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# Weekly Acute Respiratory Infection Report

Public Health Wales

Communicable Disease Surveillance Centre

Report week: 03 (ending 19 January 2025)

## Headline

- Influenza is still circulating with activity at “medium” intensity levels. GP consultations for influenza-like illness and confirmed case numbers have decreased in the current week, as did test positivity. Influenza A(H1N1) is currently being detected in the highest numbers, influenza A(H3N2) cases are also being confirmed at lower levels. Last week, there was a small rise in influenza B cases.
- Surveillance indicators suggest that the peak of the influenza season may have passed within the previous two weeks, however cases remain elevated and there remains potential for further increases in influenza B cases.
- Respiratory Syncytial Virus (RSV) is still circulating, but activity has decreased to low intensity.
- COVID-19 case numbers have remained broadly stable in recent weeks.
- GP consultations for acute respiratory infections decreased overall in the most recent week, although consultation rates increased among children aged 0–5 years.
- According to EuroMoMo method, ‘no excess’ has been reported all-cause mortality so far this season.

## Foreword

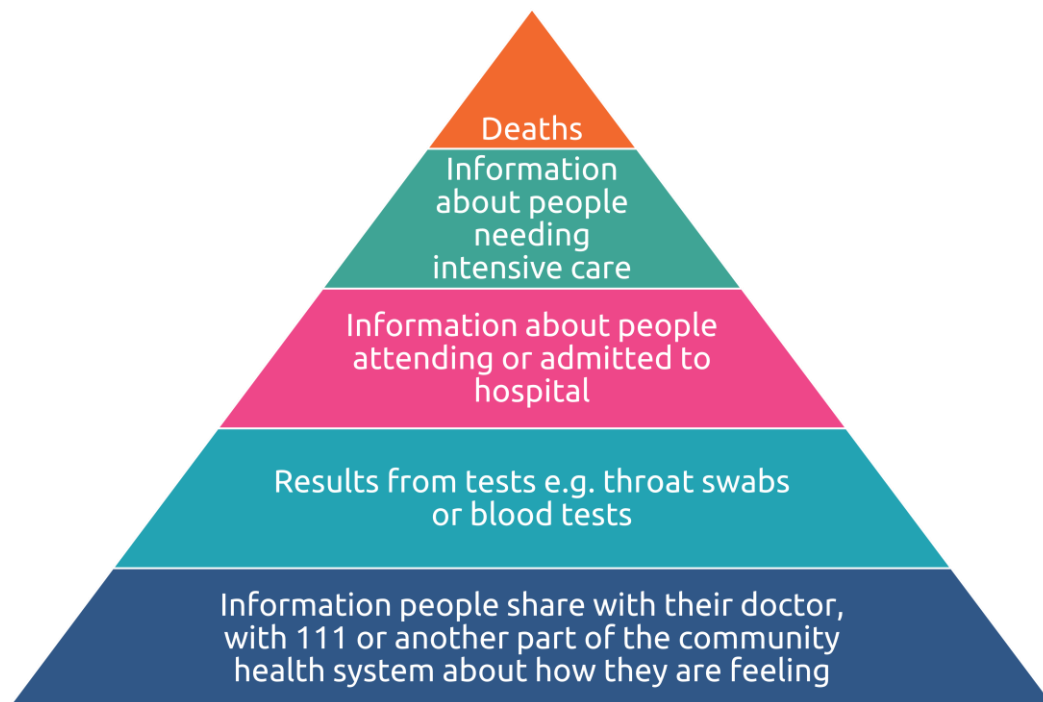
This report replaces the previously separate weekly reports on COVID-19, influenza and other respiratory infections. It is published on a weekly basis between week 40 (October) and 20 (May) of the following year, and on a fortnightly basis during the summer period.

This report summarises the latest available information from several Public Health Wales surveillance schemes, reports on Acute Respiratory Infections (ARI) and information from other sources.

Additional information is available from the links below.

- [Weekly ARI Hospital Admissions Dashboard](#)
- [EuroMOMO European mortality monitoring](#)
- [Public Health Wales Respiratory Infection Mortality updates](#)
- [COVID-19 variant summary](#)

The structure of this report is based on the surveillance pyramid (from mild to severe infection outcomes), illustrated below. Icons alongside chapter headings indicate the types of information included in the chapter.



## Table of Contents

Headline .....	0
Foreword .....	2
High Level Summary Points.....	4
1. Community surveillance indicators.....	5
2. Virological Surveillance .....	9
3. Severe Acute Respiratory Infection (SARI) and surveillance in hospitals.....	12
4. Settings-based surveillance and outbreaks.....	17
5. Mortality surveillance .....	19
6. Pathogen-specific surveillance .....	22
7. International Summary.....	25
8. Notes on interpretation.....	27
9. Statement of voluntary application of the Code of Practice for Statistics.....	28
10. Links to surveillance reports from other countries .....	29

## High Level Summary Points

	Community infection indicators	Severe infection indicators
<b>Overall Acute Respiratory Infection (ARI)</b>	<p>The 3-week trend in consultation rate per 100,000 for broader acute respiratory infection (ARI) is decreasing.</p> <p>Consultations with Sentinel GPs for acute respiratory infection (ARI) decreased compared to last week.</p>	<p>Admissions in patients testing positive for influenza, COVID-19 or RSV have decreased in in the most recent week (4% of total admissions).</p>
<b>Influenza</b>	<p><b>Influenza is circulating, and case numbers remain elevated, although the peak may have passed within the last two weeks. There remains potential for further increases in influenza B activity.</b></p> <p>The overall proportion of samples testing positive decreased in the most recent week to 14.6%.</p> <p>Consultations for influenza-like illness (ILI) with sentinel GPs decreased and remain at medium intensity. 107 cases of influenza were confirmed from symptomatic sentinel GP network patients across Wales last week.</p>	<p>The number of confirmed cases of community acquired influenza admitted to hospital decreased to 136 in the most recent week.</p> <p>In the most recent week, there were 517 in-patient cases of confirmed influenza, 19 of whom were in critical care.</p>
<b>Influenza type breakdown</b>	<p><b>Since 2024 Week 40:</b> 5,932 total influenza cases confirmed (298 influenza A(H3N2), 1,346 influenza A(H1N1)pdm09, 4,039 influenza A untyped and 249 influenza B).</p> <p><b>In the most recent week:</b> 14 confirmed cases of influenza A(H3N2), 91 cases of influenza A(H1N1)pdm09, 303 influenza A untyped and 43 influenza B)</p>	
<b>COVID-19</b>	<p>The overall proportion of samples testing positive remained stable at 2.9% in hospital and non-sentinel GP practices.</p> <p>Consultations with sentinel GPs for ARI <b>decreased</b> in the most recent week.</p> <p>Confirmed cases of COVID-19 in sentinel GP patients remained stable.</p>	<p>The number of confirmed cases of community acquired COVID-19 admitted to hospital decreased to 22 in the most recent week.</p> <p>In the most recent week, there were 201 in-patient cases of confirmed COVID-19, two of whom were in critical care.</p>
<b>RSV</b>	<p>RSV is circulating, with incidence at low levels in children aged up to 5y.</p> <p>Incidence per 100,000 population in children aged up to 5y decreased to 9.9 in the most recent week.</p>	<p>The number of confirmed cases of community acquired RSV admitted to hospital decreased to 49 in the most recent week.</p> <p>In the most recent week, there were 159 in-patient cases of confirmed RSV, three of whom were in critical care.</p>
<b>Other respiratory pathogens</b>	<p>Confirmed cases and test positivity for rhinovirus and human metapneumovirus have remained stable or decreased compared to the previous week.</p>	



## 1. Community surveillance indicators

### GP Consultations

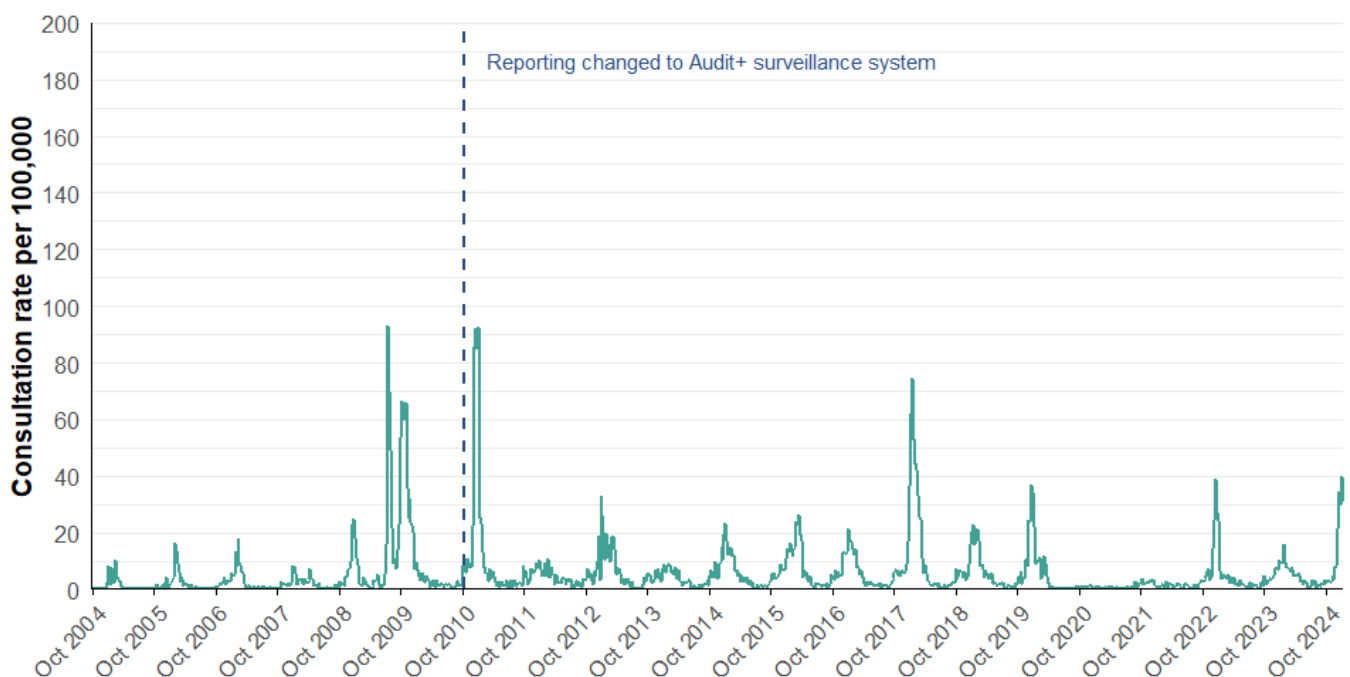
- The sentinel GP consultation rate for influenza-like illness (ILI) is at medium intensity and the three-week trend is variable (Figures 1.2, 1.3).
- There were 30.7 ILI consultations per 100,000 practice population in the most recent week, a decrease compared to the previous week (39.7 consultations per 100,000).
- In the most recent week, using all available data from general practices, there were 17.9 ARI consultations per 100,000 practice population, a decrease from 24.5 in the previous week (Table 1.2). The highest rates were found in those aged under 1 year (1357.3) followed by children aged 1 to 4 (660.1) and people aged 75 and older (287.3) (Figure 1.4).
- Consultations for acute respiratory infections in GP consultation data in Wales increased in people aged under 5 years during the most recent week, but the longer-term trend is decreasing (Figure 1.4).

