

Weekly Report on the Epidemiology of COVID-19 in Ireland

Week 8

Health Protection Surveillance Centre, HPSC

COVID-19 Epidemiology Team, 01/03/2021

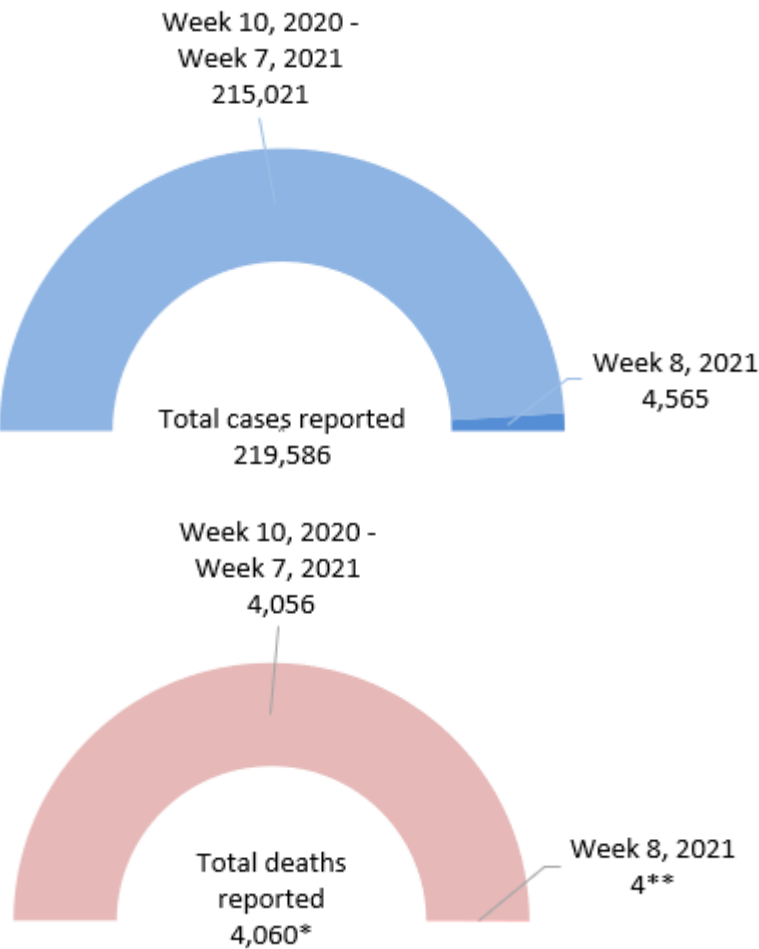
Dates to note:

- Week 8 2021 (21st February to 27th February 2021)
- Week 48 2020 (22nd to 28th November 2020)
- Week 10 2020 (1st to 7th March 2020) – The beginning of the pandemic in Ireland

Note: The epidemiological weeks in this report, run from Sunday to Saturday, please refer to appendix 1 for a complete list of epidemiological weeks with start and end dates.

Note: Data were extracted from Computerised Infectious Disease Reporting (CIDR) system on 01/03/2021 and are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Summary characteristics of COVID-19 cases notified in Ireland



* Total deaths reported include deaths from confirmed cases only

**The number of deaths relate only to cases who were notified and who died in week 8. It does not include cases who were notified prior to week 8 and who died in week 8

| | Total (week 10, 2020- week 8, 2021) | | Week 8, 2021 | |
|---|--|---------|--------------|---------|
| | Number | Percent | Number | Percent |
| Total number of confirmed cases | 219,586 | | 4,565 | |
| Incidence rate of confirmed cases per 100,000 population | 4611.3 | | 95.9 | |
| Number of cases hospitalised | 12,914 | 5.88 | 267*** | 5.85 |
| Number of cases admitted to ICU | 1,296 | 0.59 | 9*** | 0.20 |
| Number of deaths among confirmed cases | 4,060 | 1.85 | 4 | 0.09 |
| Case fatality ratio (CFR %) | 1.85 | | 0.09 | |
| Incidence rate of confirmed deaths per 100,000 population | 85.26 | | 0.08 | |
| Number of cases associated with clusters | 64,195 | 29.23 | 550 | 12.05 |
| Number of imported cases | 1014 | 0.46 | 7 | 0.15 |
| Number of cases in healthcare workers | 27,148 | 12.36 | 229 | 5.02 |
| Males | 104,230 | 47.47 | 2,245 | 49.18 |
| Females | 115,282 | 52.50 | 2,314 | 50.69 |
| M:F ratio | 0.90 | | 0.97 | |
| Median (years) | 38 | | 33 | |
| Mean age (years) | 40 | | 35 | |
| Age range (years) | 0 - 108 | | 0 - 99 | |

***The number of cases who were hospitalised and the number of cases who were admitted to ICU relate only to cases who were notified and admitted to hospital or ICU in week 8. It does not include cases who were notified prior to week 8 and who were admitted to hospital or ICU in week 8.

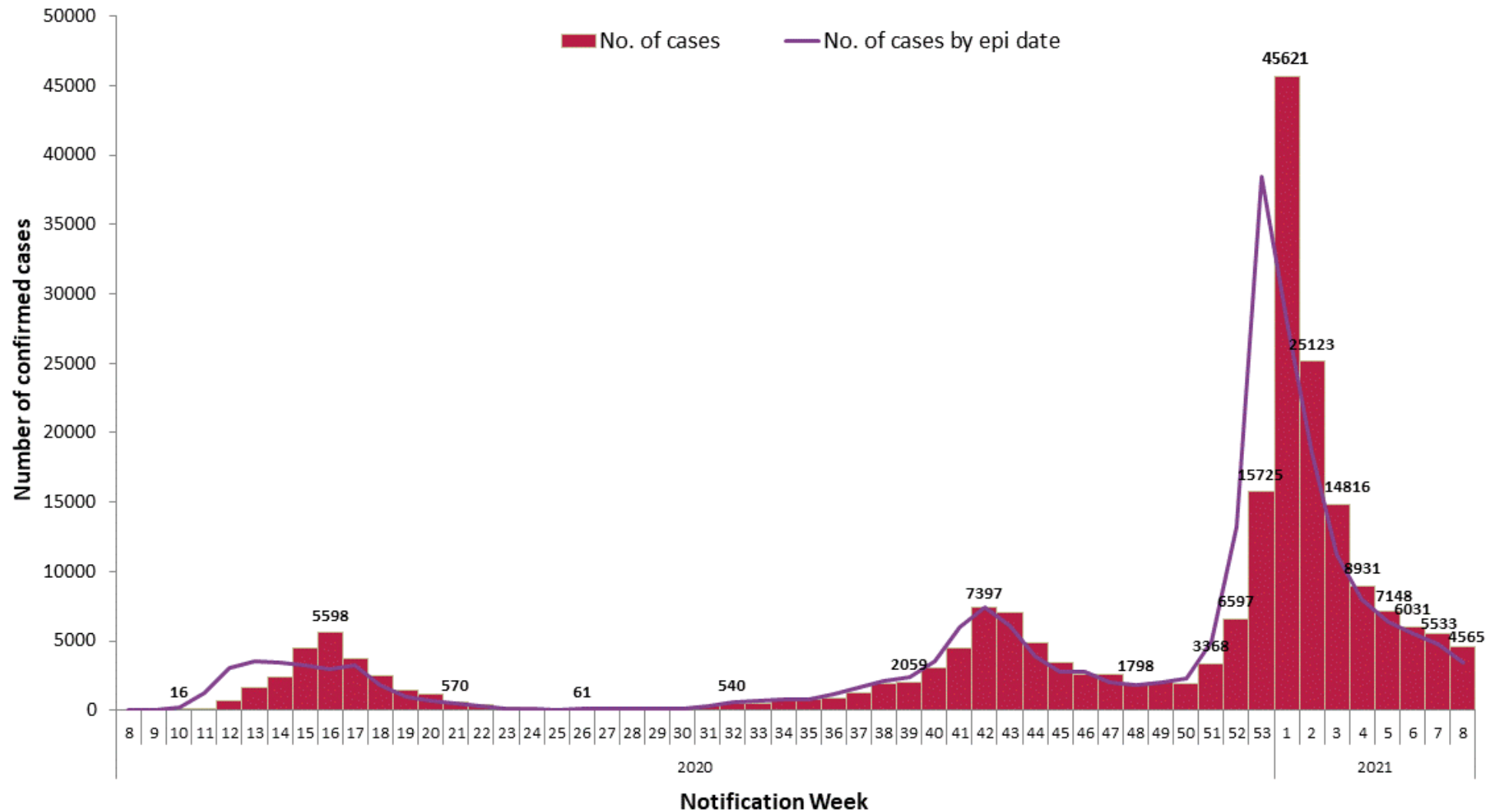


Figure 1: Number of confirmed COVID-19 cases by notification week and epidemiological week in Ireland between week 8, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the number of cases reported in week 53 is reduced and the number of cases reported in week 1 is inflated

In between week 15 and 16 (05/04/2020 – 19/04/2020) the daily number of COVID-19 events notified in Ireland is inflated due to batch reporting of cases with specimen dates between from 19/03/2020 – 01/04/2020 in addition to real-time reporting of cases with contemporaneous specimen dates

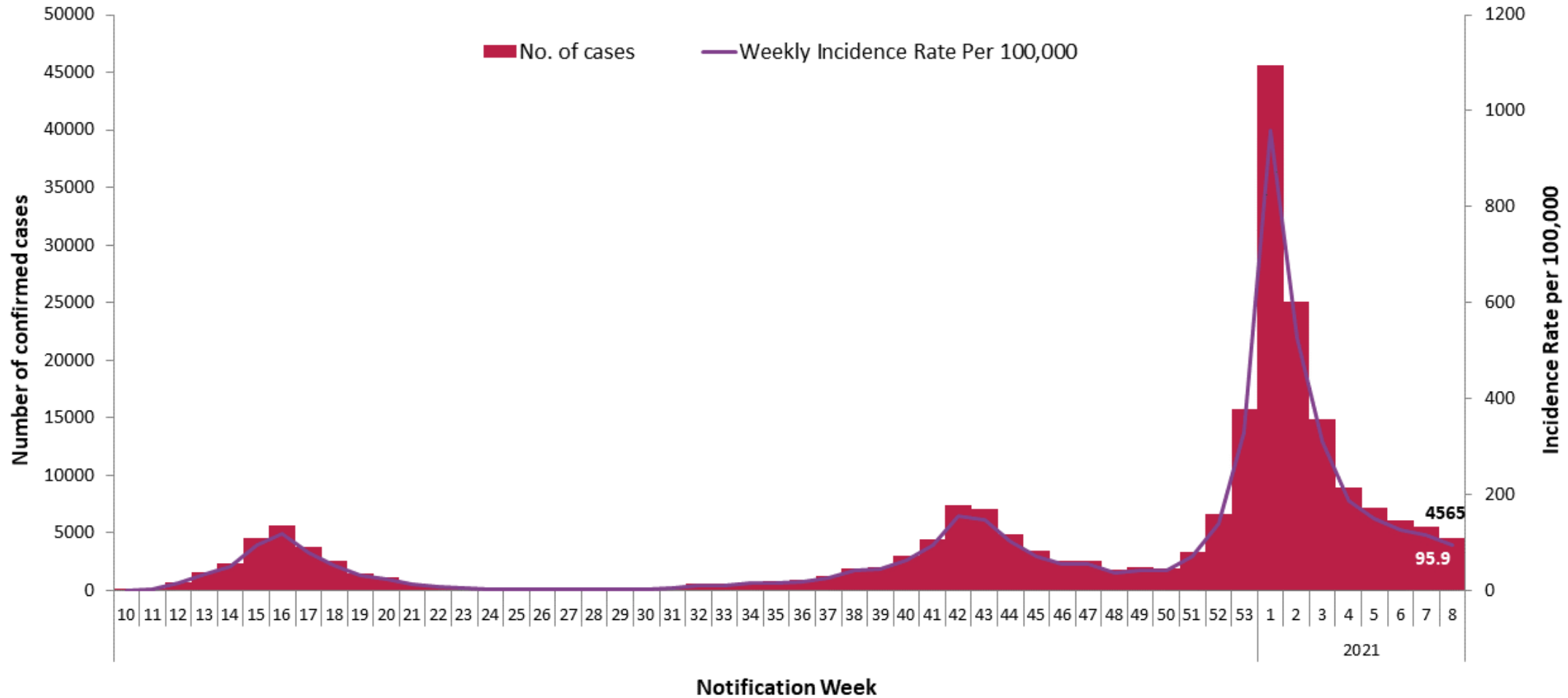
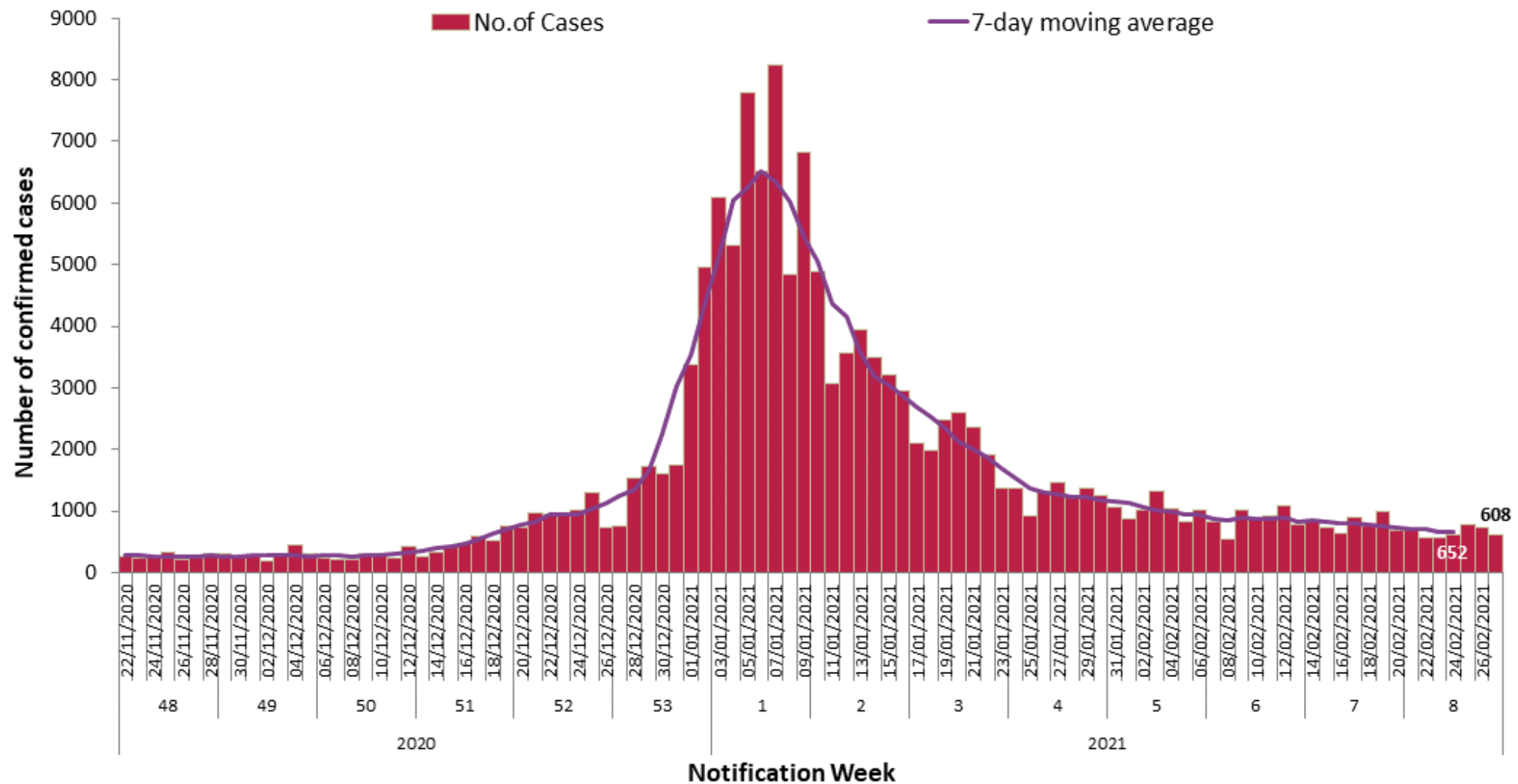


