Weekly Report on the Epidemiology of COVID-19 in Ireland

Week 1, 2022

Health Protection Surveillance Centre, HPSC

COVID-19 Epidemiology Team, 10/01/2022

Please note:

- The epidemiological weeks in this report, run from Sunday to Saturday. Please refer to the HPSC website for a complete list of epidemiological weeks with start and end dates for 2020-2022.
- Reference dates:
  - Week 10, 2020 (1st to 7th March 2020) – the beginning of the pandemic in Ireland, also the start of the first wave
  - Week 32, 2020 (2nd to 8th August 2020) – the beginning of the 2nd wave
  - Week 48, 2020 (22nd to 28th November 2020) – the beginning of the 3rd wave
  - Week 26, 2021 (27th June to 3rd July 2021) – the beginning of the 4th wave
  - Week 51, 2021 (19th to 25th December) – the beginning of the 5th wave
  - Week 1, 2022 (2nd January 2022 to 08th January 2022) – most recent epidemiological week
- Data for this report is based on cases notified on the Computerised Infectious Disease Reporting system (CIDR)
- Data was extracted from CIDR system on 10/01/2022
- Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.

Notes on data during this surge period

- Since 22/12/2021 the daily COVID-19 case number reported publicly is an estimate based on positive SARS-CoV-2 results uploaded to the HSE COVID Care Tracker the preceding day. This transition was in anticipation of a large volume of cases and decreased capacity among surveillance partners over the Christmas period. Given the ongoing surge in cases, the daily case number reported continues to be an estimate. These data are provisional and do not represent notified cases. They serve to provide an up-to-date picture of trends during this surge period. The notification of cases on the Computerised Infectious Disease Reporting system (CIDR) has continued.
- Figure 1 displays the daily COVID-19 case number reported since 1st December, 2021, including the estimated daily case number.
- All other case-based data in this report are based on confirmed cases notified on CIDR.
- The weekly number of notifications on CIDR since week 51 (19th to 25th December 2021) and the cumulative number of cases reported here, will differ from those obtained by adding the reported daily COVID-19 case number due to the reporting of an estimate daily case number since 22/12/2022.
- Due to the current surge in case numbers the overall reporting time (time from when a case is diagnosed to when they are notified) has increased since week 51. Data on cases diagnosed in the past week is subject to reporting delays and therefore may not be complete.
- A technical issue experienced over the Christmas weekend and reduced surveillance capacity over the Christmas period contributed to the increased reporting time. However, the current case numbers continue to exceed capacity leading to the increased reporting time. Work is ongoing among surveillance partners to increase capacity and reduce reporting time.
- To account for this increased reporting time, additional trend data on total cases (Figure 14) are presented by epidemiological date. Epidemiological date is based on the earliest of dates available on the case. Analysis by epidemiological date provides a more accurate picture of trends as it removes the impact of reporting time. However, data for the most recent week may still not be complete and are provisional.
- Notifications among those aged 4 to 39 years in week 1, 2022 may have been affected by the change in testing policy since 3rd January 2022. Symptomatic people aged 4 to 39 years were advised to undertake antigen self-testing, and to book a PCR test if an antigen test is positive. This likely increased the time between onset of symptoms, PCR diagnosis, and notification. However, due to the current reporting time, any impact will be more apparent next week.
- The overall access to PCR testing during this surge period will also impact notifications.

Daily reported cases of COVID-19 in Ireland

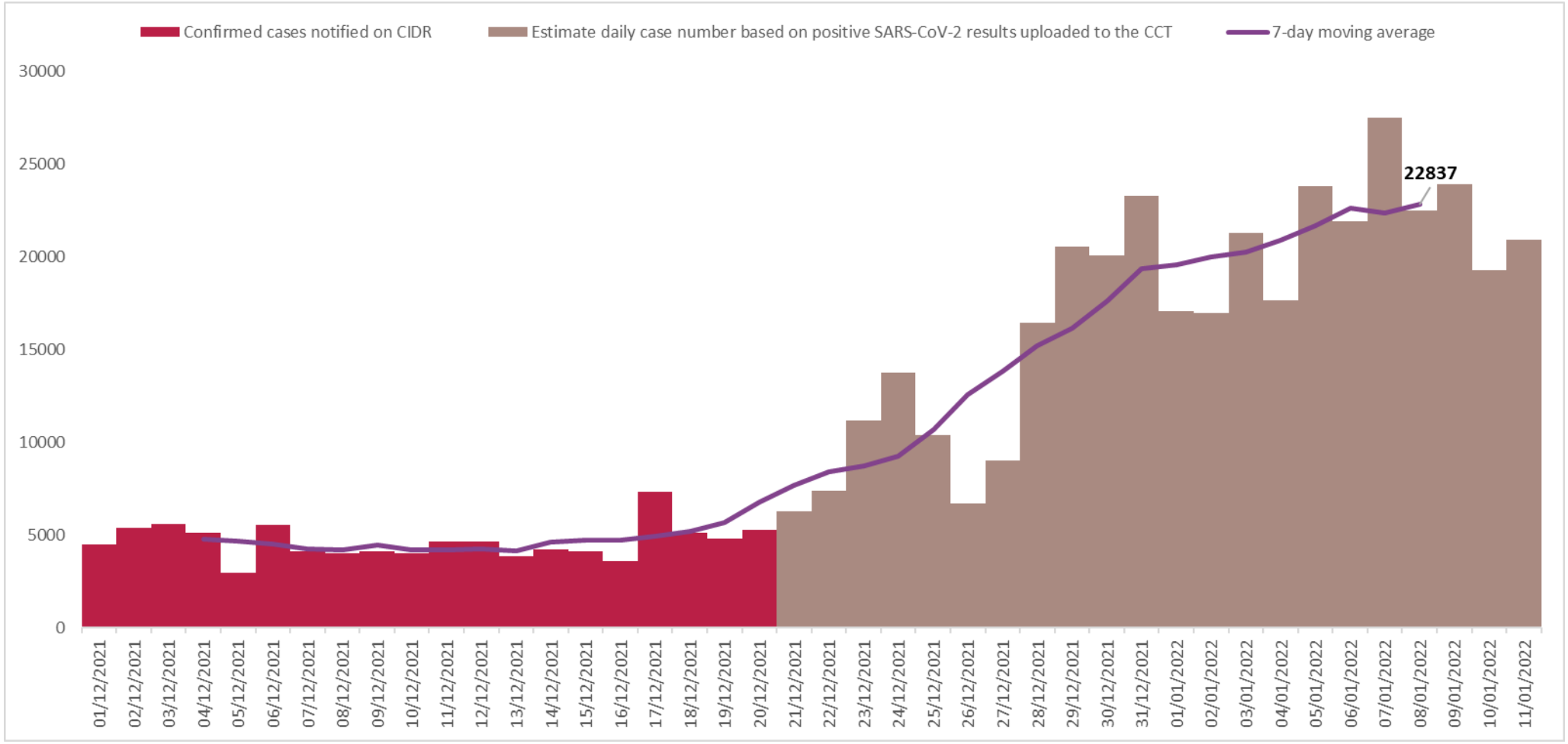


Figure 1: Number of reported cases* of COVID-19 in Ireland by day, 1st December 2021 to 11th January 2022

** Since 21/12/2021 the daily COVID-19 case number reported is an estimate based on positive SARS-CoV-2 results uploaded to the HSE COVIDCare Tracker the preceding day.*

Data source: CIDR and HSE COVIDCare Tracker, January 12th 2022

The following figures and tables are based on cases notified on CIDR and presented by week of notification.

Due to the current surge in case numbers the overall reporting time (time from when a case is diagnosed to when they are notified) has increased since week 51. Notifications since week 51, 2021 are therefore artificially reduced due to the increased reporting time.

Data on cases diagnosed in the past week is subject to reporting delays and therefore may not be complete. Cases diagnosed during this period will be reflected in notifications during subsequent weeks.

Summary characteristics of COVID-19 cases notified in Ireland

	Total (week 10, 2020-week 1, 2022)		Week 1, 2022[$]	
	Number	Percent	Number	Percent
Total number of confirmed cases	850,773		88,926	
Incidence rate of confirmed cases per 100,000 population	17866.4		1867.5	
Number of cases hospitalised	22,821	2.7	548*	0.6
Number of cases admitted to ICU	2,366	0.3	11*[#]	0.01
Number of deaths among confirmed cases	5,754	0.7	22*[#]	0.02
Case fatality ratio (CFR %)	0.7		0.02	
Incidence rate of confirmed deaths per 100,000 population	120.8		0.46	
Males	414,507	48.7	41,966	47.2
Females	435,900	51.2	46,793	52.6
M:F ratio	0.95		0.90	
Median (years)	32		31	
Mean age (years)	34		33	
Age range (years)	0-108		0-105	

[$]Notifications in week 1, 2022 are artificially reduced.

**The number of cases hospitalised, cases admitted to ICU and deaths 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, ICU admissions and deaths related to COVID-19 which occurred during the period covered by the report. It also does not reflect the final number of cases hospitalised, admitted to ICU or deaths for these cases notified during this period as the outcome may not yet have occurred, or is yet to be notified.*

[#]Notifications of deaths and ICU admissions to HPSC may be impacted by increased reporting time of cases.

Epidemic curve of COVID-19 cases notified in Ireland

The 5th pandemic wave in Ireland commenced in week 51, 2021. This time point was designated based on when the omicron variant of concern was estimated to have become the dominant circulating variant in Ireland, and when the incidence of COVID-19 markedly increased.

