



Epidemiology of COVID-19 in Ireland - 14 day report

Report prepared by HPSC on 28/10/2021

Summary characteristics of confirmed COVID-19 cases notified in Ireland from 14/10/2021 up to midnight on 27/10/2021

| | Number | Percent |
|---|--------|---------|
| Total number of confirmed cases | 28,491 | |
| National incidence of confirmed cases per 100,000 | 598.3 | |
| Number of cases hospitalised* | 485 | 1.70 |
| Number of cases admitted to ICU* | 33 | 0.12 |
| Number of cases in healthcare workers | 861 | 3.02 |
| % where HCW is known | 4.8 | |
| Number of cases associated with clusters** | 1092 | 3.83 |
| Males | 13,954 | 49.0 |
| Females | 14,489 | 50.9 |
| M:F ratio | 0.96 | |
| Median age (years) | 37 | |
| Mean age (years) | 37 | |
| Age range (years) | 0-101 | |

* The number of cases hospitalised and admitted to ICU described in the above table relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

**Cases may be associated with outbreaks notified outside the timeframe of this report from 14/10/2021 up to midnight on 27/10/2021

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:00 on 28/10/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

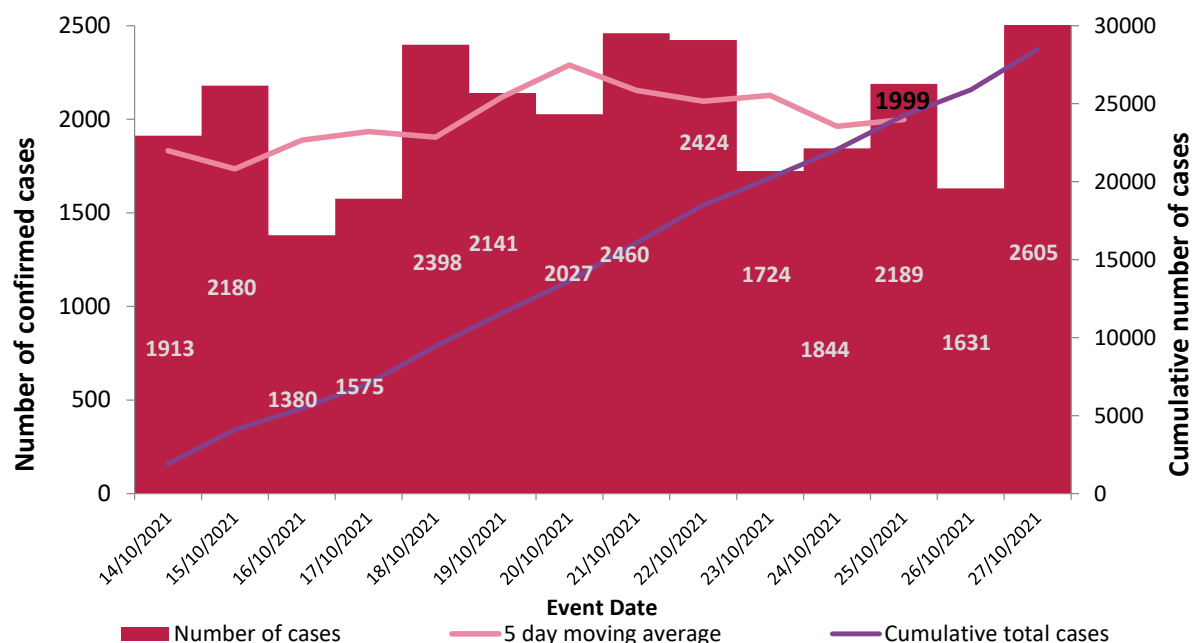


Figure 1a. Daily number* and cumulative number of confirmed cases of COVID-19, and 5-day moving average, by notification date (n=28491)

*Notifications of COVID-19 cases on CIDR may not correspond to the date of laboratory diagnosis. Notifications may be reduced at weekends. Cases diagnosed at weekends may be reflected in notifications early the following week