### Ambulance Calls

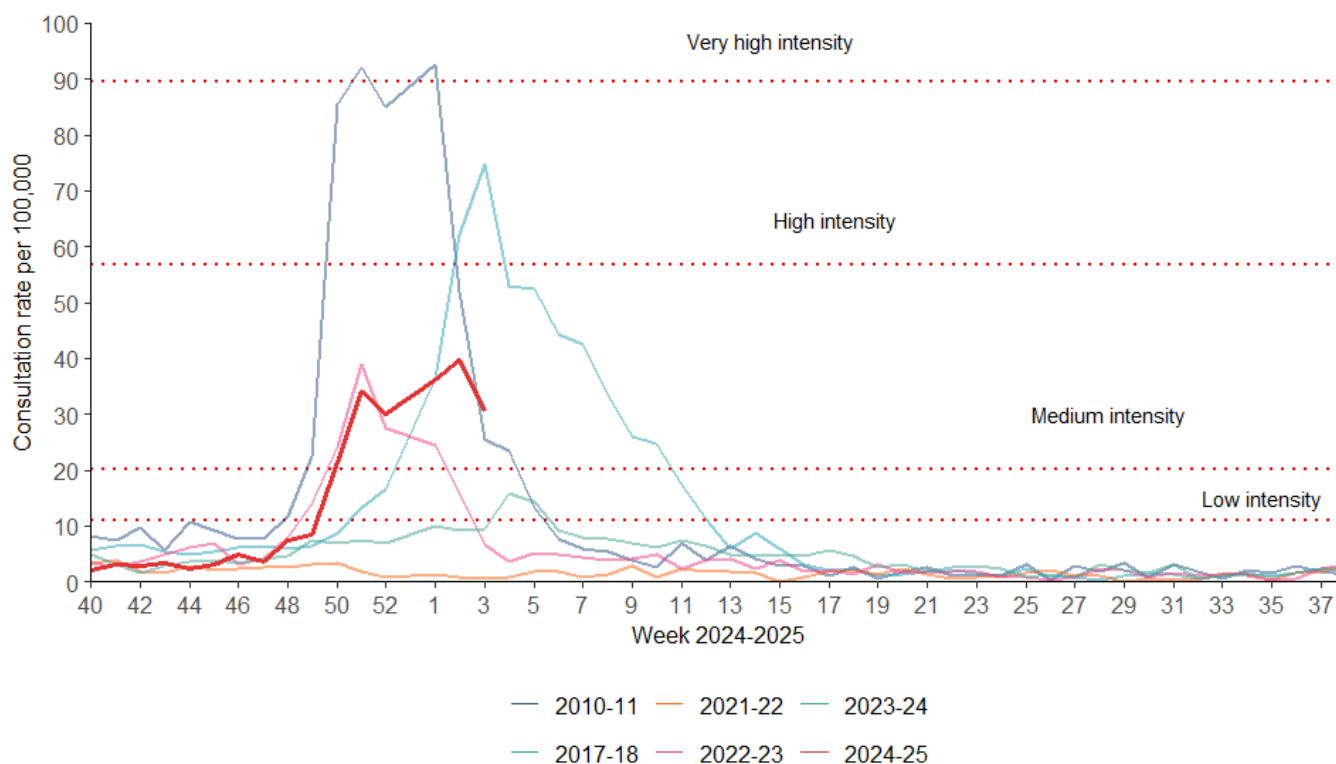
- The number of ambulance calls recorded referring to syndromic indicators decreased from 1,937 in the previous week to 1,805 in the latest reporting week (Figure 1.5, Table 1.3).
- Calls for cardiac or respiratory arrest, chest pain, difficulty breathing were stable or decreased compared to the previous week. (figure 1.5, Table 1.3).

### GP consultations – Sentinel Network

**Figure 1.1.** Sentinel GP network clinical consultation rate for ILI per 100,000 practice population (Week 40 1996 - Week 3, 2025).



**Figure 1.2.** Sentinel GP network clinical consultation rate for ILI per 100,000 practice population.



Data correct as of 21/01/2025

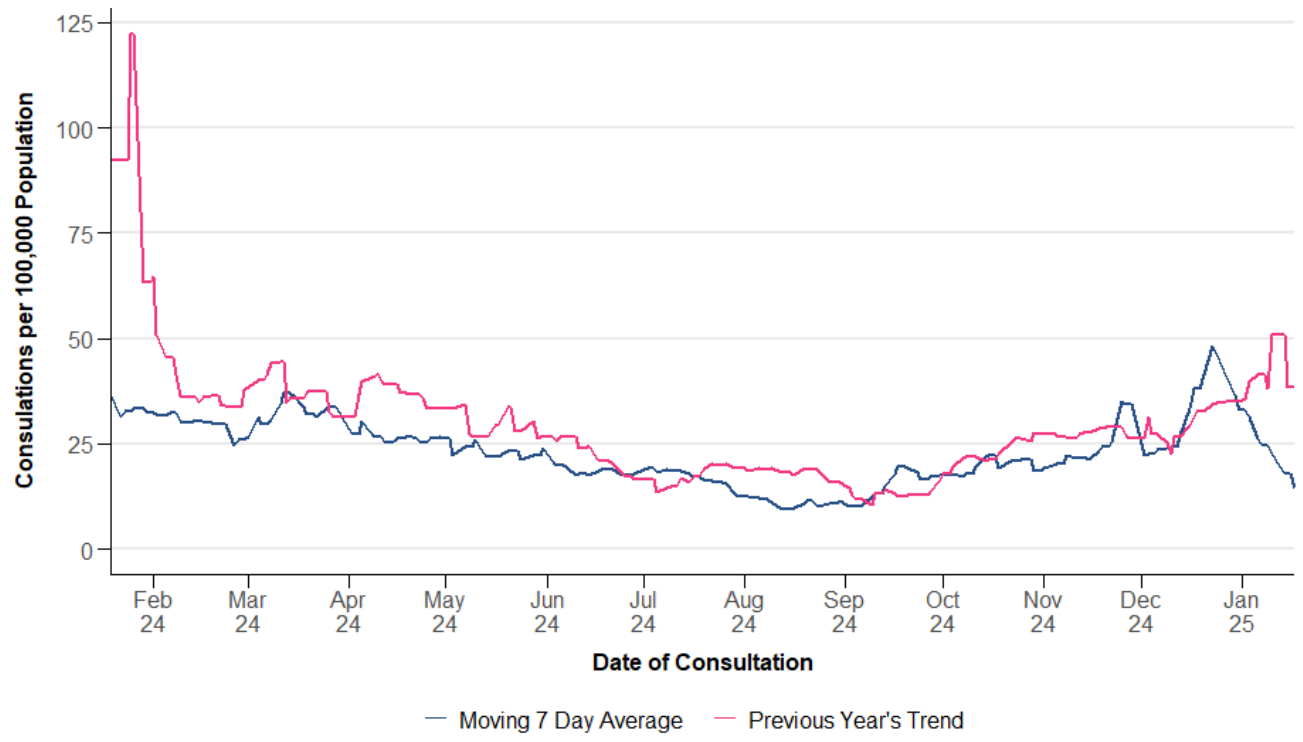
## GP Consultations - All Wales

**Table 1.2.** Summary of GP consultations per 100,000 practice population in Wales, by indicator, for week 3, 2025. This table uses all available GP surveillance data (from sentinel and non-sentinel practices).

Indicator	Current Reporting Week	Preceding Week	Equivalent Period Last Year
ARI	17.88	24.54	42.66
COVID-19	0.34	0.39	4.07
LRTI	6.77	10.55	17.16
Pneumonia	0.04	0.06	0.09
Severe asthma	0.78	0.97	2.24
URTI	11.13	14.06	25.74
<b>Total</b>	<b>36.94</b>	<b>50.57</b>	<b>91.96</b>

