020 - 14/10/2020

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 13:26 on 15/10/2020 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

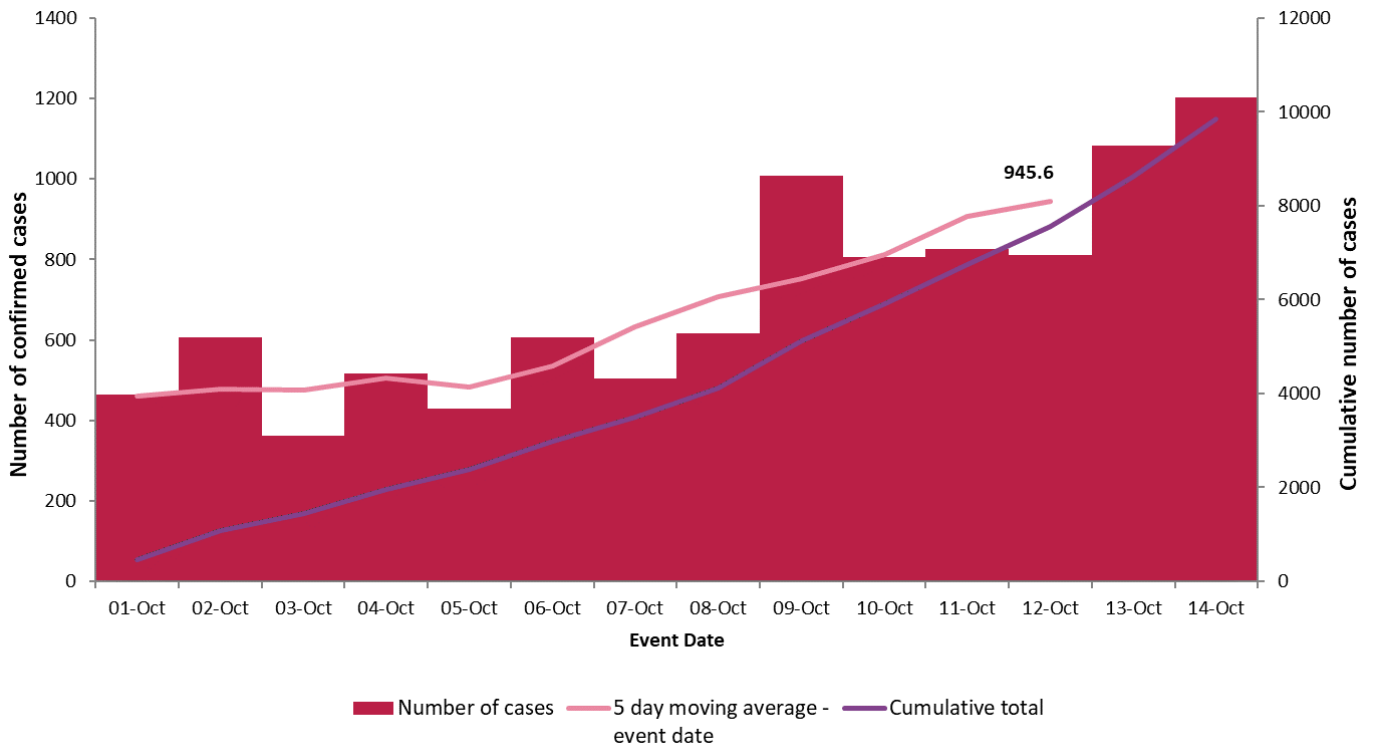


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=9,843)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 01/10/2020 up to midnight on 14/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,843	100
Sex	Male:Female ratio	1.03	
	Male	4,983	50.62
	Female	4,843	49.2
	Unknown	17	0.17
Age	Median age (years)	32	
	Mean age (years)	35	
	Age range (years)	0 - 98	
	0-4 yrs	269	2.73
	5-14 yrs	674	6.85
	15-24 yrs	2,722	27.65
	25-34 yrs	1,743	17.71
	35-44 yrs	1,360	13.82
	45-54 yrs	1,284	13.04
	55-64 yrs	949	9.64
	65-74 yrs	453	4.6
	75-84 yrs	240	2.44
	85+ yrs	145	1.47
	Unknown	4	0.04
Underlying clinical conditions	Yes	1,416	14.39
	No	6,001	60.97
	Unknown	2,426	24.65