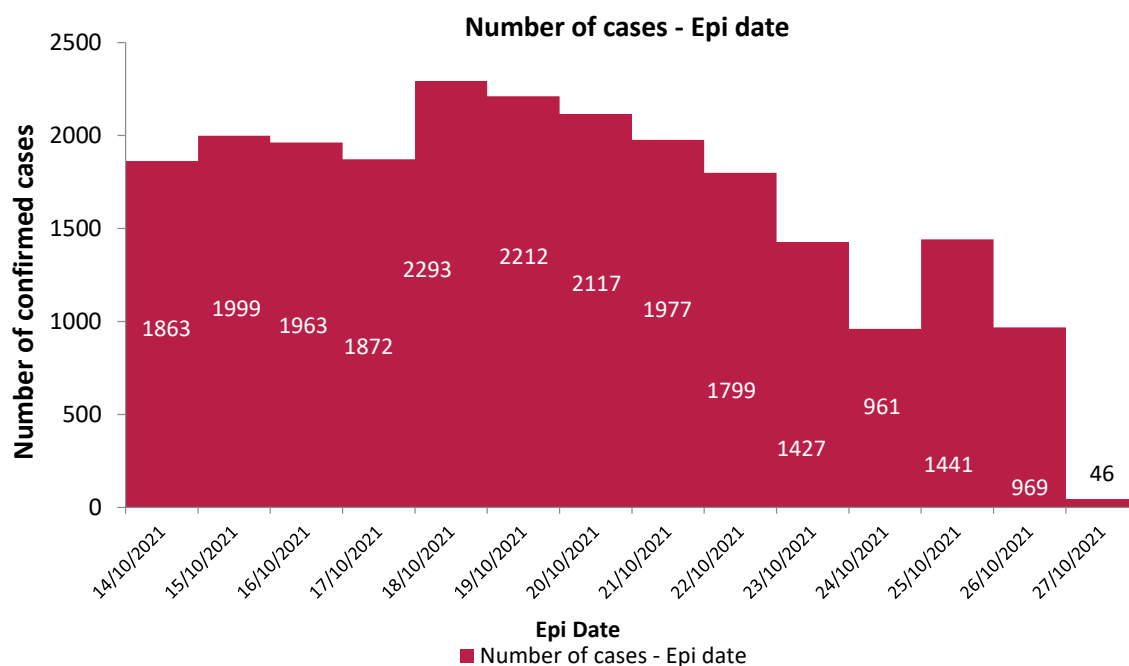


Figure 1b. Daily number of confirmed cases of COVID-19, by epidemiological date*

*Epidemiological date is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR.

Table 1: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 14/10/2021 up to midnight on 27/10/2021

| Characteristic | | Number of cases | Percent |
|--|--------------------|-----------------|------------|
| Total number of confirmed cases | | 28,491 | 100 |
| Sex | Male | 13,954 | 49.0 |
| | Female | 14,489 | 50.9 |
| | Unknown | 48 | 0.2 |
| Age | Median age (years) | 37 | |
| | Mean age (years) | 37 | |
| | Age range (years) | 0-101 | |
| | 0-4 yrs | 1385 | 4.9 |
| | 5-12 yrs | 4551 | 16.0 |
| | 13-18 yrs | 1413 | 5.0 |
| | 19-24 yrs | 2246 | 7.9 |
| | 25-34 yrs | 3699 | 13.0 |
| | 35-44 yrs | 4858 | 17.1 |
| | 45-54 yrs | 3751 | 13.2 |
| | 55-64 yrs | 3061 | 10.7 |
| | 65-74 yrs | 2257 | 7.9 |
| | 75-84 yrs | 948 | 3.3 |
| | 85+ yrs | 320 | 1.1 |
| | Unknown | 2 | |
| | Total | 28,491 | |