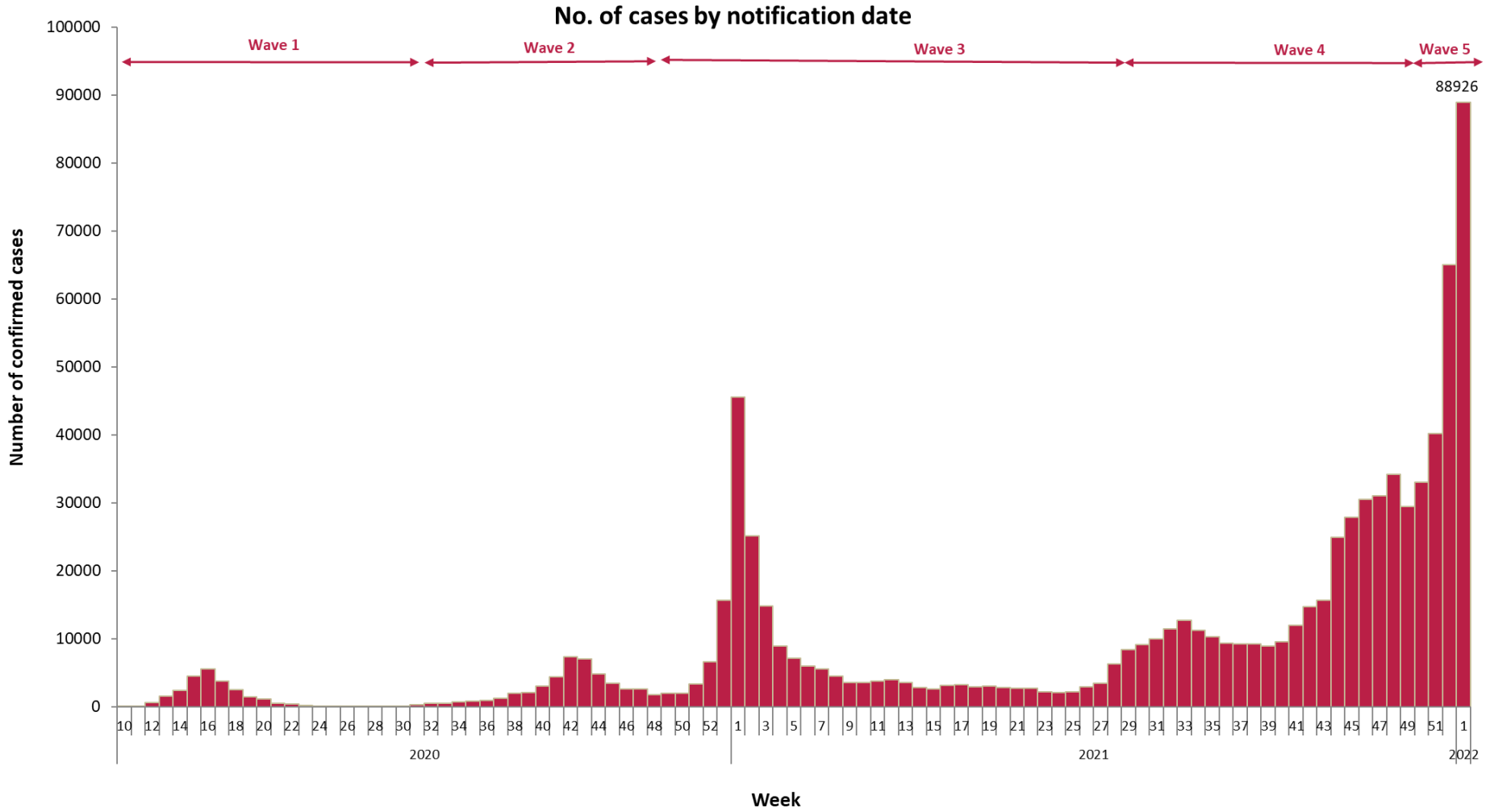


Figure 2: Number of confirmed COVID-19 cases by week of notification in Ireland between week 10, 2020 and week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

Data source: CIDR, January 12th 2022

Summary characteristics of COVID-19 cases notified in Ireland during week 1, 2022

Table 1: Characteristics of confirmed COVID-19 cases notified in Ireland during week 1*, 2022

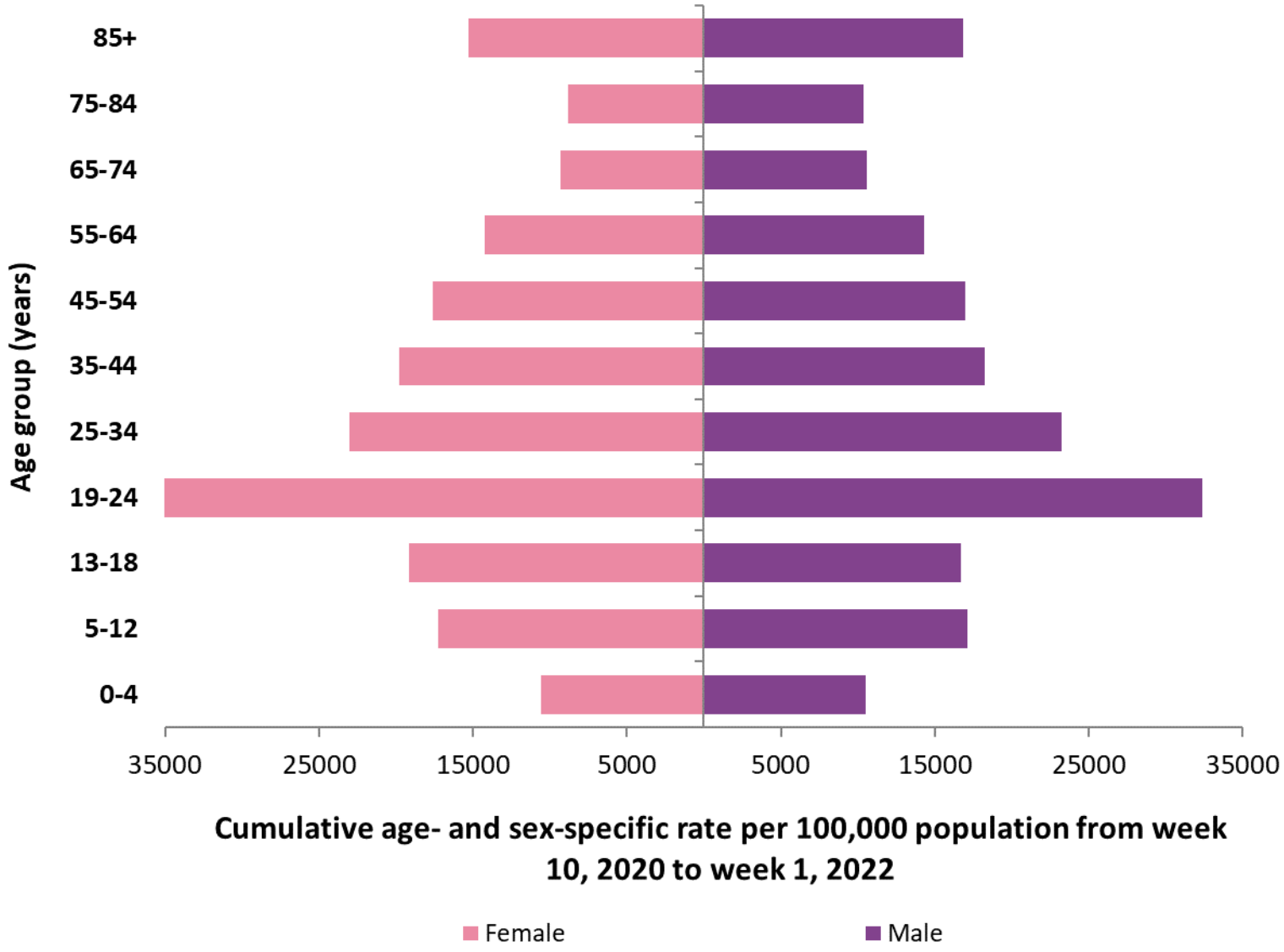
Characteristic		Week 1	Percent
Total number of confirmed cases		88,926	100
Sex	Male:Female ratio	0.90	
	Male	41,966	47.2
	Female	46,793	52.6
	Unknown	167	0.2
Age	Mean age (years)	33	
	Median age (years)	31	
	Age range (years)	0-105	
	0-4 yrs	2733	3.1
	5-12 yrs	7,363	8.3
	13-18 yrs	7,785	8.8
	19-24 yrs	13,973	15.7
	25-34 yrs	19,214	21.6
	35-44 yrs	15,955	17.9
	45-54 yrs	11,411	12.8
	55-64 yrs	6,273	7.1
	65-74 yrs	2,669	3.0
	75-84 yrs	1,141	1.3
	85+ yrs	408	0.5
	Unknown	1	0.0

**Notifications in week 1, 2022 are artificially reduced.*

Age and sex pyramid for COVID-19 cases notified in Ireland

Figure 3a: 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 1, 2022

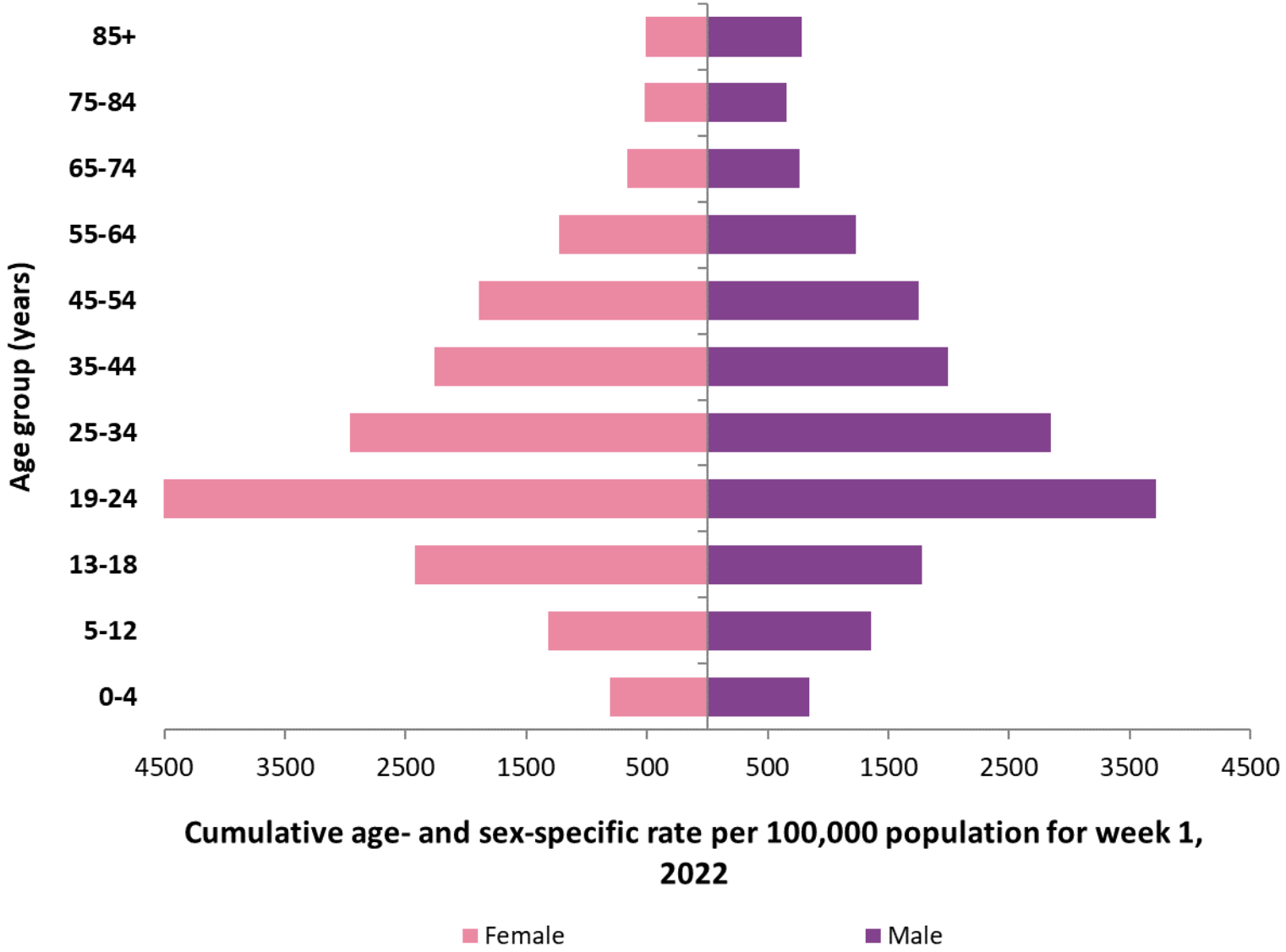
(excluding 89 cases for whom age is unknown, 365 cases for whom sex is unknown and one case for whom both are unknown)