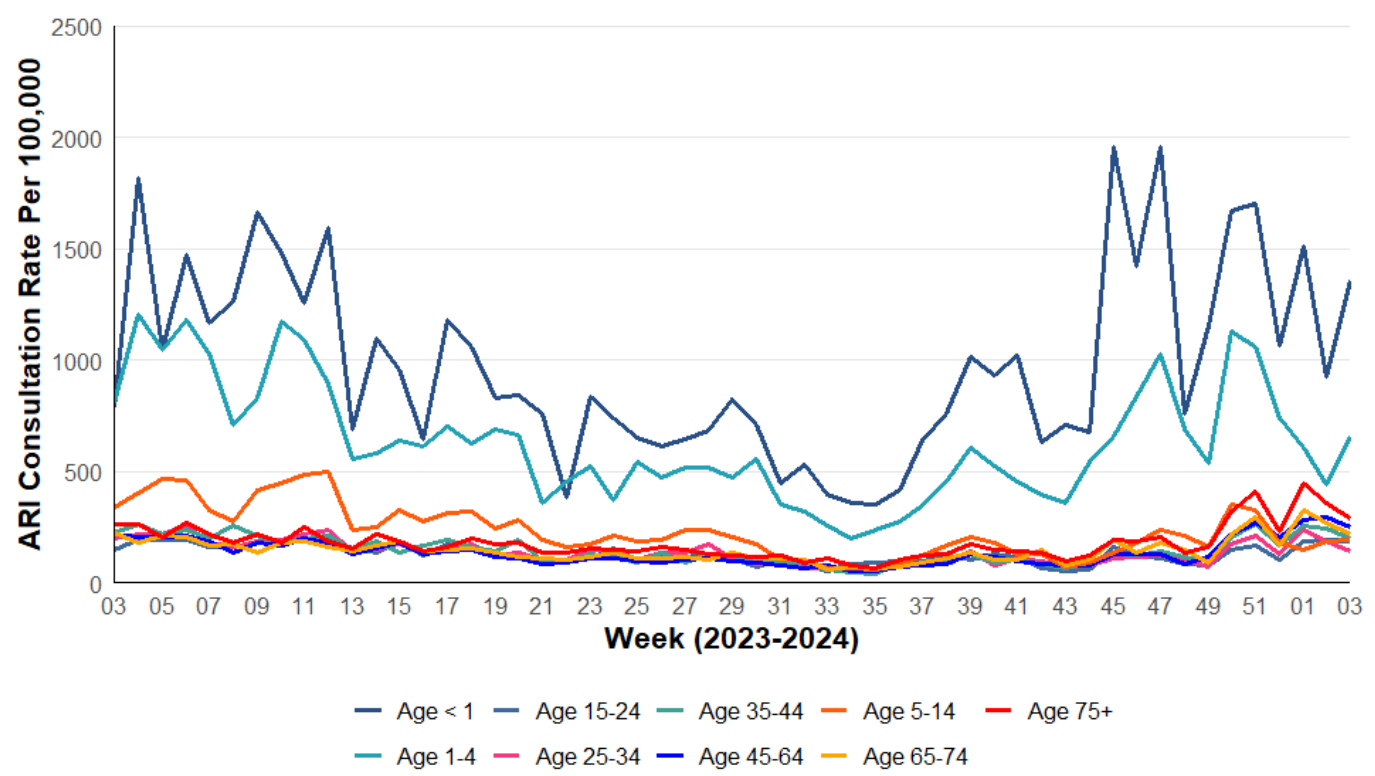
NB: "Current reporting week" refers to the average daily rate in the current reporting week. "Preceding week" refers to the average daily rate in the preceding week. "Equivalent period last year" refers to the average daily rate in the equivalent period last year.

**Figure 1.3.** All Wales GP consultation rates for ILI per 100,000 practice population for Acute Respiratory Infection (ARI).



Data correct as of 21/01/2025

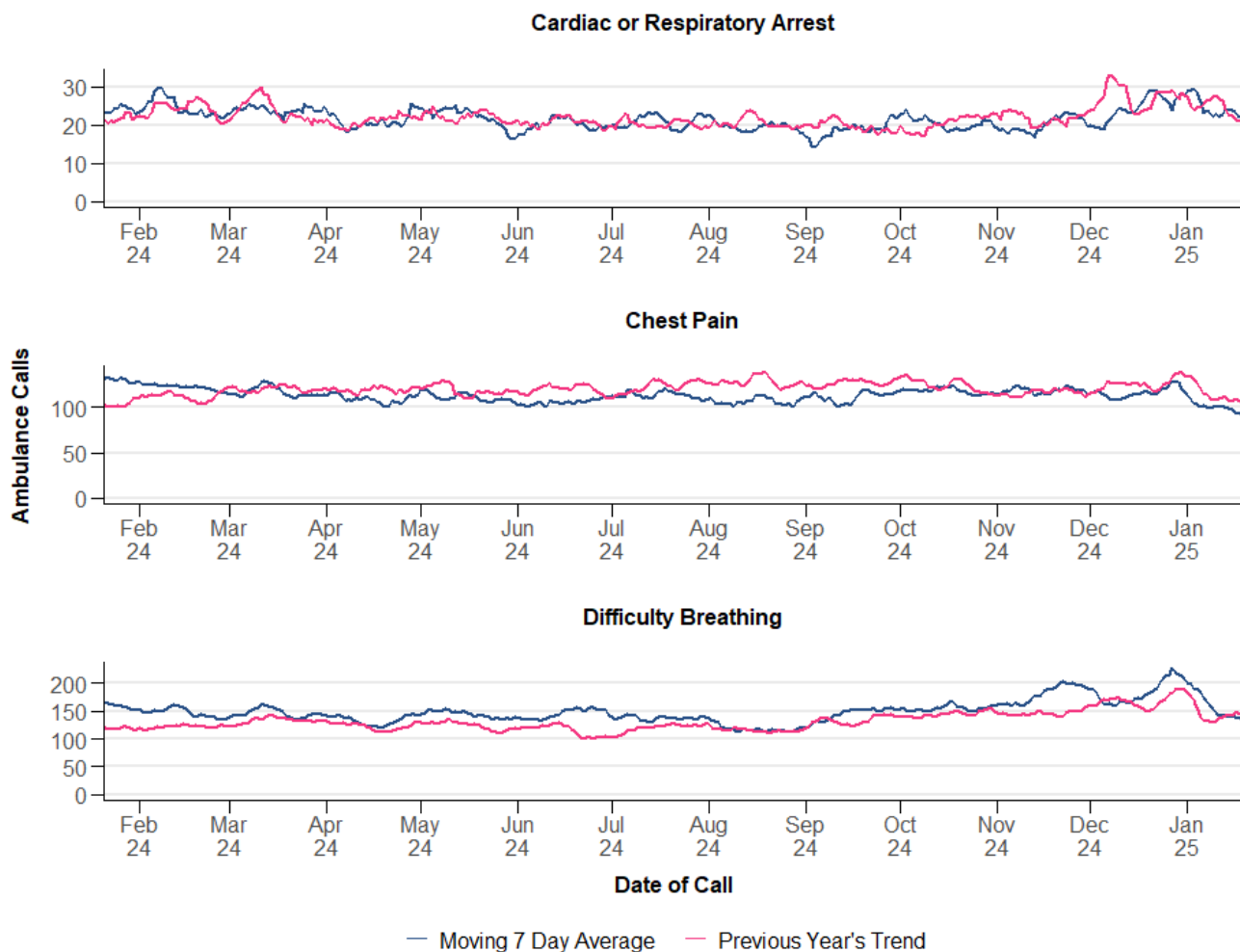
**Figure 1.4.** All Wales clinical consultation rates for Acute Respiratory Infection (ARI) per 100,000 practice population, by age bands.



Data correct as of 21/01/2025

## Ambulance Calls

**Figure 1.5.** Rolling seven-day average for ambulance calls for both current and the previous year, by symptom. This summary analysis uses data provided by the Welsh Ambulance Service NHS Trust.



Data correct as of 21/01/2025

**Table 1.3.** Summary of weekly number of Ambulance calls, by symptom in Wales, for week 3, 2025). This summary analysis uses data provided by the Welsh Ambulance Service NHS Trust.

Indicator	Current Reporting Week	Preceding Week	Equivalent Period Last Year
Cardiac or Respiratory Arrest	165	154	186
Chest Pain	662	707	777
Difficulty Breathing	978	1,076	937
<b>Total</b>	<b>1,805</b>	<b>1,937</b>	<b>1,900</b>

NB: "Current reporting week" refers to the total number of calls in in the current reporting week. "Preceding week" refers to the total number of calls in in the preceding week. "Equivalent period last year" refers to the total number of calls in in the equivalent period last year.



## 2. Virological Surveillance

### Wales Sentinel GP and Sentinel Community Pharmacy Network

- There were 472 surveillance samples from patients with ILI symptoms collected by sentinel GPs and community pharmacies during Week 3, 2025, as at 22/01/2025 (Table 2.1, Figure 2.1).
- The most commonly detected pathogens were influenza A (86) followed by rhinovirus (42) and human metapneumovirus (33). Of the 472 tests, 48.1% were negative for all respiratory pathogens (Table 2.1, Figure 2.1).

### All Wales Datastore Respiratory Infection Testing

- There were 1,316 samples receiving multiplex respiratory panel testing, collected from patients attending hospitals and non-sentinel GPs during week 3 (Table 2.2, Figure 2.2).
- The most commonly detected pathogens were influenza A (176), followed by rhinovirus (92), and RSV (83). Of the 1,316 tests, 63.7% were negative for all respiratory pathogens (Table 2.2, Figure 2.2).

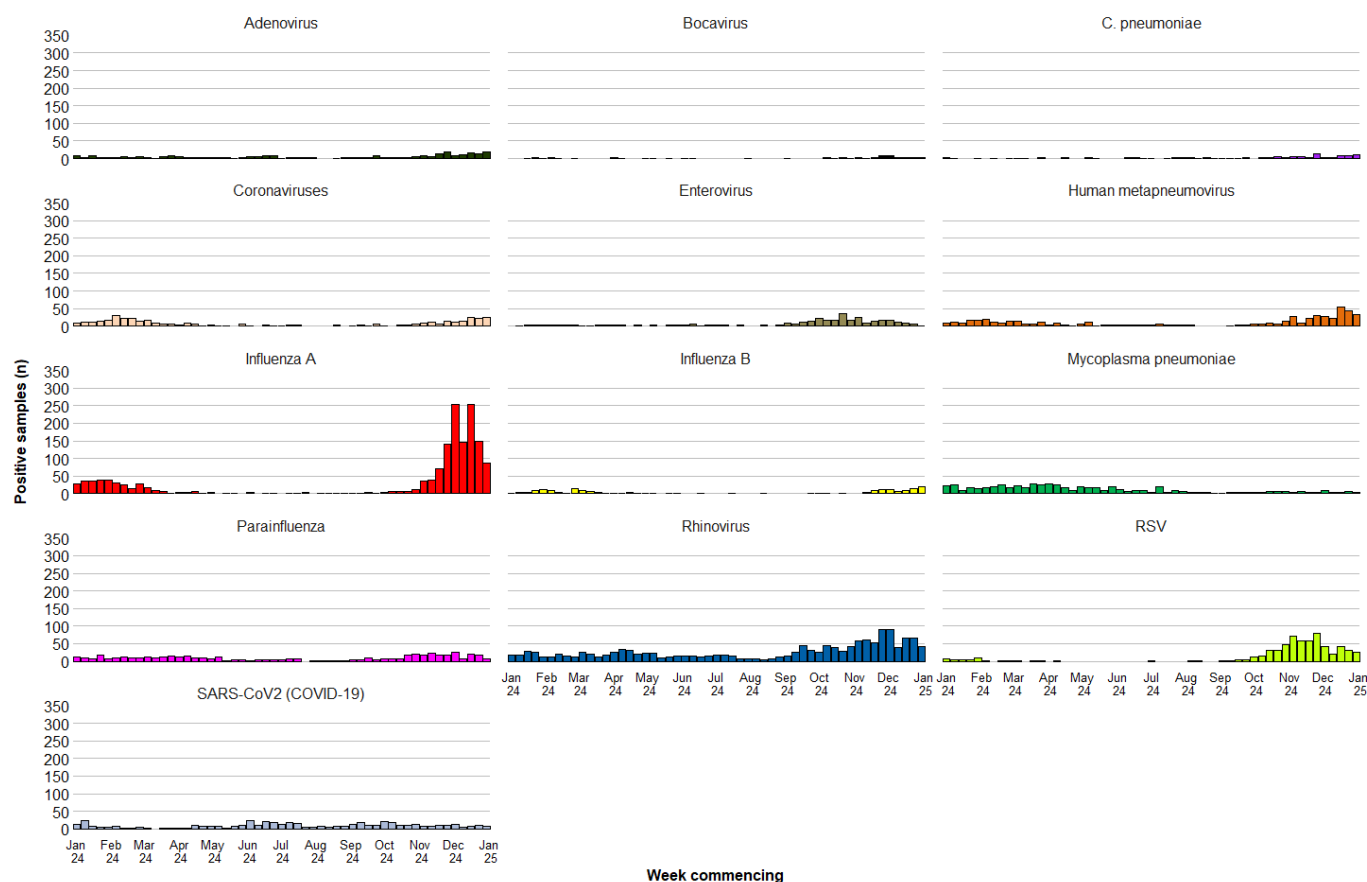
Additionally, during Week 3, 734 samples from patients were tested for influenza, RSV and SARS-CoV-2 only (Figure 2.3). Of these the following tested positive:

