



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 14/10/2020

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 30/09/2020 up to midnight 13/10/2020

	Number	Percent
Total number of confirmed cases	9,079	
National incidence of confirmed cases per 100,000 population	190.66	
Number of cases symptomatic at time of test	5,473	60.28
Number of cases hospitalised*	259	2.85
Number of cases admitted to ICU*	20	0.22
Number of deaths among confirmed cases	12	0.13
Case fatality ratio (CFR, %)	0.13	
National incidence of confirmed deaths per 100,000 population	0.25	
Number of cases** associated with clusters	2,818	31.04
Number of imported cases	10	0.11
Number of cases in healthcare workers	493	5.43
Males	4,590	50.56
Females	4,473	49.27
M:F ratio	1.03	
Median age (years)	32	
Mean age (years)	36	
Age range (years)	0 - 98	

* The number of cases who display symptoms may be higher as these data are collected at the time of testing and admission to ICU

**Cases may be associated with outbreaks notified outside the timeframe of this report 30/09/2020 - 13/10/2020

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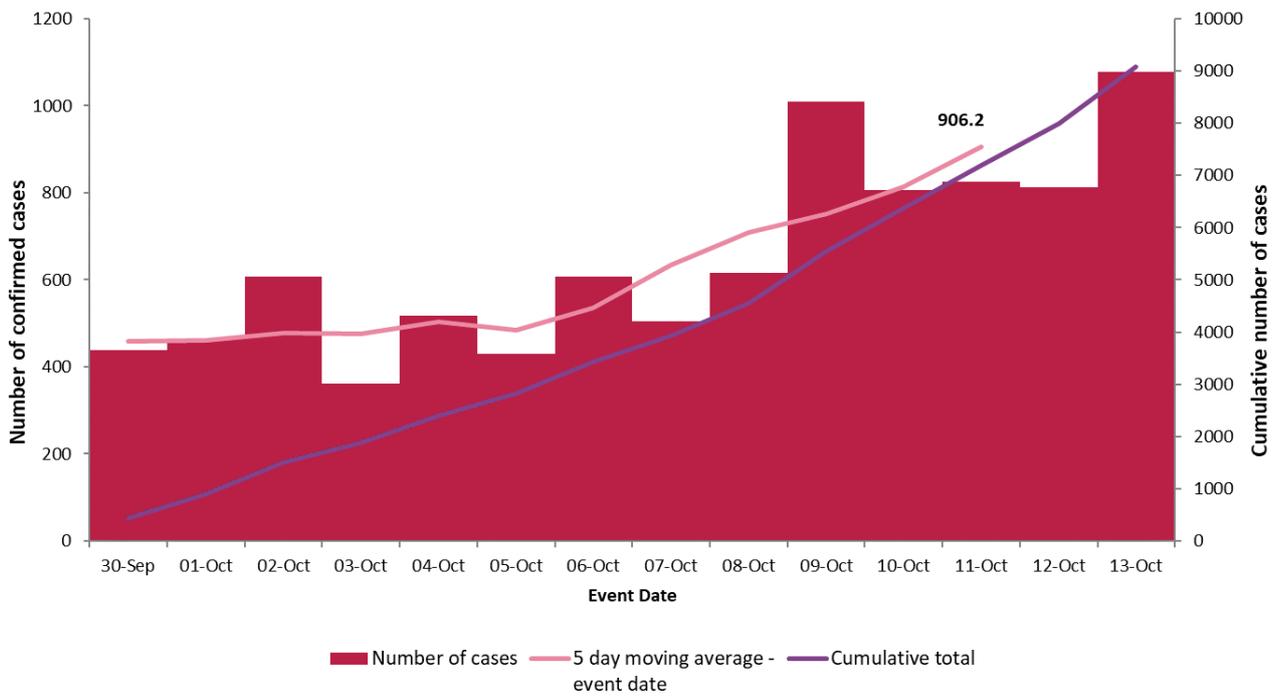


Figure 1. Daily number and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=9,079)

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland from 30/09/2020 up to midnight on 13/10/202