Age and sex pyramid for COVID-19 cases notified in Ireland during week 1, 2022

Figure 3b: Cumulative age and sex-specific incidence rates of confirmed COVID-19 cases per 100,000 population notified in Ireland during week 1*, 2022

(excluding 1 case for whom age is unknown and 167 cases for whom sex is unknown)



**Notifications in week 1, 2022 are artificially reduced.*

Proportion of COVID-19 cases notified in Ireland across age groups during the 4th and 5th waves

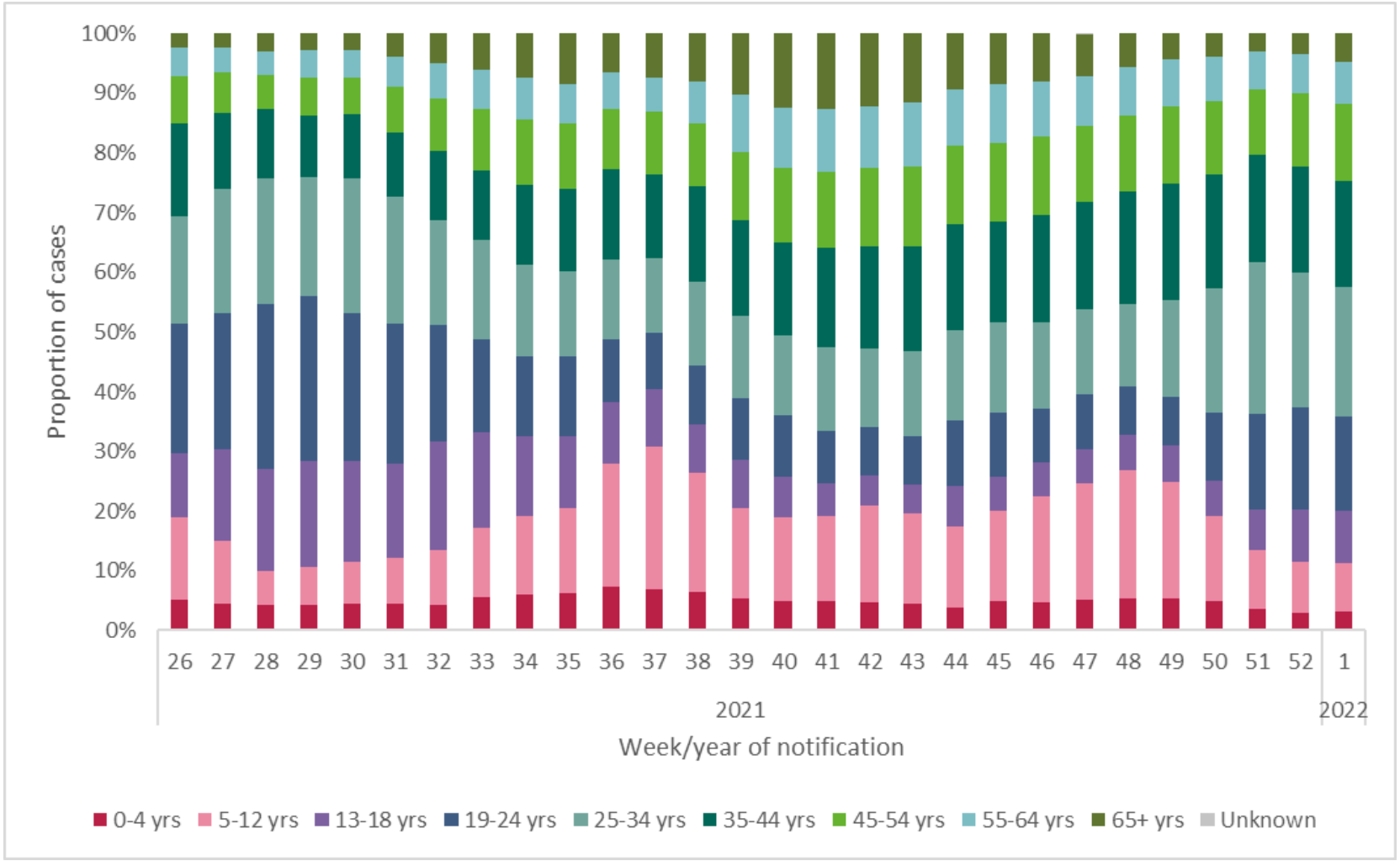


Figure 4: Proportion of confirmed COVID-19 cases by age group in Ireland **by week of notification** from week 26, 2021 to week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

Incidence rates by age group for COVID-19 cases notified in Ireland during the 4th and 5th waves

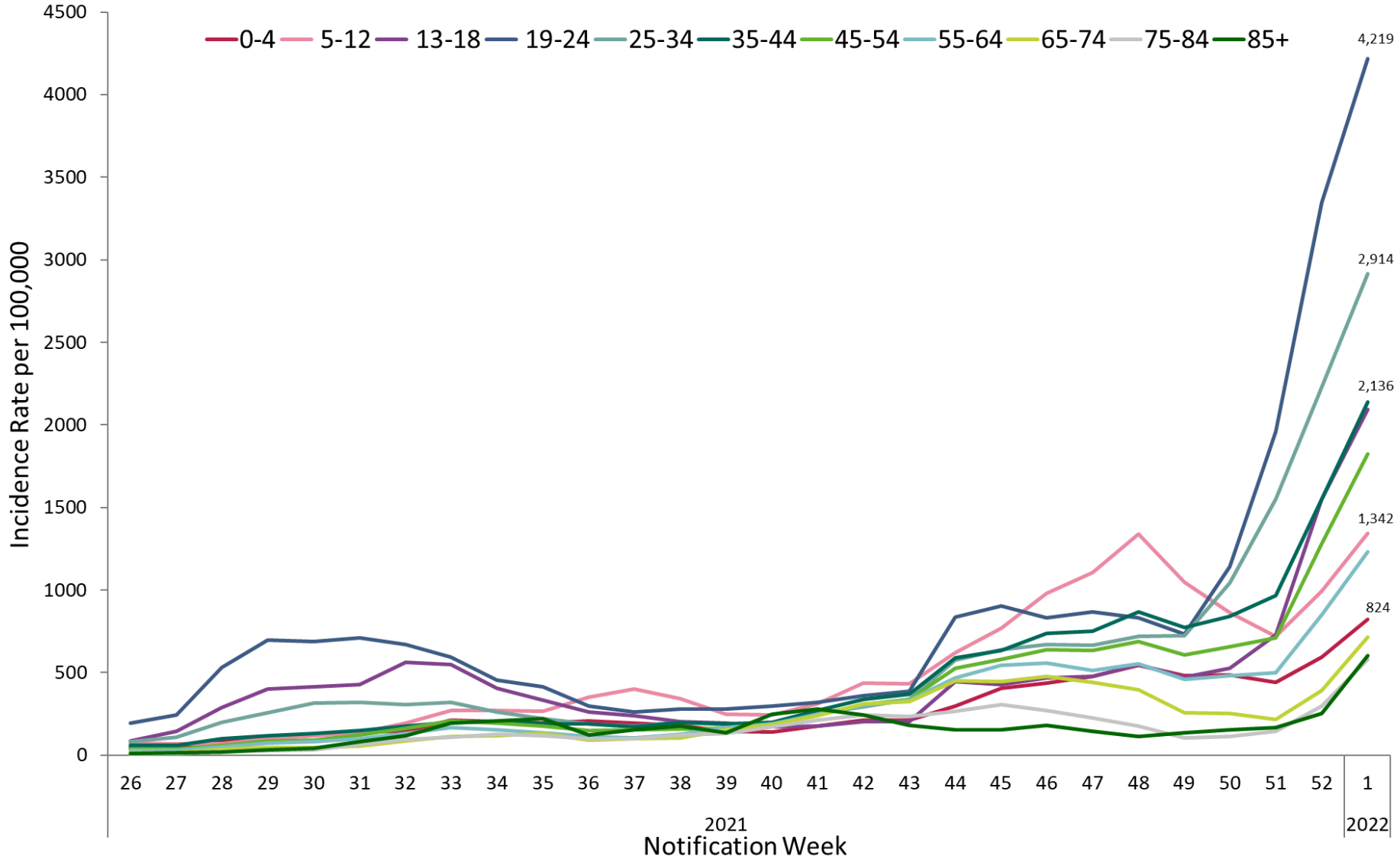
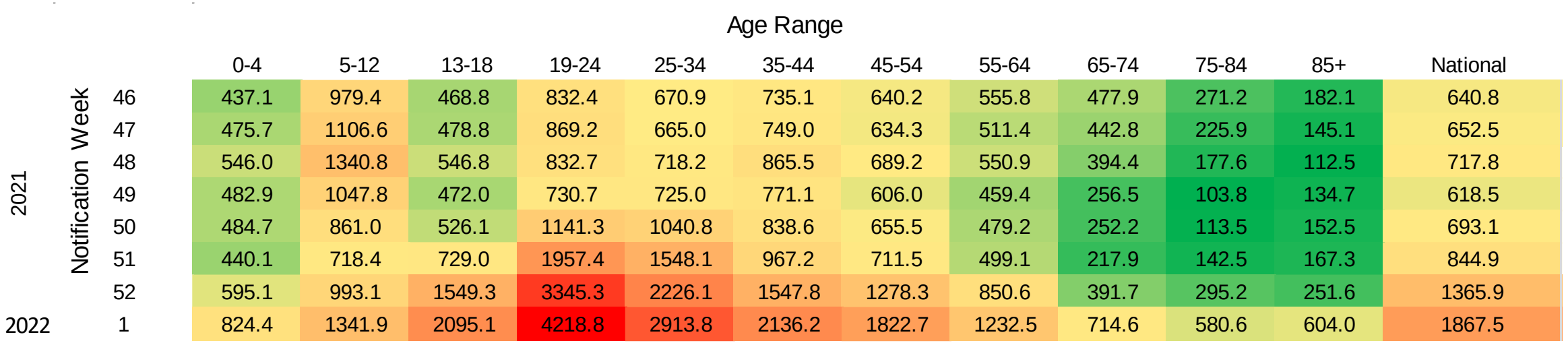