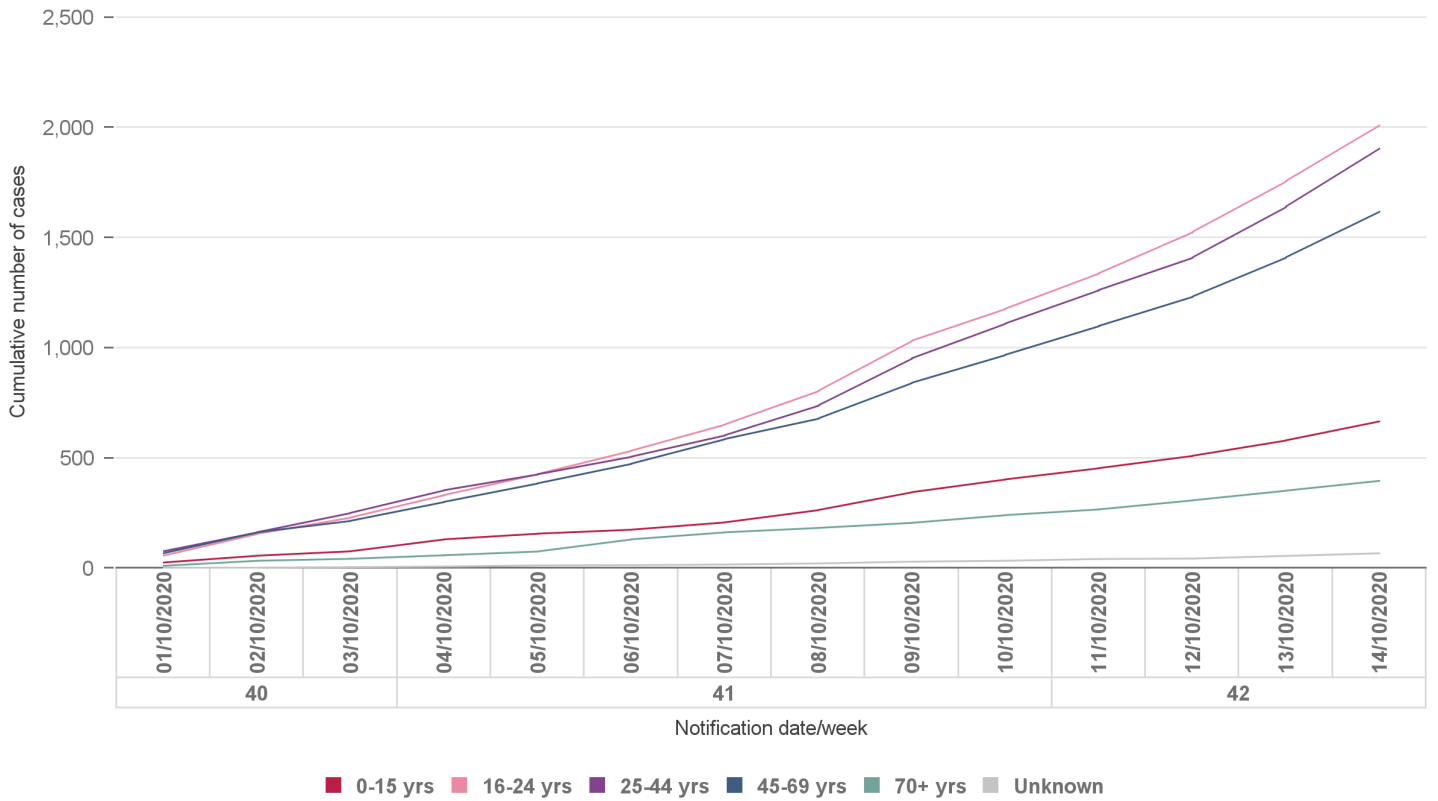


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 01/10/2020 to midnight 14/10/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 01/10/2020 to midnight 14/10/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	1,497	15.21	1.03	36	105	7.01	565	37.74
CHO2	795	8.08	0.99	32	26	3.27	390	49.06
CHO3	807	8.2	0.99	31	15	1.86	219	27.14
CHO4	1,525	15.49	1.07	35	69	4.52	550	36.07
CHO5	618	6.28	1.12	37	43	6.96	193	31.23
CHO6	494	5.02	0.78	37	36	7.29	138	27.94
CHO7	1,304	13.25	1.04	36	71	5.44	161	12.35
CHO8	1,432	14.55	1.22	38	69	4.82	373	26.05
CHO9	1,368	13.9	0.91	36	90	6.58	442	32.31
Unknown	3	0.03		32	<5	33.33	0	0
National	9,843	100	1.03	35	525	5.33	3,031	30.79

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) * notified in Ireland from 01/10/2020 to midnight 14/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1497	382.6
CHO2	795	175.5
CHO3	807	209.6
CHO4	1525	220.8
CHO5	618	121.1
CHO6	494	128.9
CHO7	1304	184.3
CHO8	1432	231.2
CHO9	1368	220.1
Unknown	3	0.0
Ireland	9,843	206.7

*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 01/10/2020 to midnight 14/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	487	639.3
Donegal	585	367.5
Meath	694	355.8
Monaghan	215	350.2
Clare	364	306.4
Sligo	158	241.1
Cork	1261	232.3
Westmeath	193	217.4
Limerick	404	207.3
Galway	525	203.4
Roscommon	131	203.0
Kildare	443	199.1
Dublin	2615	194.1
Longford	79	193.3
Wexford	282	188.3
Kerry	264	178.7
Leitrim	52	162.3
Louth	208	161.4
Laois	136	160.6
Offaly	119	152.6
Kilkenny	108	108.8
Mayo	139	106.5
Carlow	48	84.3
Waterford	96	82.6
Tipperary	126	79.0
Wicklow	111	77.9
Total	9,843	206.7