Characteristic		Number of cases	Percent
Total number of confirmed cases		9,079	100
Sex	Male:Female ratio	1.03	
	Male	4,590	50.56
	Female	4,473	49.27
	Unknown	16	0.18
Age	Median age (years)	32	
	Mean age (years)	36	
	Age range (years)	0 - 98	
	0-4 yrs	240	2.64
	5-14 yrs	606	6.67
	15-24 yrs	2,480	27.32
	25-34 yrs	1,620	17.84
	35-44 yrs	1,263	13.91
	45-54 yrs	1,176	12.95
	55-64 yrs	892	9.82
	65-74 yrs	423	4.66
	75-84 yrs	233	2.57
	85+ yrs	141	1.55
	Unknown	5	0.06
Underlying clinical conditions	Yes	1,422	15.66
	No	5,579	61.45
	Unknown	2,078	22.89
Symptom status at time of test	Yes	5,473	60.28
	No	1,393	15.34
	Unknown	2,213	24.37

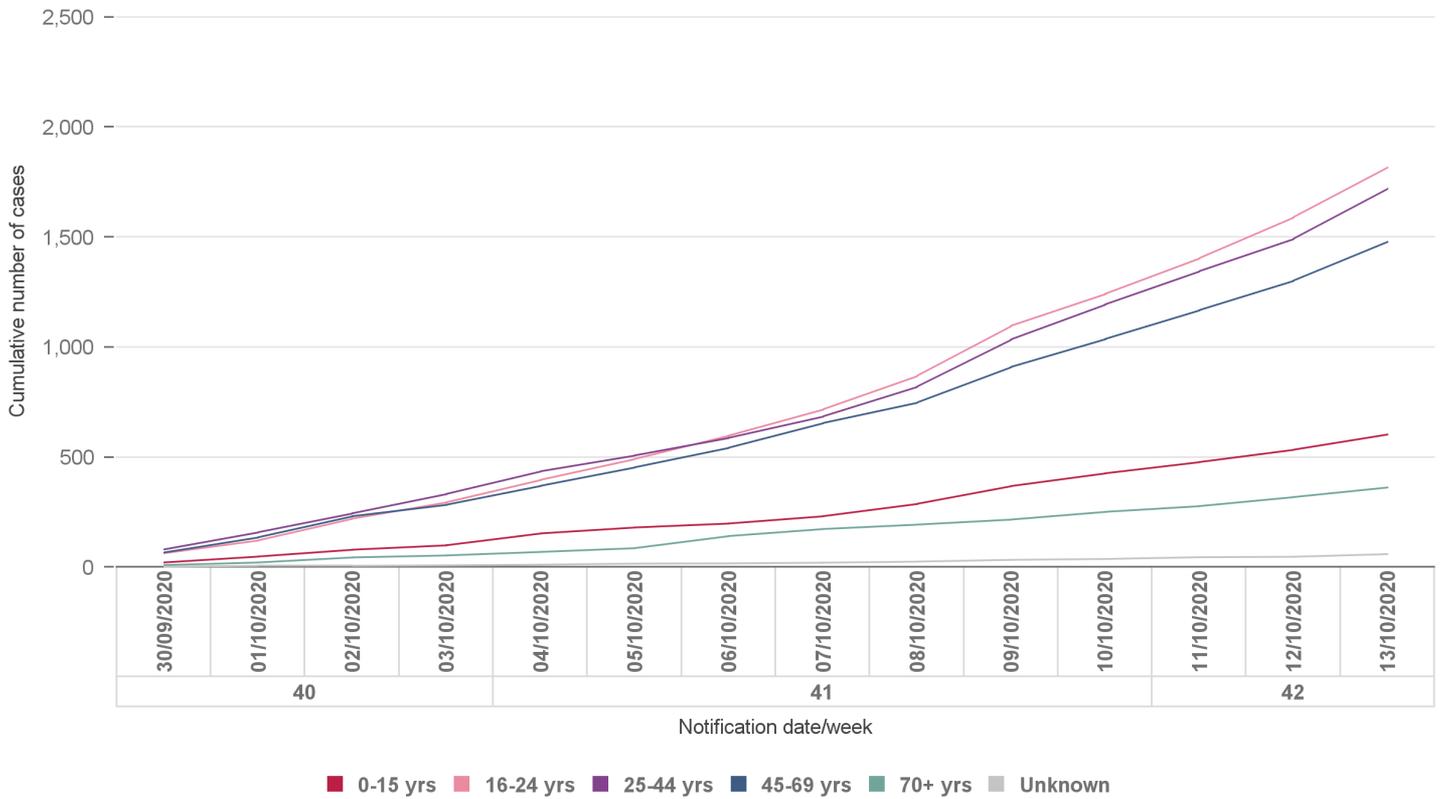


Figure 2: Cumulative number of confirmed COVID-19 cases notified in Ireland by date/week of notification and age group (years) from 30/09/2020 to midnight 13/10/2020

Table 2: Characteristics of confirmed COVID-19 cases by community healthcare organisation (CHO)* notified from 30/09/2020 to midnight 13/10/2020

CHO Area	Cases		M:F ratio	Mean age (years)	Healthcare workers		Associated with clusters	
	N	%			N	%	N	%
CHO1	1,402	15.44	1.03	36	89	6.35	563	40.16
CHO2	688	7.58	1.01	32	25	3.63	357	51.89
CHO3	780	8.59	1	31	15	1.92	198	25.38
CHO4	1,363	15.01	1.08	35	69	5.06	495	36.32