Figure 5: Weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland **by week of notification** from week 26, 2021 to week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

Data source: CIDR, January 12th 2022

Incidence by age groups for COVID-19 cases notified in Ireland during the 4th and 5th waves



	Notification Week	Age Range 0-4	5-12	13-18	19-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	National
2021	46	437.1	979.4	468.8	832.4	670.9	735.1	640.2	555.8	477.9	271.2	182.1	640.8
	47	475.7	1106.6	478.8	869.2	665.0	749.0	634.3	511.4	442.8	225.9	145.1	652.5
	48	546.0	1340.8	546.8	832.7	718.2	865.5	689.2	550.9	394.4	177.6	112.5	717.8
	49	482.9	1047.8	472.0	730.7	725.0	771.1	606.0	459.4	256.5	103.8	134.7	618.5
	50	484.7	861.0	526.1	1141.3	1040.8	838.6	655.5	479.2	252.2	113.5	152.5	693.1
	51	440.1	718.4	729.0	1957.4	1548.1	967.2	711.5	499.1	217.9	142.5	167.3	844.9
	52	595.1	993.1	1549.3	3345.3	2226.1	1547.8	1278.3	850.6	391.7	295.2	251.6	1365.9
2022	1	824.4	1341.9	2095.1	4218.8	2913.8	2136.2	1822.7	1232.5	714.6	580.6	604.0	1867.5

Figure 6: Heat map of weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population in Ireland **by week of notification** from week 46, 2021 to week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

COVID-19 cases in children 18 years and under by notification date

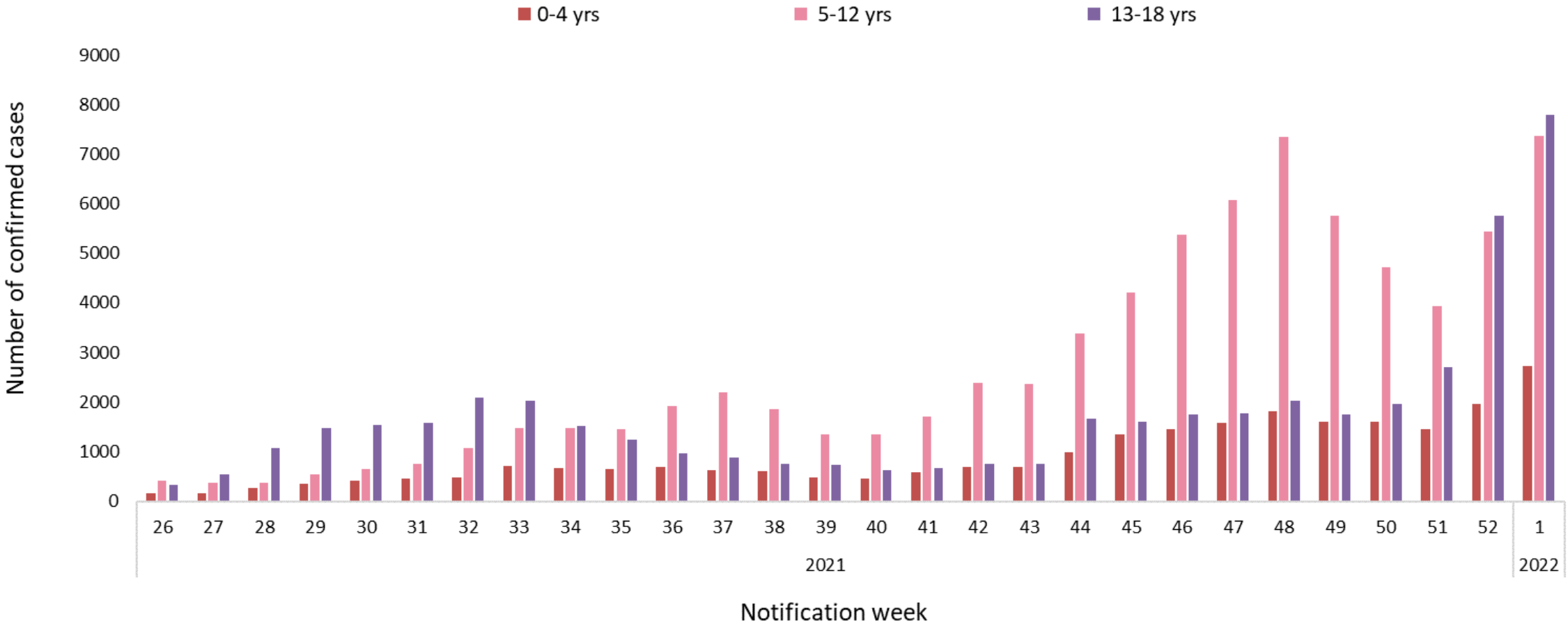


Figure 7: Weekly number of age-specific confirmed COVID-19 cases **by week of notification** in Ireland from week 26, 2021 to week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

COVID-19 weekly incidence rate among children aged 0-18 years in Ireland during the 4th and 5th waves

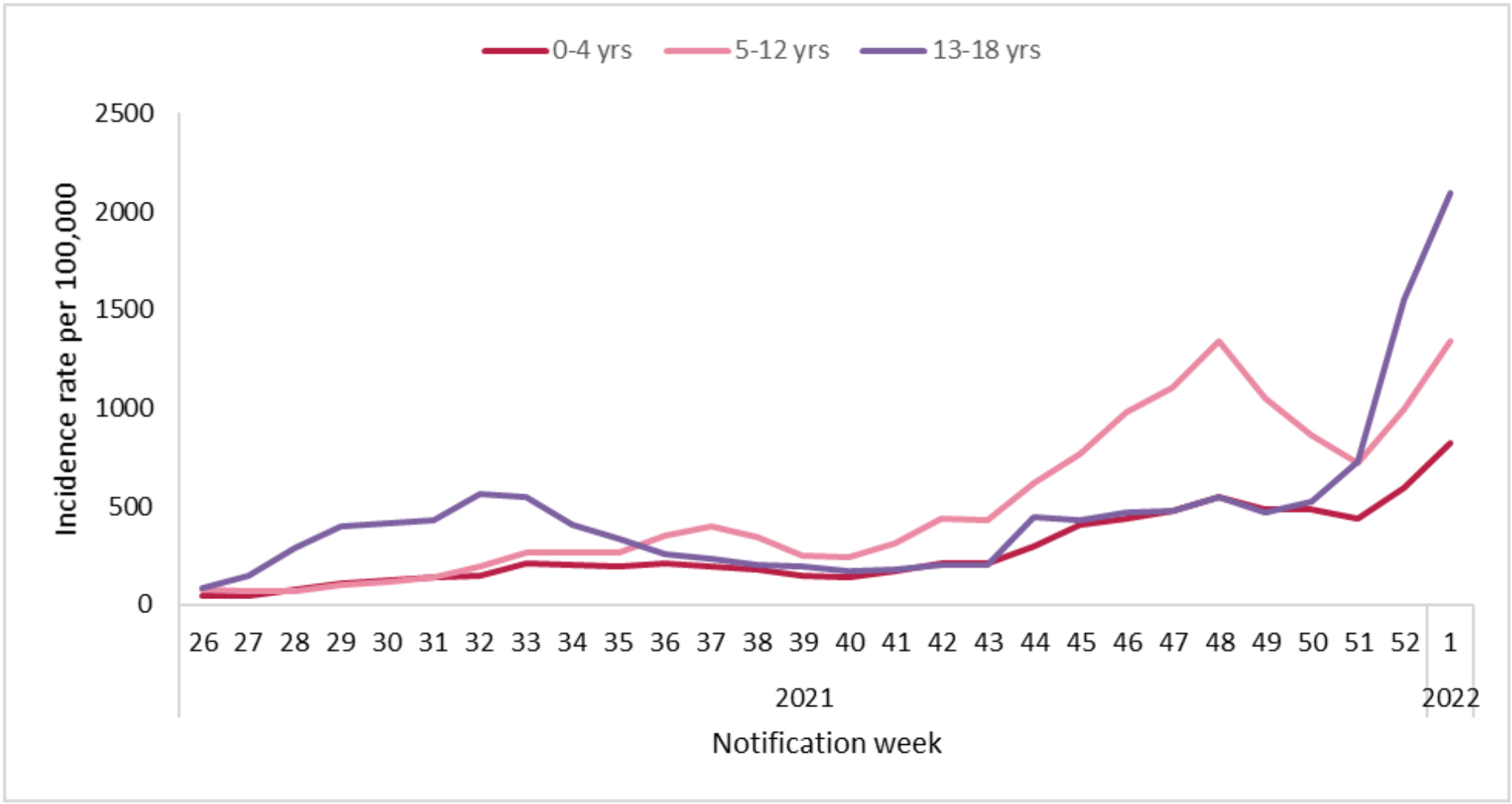


Figure 8: Weekly age-specific incidence rates of confirmed COVID-19 cases per 100,000 population among children aged 0-18 years in from week 26, 2021 to week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

Characteristics for COVID-19 cases notified in Ireland by county during week 1, 2022

Table 2: Characteristics of confirmed COVID-19 cases by county notified in Ireland, during week 1*, 2022

During this surge period data validation is limited. In some instances, the county is inferred from the county of the test centre or the county of the laboratory, and may not be the county of residence of the case. Data by county should therefore be interpreted with caution.

County	Cases		M:F ratio	Median age	Incidence Rate per 100,000
	N	%		(years)	
Westmeath	3090	3.5	1.0	29	3480.9
Carlow	1520	1.7	0.9	29	2669.9
Clare	3120	3.5	0.9	29	2625.9
Louth	3286	3.7	0.9	32	2549.6
Offaly	1765	2.0	1.0	31	2264.0
Donegal	3521	4.0	0.9	31	2211.8
Longford	884	1.0	0.9	29	2162.8
Kilkenny	2121	2.4	1.0	29	2137.4
Dublin	27906	31.4	0.9	32	2071.2
Sligo	1303	1.5	1.0	30	1988.3
Roscommon	1249	1.4	0.9	31	1935.1
Meath	3774	4.2	0.9	32	1934.9
Wicklow	2752	3.1	0.9	30	1932.2
Kildare	4236	4.8	0.9	30	1903.8
Tipperary	2754	3.1	0.9	30	1726.1
Mayo	2232	2.5	1.0	31	1710.3
Leitrim	528	0.6	0.9	30	1647.7
Monaghan	998	1.1	0.9	30	1625.8
Laois	1358	1.5	0.9	30	1603.4
Galway	4089	4.6	0.9	31	1584.5
Limerick	2949	3.3	0.9	30	1513.1
Cavan	1096	1.2	0.7	30	1438.8
Wexford	2148	2.4	0.9	30	1434.7
Waterford	1575	1.8	0.7	29	1355.7
Cork	7012	7.9	0.9	30	1291.7
Kerry	1660	1.9	0.8	28	1123.8

**Notifications in week 1, 2022 are artificially reduced.*

Incidence rates by county for COVID-19 cases notified, latest 8 weeks

During this surge period data validation is limited. In some instances, the county is inferred from the county of the test centre or the county of the laboratory, and may not be the county of residence of the case. Data by county should therefore be interpreted with caution.