- 152 for influenza (146 for influenza A, six for influenza B).
- 48 for SARS-CoV-2 (COVID-19)
- 36 for RSV

**Table 2.1:** Pathogens detected, and sample positivity for samples from symptomatic patients from the Wales Sentinel GP and Sentinel Pharmacy networks, week 3, 2025.

Pathogens Detected	Count (n)	Positivity (current week)	Positivity (previous week)	Trend
Influenza A	86	18.2%	31.6%	Decreasing
Rhinovirus	42	8.9%	13.8%	Decreasing
Human metapneumovirus	33	7.0%	9.3%	Decreasing
RSV	25	5.3%	6.6%	Decreasing
Coronaviruses	25	5.3%	4.7%	Stable
Influenza B	21	4.4%	3.0%	Increasing
Adenovirus	18	3.8%	3.0%	Stable
C. pneumoniae	12	2.5%	1.9%	Stable
Parainfluenza	7	1.5%	3.6%	Decreasing
SARS-CoV2 (COVID-19)	7	1.5%	2.1%	Stable
Mycoplasma pneumoniae	5	1.1%	1.3%	Stable
Bocavirus	3	0.6%	0.8%	Stable
Enterovirus	1	0.2%	1.5%	Decreasing

**Figure 2.1.** Pathogens detected in samples from symptomatic patients from the Wales Sentinel GP and Sentinel Pharmacy networks, by week of sample collection, Week 3, 2024 to Week 3, 2025.



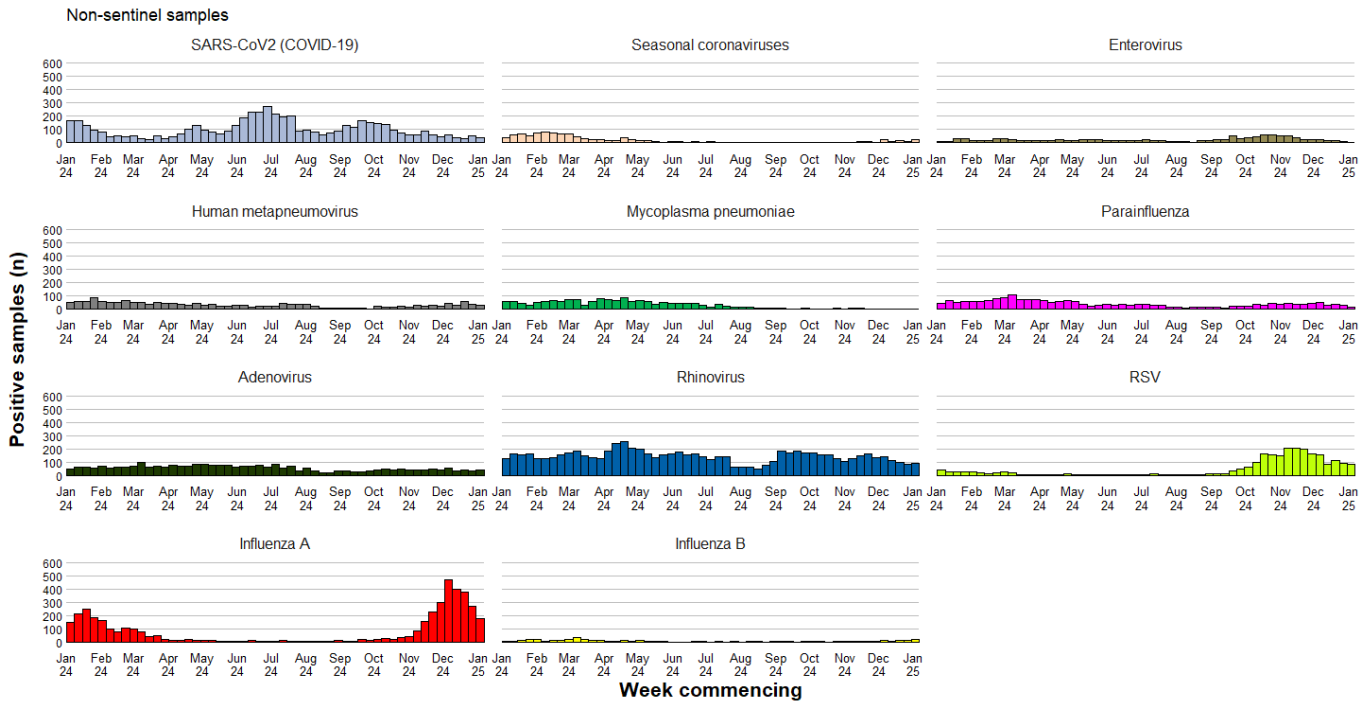
Data correct as of 22/01/2025

## All Wales Datastore Respiratory Infection Testing

**Table 2.2:** Pathogens detected and sample positivity for samples collected from hospital and non-Sentinel GP patients, week 3, 2025.

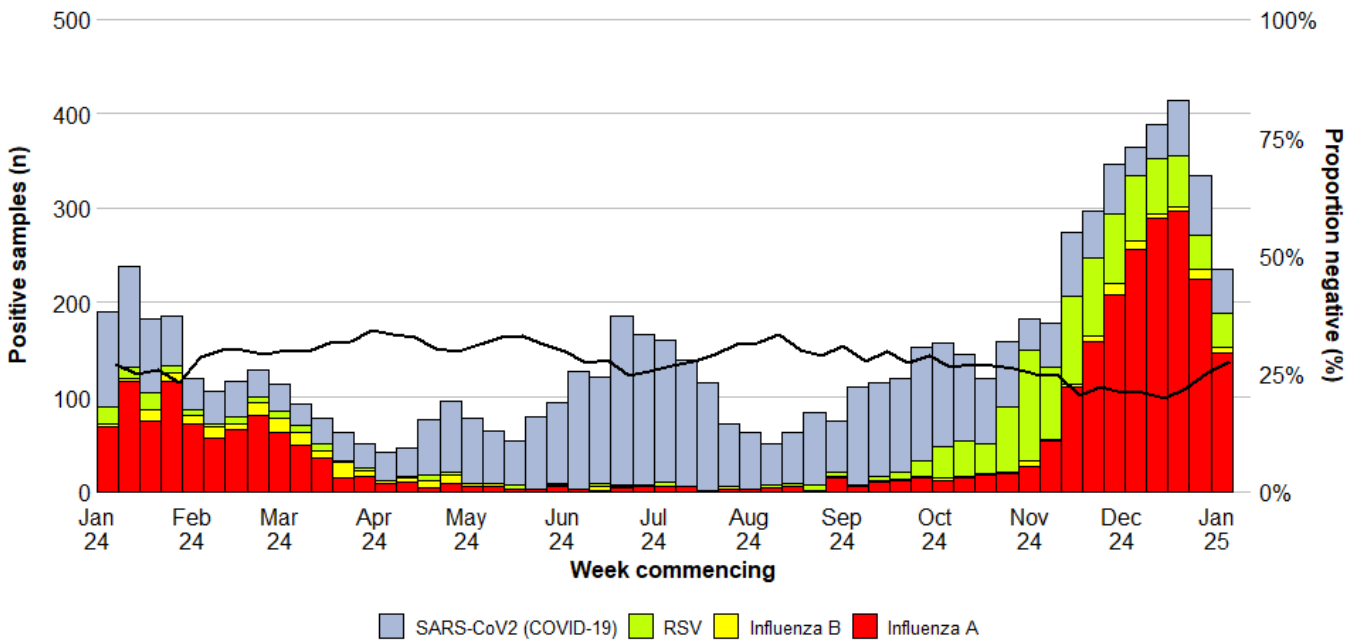
Pathogens Detected	Count (n)	Positivity (current week)	Positivity (previous week)	Trend
Influenza A	176	13.4%	18.6%	Decrease
Rhinovirus	92	7.0%	6.1%	Stable
RSV	83	6.3%	6.4%	Stable
Adenovirus	42	3.2%	2.6%	Stable
SARS-CoV2 (COVID-19)	38	2.9%	3.7%	Stable
Human metapneumovirus	30	2.3%	2.7%	Stable
Seasonal coronaviruses	27	2.1%	0.5%	Increasing
Parainfluenza	18	1.4%	2.2%	Stable
Influenza B	16	1.2%	0.8%	Stable
Enterovirus	6	0.5%	0.6%	Stable
Mycoplasma pneumoniae	4	0.3%	0.1%	Stable
Bocavirus	0	0.0%	0.0%	Stable
Chlamydia	0	0.0%	0.0%	Stable

**Figure 2.2.** Pathogens detected in samples collected from hospital and non-Sentinel GP patients, by week of sample collection, Week 3, 2024 to Week 3, 2025.



Data correct as of 20/01/2025

**Figure 2.3.** Samples from hospital patients submitted for RSV, Influenza and SARS-CoV2 testing only, by week of sample collection, Week 3, 2024 to Week 3, 2025.