Table 2: Age and sex of characteristics of confirmed COVID-19 cases notified in Ireland from 14/10/2021 up to midnight on 27/10/2021

| Characteristic | | Number of cases | Percent | Percent where known |
|--|-------------------------|-----------------|------------|---------------------|
| Total number of confirmed cases | | 28,491 | 100 | |
| Symptom status at time of test* | Yes | 15151 | 53.2 | 85.9 |
| | No | 2496 | 8.8 | 14.1 |
| | Unknown | 10,844 | 38.1 | |
| | Total cases where known | 17647 | | |
| Healthcare worker | Yes | 861 | 3.0 | 4.8 |
| | No | 16924 | 59.4 | 95.2 |
| | Unknown | 10,706 | 37.6 | |
| | Total cases where known | 17785 | | |

*Symptom status is recorded at the time of test and is not updated, therefore a proportion of the asymptomatic cases may subsequently develop symptoms however this will not be captured in the data.

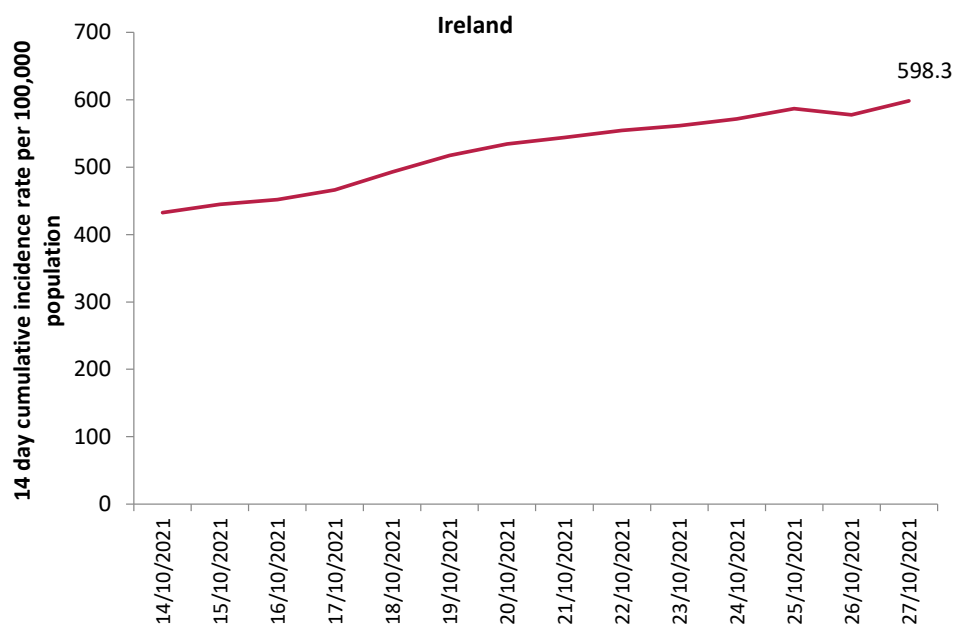


Figure 2: 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by notification date in Ireland from 14/10/2021 up to midnight on 27/10/2021

*14 day incidence rates per 100,000 populations of confirmed cases of COVID-19 for individual counties can be found in appendix 1 of this report

Table 3: Number of confirmed COVID-19 cases by county notified in Ireland from 14/10/2021 up to midnight on 27/10/2021, 7 day numbers are reported from 21/10/2021 up to midnight on 27/10/2021