		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
2021	Week 46	894.0	718.1	606.0	630.9	592.4	684.7	536.3	590.4	604.9	795.1	473.5	586.7	527.5	704.6	748.7	639.0	703.9	540.8	581.1	571.7	547.8	667.5	713.6	867.4	533.7	492.2	640.8
	47	901.1	531.7	572.3	654.9	523.3	756.9	550.7	463.1	671.9	723.6	609.2	527.4	499.7	753.6	753.4	498.1	611.7	462.6	469.5	484.9	505.1	745.8	738.5	911.3	620.5	495.7	652.5
	48	1024.0	539.5	596.7	743.6	550.3	755.0	615.8	595.1	879.5	742.7	830.0	586.7	513.1	672.8	834.9	541.7	758.3	594.6	637.5	653.8	660.7	843.0	711.9	941.8	676.6	746.4	717.8
	49	714.9	452.9	565.6	636.3	486.8	745.1	488.3	499.0	778.0	654.0	746.2	480.6	407.9	467.3	602.1	358.6	598.8	496.9	555.4	350.1	401.3	637.4	649.9	761.5	523.0	519.6	618.5
	50	683.3	442.4	478.9	725.2	457.3	911.6	560.7	586.3	729.0	673.2	621.0	605.4	554.1	584.7	745.6	380.1	692.7	480.6	538.7	429.2	383.0	611.1	748.0	654.5	527.6	598.9	693.1
	51	706.1	623.6	678.4	662.2	789.0	1092.3	858.3	647.9	1004.9	1153.9	562.0	686.6	717.8	841.6	1141.3	567.0	806.5	995.3	534.9	734.4	547.8	733.9	480.3	1301.1	408.8	595.4	844.9
	52	1798.6	1058.1	1975.3	1110.6	1591.8	1412.1	1524.1	884.2	1134.4	1855.2	1728.5	1320.1	1251.4	1822.7	1546.4	1190.7	1233.6	1207.1	1689.3	1397.5	1176.5	1227.2	1042.4	3054.0	956.4	1127.6	1365.9
2022	1	2669.9	1438.8	2625.9	1291.7	2211.8	2071.2	1584.5	1123.8	1903.8	2137.4	1603.4	1647.7	1513.1	2162.8	2549.6	1710.3	1934.9	1625.8	2264.0	1935.1	1988.3	1726.1	1355.7	3480.9	1434.7	1932.2	1867.5

Figure 9: Heat map of weekly incidence rates by county of confirmed COVID-19 cases per 100,000 population in Ireland **by week of notification** between week 46, 2021 and week 1*, 2022

**Notifications since week 51, 2021 are artificially reduced due to the increased reporting time.*

Most likely transmission source of COVID-19 cases

Data is not unavailable due to the current surge in cases.

Hospitalisations, ICU admissions and deaths during waves 1 - 5

Table 4: Summary of hospitalisations, ICU admissions and deaths by age group and wave.

(This does not include 90 cases for whom the age is unknown, of these 6 were indicated to be hospitalised and 1 was indicated to have died)

Age group	Wave	Number of cases	Number of cases hospitalised	% hospitalised	Number of cases admitted to ICU	% admitted to ICU	Number of cases who died*	% deaths
<65 yrs	1	19612	1523	7.8	277	1.4	109	0.6
	2	39954	875	2.2	80	0.2	29	0.1
	3	179381	4612	2.6	570	0.3	275	0.2
	4	358598	4036	1.1	462	0.1	178**	0.05
	5	186556	894	0.5	27	0.0	6**	0.00
	Total	**784101**	**11940**	**1.5**	**1416**	**0.2**	**597**	**0.1**
65+ yrs	1	6524	1803	27.6	161	2.5	1421	21.8
	2	4229	963	22.8	104	2.5	360	8.5
	3	20928	5067	24.2	401	1.9	2602	12.4
	4	27263	2713	10.0	274	1.0	738**	2.7
	5	7638	329	4.3	10	0.1	35**	0.5
	Total	**66582**	**10875**	**16.3**	**940**	**1.4**	**5156**	**7.7**

* Deaths in confirmed cases only

**Hospitalisations, ICU admissions, and deaths may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR. Notifications of ICU admissions and deaths to HPSC may be impacted by the extended Christmas and New Year weekends in particular.

#Notifications since week 51, 2021 (wave 5) are artificially reduced due to the increased reporting time.

Hospitalisations among COVID-19 cases during waves 3, 4 and 5

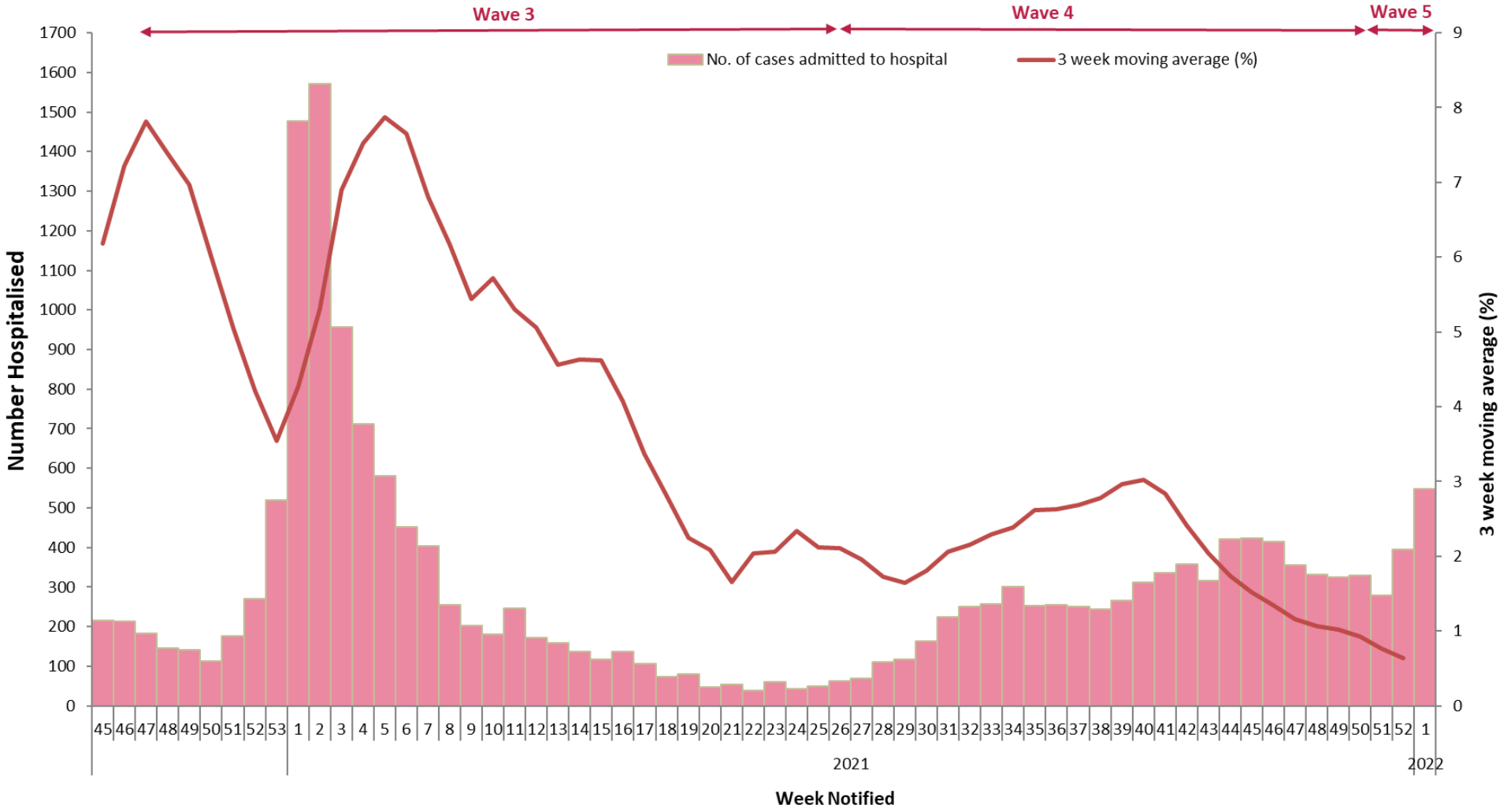


Figure 10: Number* of hospitalised COVID-19 cases* and 3 week moving average (%) of overall cases hospitalised in Ireland between week 45, 2020 and week 1**, 2022 **based on week of notification**