Data correct as of 20/01/2025



## 3. Severe Acute Respiratory Infection (SARI) and surveillance in hospitals

### Sentinel SARI in emergency departments

- During week the previous four weeks there were 64 surveillance samples taken from SARI surveillance sentinel emergency departments. The most common pathogen identified from these samples was influenza A(22) followed by adenovirus(7) and RSV(6). Of the 64 samples collected, 37.5% were negative for all respiratory pathogens, (Table 3.1).
- During this time, the proportions of symptomatic patients attending sentinel emergency departments due to acute respiratory symptoms testing positive were 34% for influenza, 3% for SARS-CoV2 and 9% for RSV.

### Hospital in-patients

- During week ending 19/01/2025 there were 207 patients admitted to hospital with confirmed COVID-19, RSV or influenza, (97 less than the previous week), equating to 4% of all hospital admissions in that reporting week.
- At 23:59 on 19/01/2025, there were 877 patients in hospital with confirmed COVID-19, RSV or influenza, 121 less than the previous Sunday. This equates to 9% of all hospital in-patients (IPs) at that time. Of whom 66% (579) were hospital acquired (HA).

### Critical-care

- During week ending 19/01/2025 there were 14 ARI critical care (CC) admissions, 3 less than the previous week), Equating to 8% of all CC admissions in that reporting week.
- At 23:59 on 19/01/2025, there were 24 patients in CC with confirmed COVID-19, RSV or influenza, 16 less than the previous Sunday. This equates to 15% of all CC in-patients at that time. Of whom 29% (7) were hospital acquired (HA).

### Virological surveillance in ICU

- During week 3, 2025, 64 respiratory samples were tested from patients in intensive care units (ICU). Of these: three tested positive for RSV, two tested positive for influenza and one tested positive for SARS-CoV2 (COVID-19) (Figure 3.4).

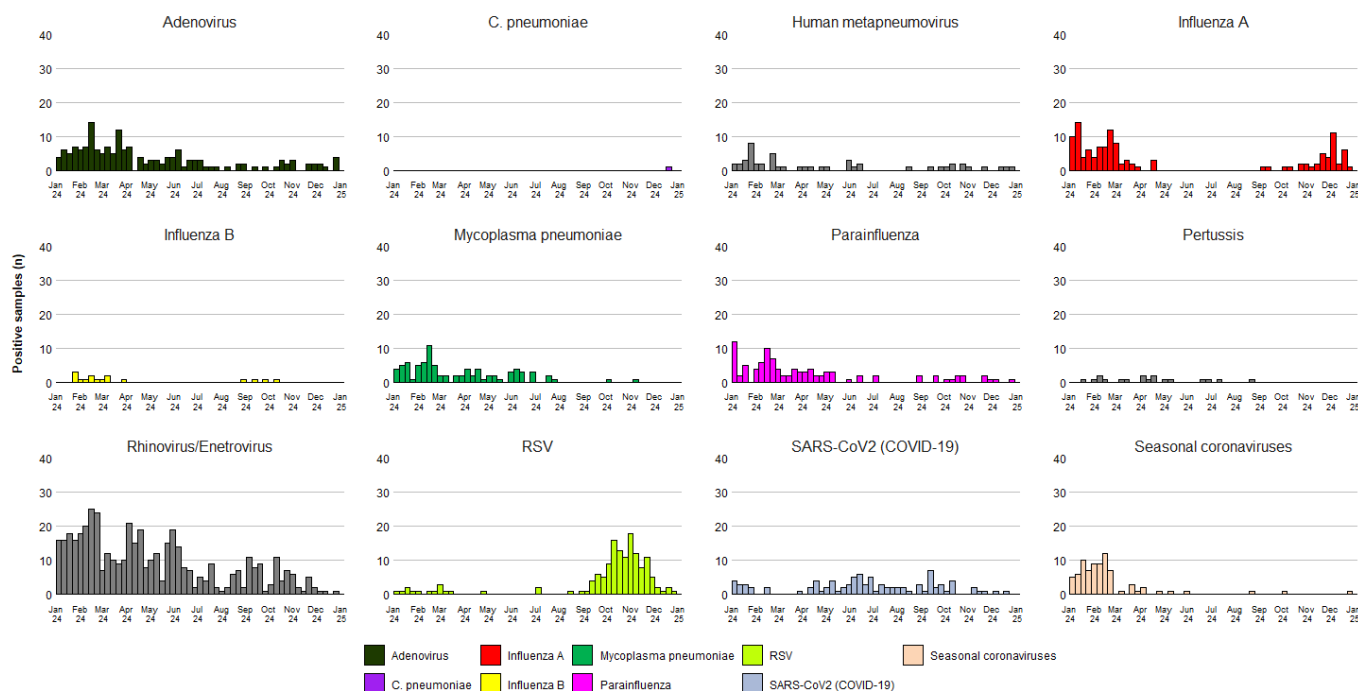
For detailed reports on surveillance of ARI in hospitals, including breakdowns by health board and age-group see: [Hospital admissions dashboard](#)

## Wales Sentinel SARI Emergency Department Network

**Table 3.1** Pathogens detected and sample positivity for samples collected from symptomatic patients presenting at participating SARI surveillance sentinel emergency departments, for week 2, 2025.

Pathogens Detected	Meeting SARI case definition in the last 4 weeks		Meeting SARI case definition in the last 12 months	
	n	%	n	%
Adenovirus	7	10.9%	165	9.0%
C. pneumoniae	1	1.6%	1	0.1%
Human metapneumovirus	3	4.7%	50	2.7%
Influenza A	22	34.4%	131	7.1%
Influenza B	0	0.0%	16	0.9%
Mycoplasma pneumoniae	0	0.0%	85	4.6%
Parainfluenza	2	3.1%	98	5.3%
Pertussis	0	0.0%	18	1.0%
RSV	6	9.4%	143	7.8%
Rhinovirus/Enterovirus	3	4.7%	466	25.4%
SARS-CoV2 (COVID-19)	2	3.1%	93	5.1%
Seasonal coronaviruses	1	1.6%	82	4.5%
Negative	24	37.5%	772	42.1%
<b>Total</b>	<b>64</b>	<b>100%</b>	<b>1,914</b>	<b>100%</b>

**Figure 3.1** Pathogens detected in samples collected from symptomatic patients presenting at participating SARI surveillance sentinel emergency departments, for week 2, 2025 and previous 12 months.



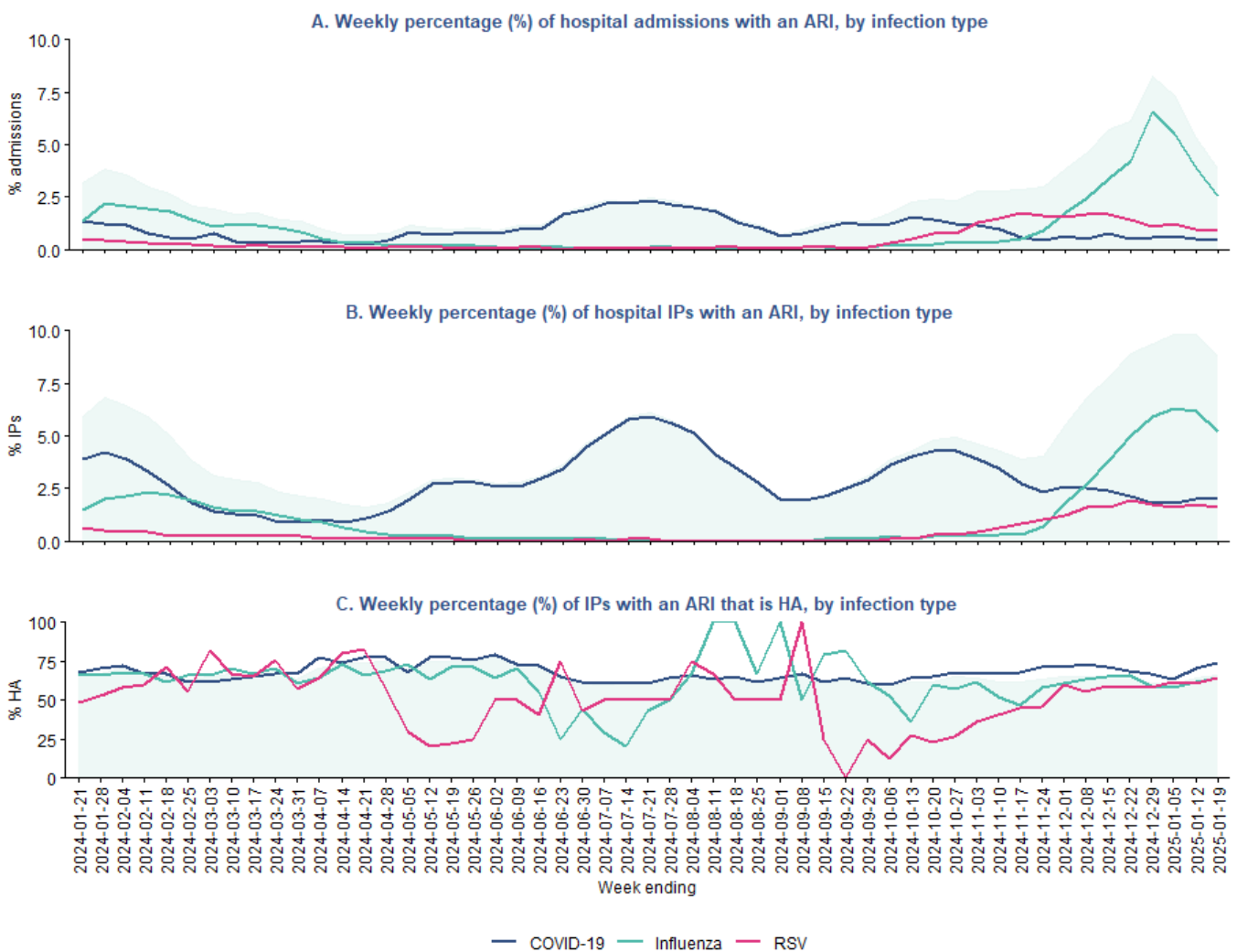
Data correct as of 16/01/2025

## Acute Respiratory Infection Surveillance in Hospital In-Patients

**Table 3.2.** Hospital admissions in patients confirmed **with** COVID-19, influenza and RSV (acute respiratory infection may not necessarily be the primary cause of admission).