| County | Number of confirmed cases in last 7 days | 7-day Incidence per 100,000 population | Number of confirmed cases in last 14 days | 14-day Incidence per 100,000 population | 7 day incidence rate as a percentage of 14 day rate | 5 day moving average of confirmed cases (23/10/2021 - 27/10/2021) |
|---------------|--|--|---|---|---|---|
| Carlow | 340 | 597.2 | 630 | 1106.6 | 53.97 | 40 |
| Longford | 238 | 582.3 | 490 | 1198.8 | 48.57 | 28 |
| Waterford | 672 | 578.4 | 1402 | 1206.8 | 47.93 | 81 |
| Kerry | 794 | 537.6 | 1505 | 1018.9 | 52.76 | 104 |
| Louth | 499 | 387.2 | 895 | 694.4 | 55.75 | 68 |
| Laois | 318 | 375.5 | 624 | 736.7 | 50.96 | 45 |
| Limerick | 730 | 374.6 | 1334 | 684.5 | 54.72 | 98 |
| Clare | 438 | 368.6 | 858 | 722.1 | 51.05 | 61 |
| Cork | 1,738 | 320.2 | 3061 | 563.9 | 56.78 | 240 |
| Donegal | 487 | 305.9 | 945 | 593.6 | 51.53 | 59 |
| Leitrim | 97 | 302.7 | 199 | 621.0 | 48.74 | 10 |
| Westmeath | 258 | 290.6 | 587 | 661.3 | 43.95 | 36 |
| Dublin | 3,898 | 289.3 | 7484 | 555.5 | 52.08 | 551 |
| Cavan | 220 | 288.8 | 429 | 563.2 | 51.28 | 25 |
| Meath | 558 | 286.1 | 1175 | 602.4 | 47.49 | 75 |
| Galway | 718 | 278.2 | 1302 | 504.5 | 55.15 | 102 |
| Tipperary | 434 | 272.0 | 811 | 508.3 | 53.51 | 52 |
| Offaly | 205 | 263.0 | 380 | 487.4 | 53.95 | 26 |
| Kilkenny | 255 | 257.0 | 516 | 520.0 | 49.42 | 32 |
| Kildare | 565 | 253.9 | 1087 | 488.5 | 51.98 | 78 |
| Sligo | 164 | 250.2 | 289 | 441.0 | 56.75 | 18 |
| Wexford | 371 | 247.8 | 649 | 433.5 | 57.16 | 49 |
| Wicklow | 350 | 245.7 | 668 | 469.0 | 52.40 | 51 |
| Roscommon | 158 | 244.8 | 377 | 584.1 | 41.91 | 21 |
| Monaghan | 123 | 200.4 | 289 | 470.8 | 42.56 | 16 |
| Mayo | 249 | 190.8 | 505 | 387.0 | 49.31 | 34 |
| Unknown/Other | | | | | | |
| Total | 14,877 | 312.4 | 28491 | 598.3 | 52.22 | 1999 |