CHO5	581	6.4	1.18	38	33	5.68	189	32.53
CHO6	464	5.11	0.75	38	32	6.9	112	24.14
CHO7	1,228	13.53	1.02	36	65	5.29	159	12.95
CHO8	1,238	13.64	1.23	38	68	5.49	386	31.18
CHO9	1,335	14.7	0.88	36	97	7.27	359	26.89
National	9,079	100	1.03	36	493	5.43	2,818	31.04

Table 3: Number of confirmed COVID-19 cases by community healthcare organisation (CHO) * notified in Ireland from 30/09/2020 to midnight 13/10/2020

CHO Area	Number of confirmed cases	Incidence per 100,000 population
CHO1	1402	358.3
CHO2	688	151.8
CHO3	780	202.6
CHO4	1363	197.4
CHO5	581	113.8
CHO6	464	121.1
CHO7	1228	173.5
CHO8	1238	199.9
CHO9	1335	214.8
Total	9,079	190.7

*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 30/09/2020 to midnight 13/10/2020

County	Number of confirmed cases	Incidence per 100,000 population
Cavan	435	571.0
Monaghan	221	360.0
Donegal	563	353.7
Clare	365	307.2
Meath	585	299.9
Cork	1137	209.4
Sligo	136	207.5
Limerick	375	192.4
Roscommon	122	189.0
Kildare	419	188.3
Dublin	2498	185.4
Longford	74	181.0
Wexford	261	174.3
Galway	449	174.0
Westmeath	152	171.2
Louth	198	153.6
Kerry	226	153.0
Leitrim	47	146.7
Offaly	111	142.4
Laois	115	135.8
Kilkenny	104	104.8
Mayo	117	89.7
Tipperary	132	82.7
Carlow	46	80.8
Wicklow	110	77.2
Waterford	81	69.7
Total	9,079	190.7