Infection	Hospital admissions		Hospital In-patients		
	Count	% of all admissions	Count	% of all IPs	% HA (n)
<b>COVID-19</b>	22	<1%	201	2%	74% (148)
<b>Influenza</b>	136	3%	517	5%	64% (329)
<b>RSV</b>	49	1%	159	2%	64% (102)
<b>ARI total</b>	<b>207</b>	<b>4%</b>	<b>877</b>	<b>9%</b>	<b>66% (579)</b>

**Figure 3.2.** (A) Weekly percentage of hospital admissions where influenza, COVID-19 or RSV was confirmed. (B) Weekly percentage of total in-patients where influenza, COVID-19 or RSV was confirmed. (C) Weekly percentage of total number of in-patients with confirmed COVID-19, influenza or RSV where the infection was healthcare acquired.



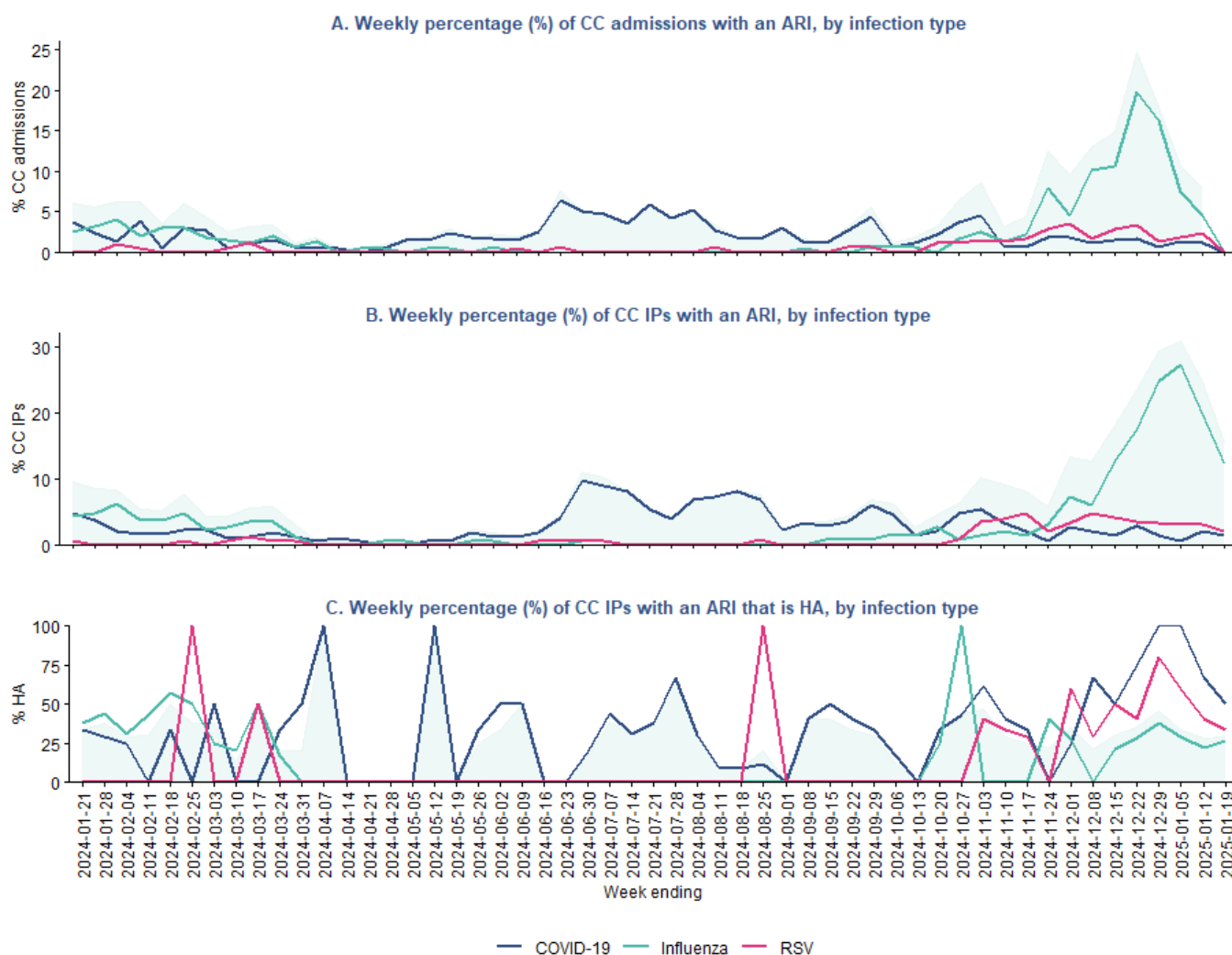
Data as of: 22-01-2025

## Acute Respiratory Infection Surveillance in Critical-Care In-Patients

**Table 3.3.** Critical care (CC) admissions in patients confirmed with COVID-19, influenza and RSV (acute respiratory infection may not necessarily be the primary cause of admission).

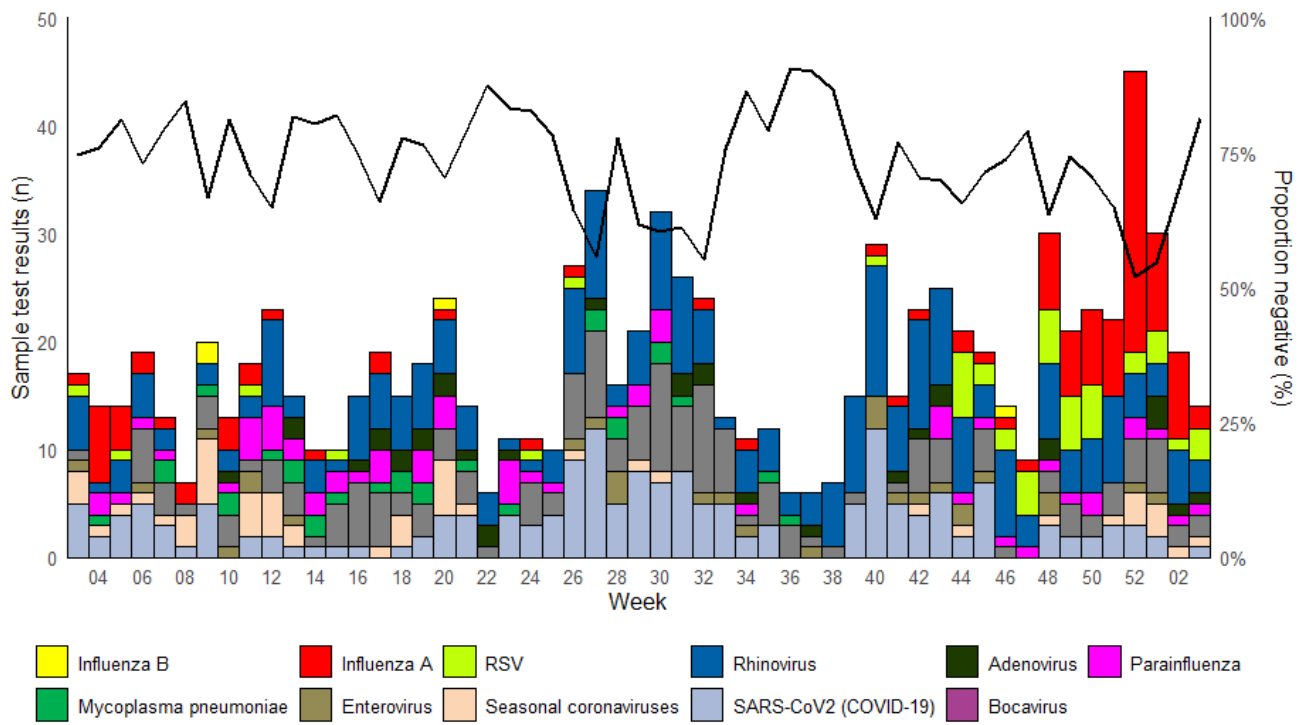
Infection	CC admissions		CC In-patients		
	Count	% of all CC admissions	Count	% of all CC In-patients	% HA (n)
COVID-19	2	1%	2	1%	50% (1)
Influenza	8	5%	19	12%	26% (5)
RSV	4	2%	3	2%	33% (1)
<b>ARI total</b>	<b>14</b>	<b>8%</b>	<b>24</b>	<b>15%</b>	<b>29% (7)</b>

**Figure 3.3.** (A) Weekly percentage of critical-care admissions where influenza, COVID-19 or RSV was confirmed. (B) Weekly percentage of total critical-care inpatients where influenza, COVID-19 or RSV was confirmed. (C) Weekly percentage of total number of critical-care inpatients with confirmed COVID-19, influenza or RSV where the infection was healthcare acquired.



Data as of: 22-01-2025

**Figure 3.4.** Samples submitted for virological testing from ICU patients, by week of sample collection, Week 3, 2025 to Week 3, 2025. The black line indicates the percentage of samples which tested negative for any of the pathogens listed.



Data correct as of 20/01/2025

## 4. Settings-based surveillance and outbreaks

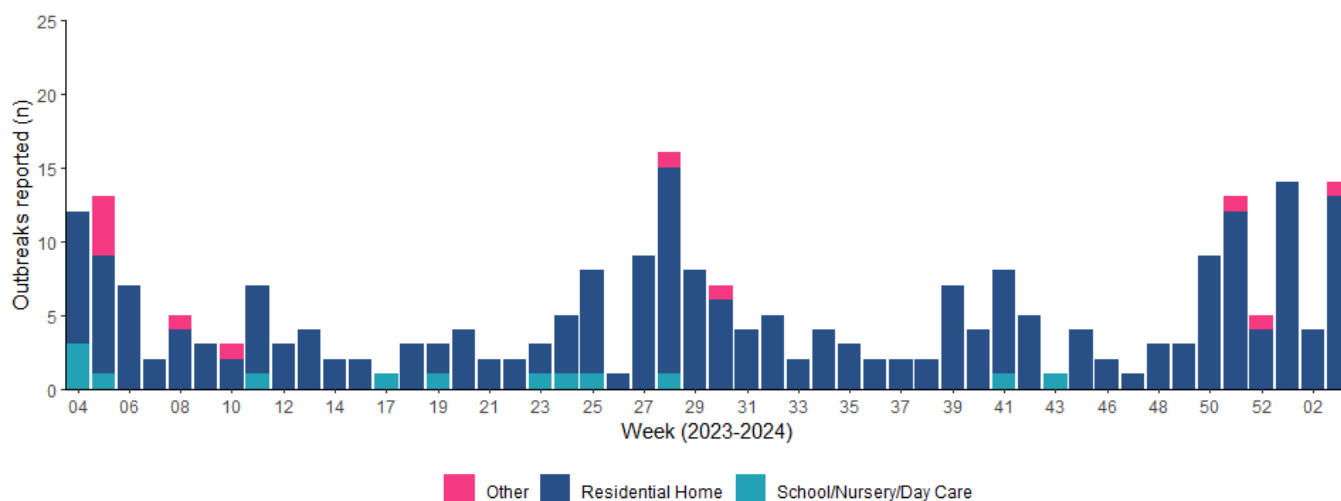
### Acute Respiratory Infection Outbreaks Reported to Public Health Wales Health Protection Team

During week 3, 2025, 14 ARI outbreaks were reported to the Public Health Wales Health Protection Team.