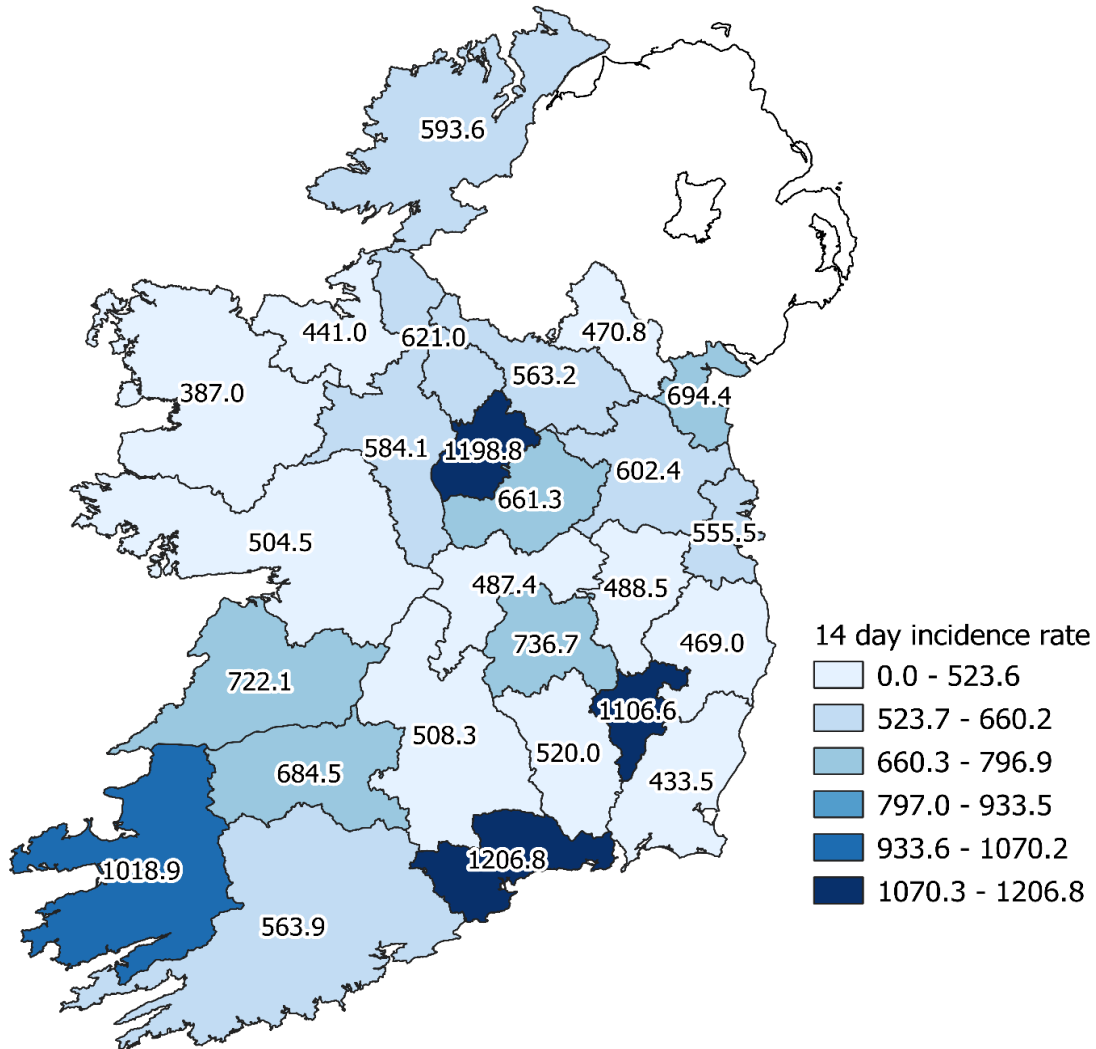


Figure 3: Cumulative incidence rates of confirmed COVID-19 cases per 100,000 population by county notified in Ireland between 14/10/2021 up to midnight on 27/10/2021

Please do not directly compare county shades to previous maps. The categories listed will change as the number of cases change, which may result in changes to the map shading.

Table 4: Number of confirmed COVID-19 cases by most likely transmission source notified from 14/10/2021 up to midnight on 27/10/2021, by age group, hospitalisation and ICU admission*

| Most likely transmission source | Number of cases | Percent |
|--|-----------------|---------|
| Travel related* | 481 | 1.7 |
| Close contact with a known confirmed case | 8657 | 30.4 |
| Healthcare setting acquired: patient | 148 | 0.5 |
| Healthcare setting acquired: staff | 151 | 0.5 |
| Community transmission | 7265 | 25.5 |
| Under investigation | 11,789 | 41.4 |
| Total cases with known most likely transmission source | 16702 | |
| Total | 28,491 | |