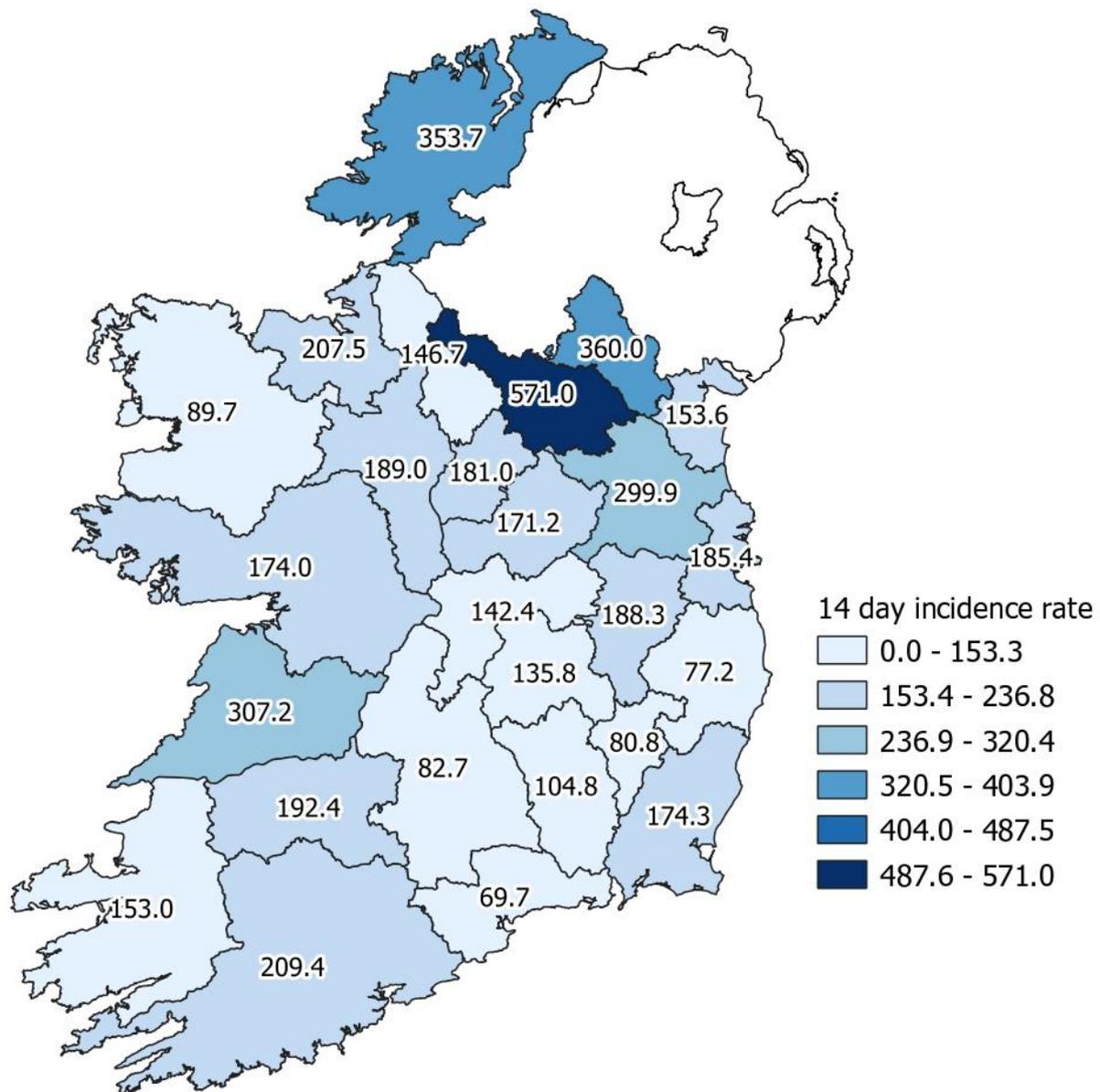


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland from 30/09/2020 to midnight 13/10/2020

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 30/09/2020 to midnight 13/10/2020

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	109	80.1
CCA2	Dublin South East	257	207.8
CCA3	Dublin South City	184	122.7
CCA4	Dublin South West	238	147.9
CCA5	Dublin West	375	241.4
CCA6	Dublin North West	540	260.0
CCA7	Dublin North Central	404	261.3
CCA8	Dublin North	391	150.9
	Dublin	2498	185.4

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 30/09/2020 to midnight 13/10/2020

Most likely transmission source	Number of cases	Percent
Travel related	66	0.73%
Close contact with a known confirmed case	4,539	49.99%
Healthcare setting acquired: patient	159	1.75%
Healthcare setting acquired: staff	105	1.16%
Community transmission	1,911	21.05%
Under investigation	2,299	25.32%
Total	9,079	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

