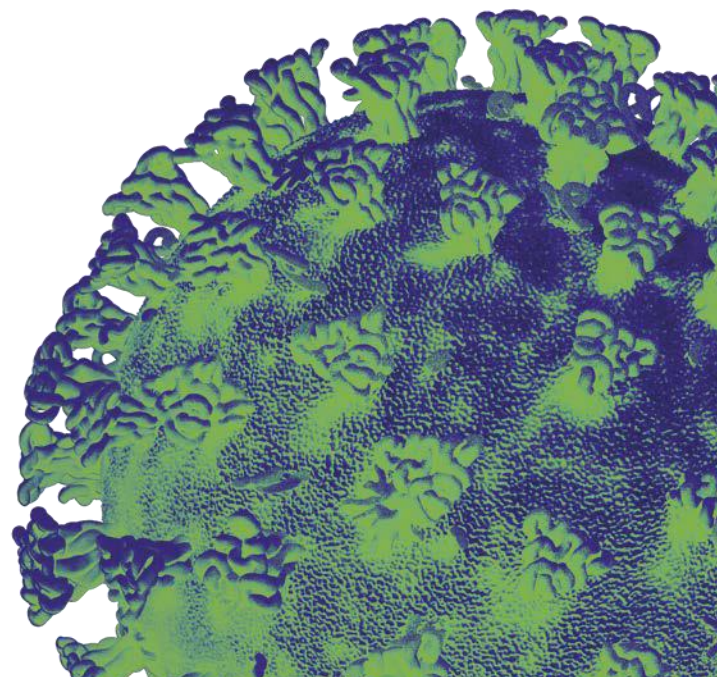
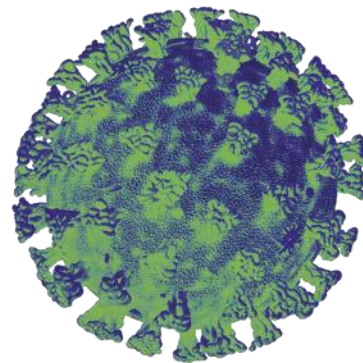
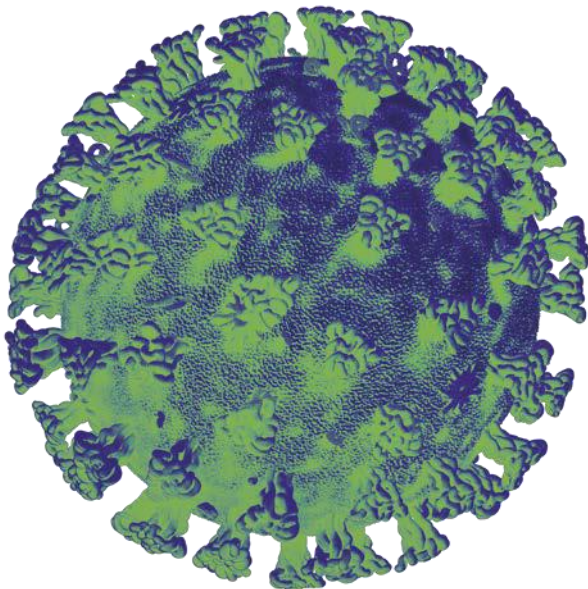




Llywodraeth Cymru
Welsh Government

Science Evidence Advice (SEA)

Summary of Advice 24 March 2023



Top Line Summary

- There is a slightly mixed picture of COVID-19 infections which is not consistent across all indicators.
- Deaths related to COVID-19 remain at low levels in Wales.
- Influenza continues to be confirmed in Wales, although overall activity has decreased. UKHSA reports that influenza positivity remained low. In Europe the influenza activity has increased slightly.
- Avian influenza continues to be a risk, there is limited evidence that avian influenza virus is getting better at infecting humans or other mammals.
- RSV activity has decreased and it is currently at baseline levels.
- Numbers of invasive Group A streptococcal (Strep A) infections have decreased to levels that are comparable to previous years.

Top Line Summary	2
1. Wales COVID-19 Situation Update	4
1.1. ONS Coronavirus Infection Survey	5
1.2. Wastewater surveillance	6
1.3. PHW Cases (PCR & LFD Testing)	6
1.4. Deaths	7
1.5. NHS	7
1.6. Vaccines	10
1.7. Care homes	12
1.8. Schools	13
1.9. International overview – World Health Organisation update	14
1.10. European Centre for Disease Prevention and Control (ECDC)	15
1.11. Variant of Concern update	16
2. COVID-19 Medium Term Projections	18
2.1. Swansea University MTPs, data to 10 March	18
2.2. UKHSA EMRG Consensus MTPs, data to 12 March	19
3. Influenza Situation Update	21
3.1. Weekly Influenza and Acute Respiratory Infection Report – PHW	21
3.2. UKHSA Weekly national influenza surveillance report	22
3.3. Joint ECDC WHO/Europe influenza update	24
3.4. Avian Influenza	25
4. Respiratory Syncytial Virus (RSV) and Invasive Group A streptococcal Situation 26	
4.1. Incidence data for Strep A and Scarlet Fever	27

1. Wales COVID-19 Situation Update

- There is a slightly mixed picture of COVID-19 infections which is not consistent across all indicators.
- Hospital bed occupancy of confirmed COVID-19 patients has been increasing since early February. Admissions to critical care wards based on the weekly number of confirmed cases have increased.
- Deaths related to COVID-19 remain at low levels in Wales.
- Data from sequenced cases shows that XBB.1.5 is the most dominant variant in Wales accounting for 46.4% of cases.

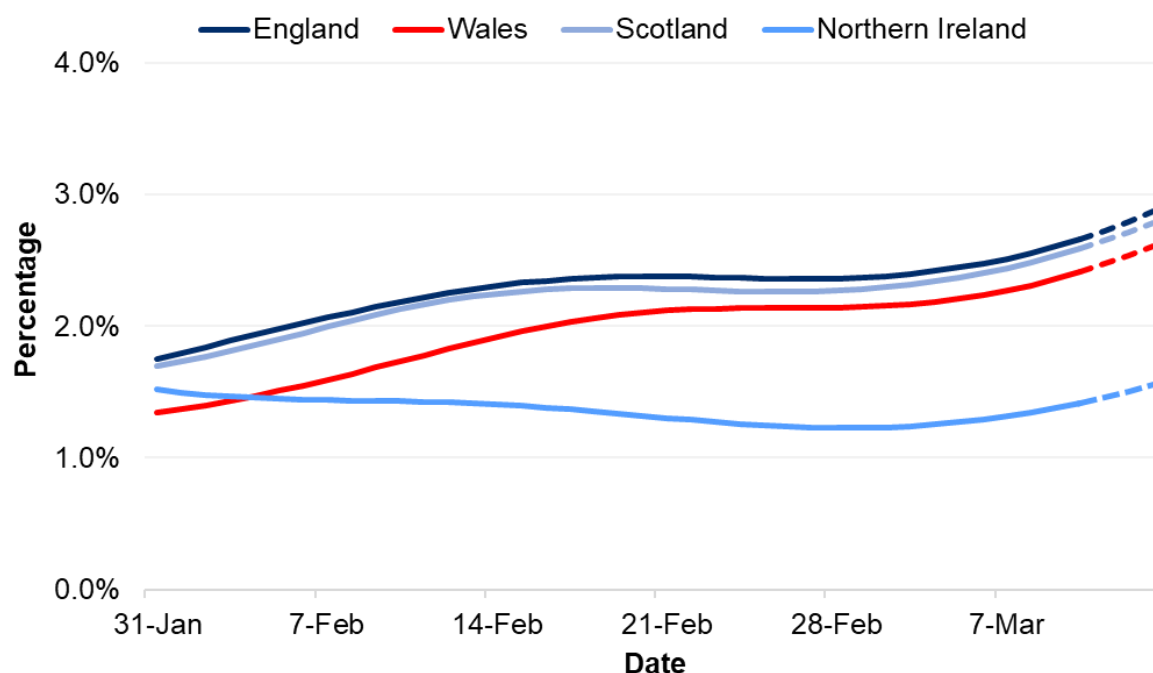
1.1. ONS Coronavirus Infection Survey

Please note that as of this version of the report, the data collection from the COVID-19 Infection Survey (CIS) has now finished and UKHSA is working with ONS and the devolved nations, including Wales, to develop a new health monitoring survey which will include community surveillance of flu and other viruses as well as COVID-19.

The [ONS Coronavirus Infection Survey](#)¹ reports that at the midpoint of the most recent week (7 to 13 March 2023), the trend in the percentage of people testing positive was uncertain in Wales, Scotland and Northern Ireland. The percentage of people testing positive increased in England.