Figure 2: Number of confirmed COVID-19 cases by notification week and weekly incidence rate per 100,000 population in Ireland between week 10, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the number of cases reported in week 53 is reduced and the number of cases reported in week 1 is inflated

Population data were taken from Census 2016



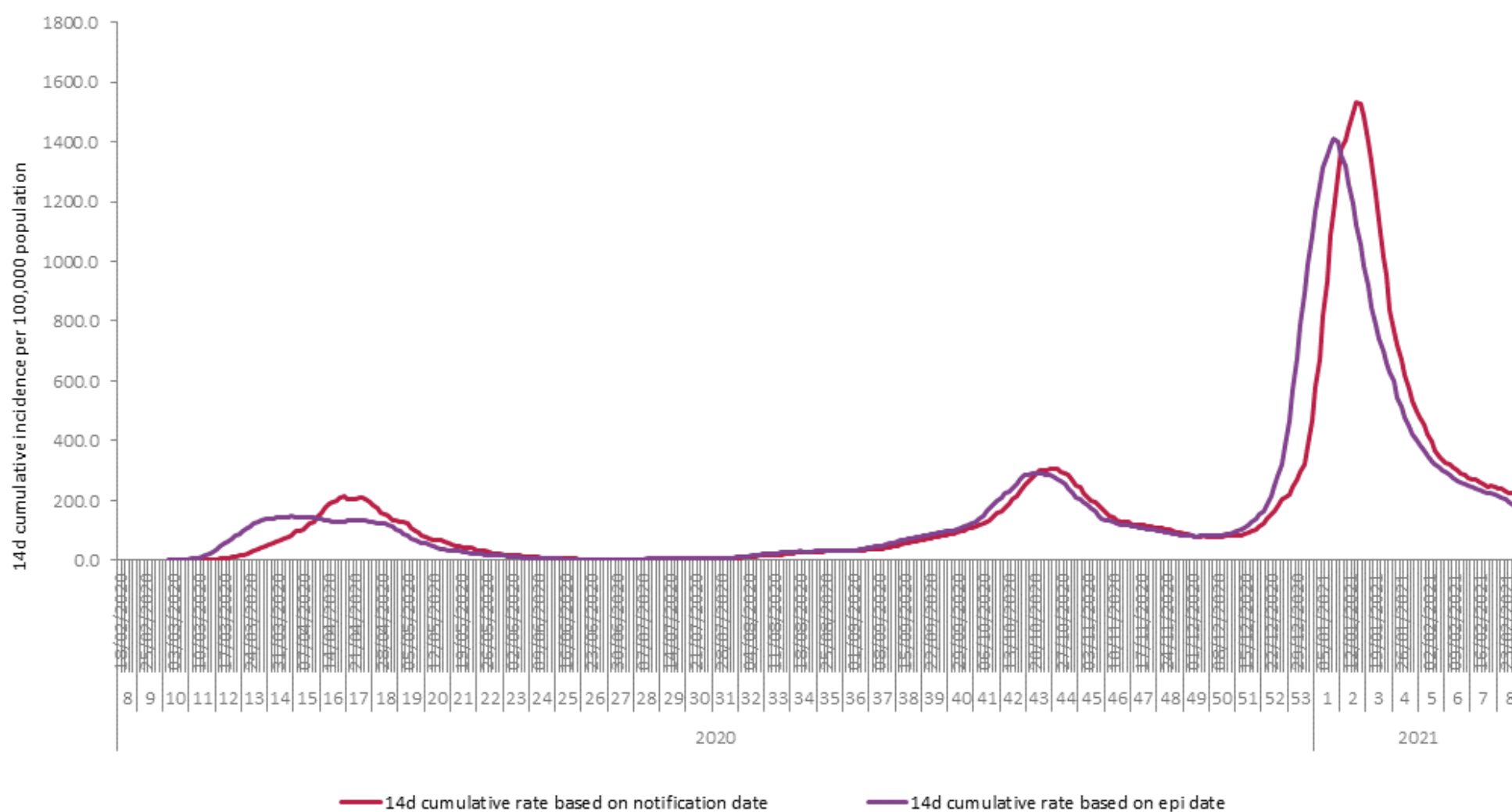


Figure 4a: Cumulative 14-day incidence rate of confirmed COVID-19 cases per 100,000 population notified in Ireland by notification and epidemiological date* between week 8, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the number of cases reported in week 53 is reduced and the number of cases reported in week 1 is inflated

*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. By using this date rather than event creation/notification date, adjusts for any delays in testing/notification. Please note that the trend in cases by epidemiological date will show a lag for recent days and therefore should be interpreted with caution.

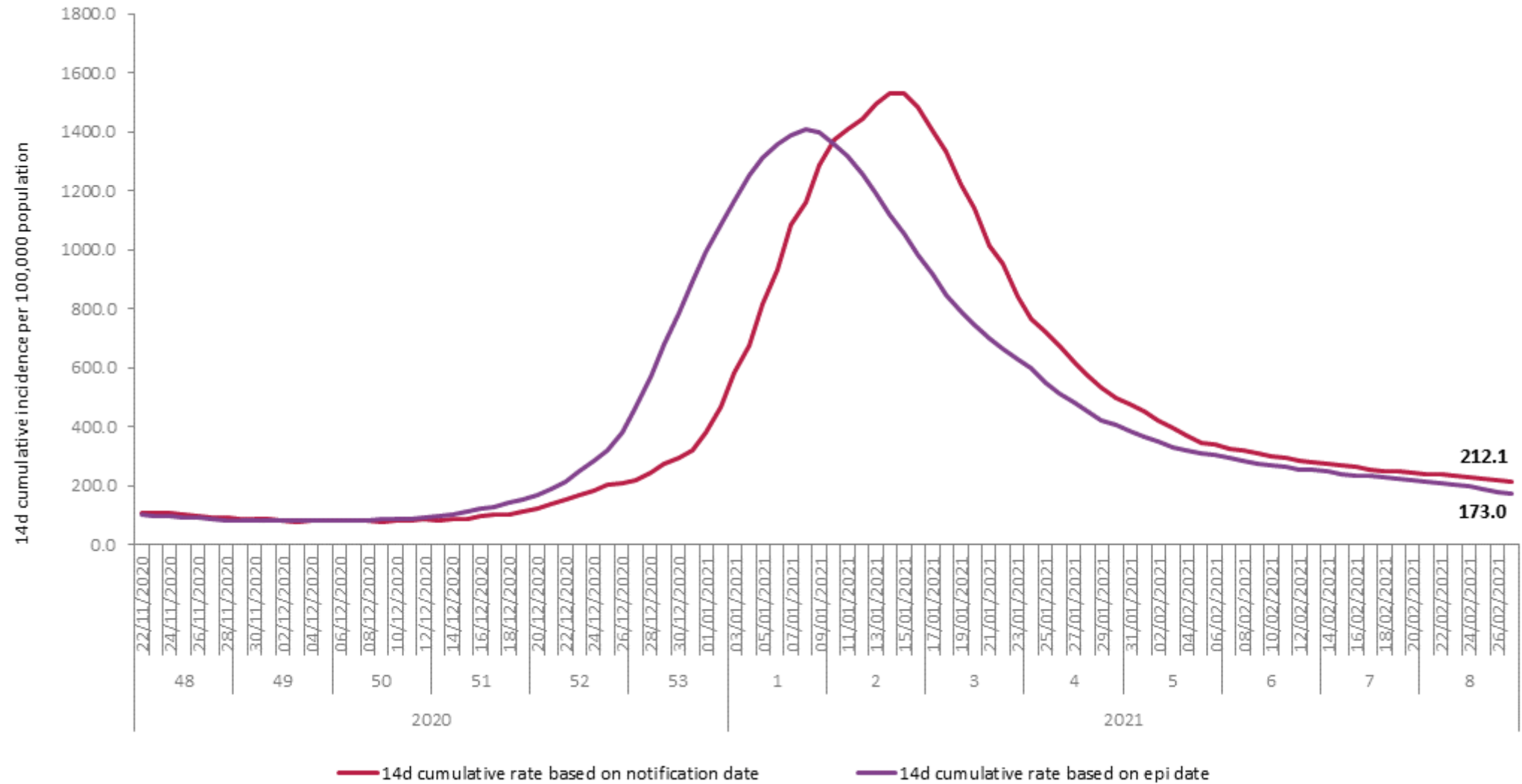


Figure 4b: Cumulative 14-day incidence rate of confirmed COVID-19 cases per 100,000 population notified in Ireland by notification and epidemiological date between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the number of cases reported in week 53 is reduced and the number of cases reported in week 1 is inflated

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland during week 8, 2021

| Characteristic | | Week 8 | Percent |
|---------------------------------|--------------------|--------|---------|
| Total number of confirmed cases | | 4,565 | 100 |
| Sex | Male:Female ratio | 0.97 | |
| | Male | 2,245 | 49.2 |
| | Female | 2,314 | 50.7 |
| | Unknown | 6 | 0.1 |
| Age | Mean age (years) | 33 | |
| | Median age (years) | 35 | |
| | Age range (years) | 0 - 99 | |
| | 0-4 yrs | 285 | 6.2 |
| | 5-12 yrs | 378 | 8.3 |
| | 13-18 yrs | 326 | 7.1 |
| | 19-24 yrs | 659 | 14.4 |
| | 25-34 yrs | 744 | 16.3 |
| | 35-44 yrs | 718 | 15.7 |
| | 45-54 yrs | 624 | 13.7 |
| | 55-64 yrs | 392 | 8.6 |
| | 65-74 yrs | 181 | 4.0 |
| | 75-84 yrs | 150 | 3.3 |
| | 85+ yrs | 107 | 2.3 |
| | Unknown | 1 | 0.0 |
| Symptomatic* | Yes | 2,695 | 59.0 |
| | No | 824 | 18.1 |
| | Unknown | 1,046 | 22.9 |