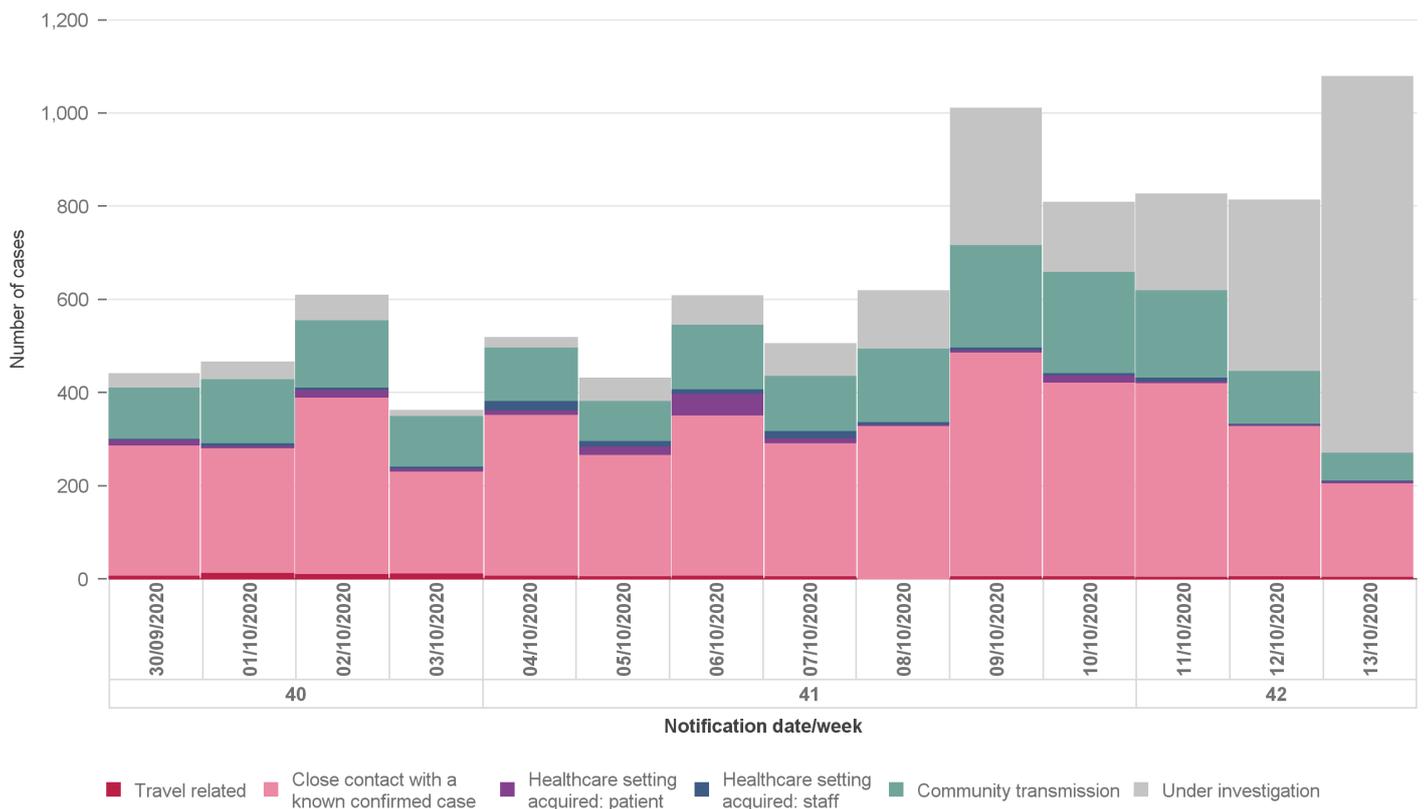


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 30/09/2020 to midnight 13/10/2020