**Hospitalisations may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR.*

***Notifications since week 51, 2021 (wave 5) are artificially reduced due to the increased reporting time.*

ICU admissions among COVID-19 cases during waves 3, 4 and 5

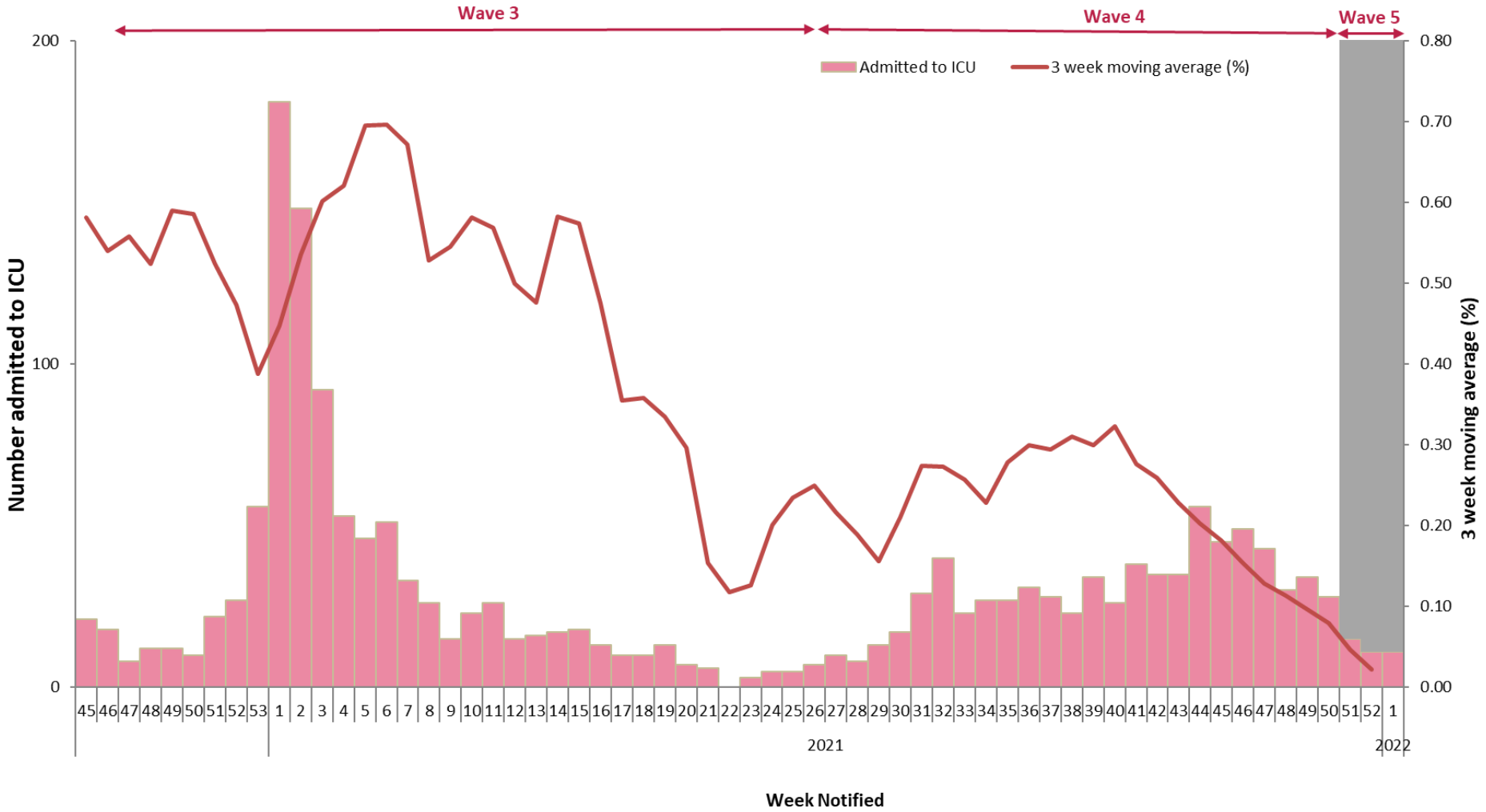


Figure 11: Number of ICU admissions* in COVID-19 cases and 3 week moving average (%) of ICU admissions of overall case numbers in Ireland between week 45, 2020 and week 1, 2022 **based on week of notification**

**ICU admissions may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR. The increased reporting time of cases may also impact the reporting of ICU admissions. The greyed area indicates that data for these weeks in particular is likely not complete and an underestimate.*

***Notifications since week 51, 2021 (wave 5) are artificially reduced due to the increased reporting time.*

Data source: CIDR, January 12th 2022

Deaths among COVID-19 cases

	Number	Percent
Total number of deaths	6,028	
confirmed	5,754	95.5
probable	97	1.6
possible	177	2.9
Number hospitalised who died	3,425	56.8
admitted to ICU who died	766	12.7
not admitted to ICU who died	5,262	87.3
Number of imported cases who died	19	0.3
Number of HCWs who died	20	0.3
Number with underlying conditions who died	5,084	84.3
Males who died	3,236	53.7
M:F ratio	1.16	
Median age (years)	82	
Mean age (years)	80	

Table 5: Summary of deaths in all COVID-19 cases notified in Ireland between week 10, 2020 and week 1, 2022

Age group (years)	Female	Male	Total	Percent
<45 yrs	34	41	75	**1**
45-54 yrs	50	100	150	**2**
55-64 yrs	138	247	385	**6**
65-74 yrs	368	646	1014	**17**
75-84 yrs	850	1154	2004	**33**
85+ yrs	1348	1048	2396	**40**
Unknown	3	0	3	**0**
Total	**2791**	**3236**	**6027**	**100.0**
Percent	**46.3**	**53.7**		

Table 6: Number of deaths in all COVID-19 cases by sex and age group notified in Ireland between week 10, 2020 and week 1, 2022

Deaths among COVID-19 cases

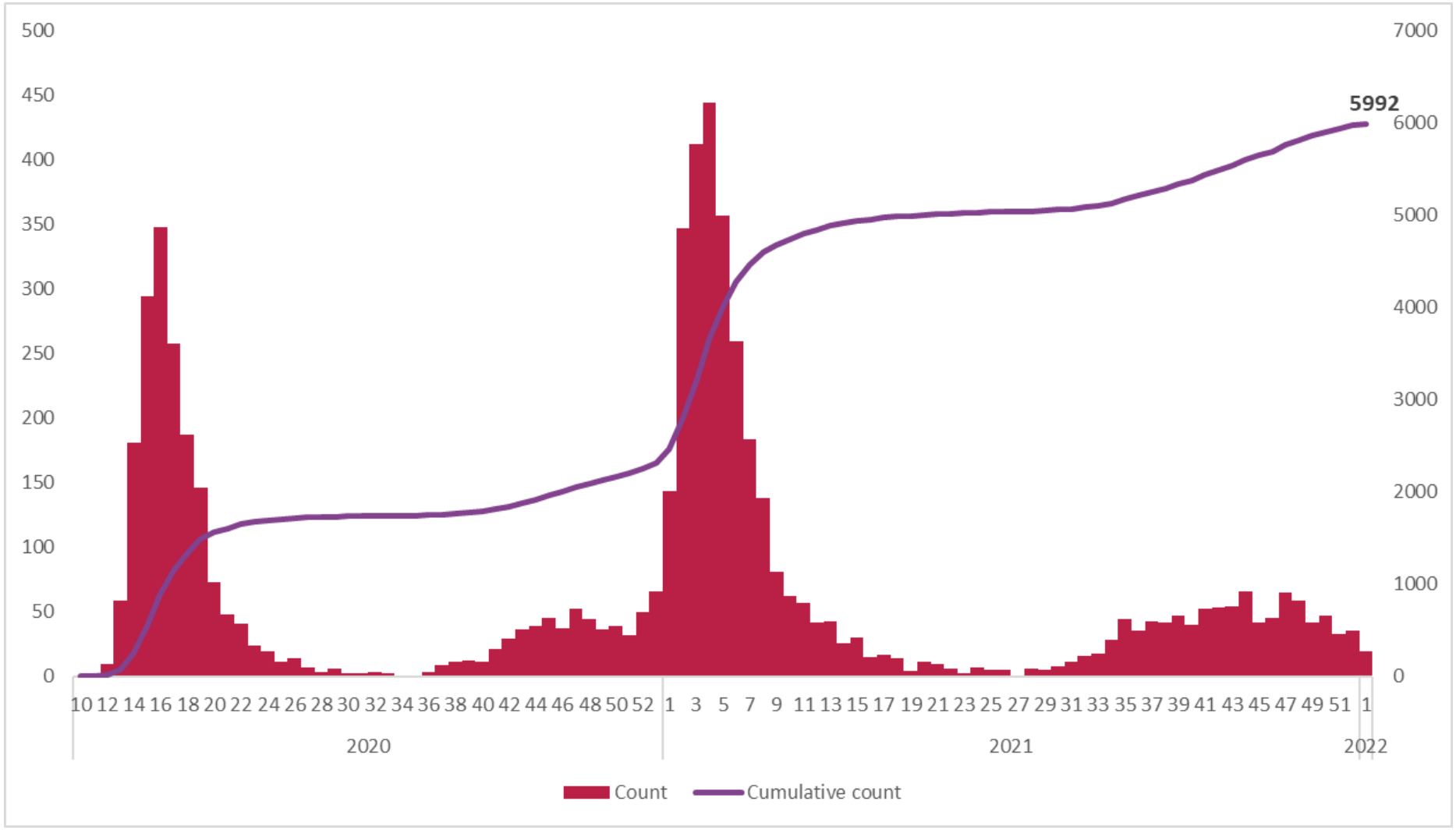


Figure 12: Total number* of COVID-19 deaths notified in and cumulative number **by week of death**, cases with a date of notification from 01/03/2020 to 08/01/2021. Date of death was not available for 36 deaths.

**Deaths may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR.*

Deaths among COVID-19 cases during waves 3, 4 and 5

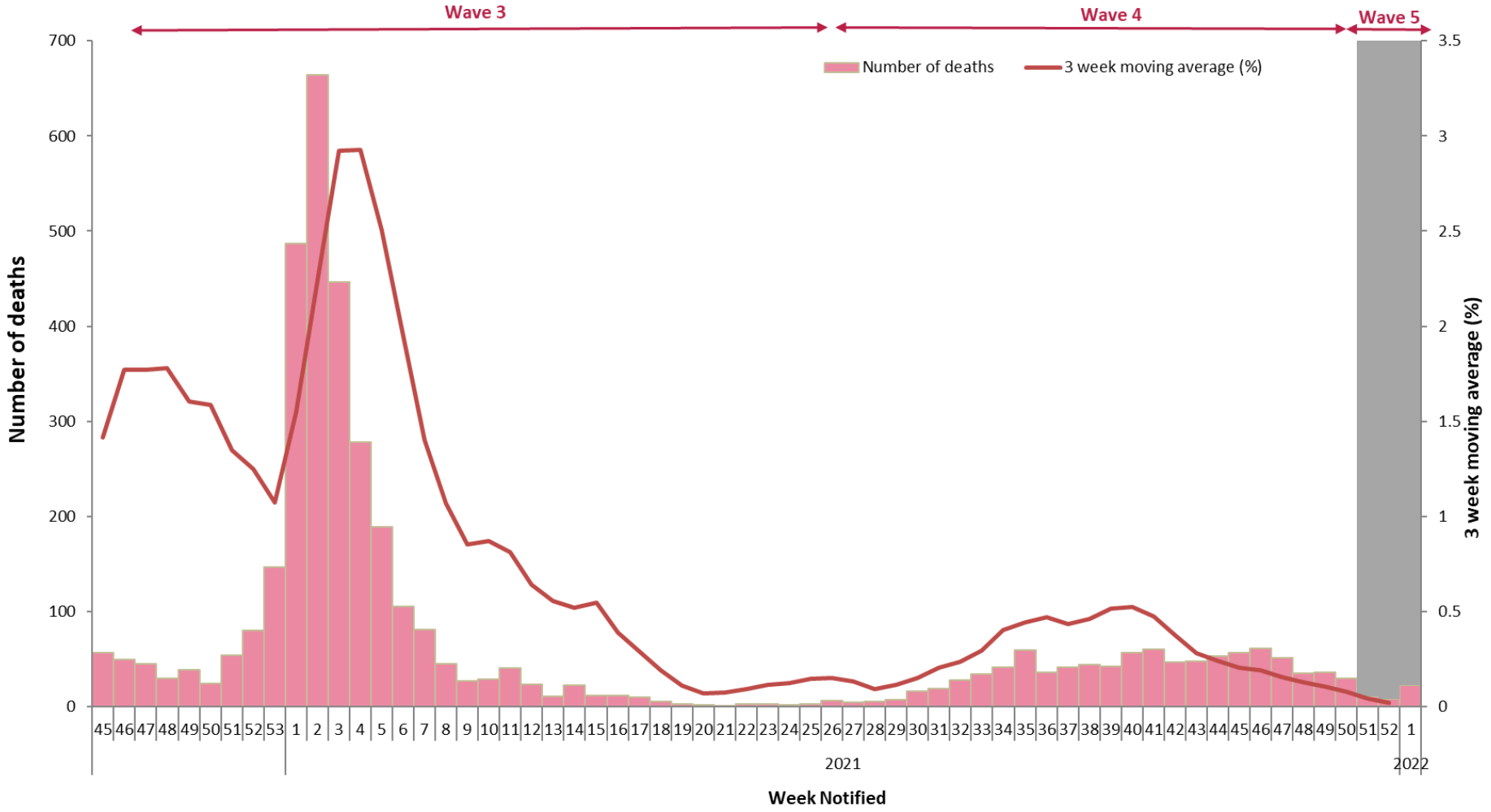


Figure 13: Number of deaths* in confirmed COVID-19 cases and 3 week moving average (%) of deaths of overall case numbers in Ireland between week 45, 2020 and week 1*, 2022 **based on week of notification**