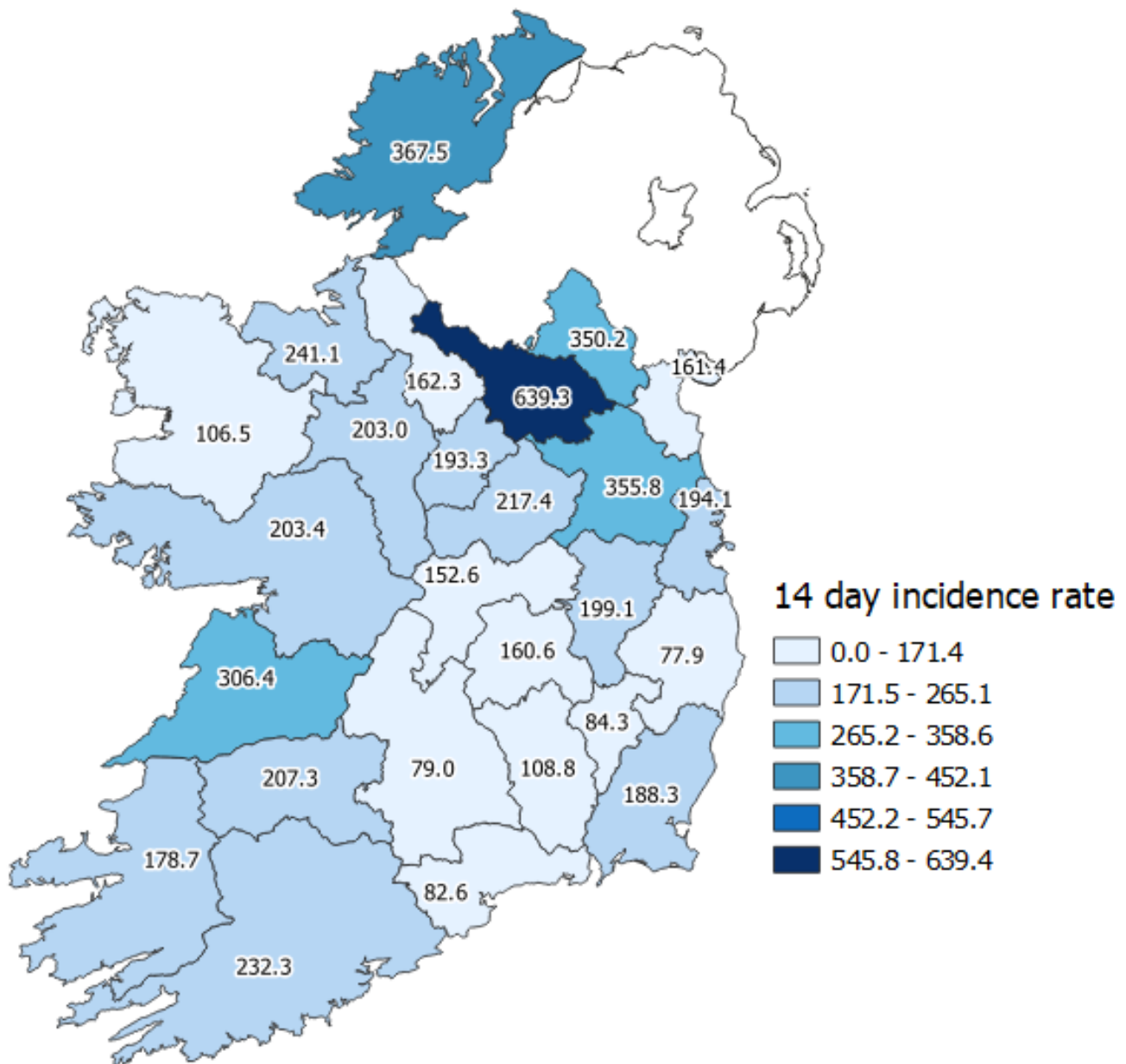


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 01/10/2020 to midnight 14/10/2020

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 01/10/2020 to midnight 14/10/2020

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	118	86.7
CCA2	Dublin South East	276	223.1
CCA3	Dublin South City	194	129.4
CCA4	Dublin South West	247	153.5
CCA5	Dublin West	409	263.3
CCA6	Dublin North West	573	275.9
CCA7	Dublin North Central	397	256.8
CCA8	Dublin North	398	153.6
	Unknown	3	
	Dublin	2,615	193.9

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 01/10/2020 to midnight 14/10/2020

Most likely transmission source	Number of cases	Percent
Travel related	69	0.70%
Close contact with a known confirmed case	4,829	49.06%
Healthcare setting acquired: patient	165	1.68%
Healthcare setting acquired: staff	121	1.23%
Community transmission	2,029	20.61%
Under investigation	2,630	26.72%
Total	9,843	100.00%