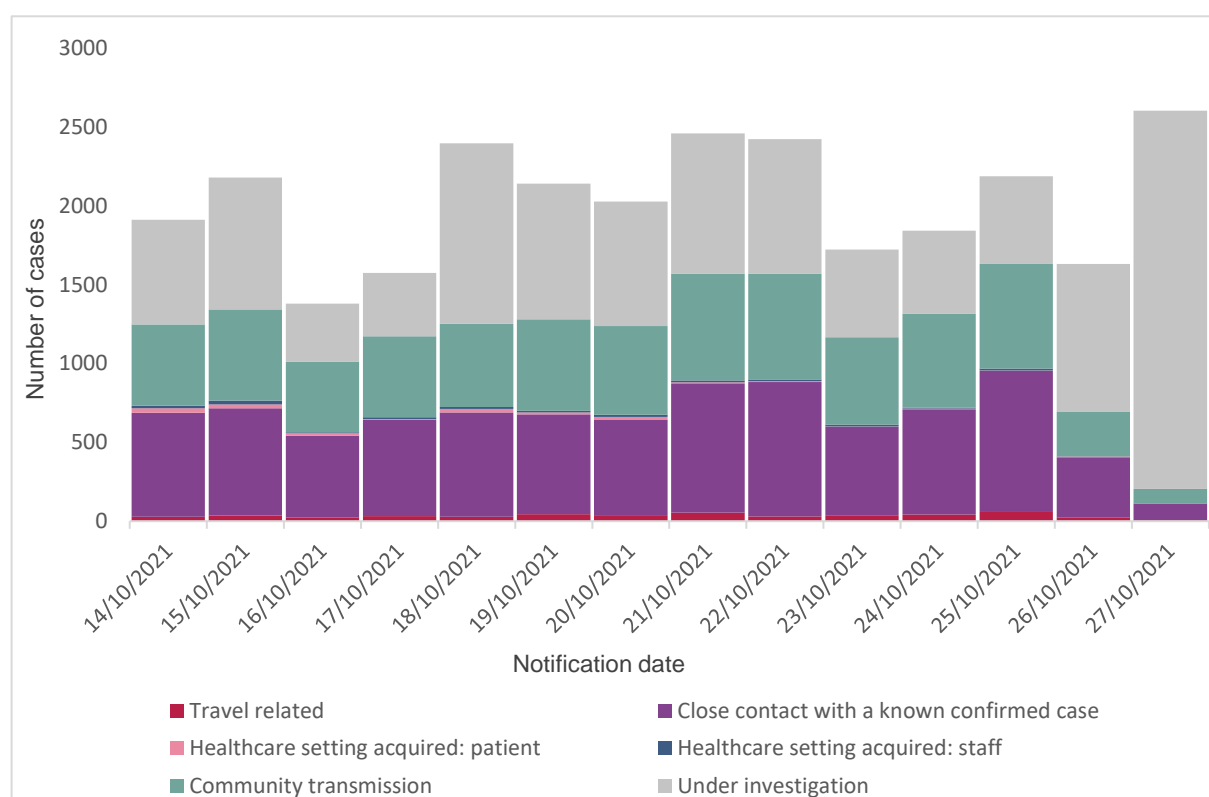


Figure 4: Number of confirmed COVID-19 cases notified in Ireland by date/week of notification and most likely transmission source from 14/10/2021 up to midnight on 27/10/2021