*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 5a: Cumulative age- and sex-specific incidence rates of confirmed COVID-19 cases per 100,000 population notified in Ireland between week 10, 2020 and week 8, 2021

(excluding 44 cases for whom age is unknown, 73 cases for whom sex is unknown and one case for whom both are unknown)

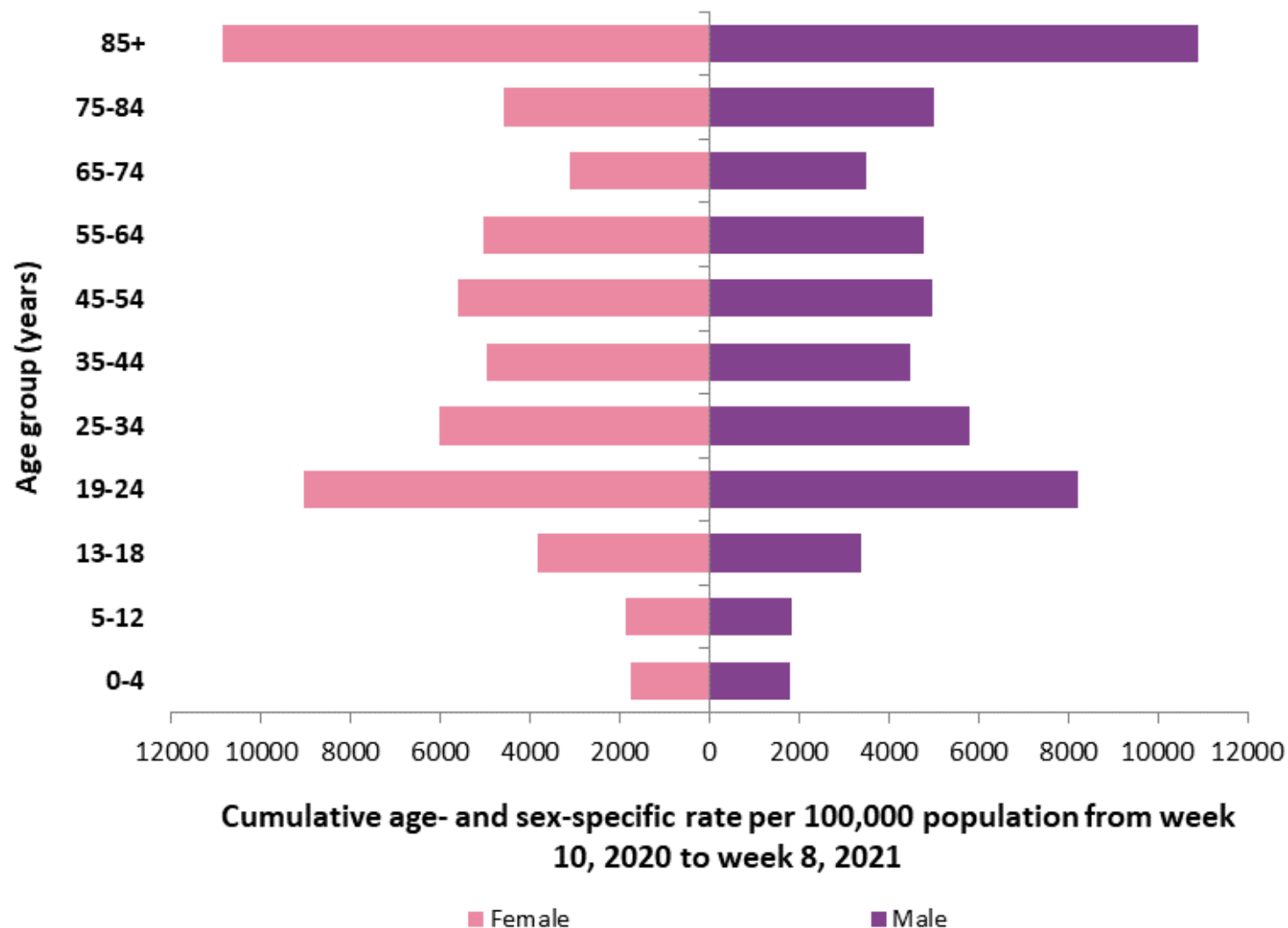


Figure 5b: Cumulative age- and sex-specific incidence rates of confirmed COVID-19 cases per 100,000 population notified in Ireland between week 48, 2020 and week 8, 2021

(excluding 2 cases for whom age is unknown, and 8 cases for whom sex is unknown)

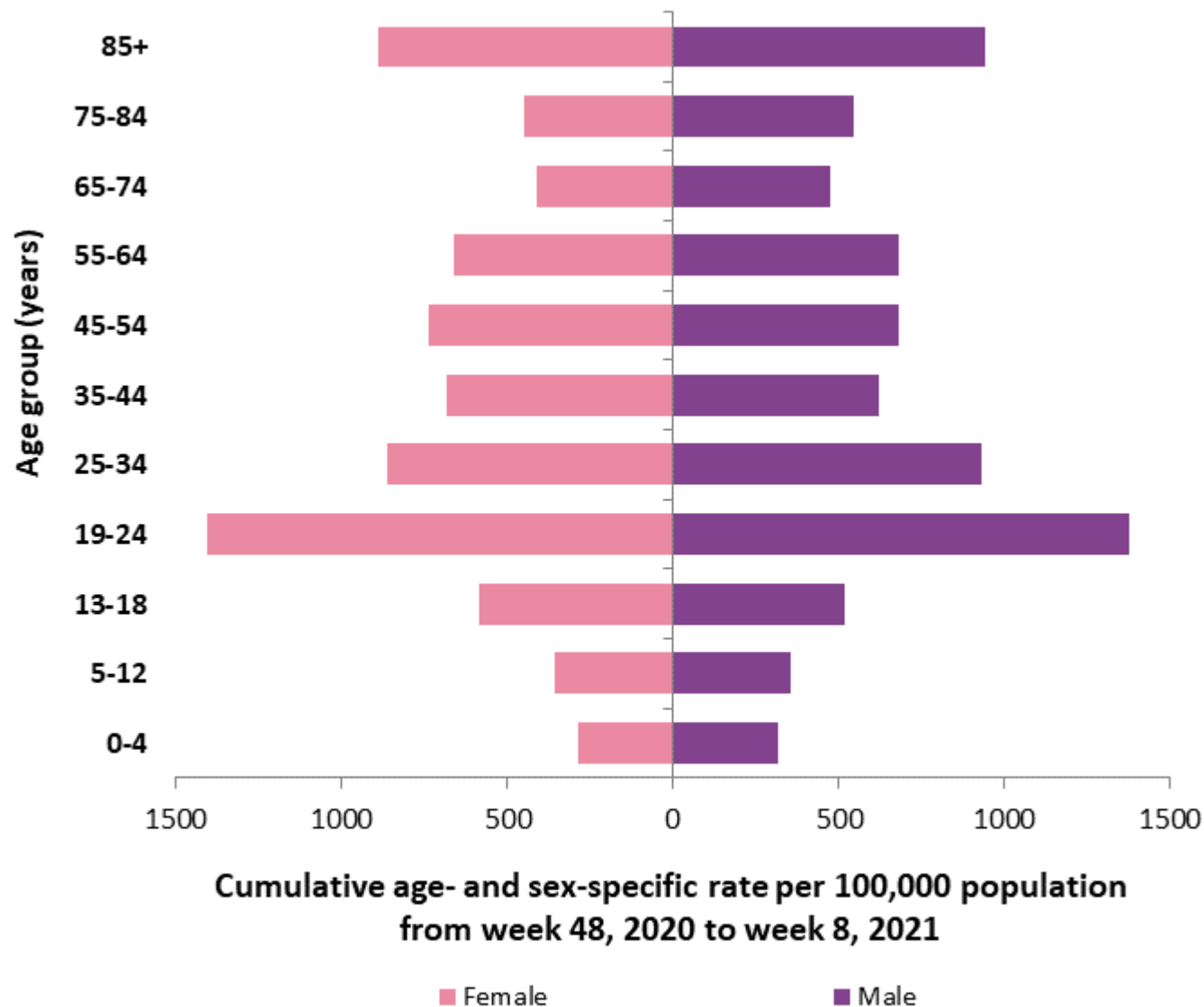
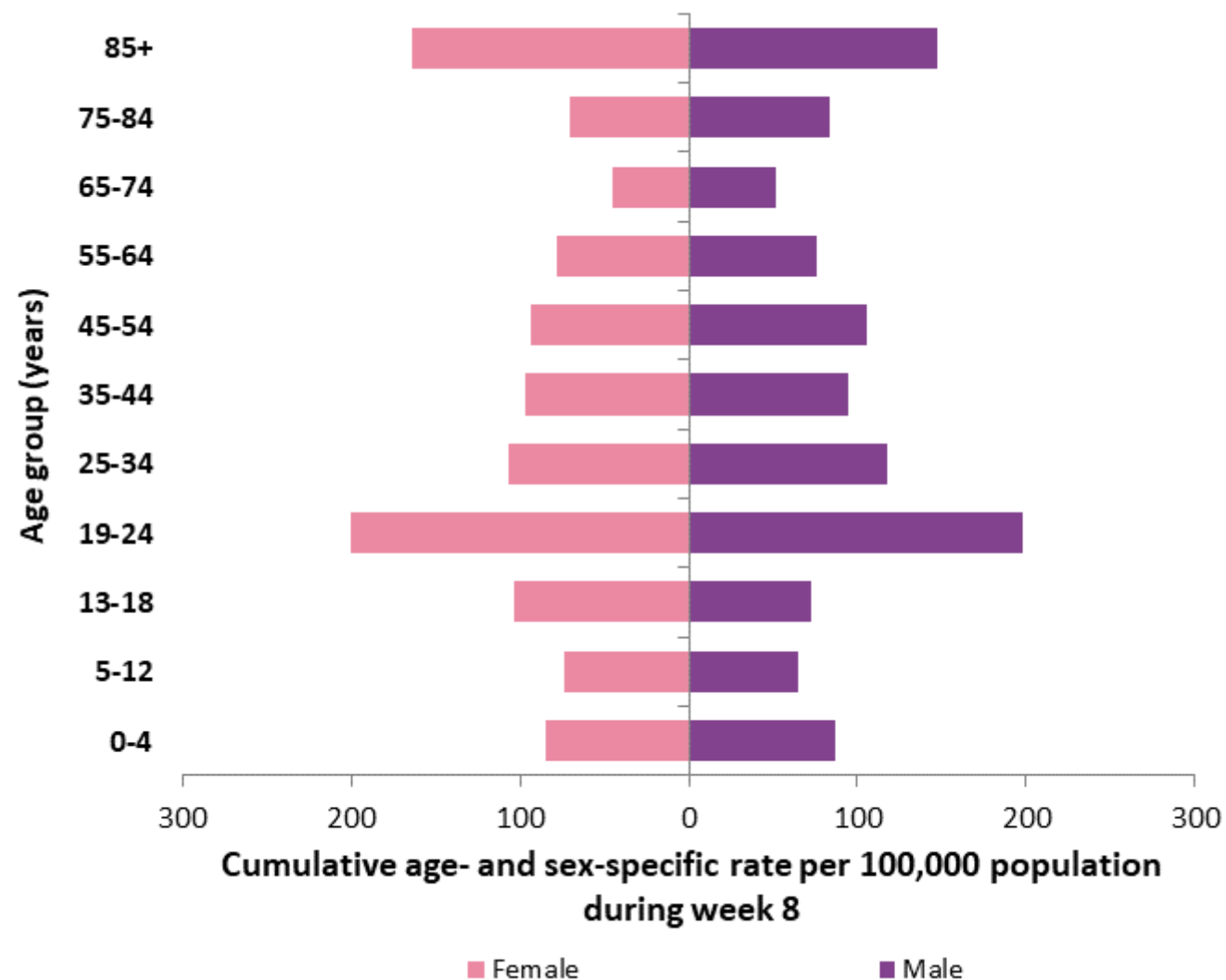


Figure 5c: Cumulative age- and sex-specific incidence rates of confirmed COVID-19 cases per 100,000 population notified in Ireland during week 8, 2021

(excluding one case for whom age is unknown, and 6 cases for whom sex is unknown)