The estimated percentages of the community population with COVID-19 ranged from 1.42% in Northern Ireland to 2.66% in England.

Figure 1 - Positivity rates (%) across UK countries since 31 January 2023



Source: Coronavirus (COVID-19) Infection Survey, ONS, 21/03/23

In Wales, the estimated number of people testing positive for COVID-19 was 74,500 people (95% credible interval: 48,200 to 108,100), equating to 2.21% of the population, or around 1 in 40 people.

1

<https://www.ons.gov.uk/peoplepopulationandcommunity/healthandsocialcare/conditionsanddiseases/bulletins/coronaviruscovid19infectionsurvey/pilot/previousReleases>

In England, the estimated number of people testing positive for COVID-19 was 1,493,200 people (95% credible interval: 1,347,000 to 1,651,100), equating to 2.66% of the population, or around 1 in 40 people.

In Scotland, the estimated number of people testing positive for COVID-19 was 136,200 people (95% credible interval: 91,000 to 190,400), equating to 2.59% of the population, or around 1 in 40 people.

In Northern Ireland, the estimated number of people testing positive for COVID-19 was 26,000 people (95% credible interval: 15,300 to 39,900), equating to 1.42% of the population, or around 1 in 70 people.

1.2. Wastewater surveillance

[Wastewater surveillance](#)² suggests the overall SARS-CoV-2 viral load has decreased across the country. However, the signal increased at Cleddau and Pembrokeshire Coastal Rivers, Clwyd, Conwy, Llŷn and Eryri, Tawe to Cadoxton and Teifi and North Ceredigion, and remained level at Ynys Môn.

Figure 2 - National (blue lines) and Regions (grey lines) wastewater signal for COVID-19 in Wales.

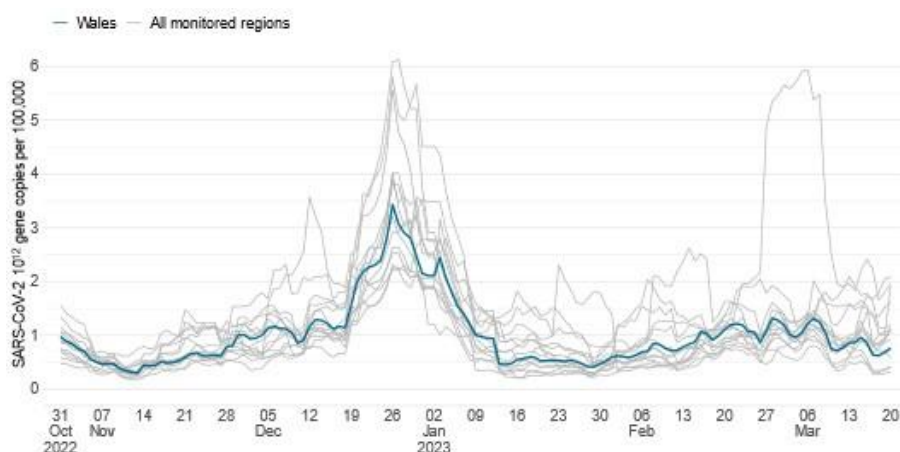
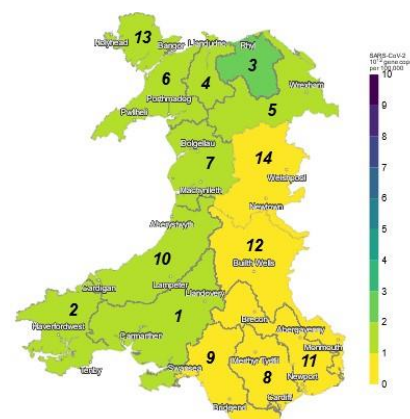


Figure 3 - National Heat Map showing Regional Mean Wastewater Signal



1.3. PHW Cases (PCR & LFD Testing)

PHW most recent epidemiological report from 22 March 2023 [reports](#)³ that there is a slightly mixed picture of COVID-19 infections. Some parameters have improved compared to the previous week in Wales. There is an upward trend, however, this is not consistent across all indicators.

PHW suggests that confirmed PCR cases continue to remain generally stable, and the adjusted case episode rates (PCR +LFD episodes) have increased slightly and remain at low levels.

The weekly number of confirmed case admissions to hospital and the number of cases who are inpatients have increased.

² [Wastewater monitoring reports: coronavirus | GOV.WALES](#)

³

https://public.tableau.com/app/profile/public.health.wales.health.protection/viz/PHWVirologyDashboard-Reportsandnotes_16535581718100/Notesondatainterpretationandreports

Admissions to critical care wards based on the weekly number of confirmed cases have increased compared to the previous week. LFT positivity was 35.59% in week 10 and increased slightly to 36.38% in week 11. Incidence based on LFT testing was highest in the 40-59 age group.

1.4. Deaths

ONS published statistics on 21 March on [provisional weekly deaths](#)⁴, including deaths involving COVID-19, for the week ending 10 March 2023.

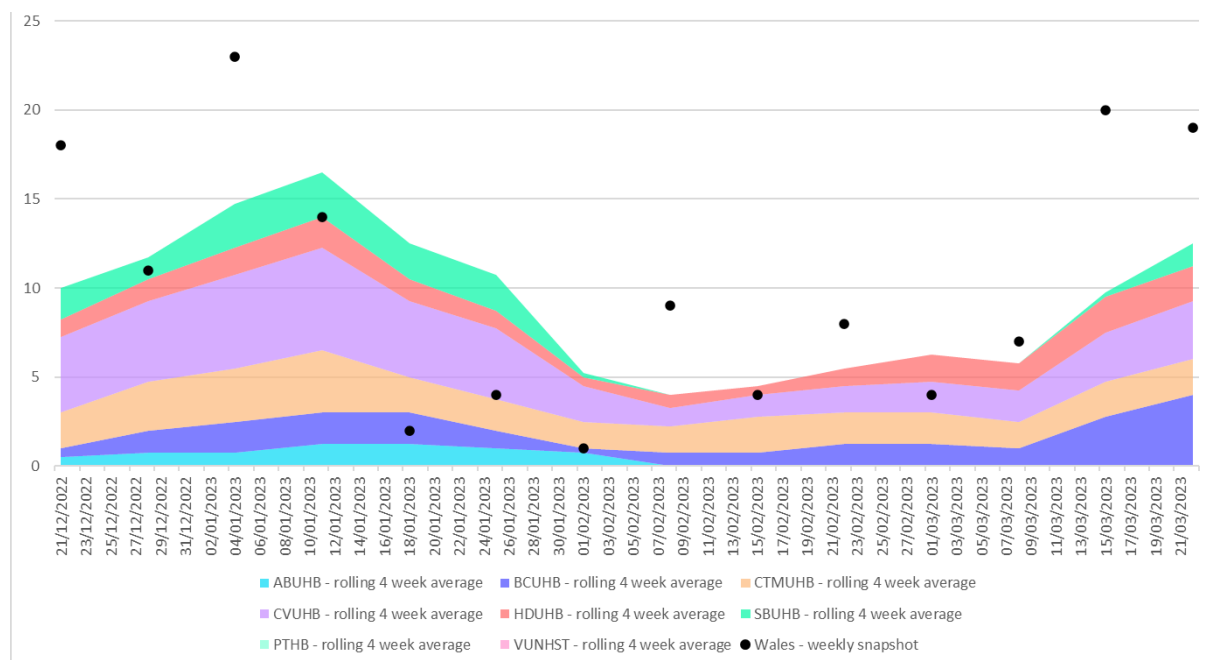
11 deaths involving COVID-19 were registered in the latest week. This was 1.7% of all deaths, and 3 fewer than the previous week.

654 deaths from all causes were registered in the latest week. This was 86 fewer than the previous week and is 58 fewer than the five-year average for 2017-19 and 2021, 2022.

1.5. NHS

As of 22 March 2023, hospital admissions of suspected and confirmed COVID-19 positive patients were at 19 admissions. The data in included in this section has moved to a rolling 4-week average and weekly snapshot (Wednesday only data) due to a change in data availability. Please note that the charts have been updated due to changes in the data reporting methodology.

Figure 4 - Hospital admissions of suspected and confirmed COVID-19 positive patients.