*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

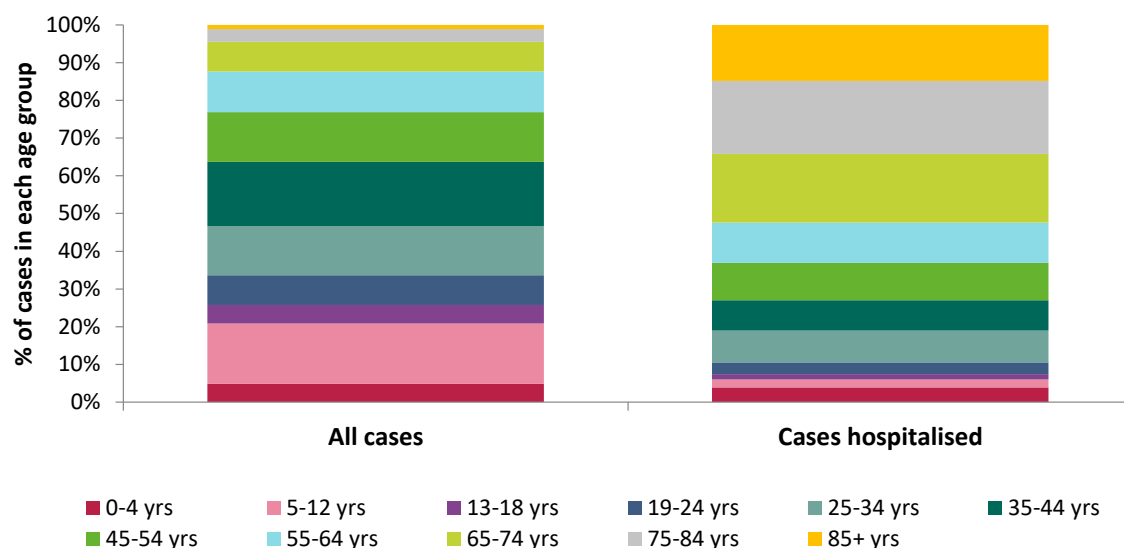


Figure 5: Percentage of confirmed cases of COVID-19 notified in Ireland from 14/10/2021 up to midnight on 27/10/2021, in each age group, all cases, cases admitted to hospital and cases admitted to ICU*

Table 5: Cumulative number of confirmed cases of COVID-19 notified in Ireland from 14/10/2021 up to midnight on 27/10/2021, by age group, hospitalisation and ICU admission*

| Age Group (years) | Number of cases (n) | Number of cases (%) | Cases hospitalised (n) | Cases hospitalised (%) | Cases admitted to ICU (n) | Cases admitted to ICU (%) |
|-------------------|---------------------|---------------------|------------------------|------------------------|---------------------------|---------------------------|
| 0-4 yrs | 1385 | 4.9 | 19 | 3.9 | 0 | 0.0 |
| 5-12 yrs | 4551 | 16.0 | 10 | 2.1 | 0 | 0.0 |
| 13-18 yrs | 1413 | 5.0 | 7 | 1.4 | 0 | 0.0 |
| 19-24 yrs | 2246 | 7.9 | 15 | 3.1 | 0 | 0.0 |
| 25-34 yrs | 3699 | 13.0 | 41 | 8.5 | <5 | - |
| 35-44 yrs | 4858 | 17.1 | 39 | 8.0 | 5 | - |
| 45-54 yrs | 3751 | 13.2 | 48 | 9.9 | <5 | 15.2 |
| 55-64 yrs | 3061 | 10.7 | 52 | 10.7 | 7 | 21.2 |
| 65-74 yrs | 2257 | 7.9 | 88 | 18.1 | 11 | 33.3 |
| 75-84 yrs | 948 | 3.3 | 94 | 19.4 | <5 | - |
| 85+ yrs | 320 | 1.1 | 72 | 14.8 | <5 | - |
| Unknown | 2 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Total | 28491 | 100 | 485 | 100 | 33 | 100 |

* The number of cases hospitalised and admitted to ICU described in the above table and figure relate only to COVID-19 cases who were notified during this reporting period, and where the outcome is known at the time of reporting. It does not reflect all hospitalisations and ICU admissions related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised or admitted to ICU for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.

Table 6: Daily number of confirmed COVID-19 cases notified in Ireland from 14/10/2021 up to midnight on 27/10/2021

| Date | Number of confirmed cases |
|--------------|---------------------------|
| 14/10/2021 | 1913 |
| 15/10/2021 | 2180 |
| 16/10/2021 | 1380 |
| 17/10/2021 | 1575 |
| 18/10/2021 | 2398 |
| 19/10/2021 | 2141 |
| 20/10/2021 | 2027 |
| 21/10/2021 | 2460 |
| 22/10/2021 | 2424 |
| 23/10/2021 | 1724 |
| 24/10/2021 | 1844 |
| 25/10/2021 | 2189 |
| 26/10/2021 | 1631 |
| 27/10/2021 | 2605 |
| Total | 28,491 |

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. 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. Population data

Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 years, 13-18 years, 19-24 years, 25-34 years, 35-44 years, 45-54 years, 55-64 years, 65-74 years, 75-84 years and ≥ 85 years.

3. Epidemiological date

The epi-date is the epidemiological date for a case. It is based on the earliest of dates available on the case and taken from date of onset of symptoms, date of diagnosis, laboratory specimen collection date, laboratory received date, laboratory reported date or event creation date/notification date on CIDR. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification.

Appendix 1

Figure A. 14 day cumulative incidence rates per 100,000 population of confirmed cases of COVID-19 by county (14/10/2021 to 27/10/2021)