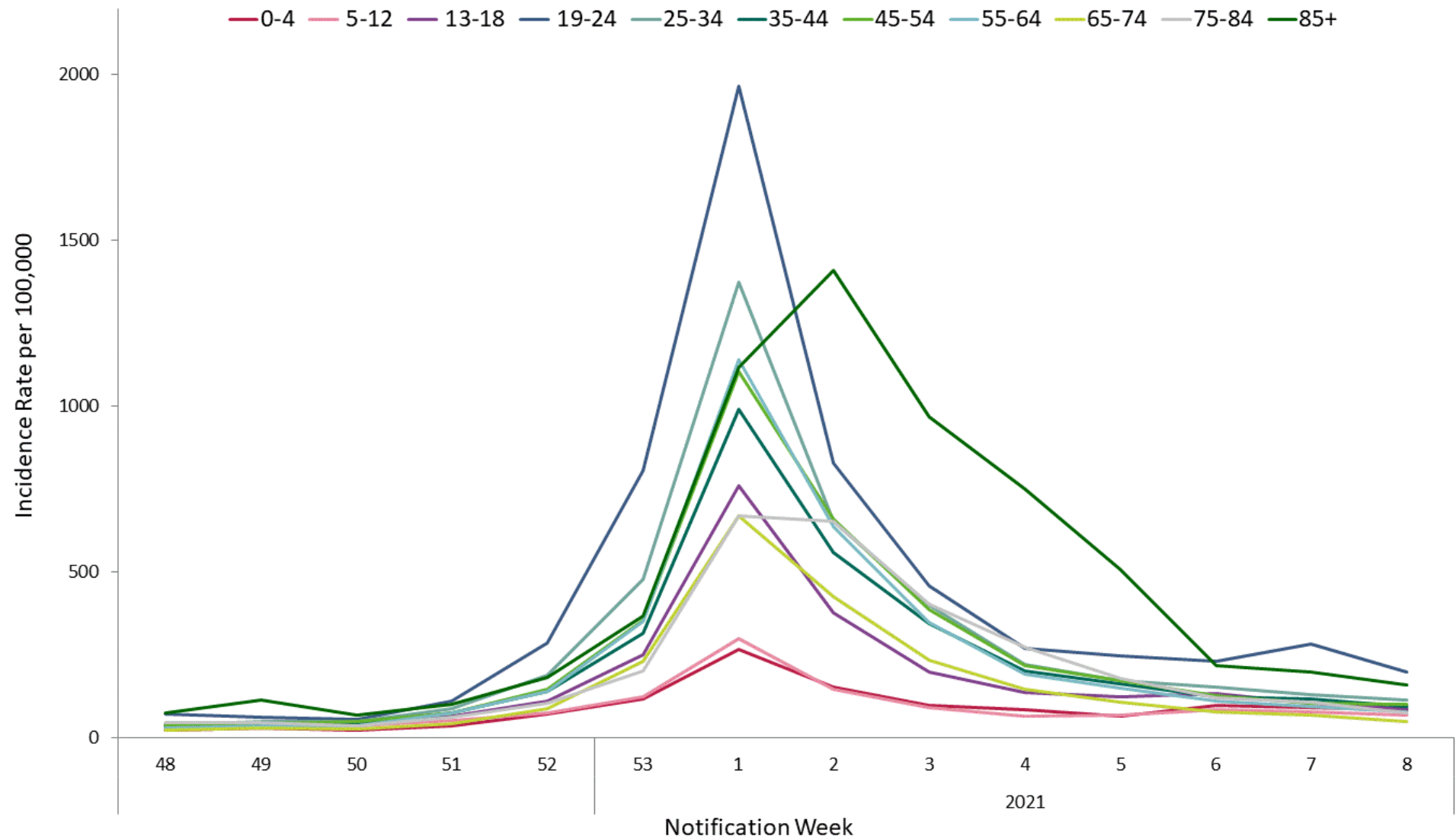


Figure 6a: Weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

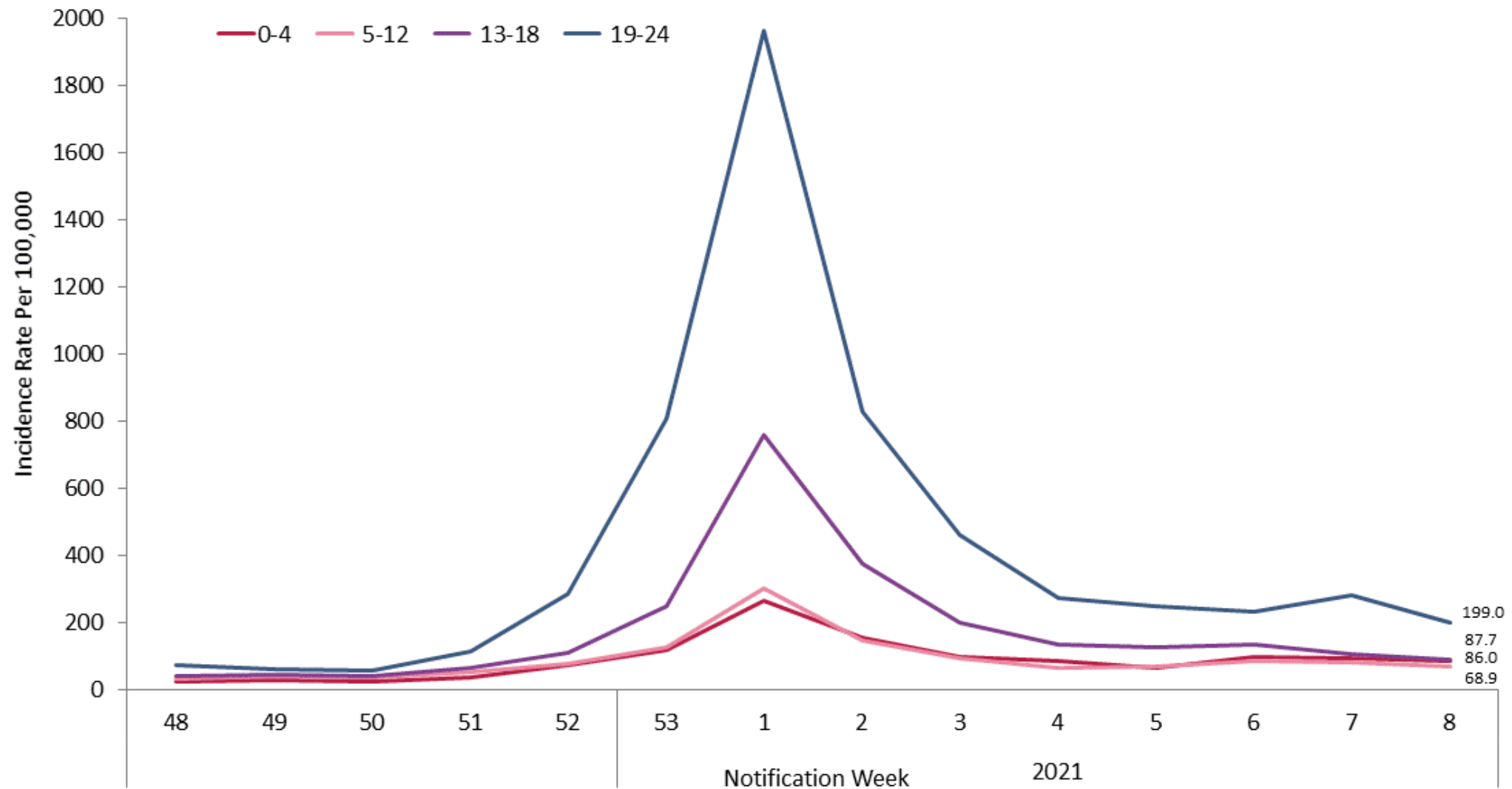


Figure 6b: Weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

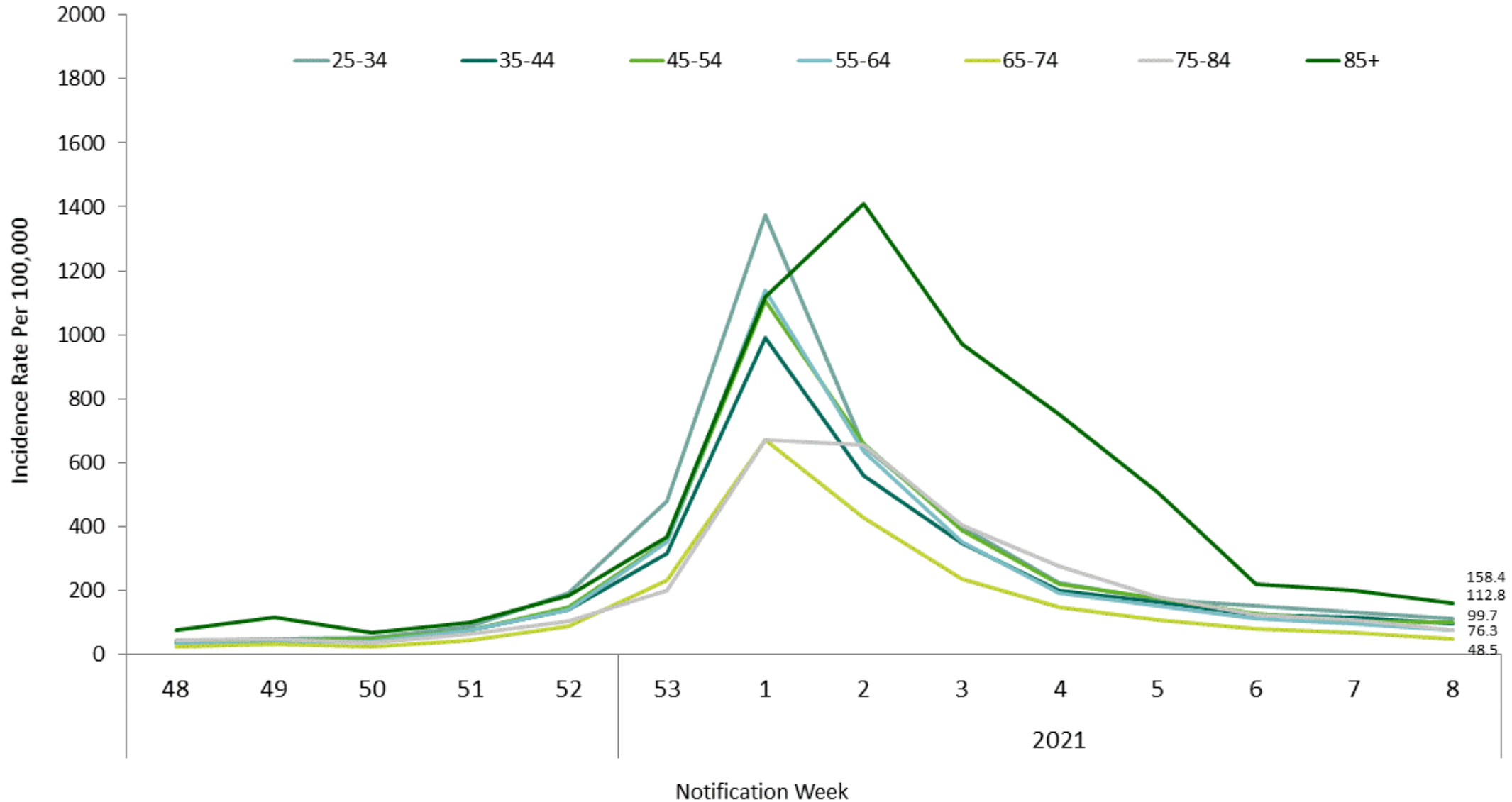


Figure 6c: Weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

| | | Age Range | | | | | | | | | | | |
|------|----|-----------|-------|-------|--------|--------|-------|--------|--------|-------|-------|--------|----------|
| | | 0-4 | 5-12 | 13-18 | 19-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85+ | National |
| 2020 | 48 | 23.2 | 29.7 | 40.9 | 72.2 | 39.0 | 37.2 | 39.6 | 30.5 | 24.1 | 44.8 | 74.0 | 37.8 |
| | 49 | 28.7 | 38.3 | 43.1 | 60.7 | 48.8 | 40.3 | 44.2 | 35.6 | 30.3 | 45.8 | 114.0 | 42.6 |
| | 50 | 24.7 | 36.5 | 40.9 | 55.3 | 50.3 | 41.6 | 49.0 | 37.3 | 24.9 | 34.6 | 68.1 | 41.2 |
| | 51 | 35.3 | 51.4 | 65.1 | 112.0 | 88.0 | 75.8 | 75.4 | 75.3 | 44.2 | 62.1 | 100.7 | 70.7 |
| | 52 | 72.4 | 74.9 | 110.9 | 286.2 | 190.2 | 139.8 | 145.8 | 141.1 | 88.9 | 102.8 | 182.1 | 138.5 |
| | 53 | 117.9 | 125.4 | 250.0 | 806.4 | 478.5 | 316.4 | 355.2 | 352.7 | 231.6 | 201.0 | 367.1 | 330.2 |
| 2021 | 1 | 266.4 | 299.8 | 759.7 | 1964.6 | 1374.4 | 991.7 | 1104.4 | 1139.8 | 670.9 | 669.2 | 1117.6 | 958.0 |
| | 2 | 152.9 | 146.0 | 376.2 | 828.5 | 652.1 | 557.4 | 660.5 | 635.8 | 425.7 | 654.4 | 1410.7 | 527.6 |
| | 3 | 97.1 | 91.5 | 197.0 | 458.6 | 399.1 | 346.0 | 387.5 | 349.3 | 233.7 | 402.5 | 969.6 | 311.1 |
| | 4 | 84.2 | 64.0 | 135.4 | 271.1 | 221.1 | 200.6 | 218.8 | 192.6 | 146.7 | 274.8 | 749.0 | 187.6 |
| | 5 | 64.3 | 68.2 | 124.3 | 247.0 | 171.8 | 162.0 | 173.2 | 149.3 | 106.6 | 179.6 | 506.3 | 150.1 |
| | 6 | 98.3 | 85.3 | 135.1 | 231.0 | 152.4 | 124.0 | 128.3 | 109.8 | 77.6 | 121.6 | 217.6 | 126.7 |
| | 7 | 91.7 | 79.5 | 103.1 | 282.0 | 131.9 | 115.9 | 104.3 | 95.1 | 69.1 | 106.9 | 199.8 | 116.2 |
| | 8 | 86.0 | 68.9 | 87.7 | 199.0 | 112.8 | 96.1 | 99.7 | 77.0 | 48.5 | 76.3 | 158.4 | 95.9 |