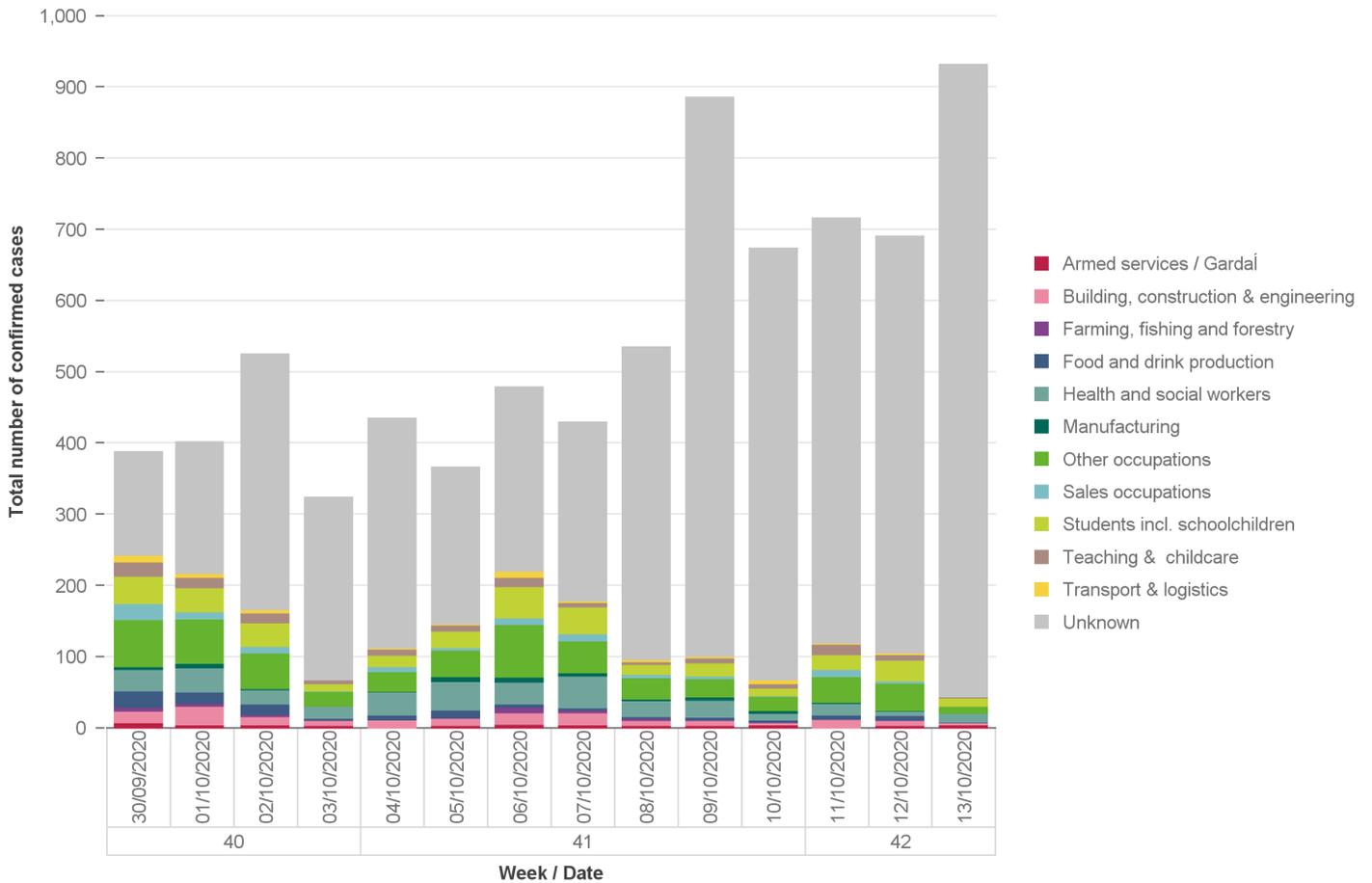


Figure 5: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and occupation* from 30/09/2020 to midnight 13/10/2020

*Among cases aged 16-69 years

Table 7: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 30/09/2020 to midnight 13/10/2020 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	240	9	3.47	0	0
5-14 yrs	606	7	2.7	0	0
15-24 yrs	2480	19	7.34	0	0
25-34 yrs	1620	27	10.42	0	0
35-44 yrs	1263	19	7.34	3	15
45-54 yrs	1176	14	5.41	0	0
55-64 yrs	892	40	15.44	5	25
65-74 yrs	423	34	13.13	8	40
75-84 yrs	233	57	22.01	4	20
85+ yrs	141	32	12.36	0	0
Unknown	5	1	0.39	0	0
Total	9,079	259	100	20	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 11:44 on 14/10/2020. 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 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 ≥ 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.