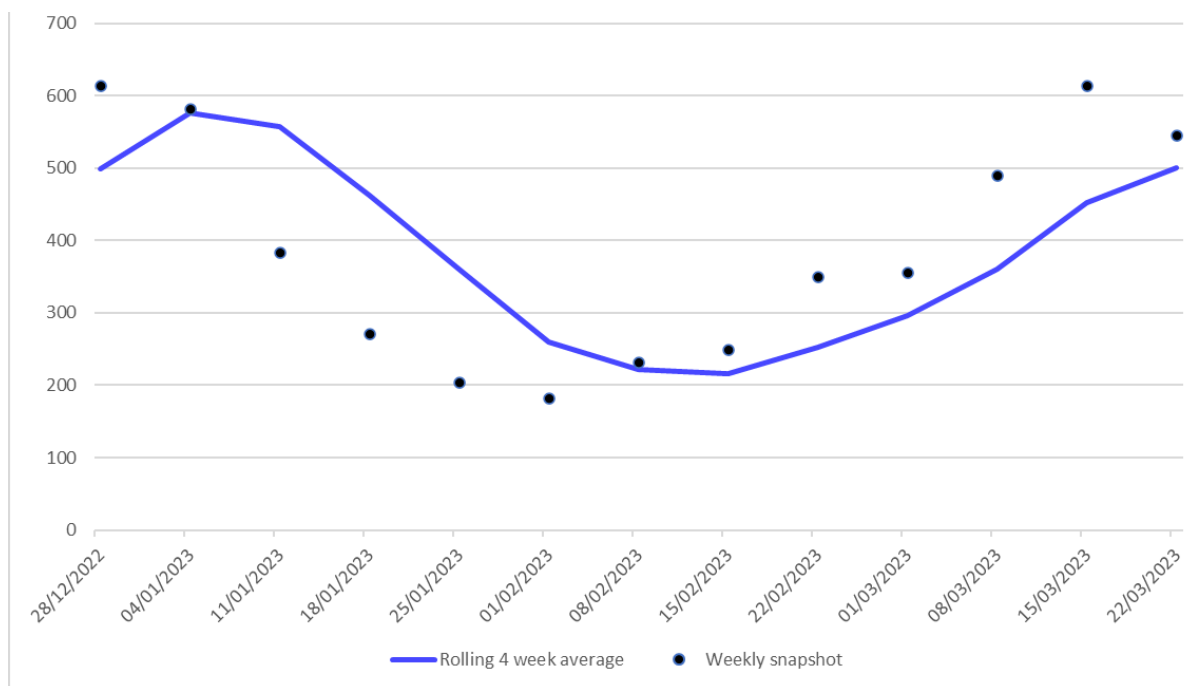


⁴ [Deaths registered weekly in England and Wales, provisional - Office for National Statistics \(ons.gov.uk\)](https://ons.gov.uk/deaths-registered-weekly-in-england-and-wales-provisional)

As at 22 March 2023, the number of hospital bed occupancy of confirmed COVID-19 patients was 545 beds, a decrease from 614 beds reported on the previous Wednesday.

Hospital bed occupancy of confirmed COVID-19 patients had been decreasing since 2 January 2023, when there were 649 beds occupied, but has been increasing since early February. Please note that the charts have been updated due to changes in the data reporting methodology.

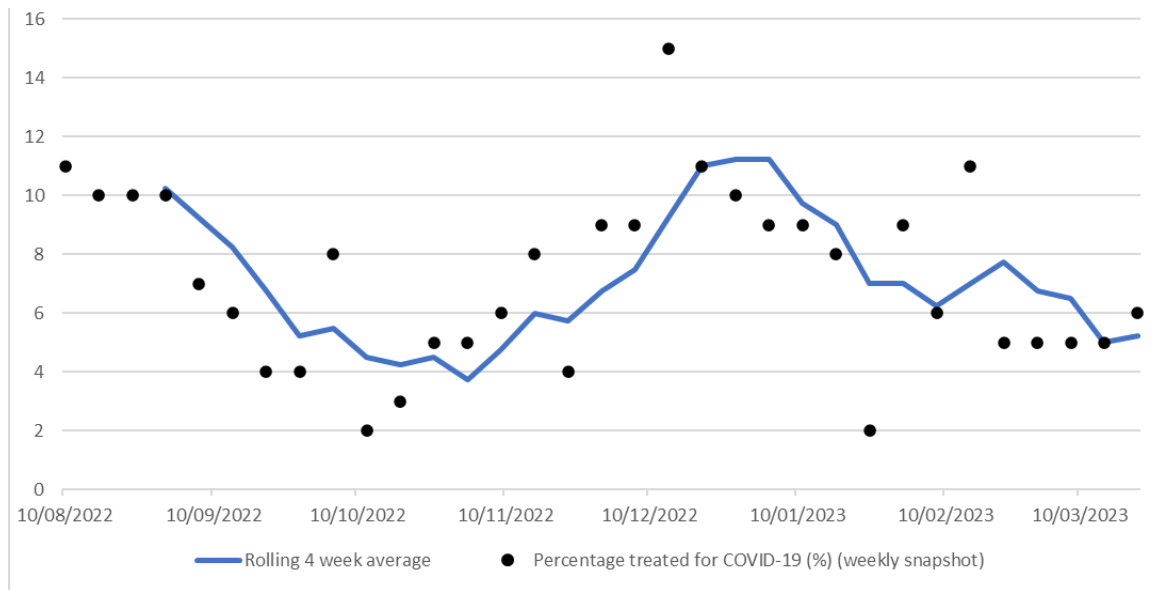
Figure 5 - Average of hospital bed occupancy of confirmed COVID-19 patients



The proportion [of patients in hospital](#)⁵ with COVID-19 who are being actively treated for COVID-19, as opposed to testing positive for COVID-19 but being primarily treated for other reasons, trended downwards from mid-December 2022. A few of the weekly snapshots were above the trend, in particular 15 February 2023 (11%). More recent snapshots were lower - the snapshot taken on 8 March was 5% and the snapshot taken on 22 March 6%. Please note that the charts have been updated due to changes in the data reporting methodology.

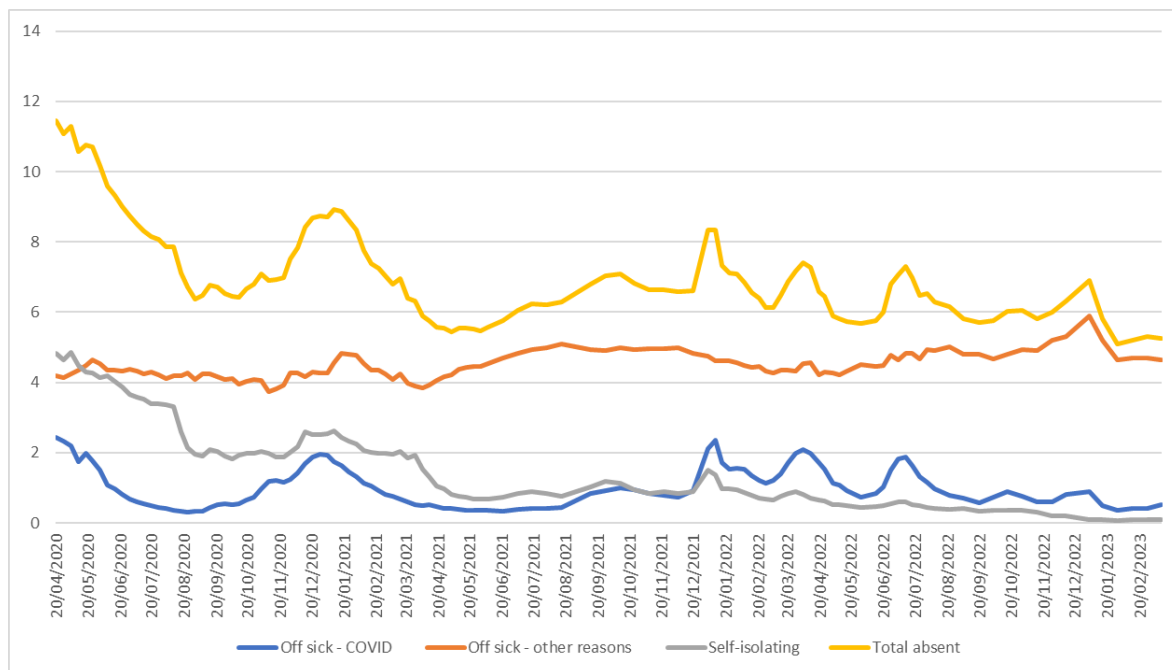
⁵ statswales.gov.wales

Figure 6- Percentage of COVID-19 patients in acute hospitals actively treated for COVID-19 in Wales, StatsWales (%)



As of 13 March 2023, [NHS staff absence due to self-isolation⁶](#) has remained the same as the period ending 27 February 2023, at 0.1%. Absence due to COVID-19 sickness has increased to 0.5% from 0.4%.

Figure 7 NHS staff absence and self-isolation



⁶ statswales.gov.wales

1.6. Vaccines

The Welsh Government has confirmed that a Spring COVID-19 booster vaccination programme will begin on 1 April 2023. Until then the Autumn COVID-19 booster continues – Autumn booster vaccine doses are recorded here.