Figure 7: Heat map of weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

Table 2: Characteristics of confirmed COVID-19 cases by county notified in Ireland, during week 8, 2021

| County | Cases | | M:F ratio | Median age | Incidence Rate per 100,000 |
|-----------|-------|------|-----------|------------|----------------------------|
| | N | % | | (years) | |
| Longford | 80 | 1.8 | 1.4 | 28 | 195.7 |
| Offaly | 138 | 3.0 | 0.9 | 33 | 177.0 |
| Westmeath | 130 | 2.8 | 1.3 | 34 | 146.4 |
| Limerick | 272 | 6.0 | 0.9 | 23 | 139.6 |
| Louth | 170 | 3.7 | 0.8 | 32 | 131.9 |
| Dublin | 1775 | 38.9 | 1.0 | 34 | 131.7 |
| Meath | 218 | 4.8 | 0.9 | 33 | 111.8 |
| Laois | 94 | 2.1 | 1.0 | 36 | 111.0 |
| Donegal | 171 | 3.7 | 0.8 | 44 | 107.4 |
| Kildare | 232 | 5.1 | 1.2 | 39 | 104.3 |
| Carlow | 59 | 1.3 | 0.7 | 37 | 103.6 |
| Galway | 253 | 5.5 | 1.1 | 23 | 98.0 |
| Mayo | 120 | 2.6 | 0.9 | 37 | 91.9 |
| Tipperary | 127 | 2.8 | 0.7 | 31 | 79.6 |
| Monaghan | 47 | 1.0 | 1.1 | 42 | 76.6 |
| Waterford | 88 | 1.9 | 1.0 | 22 | 75.7 |
| Clare | 85 | 1.9 | 0.5 | 36 | 71.5 |
| Cavan | 48 | 1.1 | 1.1 | 35.5 | 63.0 |
| Leitrim | 19 | 0.4 | 0.9 | 20 | 59.3 |
| Roscommon | 35 | 0.8 | 0.9 | 22 | 54.2 |
| Wicklow | 69 | 1.5 | 1.7 | 32 | 48.4 |
| Sligo | 28 | 0.6 | 1.5 | 34.5 | 42.7 |
| Wexford | 59 | 1.3 | 1.1 | 36 | 39.4 |
| Kerry | 56 | 1.2 | 0.9 | 27.5 | 37.9 |
| Kilkenny | 33 | 0.7 | 1.8 | 34 | 33.3 |
| Cork | 159 | 3.5 | 0.9 | 35 | 29.3 |

| | | Carlow | Cavan | Clare | Cork | Donegal | Dublin | Galway | Kerry | Kildare | Kilkenny | Laois | Leitrim | Limerick | Longford | Louth | Mayo | Meath | Monaghan | Offaly | Roscommon | Sligo | Tipperary | Waterford | Westmeath | Wexford | Wicklow | National |
|------|----|--------|-------|-------|--------|---------|--------|--------|-------|---------|----------|-------|---------|----------|----------|--------|-------|-------|----------|--------|-----------|-------|-----------|-----------|-----------|---------|---------|----------|
| 2020 | 48 | 31.6 | 19.7 | 14.3 | 24.5 | 111.2 | 43.6 | 20.2 | 21.0 | 21.1 | 83.6 | 29.5 | 3.1 | 60.5 | 41.6 | 74.5 | 36.8 | 24.6 | 31.0 | 23.1 | 23.2 | 21.4 | 45.1 | 41.3 | 13.5 | 7.3 | 52.7 | 37.8 |
| | 49 | 72.0 | 40.7 | 19.4 | 13.4 | 112.4 | 50.9 | 31.0 | 12.2 | 27.4 | 86.7 | 26.0 | 12.5 | 80.0 | 44.0 | 83.0 | 43.7 | 25.1 | 97.7 | 34.6 | 24.8 | 15.3 | 44.5 | 21.5 | 13.5 | 12.0 | 68.1 | 42.6 |
| | 50 | 82.6 | 68.3 | 12.6 | 12.9 | 107.4 | 42.2 | 28.7 | 8.1 | 30.1 | 112.9 | 69.7 | 12.5 | 50.8 | 97.9 | 93.1 | 65.9 | 34.4 | 39.1 | 30.8 | 20.1 | 33.6 | 38.9 | 46.5 | 15.8 | 24.0 | 35.8 | 41.2 |
| | 51 | 110.7 | 106.3 | 14.3 | 38.9 | 154.5 | 81.9 | 23.3 | 99.5 | 54.8 | 84.7 | 105.1 | 12.5 | 99.5 | 46.5 | 144.3 | 50.6 | 74.3 | 86.3 | 34.6 | 21.7 | 59.5 | 27.0 | 59.4 | 28.2 | 142.9 | 32.3 | 70.7 |
| | 52 | 108.9 | 89.3 | 105.2 | 123.4 | 271.4 | 166.5 | 98.8 | 148.9 | 113.7 | 185.4 | 86.2 | 56.2 | 227.3 | 34.3 | 166.8 | 79.7 | 105.6 | 202.0 | 46.2 | 66.6 | 131.2 | 72.1 | 99.0 | 80.0 | 204.4 | 81.4 | 138.5 |
| 2021 | 53 | 242.4 | 506.7 | 397.2 | 282.4 | 553.4 | 276.5 | 276.3 | 299.2 | 164.5 | 305.3 | 335.3 | 287.1 | 613.7 | 340.1 | 773.6 | 491.2 | 372.2 | 858.5 | 310.4 | 311.4 | 497.4 | 196.8 | 233.3 | 247.8 | 281.2 | 118.7 | 330.2 |
| | 1 | 1082.0 | 976.7 | 990.6 | 1054.4 | 853.1 | 1196.9 | 454.9 | 761.0 | 807.2 | 851.5 | 541.9 | 424.4 | 1225.8 | 552.9 | 1430.0 | 667.4 | 768.5 | 1668.1 | 556.7 | 415.2 | 631.7 | 614.8 | 1302.3 | 459.6 | 1177.5 | 497.1 | 958.0 |
| | 2 | 669.2 | 449.0 | 471.3 | 527.6 | 532.1 | 561.5 | 630.5 | 280.3 | 398.2 | 315.4 | 429.8 | 149.8 | 643.9 | 166.4 | 810.0 | 970.1 | 459.9 | 1008.4 | 404.0 | 502.0 | 212.1 | 410.5 | 571.5 | 254.6 | 665.2 | 311.7 | 527.6 |
| | 3 | 430.3 | 347.9 | 194.4 | 273.0 | 294.0 | 372.5 | 251.9 | 156.4 | 306.5 | 152.2 | 239.7 | 137.3 | 313.0 | 198.2 | 450.8 | 350.9 | 317.9 | 658.1 | 301.4 | 147.2 | 218.2 | 246.3 | 395.1 | 183.6 | 393.4 | 220.5 | 311.1 |
| | 4 | 263.5 | 140.5 | 109.4 | 152.3 | 185.9 | 229.9 | 170.5 | 81.9 | 147.0 | 84.7 | 146.4 | 74.9 | 172.9 | 173.7 | 285.5 | 223.0 | 184.1 | 413.8 | 210.4 | 68.2 | 138.9 | 147.9 | 285.8 | 127.3 | 241.1 | 127.8 | 187.6 |
| | 5 | 187.9 | 116.8 | 74.9 | 120.1 | 128.1 | 181.7 | 163.9 | 71.1 | 155.5 | 73.6 | 158.2 | 84.3 | 141.1 | 124.8 | 183.9 | 155.5 | 163.0 | 347.0 | 137.2 | 62.0 | 112.9 | 73.3 | 207.4 | 123.9 | 209.7 | 106.0 | 150.1 |
| | 6 | 158.1 | 153.6 | 62.3 | 60.2 | 69.7 | 185.8 | 150.7 | 36.6 | 125.8 | 59.5 | 154.7 | 59.3 | 114.9 | 102.8 | 156.0 | 121.8 | 134.3 | 167.8 | 202.7 | 57.3 | 58.0 | 83.4 | 128.3 | 130.7 | 106.9 | 66.7 | 126.7 |
| | 7 | 89.6 | 112.9 | 80.8 | 37.4 | 81.0 | 157.2 | 180.2 | 13.5 | 144.3 | 48.4 | 148.8 | 93.6 | 139.6 | 173.7 | 129.6 | 136.4 | 115.4 | 162.9 | 218.1 | 49.6 | 45.8 | 108.4 | 137.7 | 105.9 | 64.1 | 50.6 | 116.2 |
| | 8 | 103.6 | 63.0 | 71.5 | 29.3 | 107.4 | 131.7 | 98.0 | 37.9 | 104.3 | 33.3 | 111.0 | 59.3 | 139.6 | 195.7 | 131.9 | 91.9 | 111.8 | 76.6 | 177.0 | 54.2 | 42.7 | 79.6 | 75.7 | 146.4 | 39.4 | 48.4 | 95.9 |

Figure 8: Heat map of weekly incidence rates of confirmed COVID-19 cases per 100,000 population, by county, notified in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

| | | HSE-E | HSE-M | HSE-MW | HSE-NE | HSE-NW | HSE-SE | HSE-S | HSE-W | National |
|------|----|--------|-------|--------|--------|--------|--------|-------|-------|----------|
| 2020 | 48 | 41.5 | 24.6 | 40.5 | 38.7 | 74.4 | 41.3 | 23.7 | 25.4 | 37.8 |
| | 49 | 49.3 | 27.4 | 50.9 | 53.7 | 74.8 | 43.7 | 13.2 | 33.8 | 42.6 |
| | 50 | 40.1 | 46.9 | 36.4 | 57.1 | 76.4 | 55.8 | 11.9 | 38.2 | 41.2 |
| | 51 | 74.3 | 54.7 | 59.7 | 101.0 | 112.0 | 89.0 | 51.8 | 30.9 | 70.7 |
| | 52 | 152.5 | 66.4 | 169.9 | 133.2 | 207.8 | 136.4 | 128.9 | 88.7 | 138.5 |
| | 53 | 248.8 | 302.8 | 483.1 | 572.4 | 504.0 | 245.9 | 286.0 | 343.2 | 330.2 |
| 2021 | 1 | 1088.1 | 522.4 | 1017.9 | 1106.8 | 745.5 | 1051.3 | 991.6 | 510.5 | 958.0 |
| | 2 | 519.5 | 332.9 | 552.0 | 629.6 | 402.4 | 528.9 | 474.7 | 710.0 | 527.6 |
| | 3 | 351.3 | 234.0 | 257.1 | 405.4 | 255.5 | 330.4 | 248.1 | 265.5 | 311.1 |
| | 4 | 210.7 | 161.5 | 155.3 | 236.4 | 159.3 | 202.2 | 137.3 | 171.0 | 187.6 |
| | 5 | 172.0 | 137.5 | 109.1 | 186.0 | 118.6 | 156.0 | 109.6 | 147.0 | 150.1 |
| | 6 | 168.1 | 152.9 | 87.5 | 148.4 | 65.1 | 108.2 | 55.2 | 129.1 | 126.7 |
| | 7 | 146.6 | 157.7 | 114.3 | 125.6 | 73.3 | 89.4 | 32.3 | 149.0 | 116.2 |
| | 8 | 121.2 | 151.6 | 105.7 | 104.9 | 84.5 | 61.7 | 31.1 | 90.0 | 95.9 |