*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

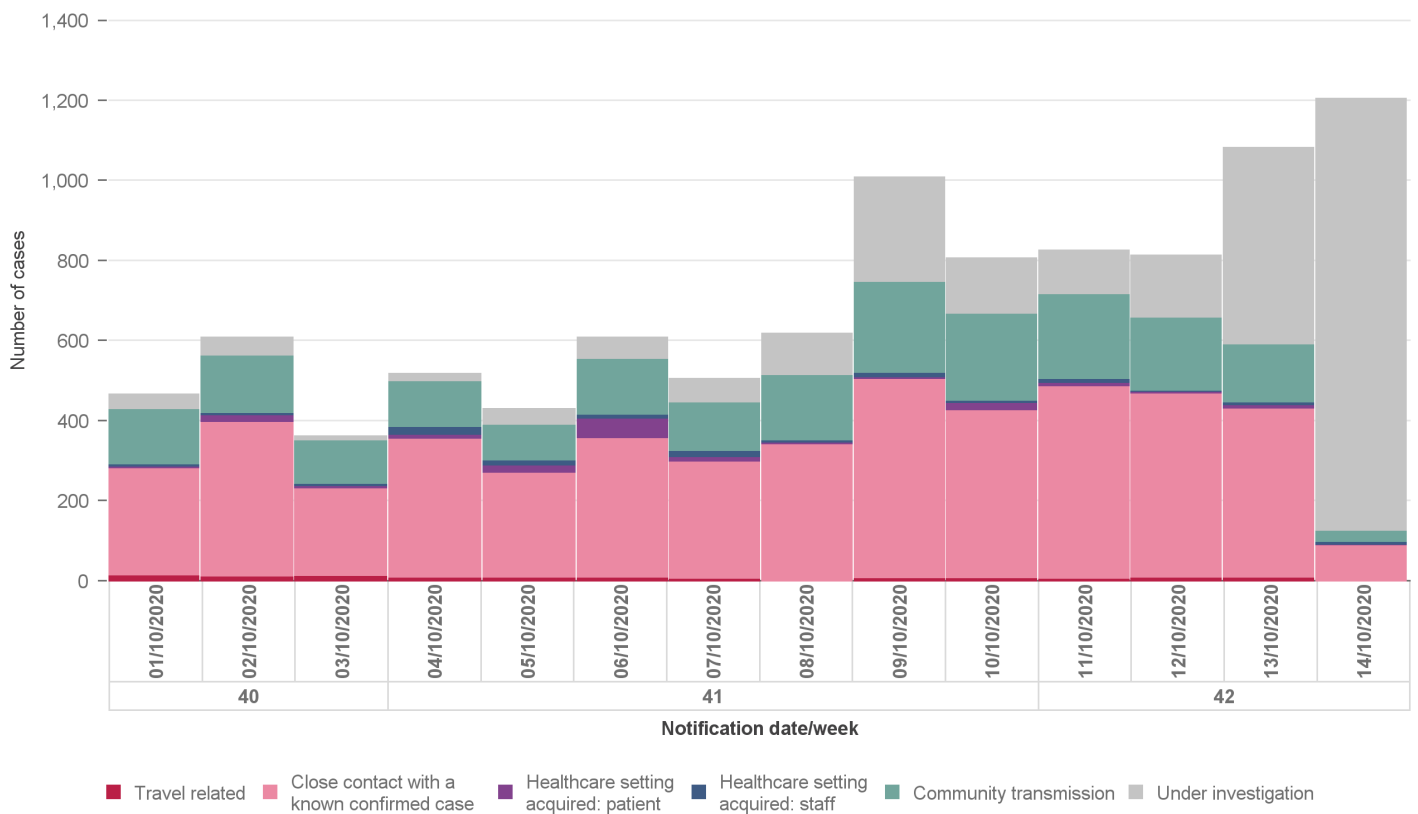


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 01/10/2020 to midnight 14/10/2020