Between weeks ending 4 September 2022 and 27 November 2022, 989,101 doses of the Autumn COVID-19 booster were given, estimated at 61.5% uptake. The table shows how uptake has risen since then:

Cumulative number of COVID-19 Autumn 22/23 vaccine doses given, by week. Uptake, based on Wales residents, uses indicative denominator 1,607,062.

Week ending	Number of doses	Uptake
2022-12-04	1,028,981	64.0%
2022-12-11	1,058,435	65.9%
2022-12-18	1,078,730	67.1%
2022-12-25	1,086,990	67.6%
2023-01-01	1,090,919	67.9%
2023-01-08	1,097,677	68.3%
2023-01-15	1,104,950	68.8%
2023-01-22	1,112,020	69.2%
2023-01-29	1,117,744	69.6%
2023-02-05	1,121,462	69.8%
2023-02-12	1,125,209	70.0%
2023-02-19	1,128,342	70.2%
2023-02-26	1,130,755	70.4%
2023-03-05	1,132,653	70.5%
2023-03-12	1,133,528	70.5%

Source: [Public Health Wales](#)

Number of COVID-19 Autumn 22/23 booster vaccines given by age and risk group

Risk group	Denominator *(n)	Immunised (n) - 22/23 Booster	Uptake(%) - 22/23 Booster
Severely Immunosuppressed	49,831	38,329	76.9
Residents in a care home for older adults*	12,919	11,498	89
Staff working in care homes for older adults**	37,499	15,696	41.9
Health care staff**	141,743	80,862	57
Social care staff**		23,479	
All adults aged 65 years and older	701,893	578,684	82.4
All adults aged 50 to 64 years	686,337	410,721	59.8
Aged 5 to 49 years in a clinical risk group	218,832	75,973	34.7

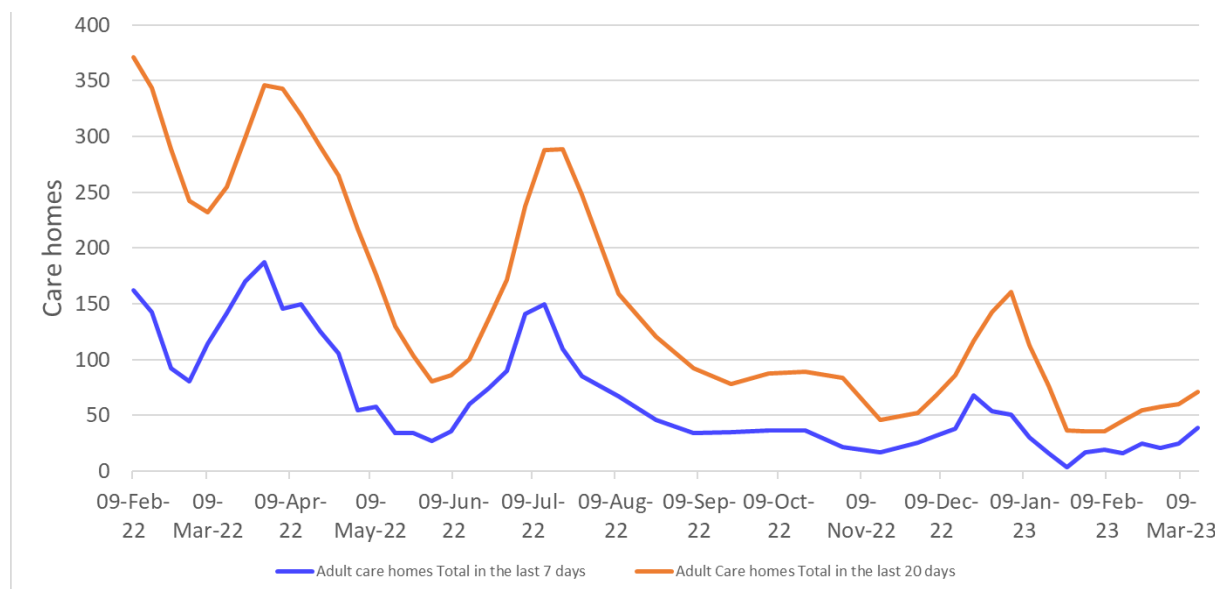
Source: [Public Health Wales](#)

An individual will be counted more than once if they are in more than one risk group. Denominator data is taken from WIS and based on Wales residents, with the exception of care home workers, healthcare workers and social care workers where denominators are based on those working in Wales. From 2 February 2022, all age groups are based on age as at 31 March 2023. Quality of recording of staff priority groups is variable and incomplete, these figures are provided provisionally and should be interpreted with caution. Care home residents have been identified by matching address as recorded in the Welsh Demographic Service (WDS) to a Care Inspectorate Wales list of registered Care Homes.

1.7. Care homes

As of 15 March 2023, the number of adult care homes in Wales that have [notified CIW](#)⁷ of one or more confirmed cases of COVID-19 in staff or residents in the last 7 days has increased since the previous week, to 39 notifying, from 25 notifying. This figure for the last 20 days is at 71 (period ending 15 March 2023), from 60 (period ending 8 March 2023). In Wales there are 1,018 adult care homes in total.

Figure 8 - Number of adult care homes which have notified CIW of one or more confirmed cases of COVID-19 in staff or residents.



As of 15 March 2023, the [number of notifications to CIW of deaths of adult care home residents involving COVID-19](#)⁸ (both confirmed and suspected) in the last 7 days has increased from 6 in the previous week, with 7 deaths reported.

In total, CIW has been notified of 2,311 care home resident deaths with suspected or confirmed COVID-19 between 1 March 2020 and 1 March 2023. This makes up 11% of all adult care home resident reported deaths (20,788) during this period.

⁷ stats.wales.gov.uk

⁸ stats.wales.gov.uk

1.8. Schools

The average attendance for this academic year to date is 89.5%.

The latest week is 13 to 17 March 2023, the week before is the 6 to 10 March.

An average of 90.2% of half-day school sessions were recorded as present for pupils aged 5 to 15 over the latest week, up from 88.7% the week before. Data for the latest week is provisional.

An average of 6.4% of half-day school sessions were recorded as authorised absence for pupils aged 5 to 15 over the latest week, down from 7.1% the week before.

An average of 3.4% of half-day school sessions were recorded as unauthorised absence for pupils aged 5 to 15 over the latest week, down from 4.2% the week before.

There has been no difference in the attendance rate by gender for the academic year to date, 89.6% for boys and 89.4% for girls.

The attendance rate by year group for the academic year to date has been highest for pupils in Year 4 (91.7%) and lowest for pupils in Year 11 (85.0%).

The attendance rate for the academic year to date has been higher for pupils not eligible for free school meals (91.4 %) than pupils who are eligible for free school meals (83.9%).

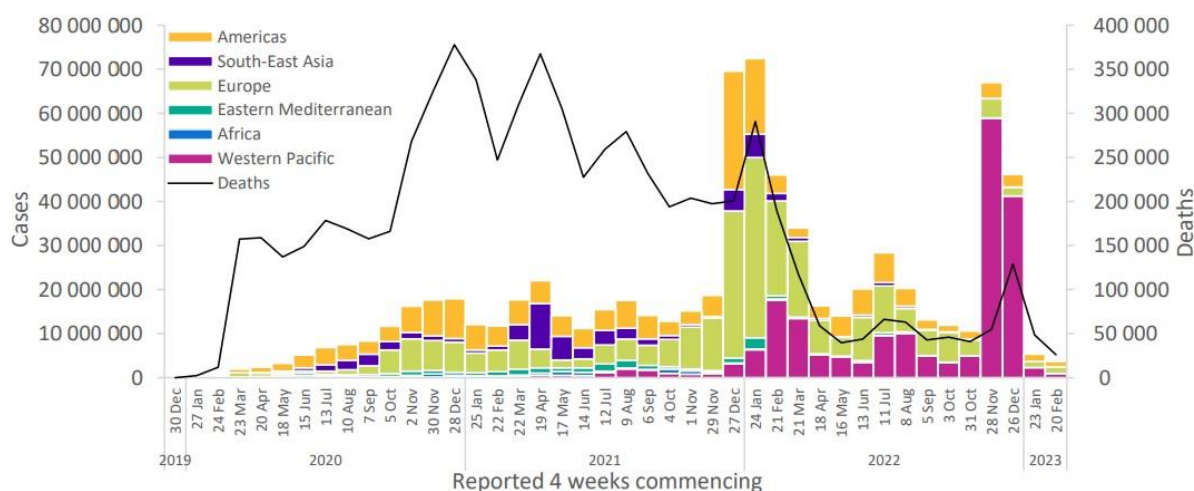
The most common reason for absence for the academic year to date has been illness, with 52.4% of sessions missed being for this reason. [The full report is available here.](#)

1.9. International overview – World Health Organisation update

[As of 22 March 2023, the WHO reports](#)⁹ that over 3.7 million new cases and over 26 000 deaths were reported in the last 28 days (20 February to 19 March 2023), a decrease of 31% and 46%, respectively, compared to the previous 28 days (23 January to 19 February 2023), however, there are significant regional differences including increases in some regions. As of 19 March 2023, over 760 million confirmed cases and over 6.8 million deaths have been reported globally.