Figure 9: Weekly Incidence rates of confirmed COVID-19 cases per 100,000 population, by HSE area, notified in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated

| | | CHO1 | CHO2 | CHO3 | CHO4 | CHO5 | CHO6 | CHO7 | CHO8 | CHO9 |
|------|----|-------|-------|--------|-------|--------|--------|-------|-------|--------|
| 2020 | 48 | 57.8 | 25.4 | 40.5 | 23.7 | 41.3 | 55.3 | 31.8 | 34.9 | 43.9 |
| | 49 | 72.6 | 33.8 | 50.9 | 13.2 | 43.7 | 66.3 | 34.1 | 38.1 | 56.2 |
| | 50 | 69.8 | 38.2 | 36.4 | 11.9 | 55.8 | 47.8 | 31.5 | 52.3 | 45.2 |
| | 51 | 108.1 | 30.9 | 59.7 | 51.8 | 89.0 | 74.4 | 51.4 | 79.3 | 100.3 |
| | 52 | 186.1 | 88.7 | 169.9 | 128.9 | 136.4 | 178.8 | 129.9 | 99.3 | 162.2 |
| | 53 | 565.3 | 343.2 | 483.1 | 286.0 | 245.9 | 260.5 | 189.1 | 421.1 | 309.6 |
| 2021 | 1 | 938.7 | 510.5 | 1017.9 | 991.6 | 1051.3 | 1025.1 | 975.5 | 786.7 | 1255.1 |
| | 2 | 509.9 | 710.0 | 552.0 | 474.7 | 528.9 | 474.7 | 453.3 | 470.5 | 622.5 |
| | 3 | 338.4 | 265.5 | 257.1 | 248.1 | 330.4 | 323.6 | 314.4 | 304.4 | 410.4 |
| | 4 | 195.3 | 171.0 | 155.3 | 137.3 | 202.2 | 185.3 | 188.4 | 194.9 | 251.7 |
| | 5 | 155.1 | 147.0 | 109.1 | 109.6 | 156.0 | 142.2 | 150.5 | 154.5 | 214.8 |
| | 6 | 99.2 | 129.1 | 87.5 | 55.2 | 108.2 | 137.3 | 133.7 | 146.9 | 226.3 |
| | 7 | 95.6 | 149.0 | 114.3 | 32.3 | 89.4 | 113.3 | 123.1 | 137.9 | 194.1 |
| | 8 | 80.0 | 90.0 | 105.7 | 31.1 | 61.7 | 90.0 | 93.1 | 134.2 | 172.5 |

Figure 10: Weekly Incidence rates of confirmed COVID-19 cases per 100,000 population by CHO notified in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

| | CCA | CCA1 | CCA2 | CCA3 | CCA4 | CCA5 | CCA6 | CCA7 | CCA8 | |
|------|-------------------|--------------|-------------------|-------------------|-------------------|-------------|-------------------|----------------------|--------------|-------|
| | LHO | Dublin South | Dublin South East | Dublin South City | Dublin South West | Dublin West | Dublin North West | Dublin North Central | Dublin North | |
| 2020 | Notification Week | 48 | 38.2 | 69.5 | 34.0 | 44.1 | 35.4 | 43.8 | 64.0 | 32.0 |
| | | 49 | 41.9 | 80.8 | 32.7 | 38.5 | 44.4 | 60.7 | 69.2 | 44.8 |
| | | 50 | 29.4 | 75.2 | 30.7 | 26.7 | 42.5 | 34.7 | 62.1 | 43.6 |
| | | 51 | 48.5 | 142.3 | 46.7 | 44.7 | 62.4 | 104.5 | 133.3 | 77.2 |
| | | 52 | 127.1 | 321.7 | 120.1 | 134.9 | 171.9 | 172.4 | 241.3 | 106.9 |
| 53 | | 196.2 | 459.2 | 217.4 | 205.7 | 198.9 | 328.0 | 415.3 | 231.9 | |
| 1 | | 798.1 | 1742.1 | 954.4 | 1147.3 | 1165.2 | 1441.2 | 1449.1 | 990.5 | |
| 2 | | 318.2 | 772.0 | 388.8 | 518.3 | 574.2 | 730.7 | 704.5 | 487.0 | |
| 3 | | 234.4 | 499.6 | 290.8 | 285.3 | 410.1 | 503.4 | 501.3 | 281.7 | |
| 4 | | 149.2 | 266.8 | 132.1 | 202.6 | 307.1 | 307.3 | 295.6 | 181.0 | |
| 5 | | 81.6 | 229.6 | 108.0 | 149.2 | 203.4 | 263.0 | 268.5 | 144.3 | |
| 6 | | 85.2 | 256.3 | 89.4 | 134.9 | 201.5 | 257.2 | 360.3 | 121.6 | |
| 7 | | 65.4 | 223.1 | 72.0 | 109.4 | 169.3 | 190.3 | 331.2 | 115.4 | |
| 8 | | 57.3 | 163.3 | 54.0 | 89.5 | 127.5 | 154.6 | 326.0 | 95.3 | |

Figure 11: Weekly Incidence rates of confirmed COVID-19 cases per 100,000 population cases by Dublin Local Health Offices (LHOs) notified in Ireland between week 48, 2020 and week 8, 2021

At the end of week 53 a significant number of cases were awaiting processing, as a result the incidence rates reported in week 53 are reduced and the incidence rates reported in week 1 are inflated.

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.

Laboratory data for COVID-19 cases

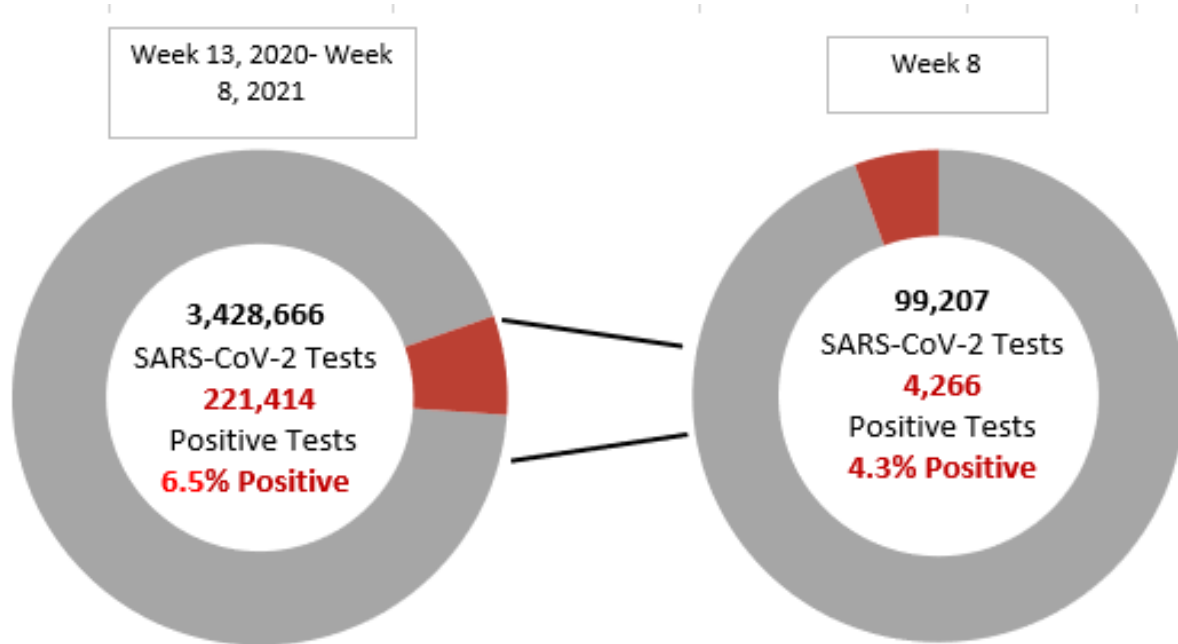


Figure 12a: Number of SARS-CoV-2 tests and positive tests* in Ireland between week 13, 2020 and week 8, 2021

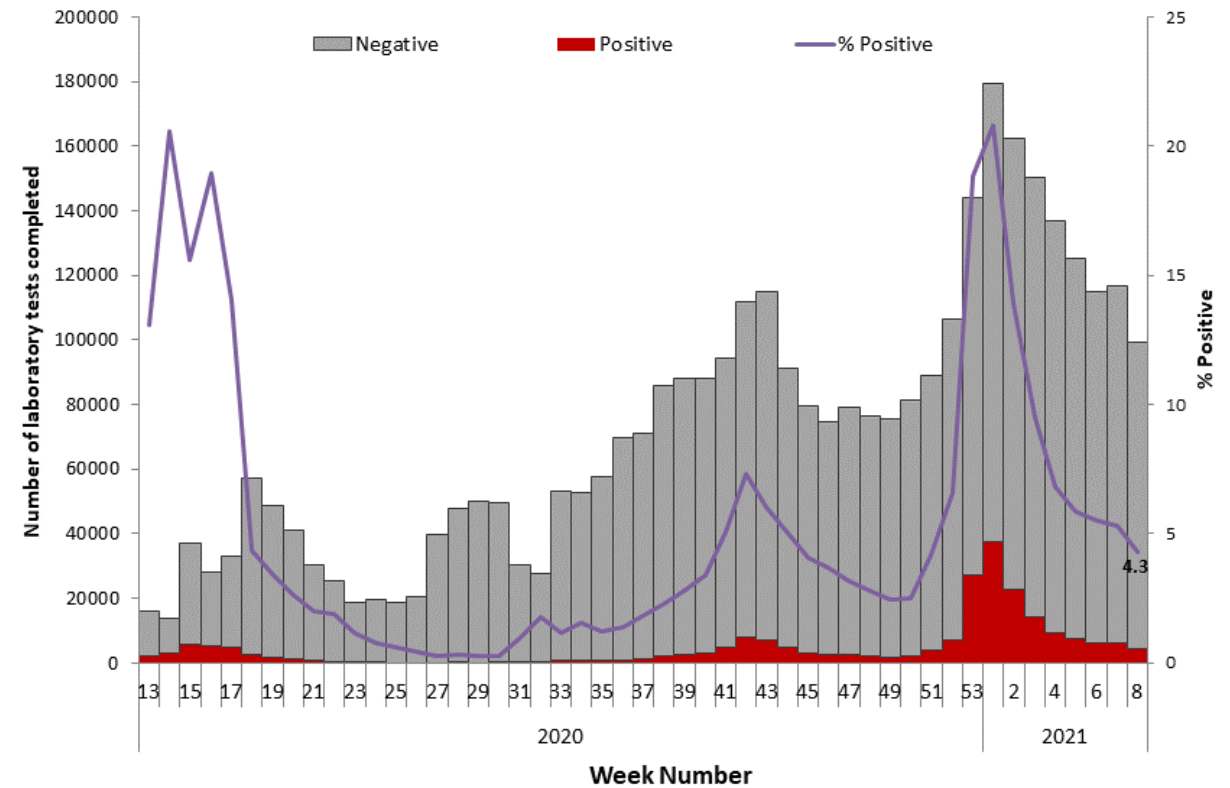
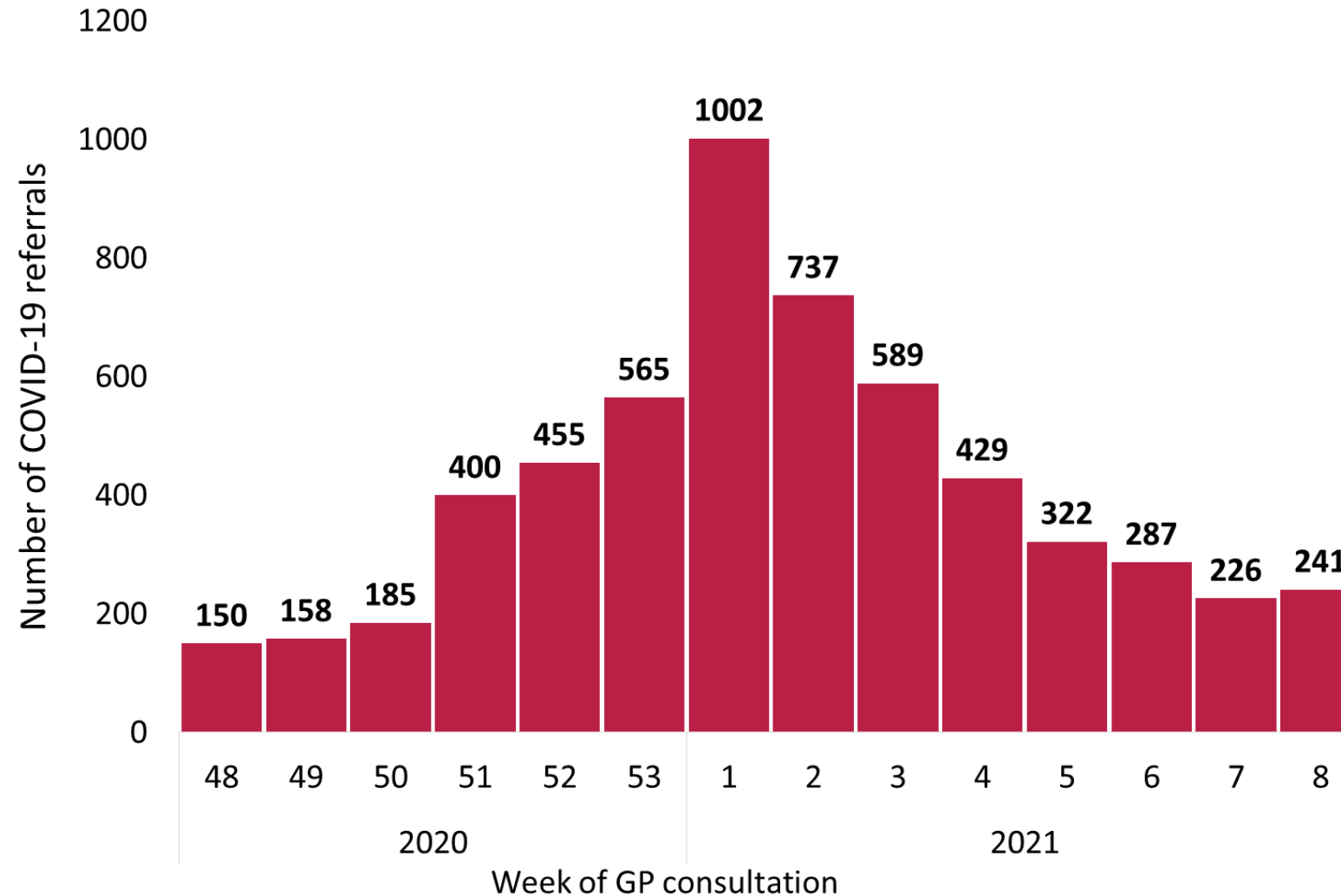