**Deaths may be underestimated for recent weeks as the outcome may not yet have occurred or may not yet have been reported to CIDR. The increased reporting time of cases may also impact the reporting of deaths. The greyed area indicates that data for these weeks in particular is likely not complete and an underestimate.*

***Notifications since week 51, 2021 (wave 5) are artificially reduced due to the increased reporting time.*

Due to current surge in case numbers the overall reporting time has increased.

Figures 14 includes data presented by epidemiological date. Epidemiological date is based on the earliest of dates available on the case. In recent weeks it is primarily the date of specimen collection (i.e. the date the case was swabbed).

Analysis by epidemiological date provides a more accurate picture of trends as it removes the impact of reporting time. However, data for the most recent week are not complete and are provisional.

7 incidence rate of COVID-19 cases by epi date in Ireland

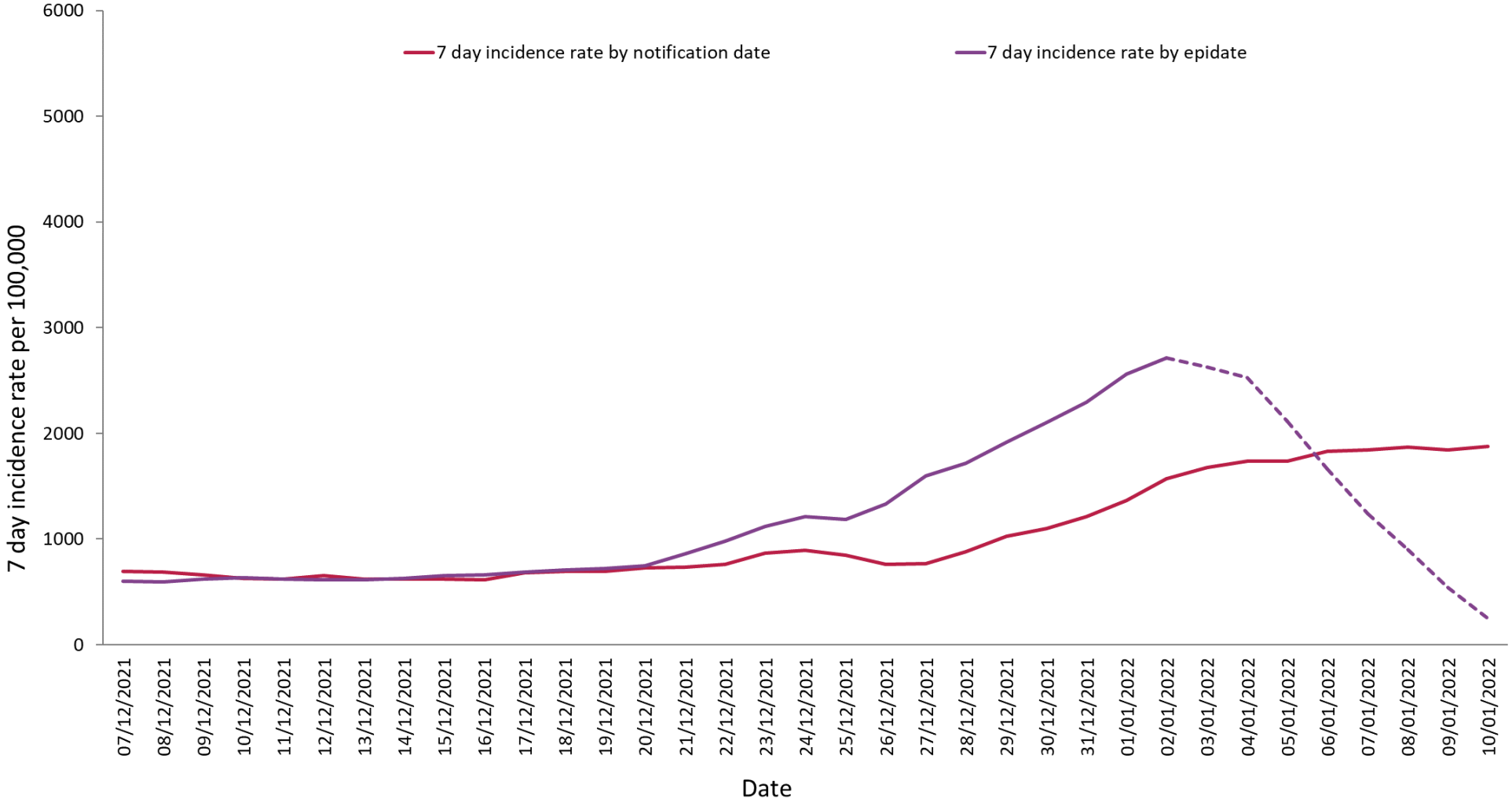


Figure 14: 7 day incidence rate of cases of COVID-19 per 100,000 population in Ireland by week of notification* and week of epidemiological date**, week 10, 2020 and week 1*, 2022. The dashed line indicates that data are incomplete.

**Notifications since week 51, 2021 (wave 5) are artificially reduced due to the increased reporting time.*

***The increased discrepancy between the incidence rate by notification date and epidemiological date since week 51 relates is due to the increased processing time during this surge period. Data by epidemiological date is still incomplete for the last 7 days (dashed purple line).*

Sentinel GP referrals for COVID-19 testing

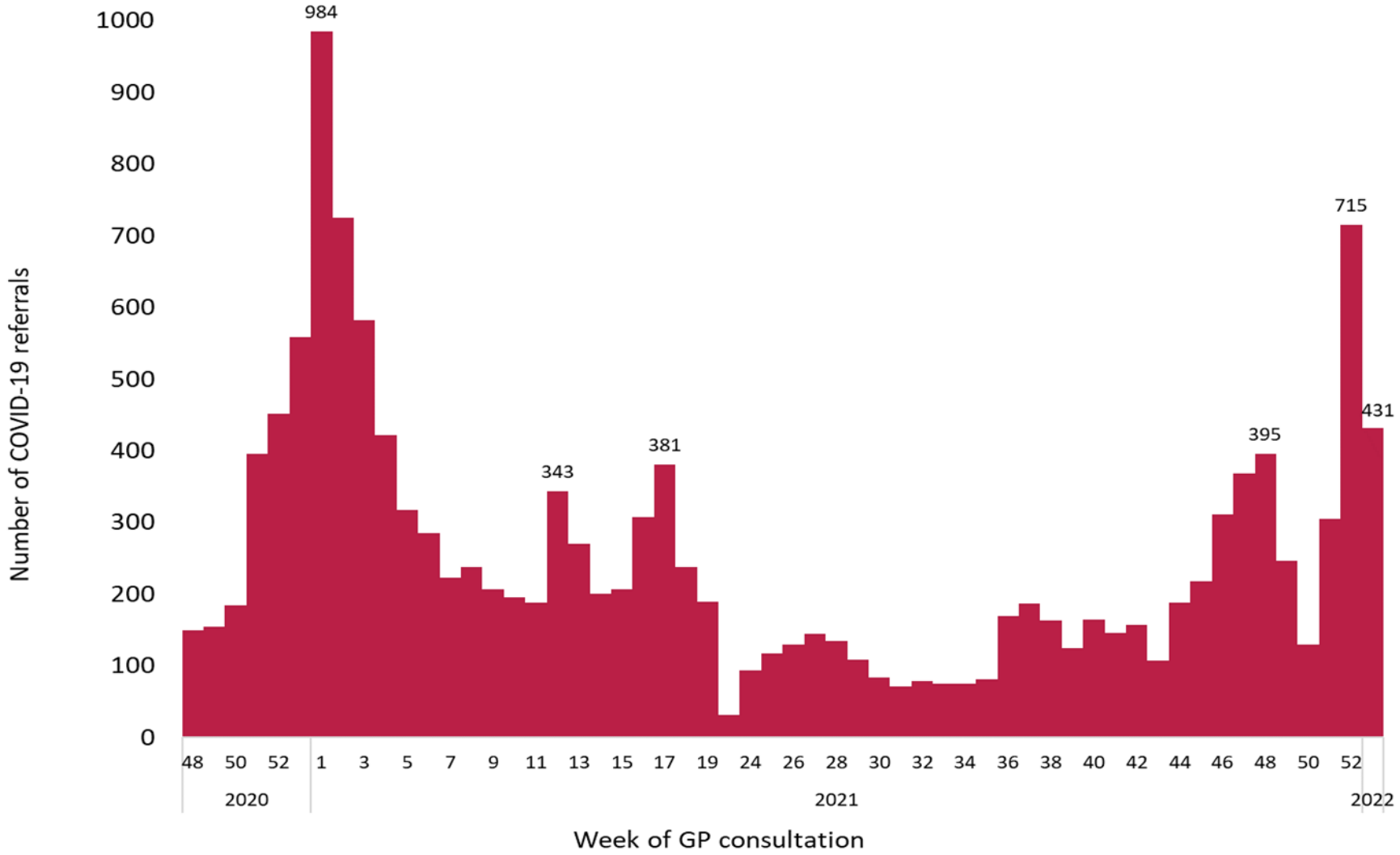


Figure 15: Number of sentinel GP COVID-19 referrals by week of consultation, week 48, 2020 – week 52, 2021, week 1 2022

**Sentinel GP ILI consultation rates are reflecting community COVID-19 incidence AND changes to health seeking behaviour regarding use of online COVID-19 test booking systems. GP consultations for week 49 2021 may also have been impacted by storm Barra.*