Current trends in reported COVID-19 cases are underestimates of the true number of global infections and reinfections as shown by prevalence surveys. This is partly due to the reductions in testing and delays in reporting in many countries.

Figure 9 - COVID-19 cases reported weekly by WHO Region, and global deaths, as of 19 March 2023



Source: [WHO Weekly Epidemiological Update on COVID-19](#)

The highest numbers of new 28-day cases were reported from the United States of America (792 202 new cases; -29%), the Russian Federation (339 564 new cases; +25%), China (320 029 new cases; -50%), Japan (291 672 new cases; -73%), and Germany (281 468 new cases; -18%). The highest numbers of new 28-day deaths were reported from the United States of America (8187 new deaths; -39%), the United Kingdom (2474 new deaths; -9%), Japan (1898 new deaths; -71%), Brazil (1587 new deaths; -15%), and China (1472 new deaths; -85%).

⁹ <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports>

1.10. European Centre for Disease Prevention and Control (ECDC)

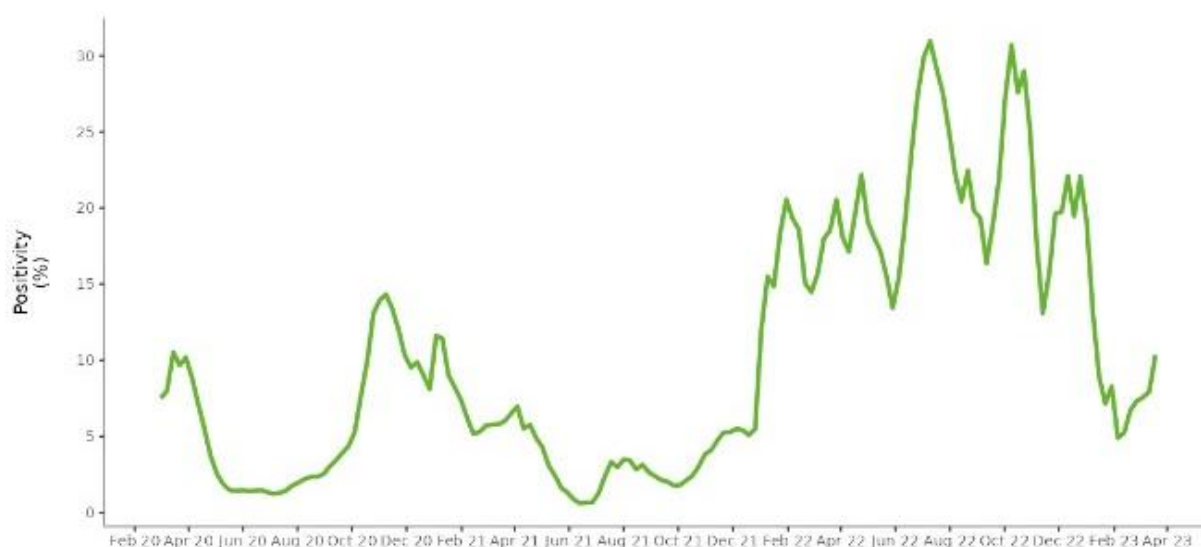
As of 24 March 2023, [ECDC reports¹⁰](#) a general downward trend in the height of the associated peaks in reported cases, hospitalisation, ICU admissions, and deaths in this period. The epidemiological picture at the pooled EU/EEA level over the past 12 months since the initial large Omicron peak has been characterised by periodic waves of infection approximately every 2–3 months.

By the end of week 11 (ending 19 March 2023), there were decreasing or stable trends observed in the majority of EU/EEA indicators based on pooled country data.

A marginal increase was observed in hospital and ICU occupancy indicators (3% and 6%, respectively), which remain at low levels compared with their pandemic maximum as well as the maximum observed in recent peaks. The pooled COVID-19 death rate decreased compared to the previous week, with 856 deaths reported from 25 countries in the previous week.

The number of countries reporting increasing trends has remained low, suggesting a stabilised epidemiological situation compared to the previous week.

Figure 10 - EU/EEA weekly test positivity, 24 March 2023



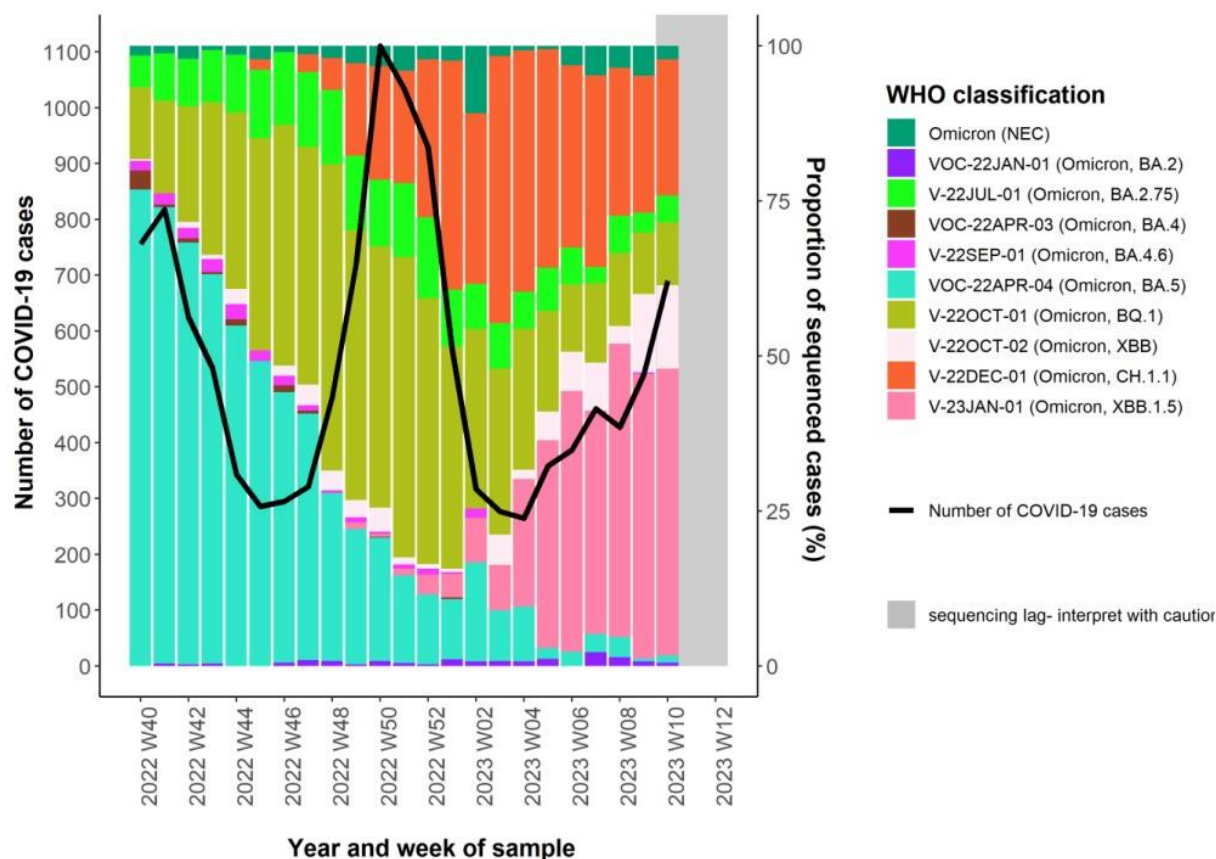
Data source: [Weekly COVID-19 country overview \(europa.eu\)](#)

¹⁰ [COVID-19 situation updates \(europa.eu\)](#)

1.11. Variant of Concern update

As of 22 March 2023, [PHW report](#)¹¹ that in the last four reporting weeks, V-22DEC-01 (Omicron, XBB.1.5) has been the most dominant variant in Wales, accounting for 46.4% of all sequenced cases.