Of these:

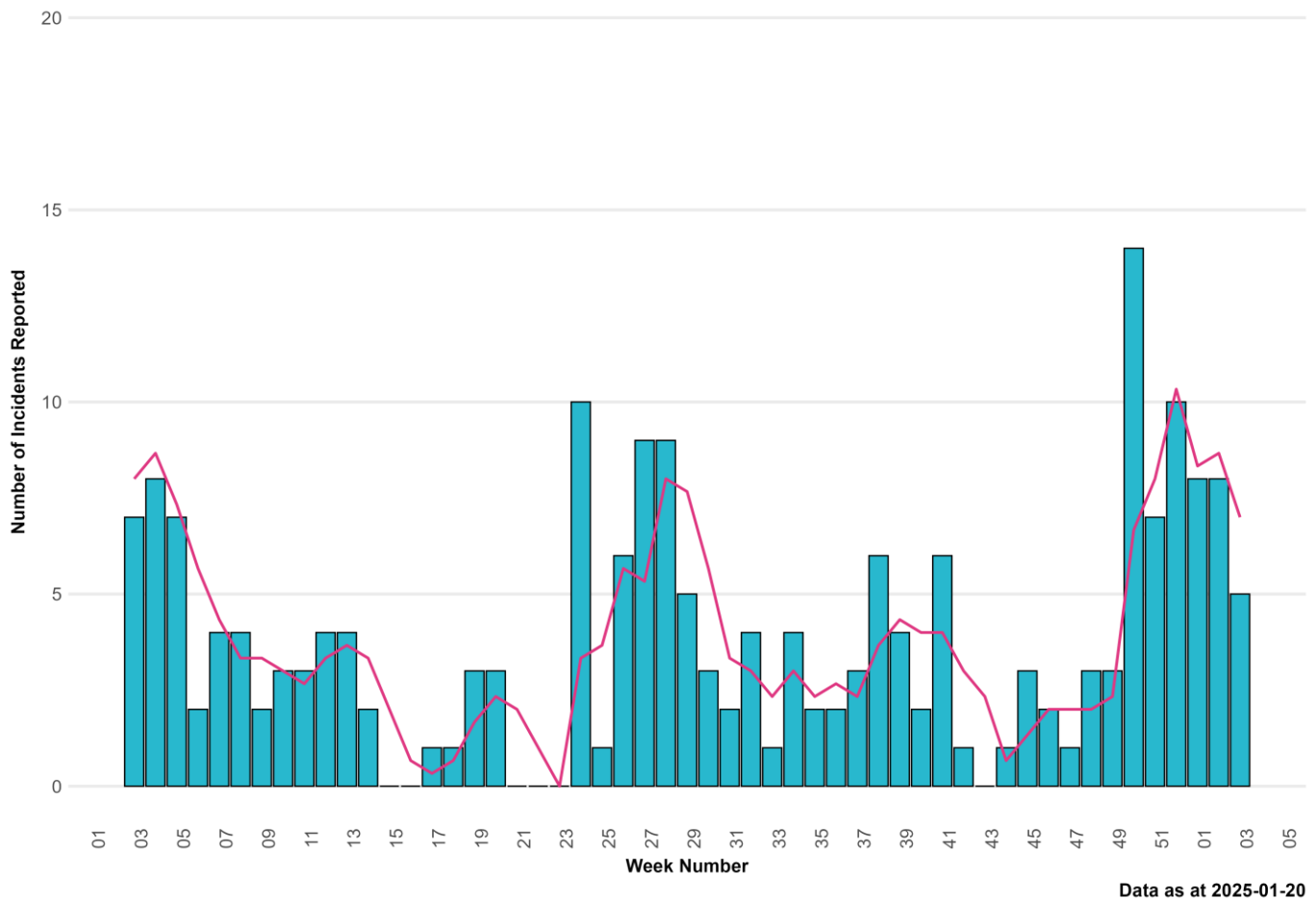
- Three were Covid-19, one was HMPV, three were influenza (untyped), six were influenza A, and one was Influenza A/Seasonal Coronavirus/Strep Pneumoniae/HMPV/RSV.
- 13 were in residential homes and was in an 'other' setting.

**Figure 4.1.** ARI outbreaks and incidents reported to Public Health Wales Health Protection Team, by setting and week of report. Completeness of reporting for outbreaks and incidents from schools/nurseries and other community settings is unknown.



Data correct as of 20/01/2025

**Figure 4.2.** ARI outbreaks and incidents reported to Public Health Wales Health Protection Team, from residential care home settings, by week of onset of first case. The three-week rolling average is shown in pink.

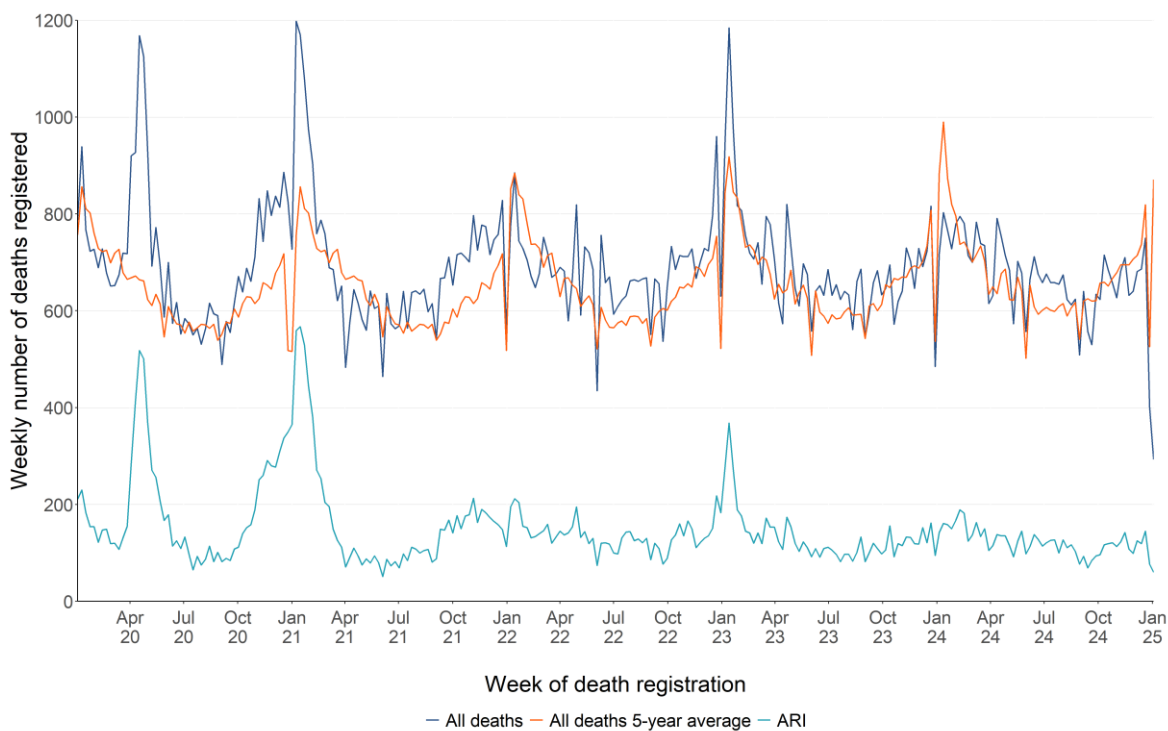




## 5. Mortality surveillance

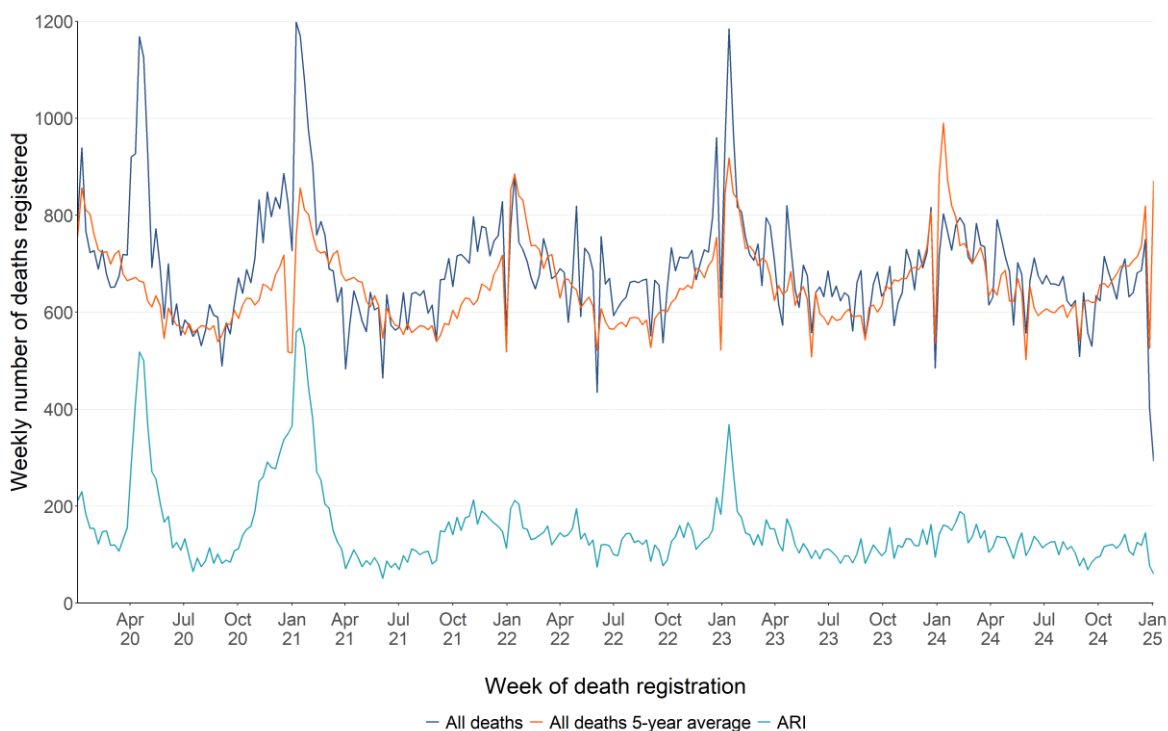
- Thus far this season, according to European Mortality Monitoring (EuroMoMo) methods, no excess has been reported in the weekly number of deaths from all causes in Wales.
- Breakdowns of all-cause and ARI specific mortality, according to data from deaths registrations provided by the Office for National Statistics are summarised by week, age-group, setting of death and deprivation quintile of residence in Figures 5.2 to 5.4. Data for the most recent weeks in these summaries should be interpreted cautiously due to potential reporting delays, and Bank Holiday periods should be interpreted with particular caution.
- Deaths relating to ARI have been defined using the following ICD10 codes: (J09-J22, J80, U07.1, U07.2 and J04)

**Figure 5.1.** Number of deaths registered (any cause), 5-year average (any cause) and deaths relating to ARI, by week of death registration.