Sentinel GP referrals for COVID-19 testing

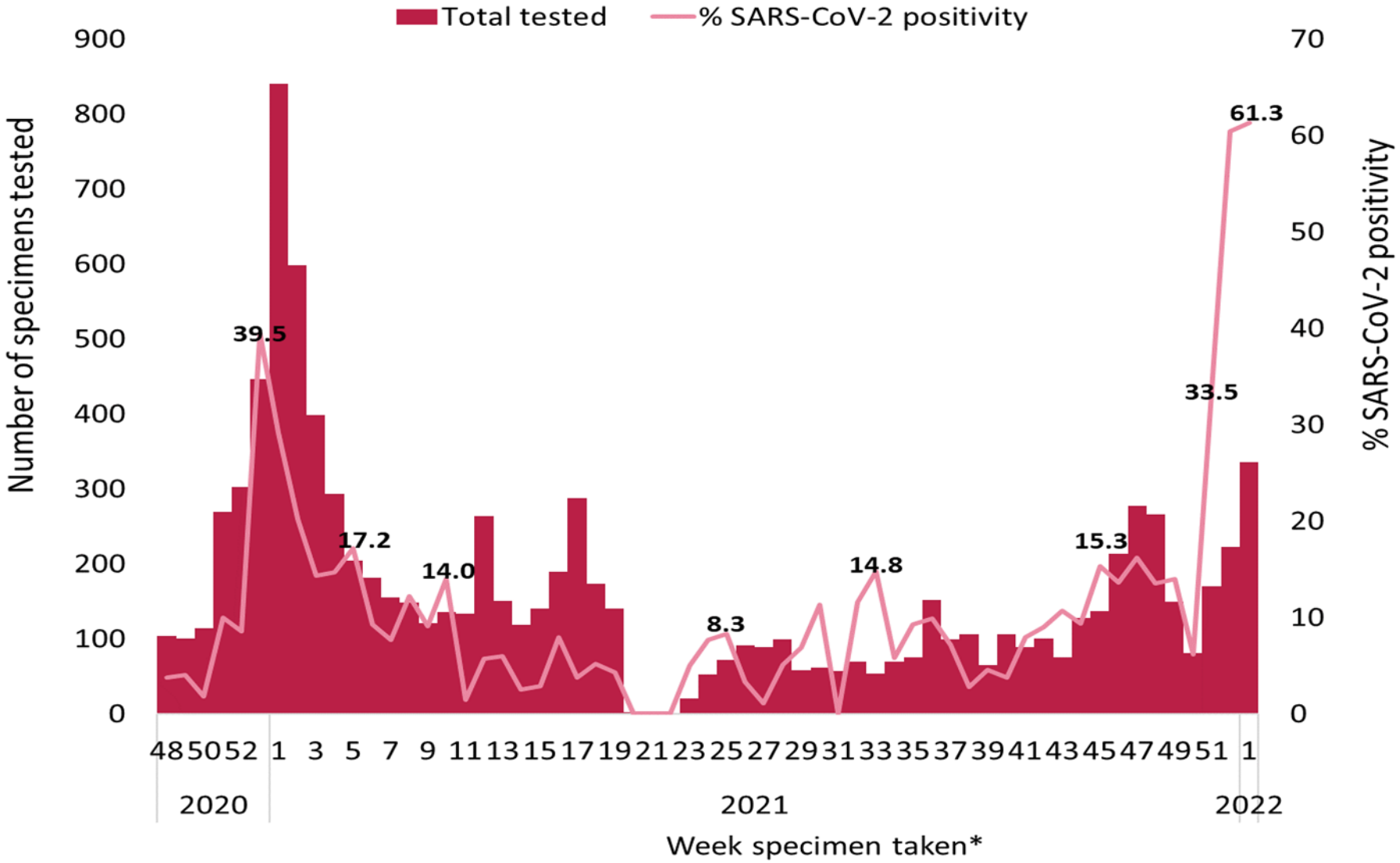


Figure 16: % SARS-CoV-2 positivity data from sentinel GP COVID-19 referrals tested by NVRL/ENFER*, 2020-2021, 2022.

**Including laboratories under the clinical governance of the NVRL*

Please note, from week 19-23 2021, the GP sentinel virology data were incomplete due to the HSE cyber-attack

Laboratory testing for SARS-CoV-2

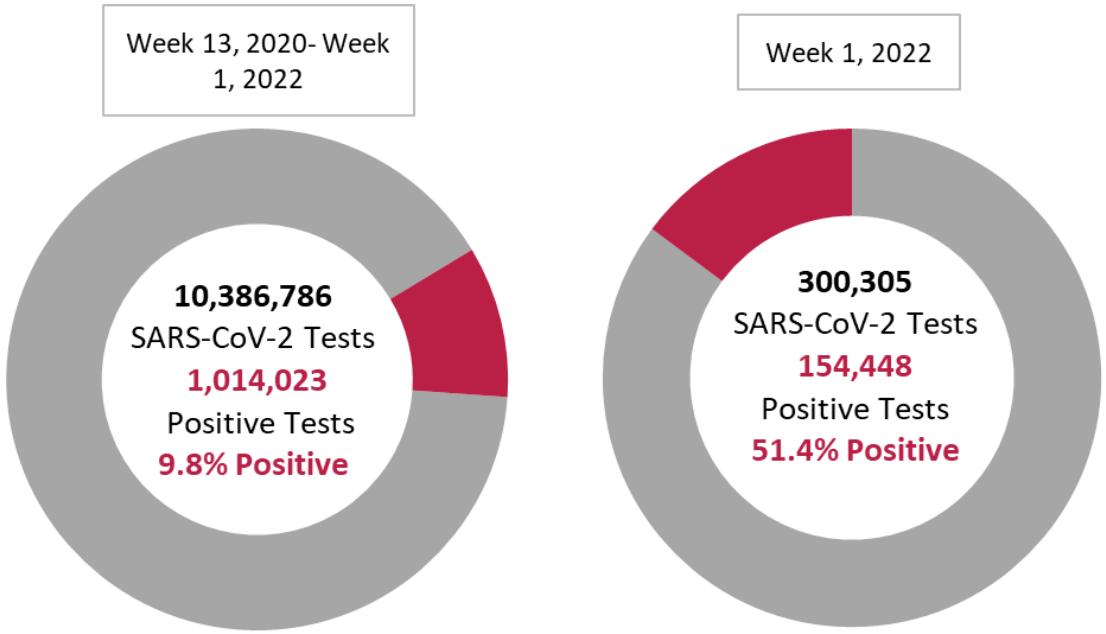


Figure 17a: Number of SARS-CoV-2 tests and positive tests* in Ireland between week 13, 2020 and week 1, 2022

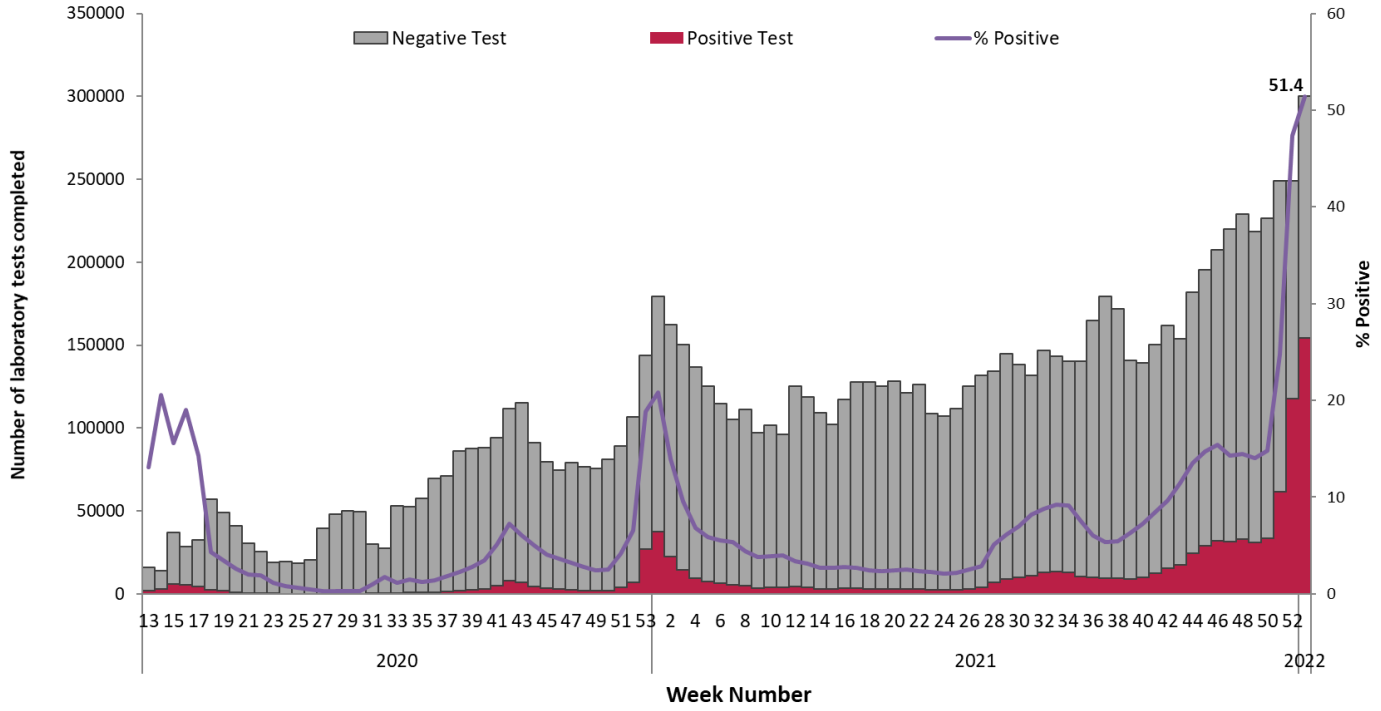


Figure 17b: Number of SARS-CoV-2 negative and positive tests* completed in Ireland between week 13, 2020 and week 1, 2022

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

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
- Weekly report on COVID-19 deaths reported in Ireland
- SARS-CoV-2 wastewater surveillance programme weekly reports
- Healthcare Workers COVID-19 cases in Ireland monthly reports
- Weekly reports on vaccination status of COVID-19 deaths and cases admitted to ICU
- Epidemiology of COVID-19 in Ireland – cases aged 0-18 years
- Epidemiology of intensive care admissions in cases of COVID-19 in Ireland

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 and the HSE COVID care tracker. Data are provisional and subject to ongoing review, validation and update. As a result, figures in this report may differ from previously published figures.
- Slide with Laboratory testing for SARS-CoV-2 data provided by Deloitte Ireland LLP

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. Further information on epidemiological dates and weeks can be found on the HPSC website.

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.