Figure 11 – Proportion of sequenced cases typed as each variant in the past six months in Wales (Data as at 21 March 2023)



Source: [Public Health Wales COVID-19 genomic surveillance](#)

As of 21 March 2023, [PHW reports](#) that there have been 57,114 cases of VOC-21NOV-01 (Omicron, BA.1), 29,290 cases of VOC-22JAN-01 (Omicron, BA.2), 1,192 cases of VOC22APR-03 (Omicron, BA.4), 7,442 cases of VOC-22APR-04 (Omicron, BA.5), 1,990 cases of V22OCTV-22OCT-01 (Omicron, BQ.1), 1,124 cases of V-22DEC-01 (Omicron, CH.1.1) and 827 cases of V-23JAN-01 (Omicron XBB.1.5) confirmed in Wales.

As of 22 March 2023, [WHO reports](#)¹² that in epidemiological week 9 (27 February to 5 March 2023), the prevalence of XBB.1.5 was 37.7%, an increase when compared to epidemiological week 5 (30 January to 5 February 2023), when the prevalence of

11

https://public.tableau.com/app/profile/public.health.wales.health.protection/viz/PHWVirologyDashboard-Reportsandnotes_16535581718100/Notesondatainterpretationandreports

12 [Weekly epidemiological update on COVID-19 - 8 March 2023 \(who.int\)](#)

XBB.1.5 was 29.0%. According to WHO, XBB.1.5 has been detected in 85 countries to date.

As of 24 March 2023, [ECDC reports](#)¹³ that among the seven countries with an adequate volume of sequencing or genotyping for weeks 9–10 (27 February to 12 March 2023), the estimated distribution of variants of concern (VOC) or of interest (VOI) was 54.4% (49.6–66.4% from six countries) for XBB.1.5, 16.8% (5.9–51.7% from seven countries) for BA.2.75, 14.3% (10.5–20.3% from five countries) for XBB, 11.7% (10.5–19.9% from six countries) for BQ.1, 1.6% (1.1–45.5% from seven countries) for BA.5, 1.1% (0.8–2.8% from three countries) for BA.2 and 0.2% (0.1–0.8%, 6 detections from three countries) for BA.4.

¹³ <https://www.ecdc.europa.eu/en/covid-19/country-overviews>

2. COVID-19 Medium Term Projections

- The most recent medium-term projections show a plateau in the coming weeks. However, the numbers for admitted to ward projections do show a small uptick in numbers in early March with a steeper decline than the other projections, before reaching a plateau.

Swansea University (SU) regularly produces medium-term projections (MTPs) for Wales. The SU projections are also combined with other models to go into a consensus MTP for admissions which is agreed every two weeks by the UKHSA Epidemiological Modelling Review Group (EMRG), which has taken over from COVID-M-O in agreeing these MTPs.

The SU projections are typically more up to date but may be less robust as they are based on one model only. Both MTPs are based on projecting forward from current data and do not explicitly factor in policy changes, changes in testing, changes in behaviour, or rapid changes in vaccinations.

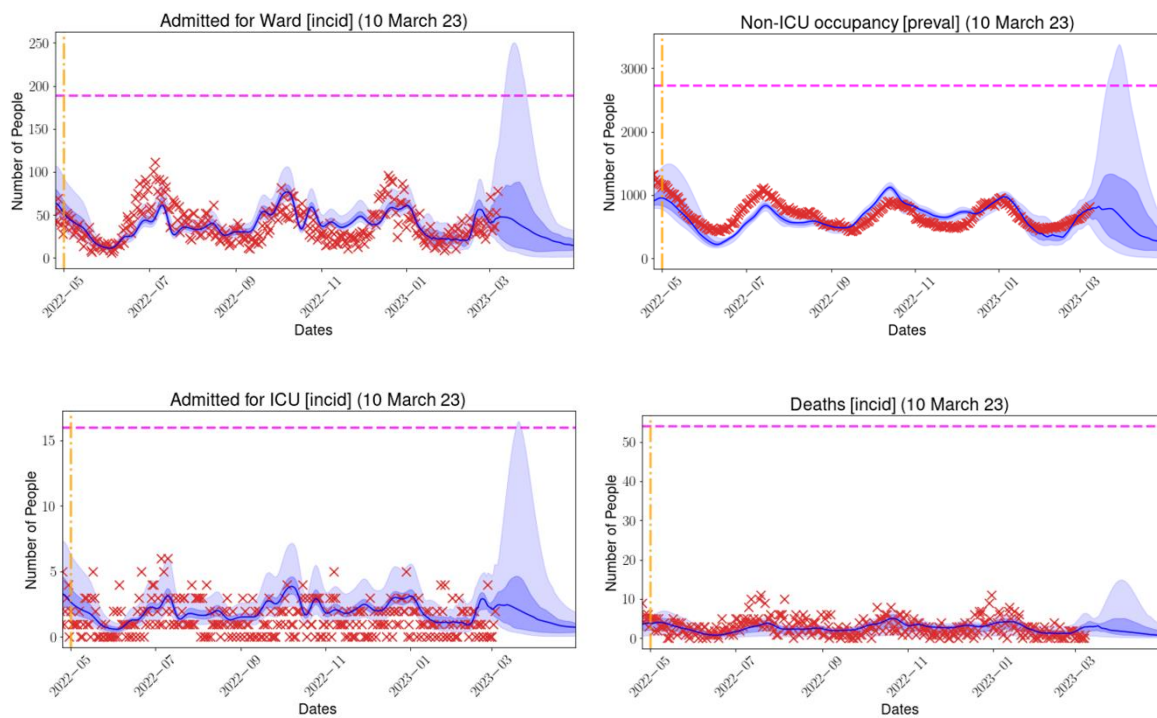
These MTPs for COVID-19 are not forecasts or predictions. They represent a scenario in which the trajectory of the epidemic continues to follow the trends that were seen in data available at the time.

2.1. Swansea University MTPs, data to 10 March

In the charts below, red crosses represent actual Omicron data, which the model is fitted to fit is weighted to data points after the vertical orange line to represent the characteristics of emergent strains. The blue line represents the central modelling estimate. The blue ribbon represents the confidence intervals, with the darker blue ribbon indicating the 25th to 75th percentiles, and the 95% confidence limits in the lighter ribbon. The pink dotted line represents pre-Omicron peaks.

This set of projections, based on data up to 10 March, show indicators reaching a peak before a forecasted decline. There is significant uncertainty around the median estimates, however.

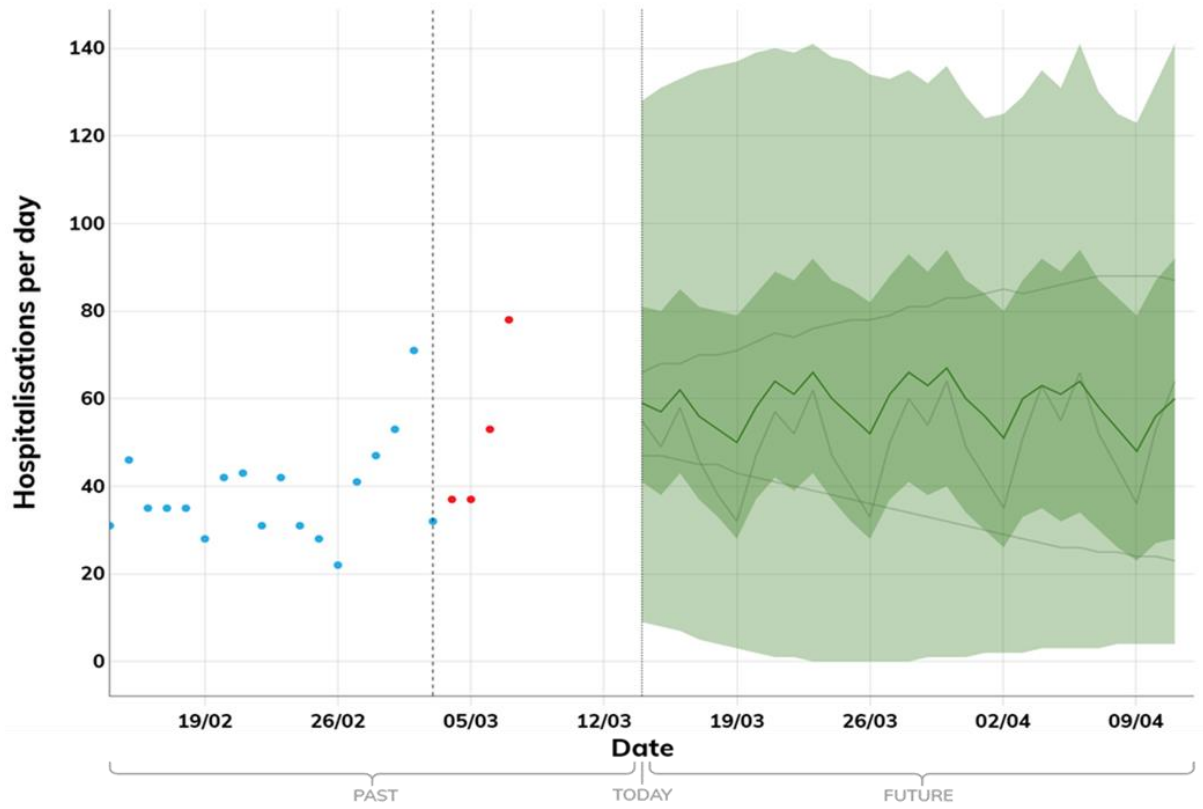
Figure 12 - Swansea University Medium Term Projections



2.2. UKHSA EMRG Consensus MTPs, data to 12 March

- Swansea University (SU) projections are used by the UKHSA Epidemiological Modelling Review Group (EMRG).
- The combined projection for admissions suggests a flat trend to late April though with significant uncertainty.