Figure 12b: Number of SARS-CoV-2 negative and positive tests* completed in Ireland between week 13, 2020 and week 8, 2021

*Positive tests refers to all positive specimens and includes duplicates and individuals who were retested

Number of sentinel GP COVID-19 referrals by week of consultation



- The Irish Sentinel GP Surveillance Scheme is a collaboration between the Health Protection Surveillance Centre, the National Virus Reference Laboratory and the Irish College of General Practitioners.
- The sentinel GP network comprises 60 general practices and 166 practitioners, covering 6.6% of the national population (CSO Census 2016).

Figure 13a: Number of sentinel GP COVID-19 referrals by week of consultation, weeks 48 2020-8 2021, Ireland. The epidemiological week is Monday-Sunday (ISO week) in line with influenza/COVID-19 international reporting to European Centre for Disease Prevention and Control (ECDC).

% SARS-CoV-2 positivity data from sentinel GP COVID-19 referrals tested by NVRL

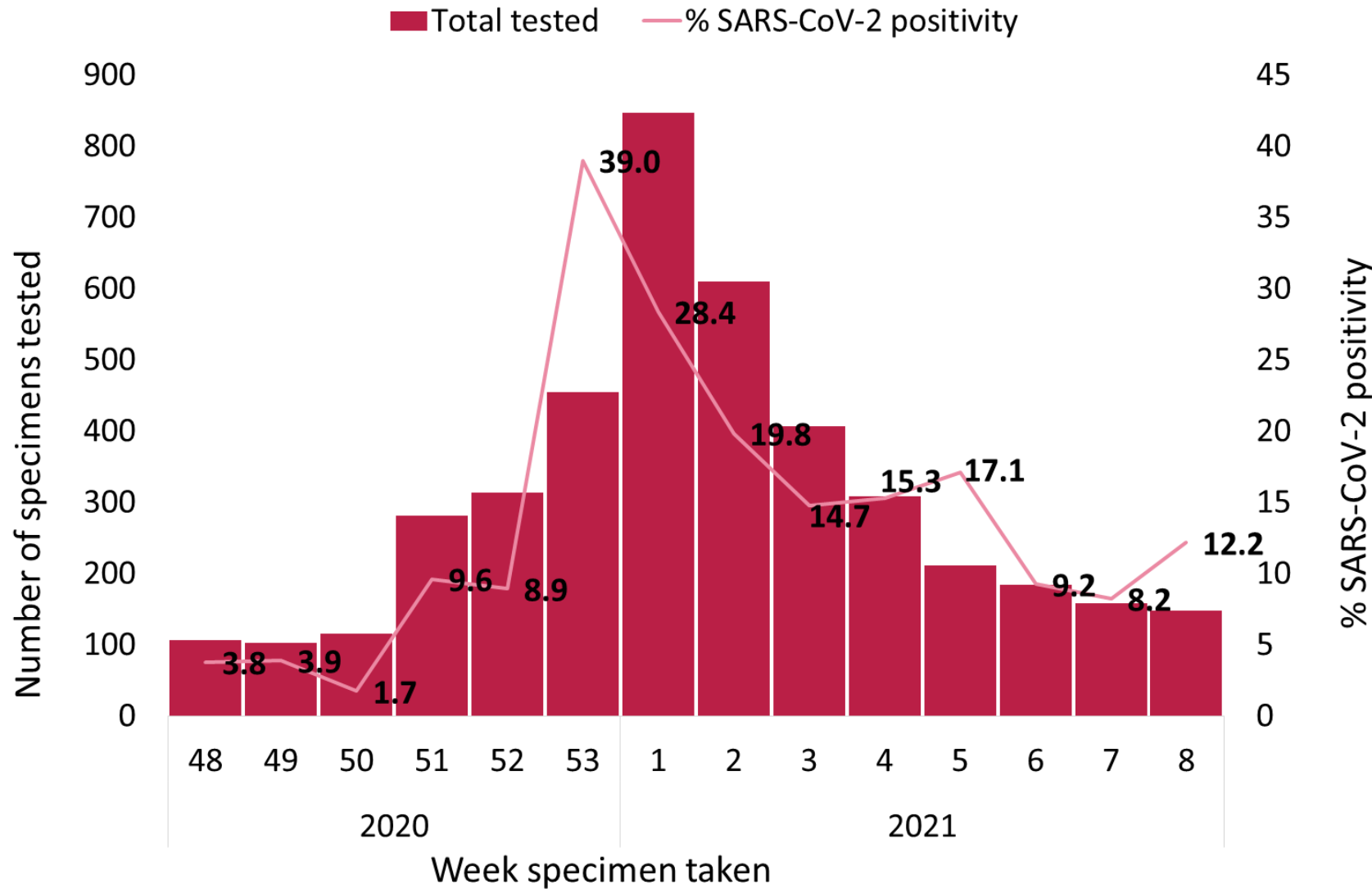


Figure 13b: % SARS-CoV-2 positivity data from sentinel GP COVID-19 referrals tested by the NVRL by week specimen was taken, weeks 48 2020 to 8 2021. The Epidemiological week is Monday to Sunday (ISO week) in line with influenza/COVID-19 international reporting to ECDC.

Hospitalisations and ICU admissions among COVID-19 cases

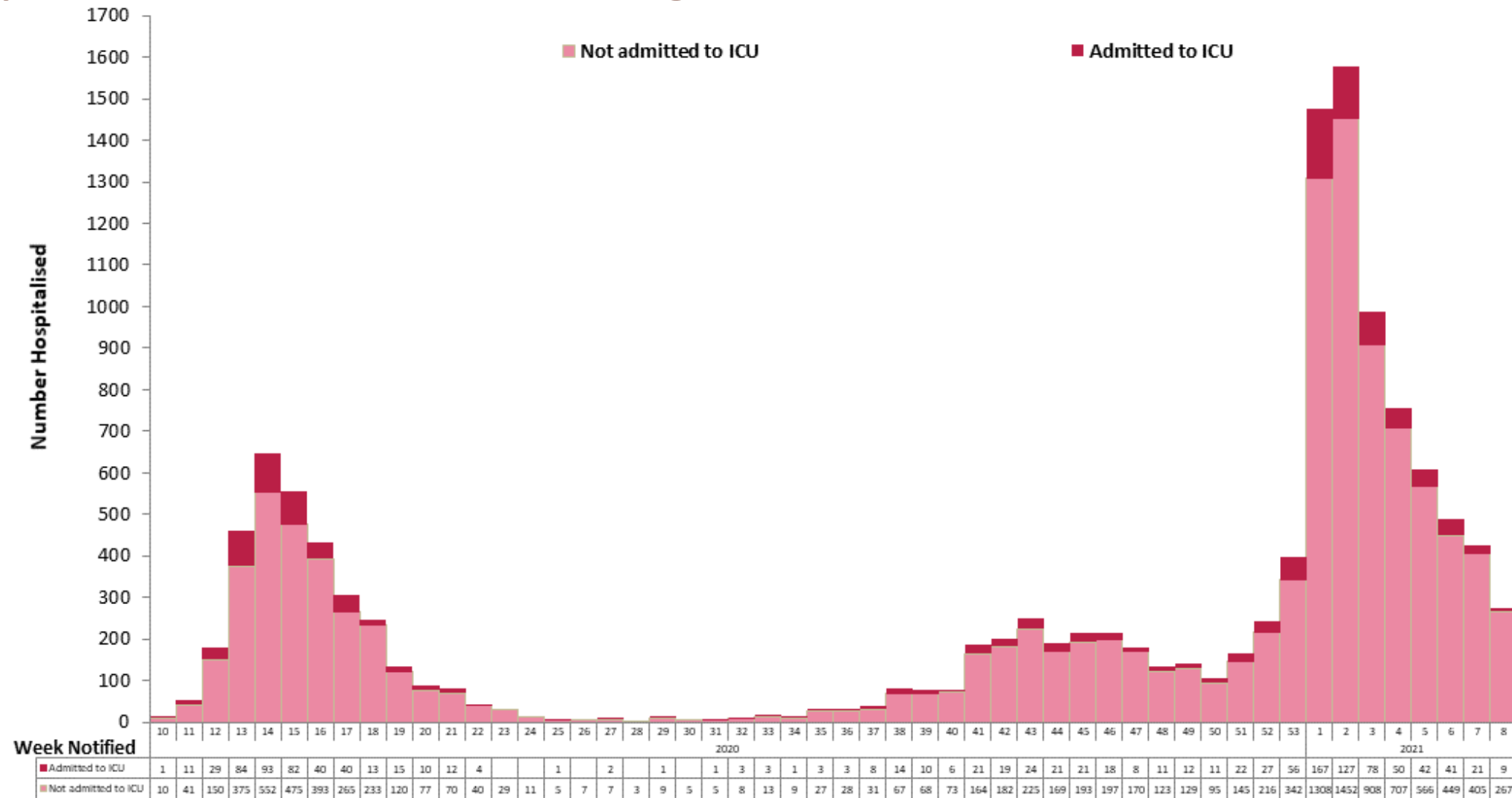


Figure 14: Number of hospitalised COVID-19 cases based on ICU admission status in Ireland between week 10, 2020 and week 8, 2021*

*Please note that the most recent weeks may not yet reflect all admissions.