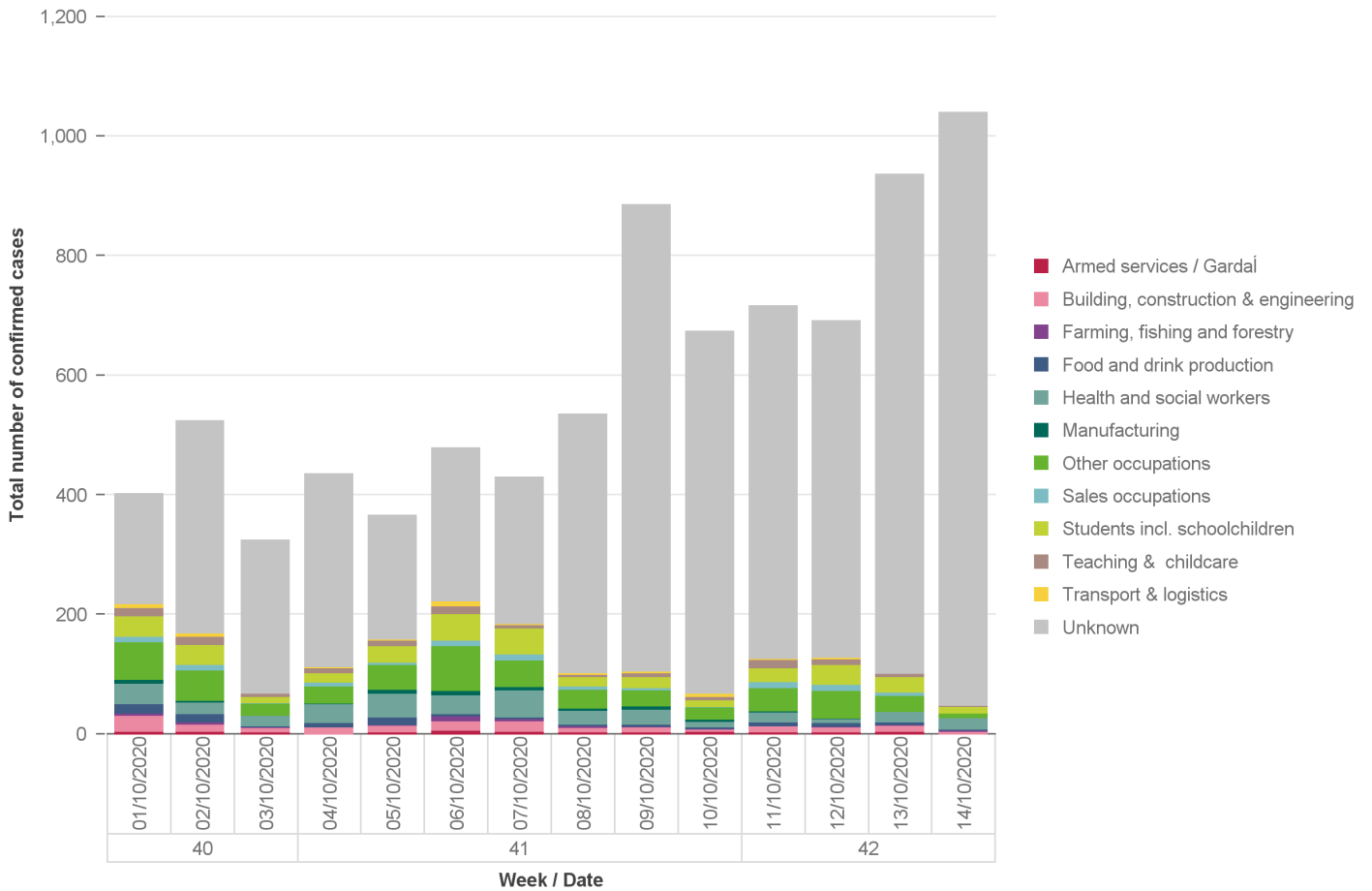


Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 01/10/2020 to midnight 14/10/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 01/10/2020 to midnight 14/10/2020 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	269	9	3.26	0	0
5-14 yrs	674	6	2.17	0	0
15-24 yrs	2722	21	7.61	1	4.76
25-34 yrs	1743	29	10.51	0	0
35-44 yrs	1360	19	6.88	3	14.29
45-54 yrs	1284	20	7.25	0	0
55-64 yrs	949	44	15.94	6	28.57
65-74 yrs	453	33	11.96	7	33.33
75-84 yrs	240	58	21.01	4	19.05
85+ yrs	145	36	13.04	0	0
Unknown	4	1	0.36	0	0
Total	9,843	276	100	21	100

* 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 15/10/2020. 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 the earliest of onset date, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date and 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 ≥ 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.