Figure 15 - UKHSA EMRG Consensus MTPs, data to 12 March



3. Influenza Situation Update

- PHW report that influenza continues to be confirmed in Wales, although overall activity has decreased.
- UKHSA reports that influenza positivity remained low at 1.2% in week 11 compared with 1.6% in week 10.
- In [Europe](#) the percentage of all patients presenting with symptoms that tested positive for an influenza virus increased from 24% in the previous week to 26%.
- Avian influenza continues to be a threat and whilst high levels of transmission in wild birds present a constant risk, there is limited evidence that avian influenza virus is getting better at infecting humans or other mammals. Additional research and development is required to understand the impact of human to human transmission of H5N1 is required.

3.1. Weekly Influenza and Acute Respiratory Infection Report – PHW

As of 22 March 2023, [PHW report](#)¹⁴ 51 cases of influenza, with 1 further case from previous weeks. This is an increase compared to the previous week, although overall activity has decreased since February.

The Sentinel GP consultation rate for influenza-like illness (ILI) in Wales during week 11, was 2.2 consultations per 100,000 practice population. This is a decrease compared to the previous week.

The Sentinel GP consultation rate for Acute Respiratory Infections (ARI) was 199.22 per 100,000 practice population during week 11.

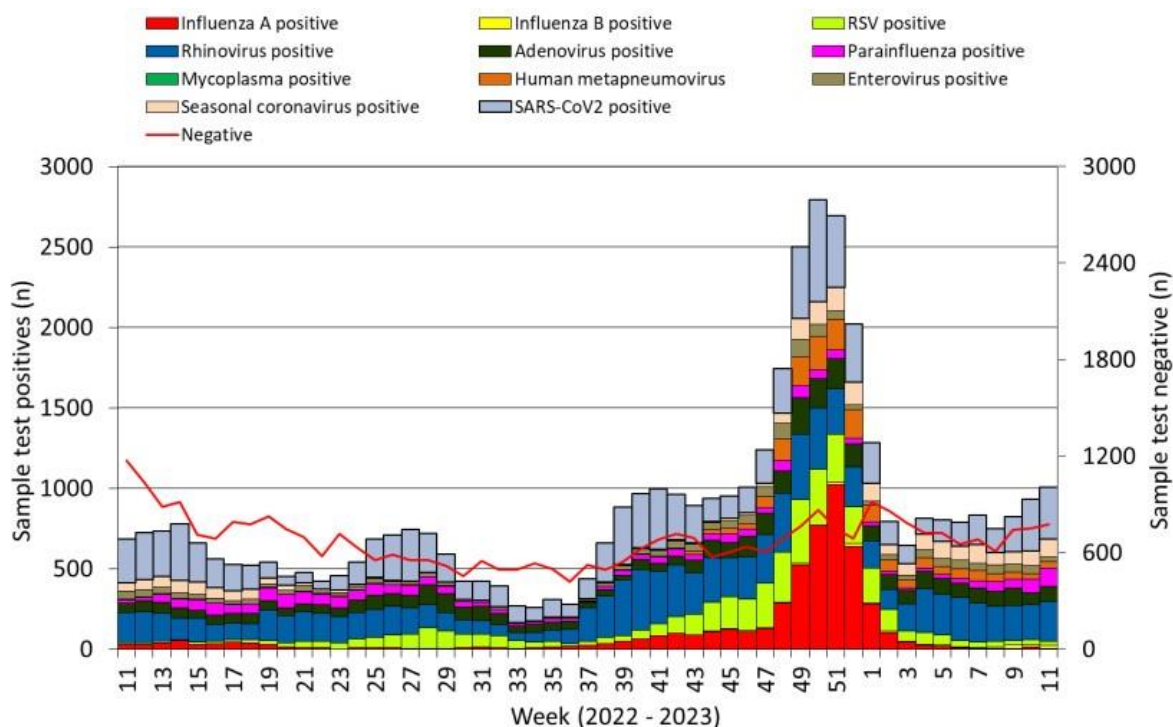
The percentage of calls to NHS Direct Wales which were ‘influenza-related’ (cold/flu, cough, fever, headache, and sore throat) during week 11 decreased to 15.0%.

Figure 13 - Uptake of influenza immunisations in GP Practice patients in Wales

Influenza immunisation uptake in the 2022/23 season	
People aged 65y and older	76.2%
People younger than 65y in a clinical risk group	44.1%
Children aged two & three years	44.1%
Children aged between four & ten years	62.7%
Children aged between 11 & 15 years	52.4%
Total NHS staff	45.2%
NHS staff with direct patient contact	45.4%

¹⁴ [Weekly Influenza and Acute Respiratory Infection Report - Public Health Wales \(nhs.wales\)](#)

Figure 14 - Specimens submitted for virological testing for hospital patients and non-sentinel GPs



Data Source: [PHW Weekly Influenza](#) & Acute Respiratory Infection Surveillance

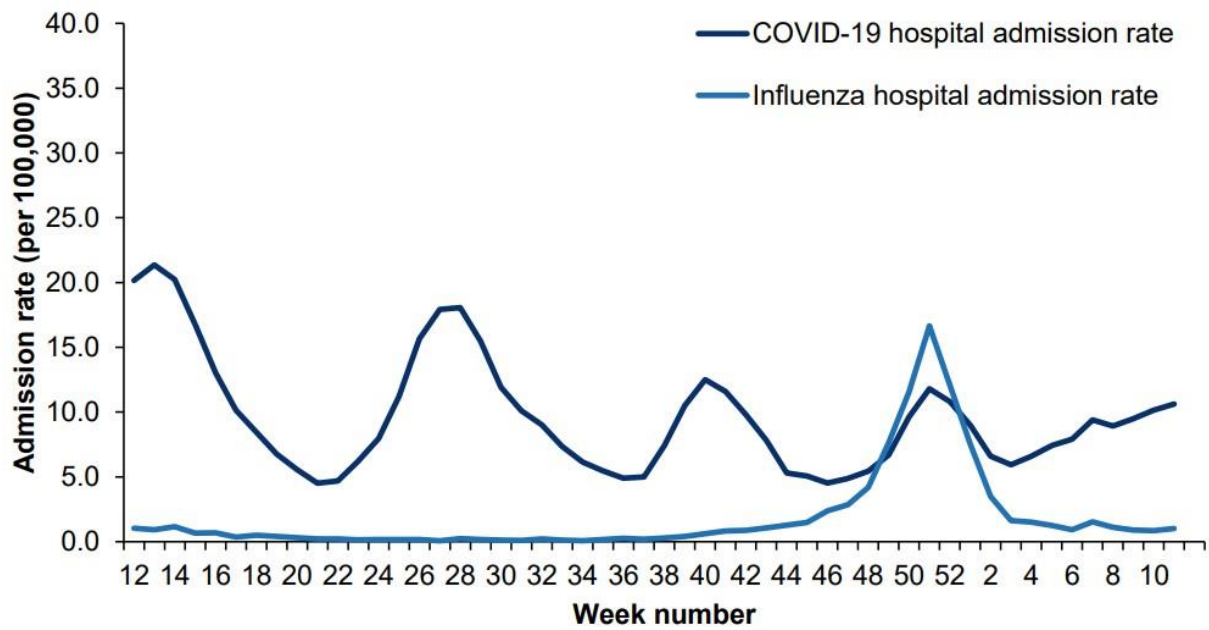
3.2. UKHSA Weekly national influenza surveillance report

As of 23 March 2023, [UKHSA reports](#)¹⁵, that influenza remained low and stable at 1.6% compared with week 10, with highest positivity seen in the 15 to 44 year old age group at 4.2%. Influenza B positivity remained low at 1.2% in week 11 compared with 1.6% in week 10. Through primary care surveillance, the influenza-like-illness consultations indicator remained stable in week 11 compared with the previous week and was within the baseline activity level range. No influenza confirmed outbreaks were reported in week 11 in England. Influenza hospital admissions increased slightly in week 11 compared with the previous week. Emergency department attendances for influenza-like illness remained stable nationally.