Deaths among COVID-19 cases

| | Number | Percent |
|--|----------|---------|
| Total number of deaths | 4,319 | |
| confirmed | 4,060 | 94.0 |
| probable | 93 | 2.2 |
| possible | 166 | 3.8 |
| Number hospitalised who died | 2177 | 50.4 |
| admitted to ICU who died | 362 | 8.4 |
| not admitted to ICU who died | 1815 | 42.0 |
| Number of imported cases who died | 5 | 0.1 |
| Number of HCWs who died | 15 | 0.3 |
| Number with underlying conditions who died | 3,638 | 84.2 |
| Males who died | 2268 | 52.5 |
| M:F ratio | 1.11 | |
| Median age (years) | 83 | |
| Mean age (years) | 81 | |
| Age range (years) | 16 - 105 | |

Table 3: Summary of deaths in all COVID-19 cases notified in Ireland between week 10, 2020 and week 8, 2021

| Age group (years) | Female | Male | Total | Percent |
|-------------------|-------------|-------------|-------|--------------|
| <45 yrs | 22 | 24 | 46 | 1.1 |
| 45-54 yrs | 23 | 41 | 64 | 1.5 |
| 55-64 yrs | 79 | 134 | 213 | 4.9 |
| 65-74 yrs | 229 | 428 | 657 | 15.2 |
| 75-84 yrs | 623 | 841 | 1464 | 33.9 |
| 85+ yrs | 1073 | 800 | 1873 | 43.4 |
| Unknown | 2 | | 2 | 0.0 |
| Total | 2051 | 2268 | 4319 | 100.0 |
| Percent | 47.5 | 52.5 | | |

Table 4: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland between week 10, 2020 and week 8, 2021

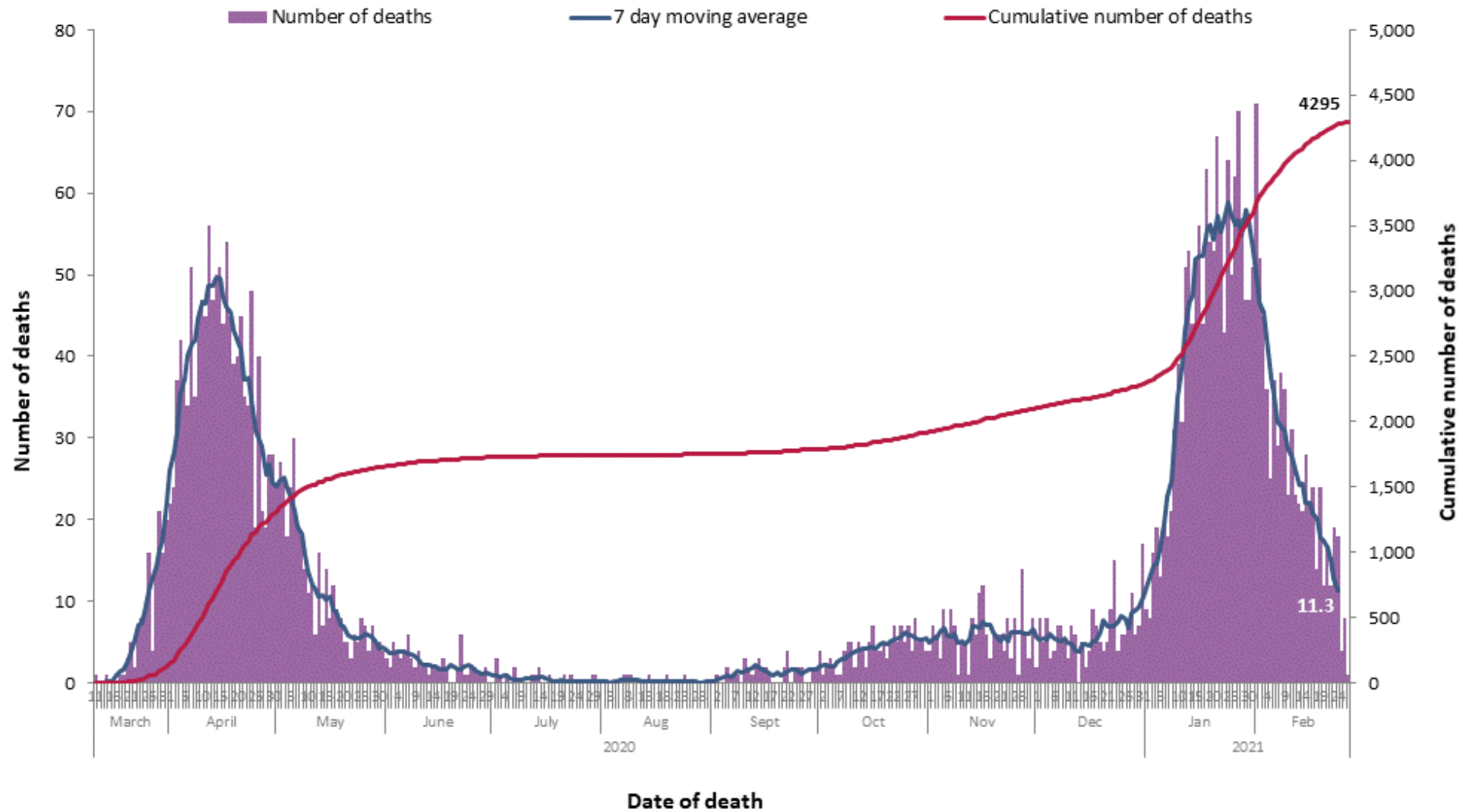


Figure 15a: Daily and 7-day moving average number of deaths among COVID-19 cases notified in Ireland by date of death and cumulative total between week 10, 2020 and week 8, 2021

* Date of death is not yet available for 24 cases

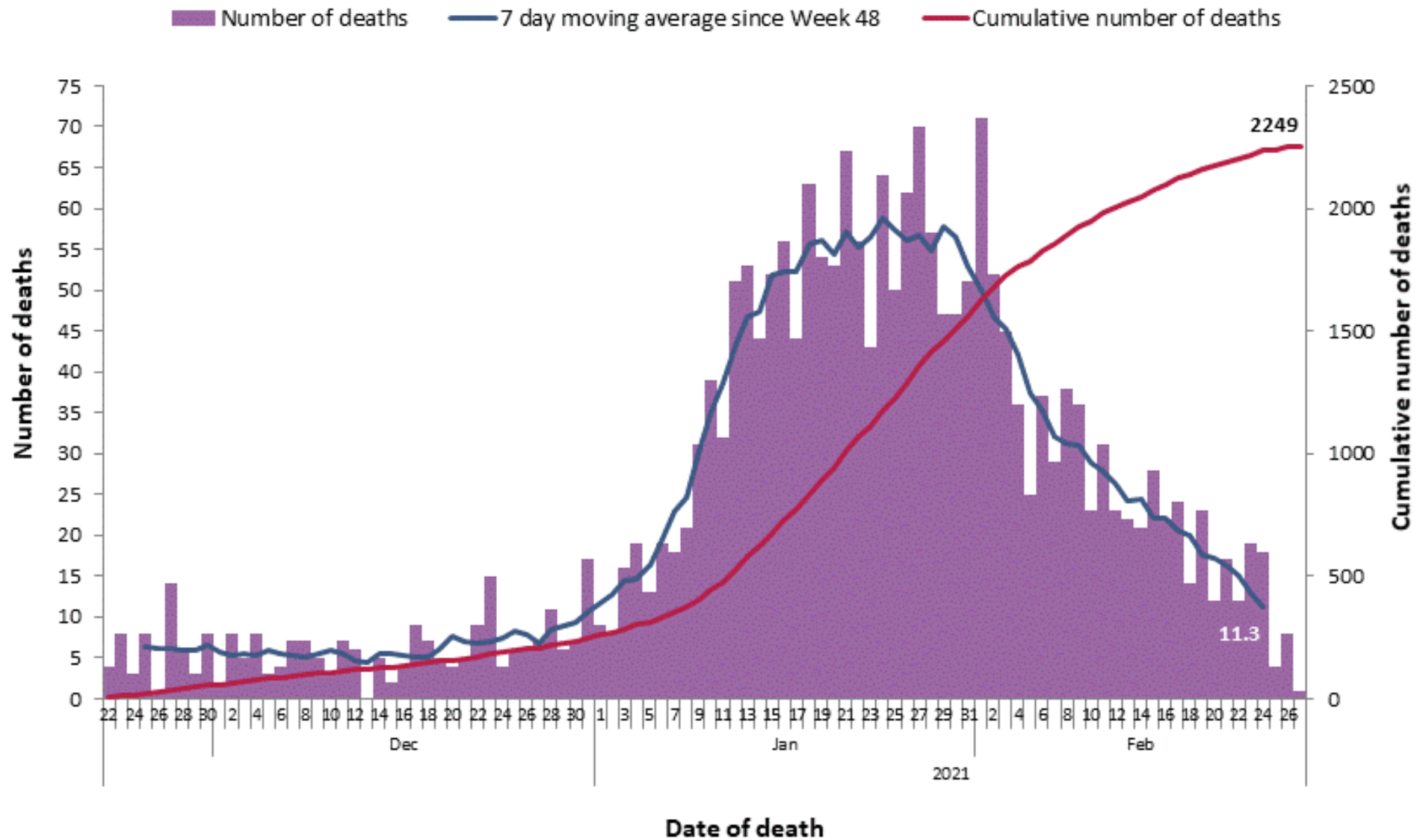


Figure 15b: Daily and 7-day moving average number of deaths among COVID-19 cases notified in Ireland by date of death and cumulative total, between week 48, 2020 and week 8, 2021

Please note: a lag in time between reporting of deaths and data extraction is expected and as such most recent dates will not yet reflect all deaths on that date

Please refer to the Health Protection Surveillance (HPSC) website for specific reports on

- [14 Day report](#) epidemiology of COVID-19 in Ireland
- [Outbreaks/clusters](#) in Ireland COVID-19 weekly report
- [Underlying Conditions](#) in confirmed cases of COVID-19 in Ireland weekly report
- [Healthcare Workers](#) in Ireland COVID-19 weekly report

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

1. Data Source

- Data are based on statutory notifications and were extracted from Computerised Infectious Disease Reporting (CIDR) system at 09:30 on 18/01/2021. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
- Slides 23 and 24 include data reported from the Irish sentinel GP network.

2. 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. By using this date rather than event creation/ notification date, adjusts for any delays in testing/notification.

3. Population data

- Population data were taken from Census 2016. Data were aggregated into the following age groups for the analysis: 0-4 years, 5-12 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.

Appendix 1: Epidemiological weeks, start and end dates, 2021

- Note: Epidemiological week is from Sunday to Saturday in line with the [Infectious Disease Regulations 1981](#) and subsequent amendments

| Year | Week | Start date | End date |
|------|------|------------|------------|
| 2021 | 1 | 03/01/2021 | 09/01/2021 |
| 2021 | 2 | 10/01/2021 | 16/01/2021 |
| 2021 | 3 | 17/01/2021 | 23/01/2021 |
| 2021 | 4 | 24/01/2021 | 30/01/2021 |
| 2021 | 5 | 31/01/2021 | 06/02/2021 |
| 2021 | 6 | 07/02/2021 | 13/02/2021 |
| 2021 | 7 | 14/02/2021 | 20/02/2021 |
| 2021 | 8 | 21/02/2021 | 27/02/2021 |
| 2021 | 9 | 28/02/2021 | 06/03/2021 |
| 2021 | 10 | 07/03/2021 | 13/03/2021 |
| 2021 | 11 | 14/03/2021 | 20/03/2021 |
| 2021 | 12 | 21/03/2021 | 27/03/2021 |
| 2021 | 13 | 28/03/2021 | 03/04/2021 |
| 2021 | 14 | 04/04/2021 | 10/04/2021 |
| 2021 | 15 | 11/04/2021 | 17/04/2021 |
| 2021 | 16 | 18/04/2021 | 24/04/2021 |
| 2021 | 17 | 25/04/2021 | 01/05/2021 |
| 2021 | 18 | 02/05/2021 | 08/05/2021 |
| 2021 | 19 | 09/05/2021 | 15/05/2021 |
| 2021 | 20 | 16/05/2021 | 22/05/2021 |
| 2021 | 21 | 23/05/2021 | 29/05/2021 |
| 2021 | 22 | 30/05/2021 | 05/06/2021 |
| 2021 | 23 | 06/06/2021 | 12/06/2021 |
| 2021 | 24 | 13/06/2021 | 19/06/2021 |
| 2021 | 25 | 20/06/2021 | 26/06/2021 |
| 2021 | 26 | 27/06/2021 | 03/07/2021 |

| Year | Week | Start date | End date |
|------|------|------------|------------|
| 2021 | 27 | 04/07/2021 | 10/07/2021 |
| 2021 | 28 | 11/07/2021 | 17/07/2021 |
| 2021 | 29 | 18/07/2021 | 24/07/2021 |
| 2021 | 30 | 25/07/2021 | 31/07/2021 |
| 2021 | 31 | 01/08/2021 | 07/08/2021 |
| 2021 | 32 | 08/08/2021 | 14/08/2021 |
| 2021 | 33 | 15/08/2021 | 21/08/2021 |
| 2021 | 34 | 22/08/2021 | 28/08/2021 |
| 2021 | 35 | 29/08/2021 | 04/09/2021 |
| 2021 | 36 | 05/09/2021 | 11/09/2021 |
| 2021 | 37 | 12/09/2021 | 18/09/2021 |
| 2021 | 38 | 19/09/2021 | 25/09/2021 |
| 2021 | 39 | 26/09/2021 | 02/10/2021 |
| 2021 | 40 | 03/10/2021 | 09/10/2021 |
| 2021 | 41 | 10/10/2021 | 16/10/2021 |
| 2021 | 42 | 17/10/2021 | 23/10/2021 |
| 2021 | 43 | 24/10/2021 | 30/10/2021 |
| 2021 | 44 | 31/10/2021 | 06/11/2021 |
| 2021 | 45 | 07/11/2021 | 13/11/2021 |
| 2021 | 46 | 14/11/2021 | 20/11/2021 |
| 2021 | 47 | 21/11/2021 | 27/11/2021 |
| 2021 | 48 | 28/11/2021 | 04/12/2021 |
| 2021 | 49 | 05/12/2021 | 11/12/2021 |
| 2021 | 50 | 12/12/2021 | 18/12/2021 |
| 2021 | 51 | 19/12/2021 | 25/12/2021 |
| 2021 | 52 | 26/12/2021 | 01/01/2022 |