The majority of influenza detections in the most recent week have been influenza B across a number of surveillance systems.

¹⁵ <https://www.gov.uk/government/statistics/national-flu-and-covid-19-surveillance-reports-2022-to-2023-season>

Figure 15 - Weekly overall hospital admission rates of new COVID-19 and influenza positive cases per 100k population, England



3.3. Joint ECDC WHO/Europe influenza update

As of week 10 (6 March – 12 March 2023), [Flu news Europe reports](#) that the percentage of all sentinel primary care specimens from patients presenting with ILI or ARI symptoms that tested positive for an influenza virus increased from 24% in the previous week to 26% in week 10/2023 which remains above the epidemic threshold (10%).

19 of 40 countries or areas reported medium or high intensity and 20 of 39 countries reported widespread activity indicating substantial seasonal influenza virus circulation across the Region.

Of the 21 countries that reported sentinel primary care specimen influenza virus positivity above the 10% epidemic threshold, France, Hungary, Romania and Slovenia reported activity above 40%.

3.4. Avian Influenza

UKHSA works with partners including the Animal and Plant Health Agency (APHA) to assess the risk to human health from avian influenza and improve the understanding of the virus. While the very high levels of transmission in wild birds present a constant risk, there is no evidence so far that the virus is getting better at infecting humans or other mammals.

As of 14 February 2023, the [UKHSA risk assessment reports](#)¹⁶ that there is very limited evidence of mammalian transmission to date, but this is a critical gap to address with enhanced surveillance.

[WHO reports](#)¹⁷ that between 10 to 16 March 2023, **one new case** of human infection with avian influenza A(H5N1) virus were reported to WHO in the Western Pacific Region. The case is a 53-year-old female farmer from Anhui province who developed symptoms on 31 January 2023. On 4 February, she was hospitalized for severe pneumonia and currently under treatment in the Jiangsu hospital. She had exposure to backyard poultry in Anhui province. The environmental samples of sick poultry were collected and tested positive for H5N1.

There have been no further cases detected among close household contacts.

As of 16 March 2023, a total of 240 cases of human infection with avian influenza A(H5N1) virus have been reported from four countries within the Western Pacific Region since January 2003. Of these cases, 135 were fatal, resulting in a case fatality rate (CFR) of 56%. The last case was reported from China, with an onset date of 22 September 2022 and died on 18 October 2022.

Figure 16 - World Health Organisation cumulative number of laboratory-confirmed human cases and deaths of influenza A(H5N1) virus infections.

Country	2003-2009		2010-2014		2015		2016		2017		2018		2019		2020		2021		2022		2023		Total	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
Cambodia	9	7	47	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	37
China	38	25	9	5	6	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	54	32
Lao PDR	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	2
Viet Nam	112	57	15	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	127	64
Total	161	91	71	42	6	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	240	135

¹⁶ <https://www.gov.uk/government/publications/avian-influenza-influenza-a-h5n1-technical-briefings/investigation-into-the-risk-to-human-health-of-avian-influenza-influenza-a-h5n1-in-england-technical-briefing-2>

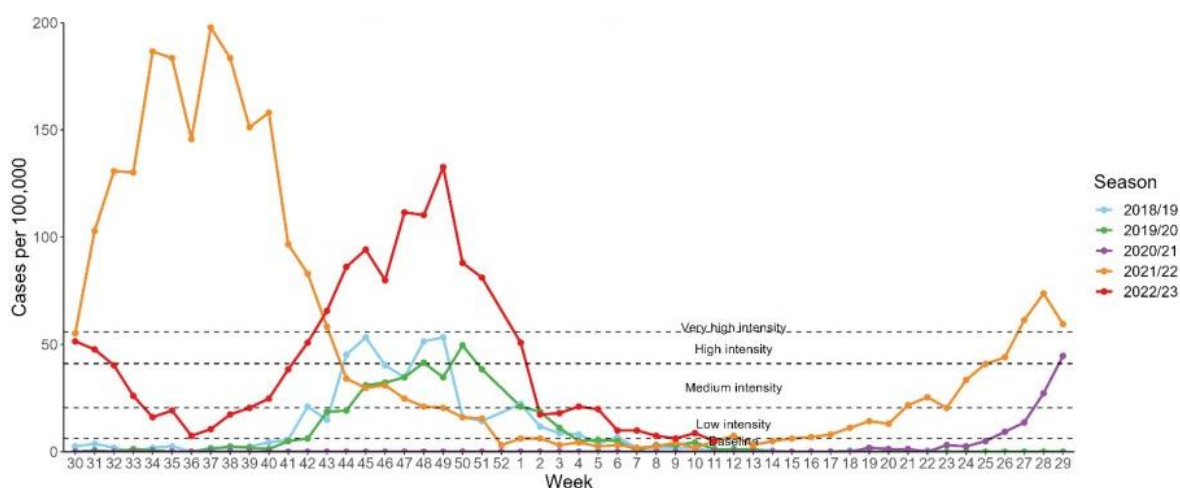
¹⁷ <https://www.who.int/westernpacific/emergencies/surveillance/avian-influenza>

4. Respiratory Syncytial Virus (RSV) and Invasive Group A streptococcal Situation

- RSV incidence in children under five years of age has decreased and it is currently at baseline levels.
- UKHSA reports that the overall positivity for RSV remained low.
- Scarlet fever and iGAS notifications have decreased to levels that are comparable to previous years.

As of 22 March 2023, PHW report that RSV in children under 5 years of age have decreased from peak levels seen in December and is currently at baseline levels of activity.

Figure 17 - RSV Incidence rate in those aged under 5 in Wales, by week



As of 23 March 2023, [UKHSA reports](#)¹⁸ that the overall positivity for RSV remained low at 0.9%, with the highest positivity in those aged under 5 years old at 2.0%. In week 11, the overall hospital admission rate for RSV remained low at 0.11 per 100,000. Emergency department attendances for acute bronchiolitis remained stable nationally.

¹⁸ [National flu and COVID-19 surveillance reports: 2022 to 2023 season - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/news/national-flu-and-covid-19-surveillance-reports-2022-to-2023-season)

4.1. Incidence data for Strep A and Scarlet Fever

As of 19 March 2023, PHW report that scarlet fever and iGAS notifications have decreased to levels that are comparable to previous years.

Figure 18 - PHW Scarlet Fever Notifications by year, 19 March 2023

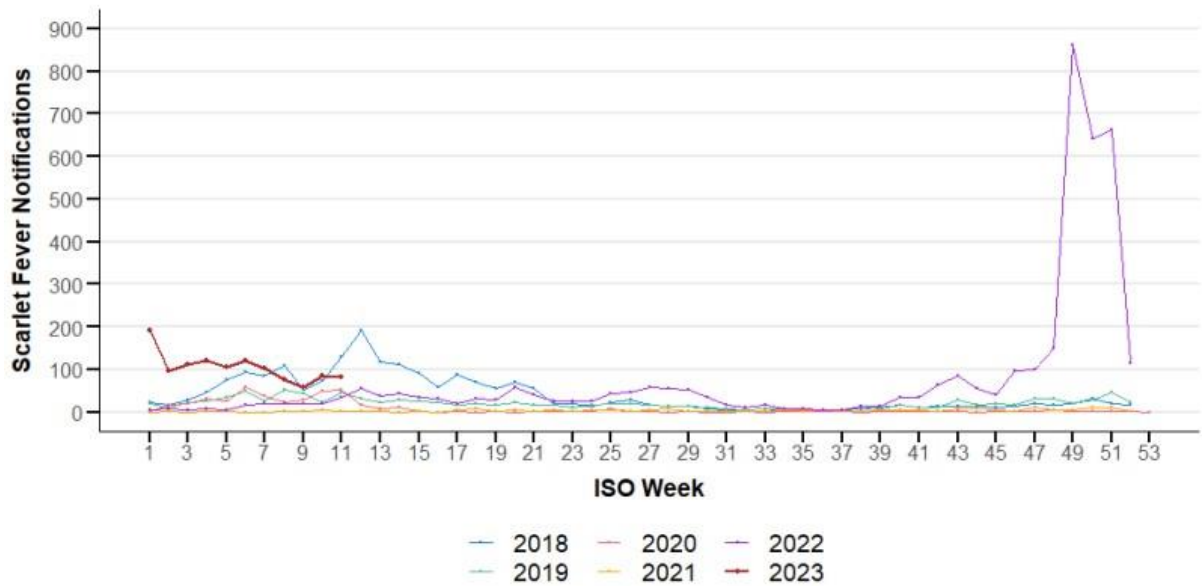


Figure 19 - PHW Lab Confirmed Invasive group A streptococcal infections, 19 March 2023