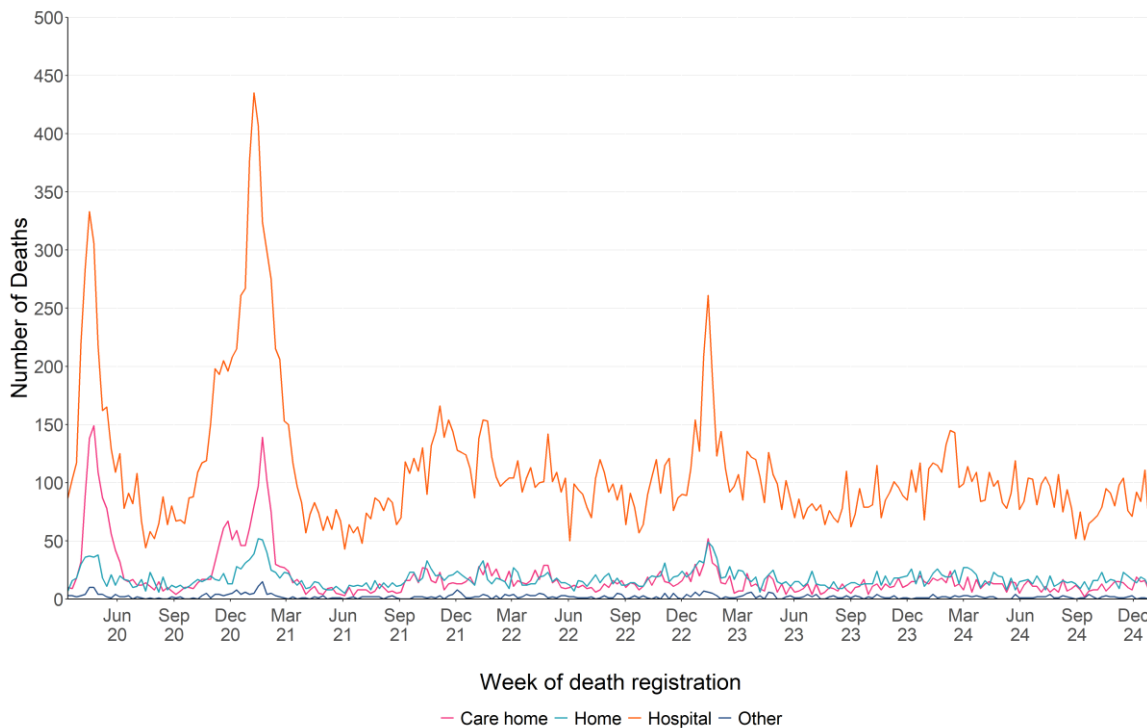
Data as of 21/01/2025

**Figure 5.2** Numbers of ARI related deaths by age-group and week of death registration.



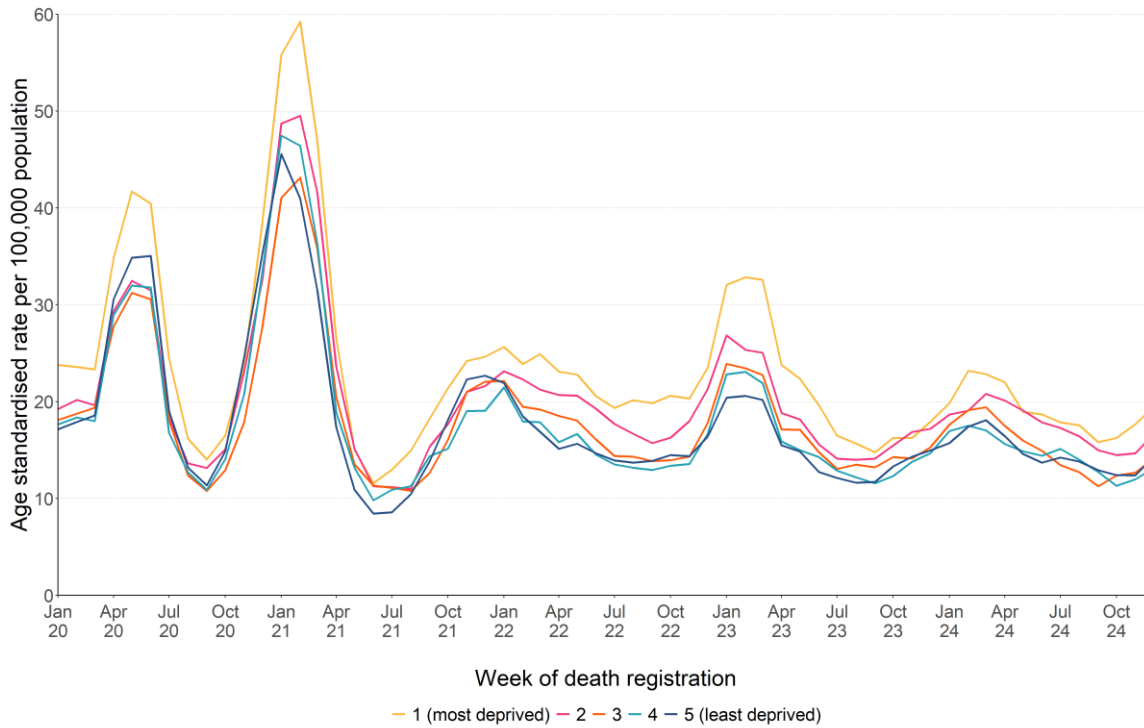
Data as of 21/01/2025

**Figure 5.3.** Numbers of deaths due to ARI, by place of death and week of death registration.



Data as of 21/01/2025

**Figure 5.4.** Numbers of ARI deaths, by quintile of deprivation of area of residence (based on the Welsh Index of Multiple Deprivation rankings of Lower Super Output Areas) and week of death registration.



Data as of 21/01/2025

For interactive versions of these data, including health board specific breakdowns, see: [ONS mortality dashboard](#)

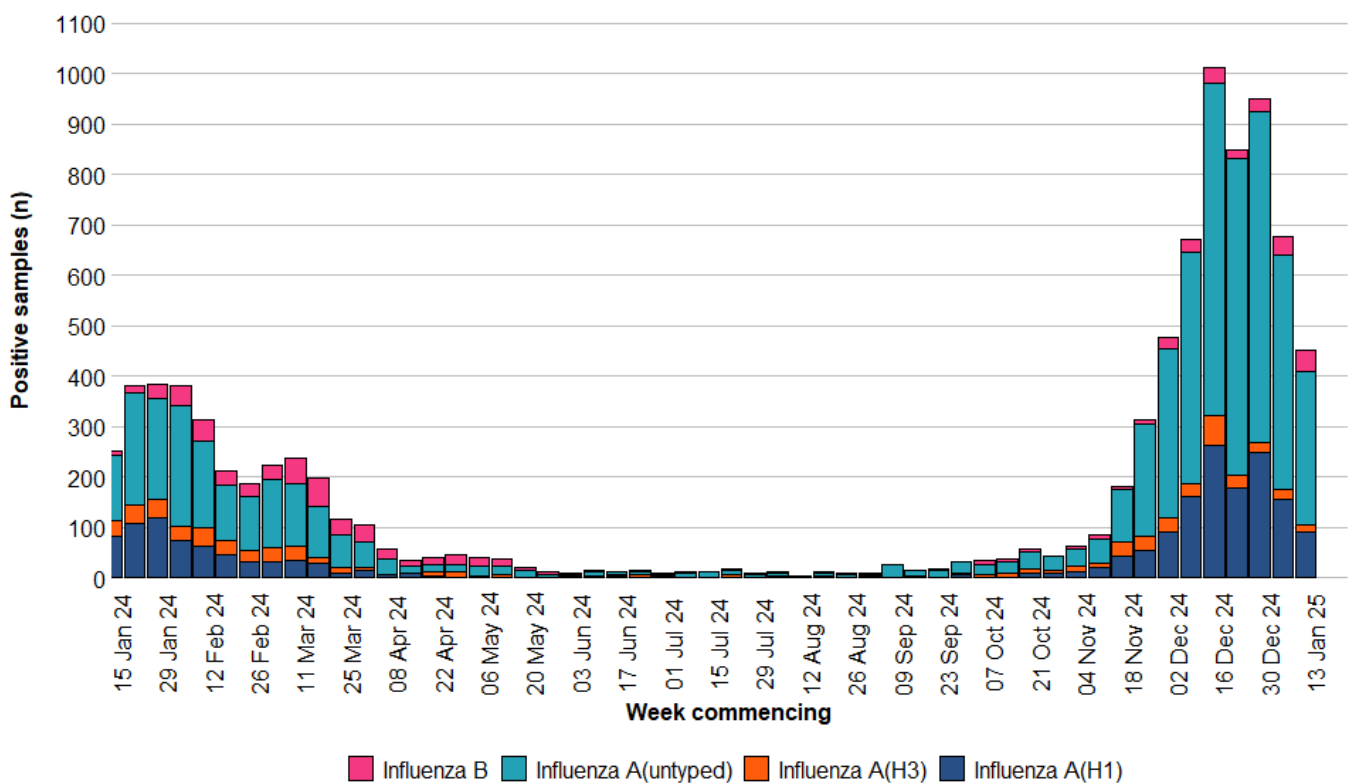


## 6. Pathogen-specific surveillance

### Influenza

- influenza A(H1N1) is the most commonly detected influenza subtype in Wales since week 40 2024 (1,346 confirmed cases), followed by influenza A(H3N2) (298 confirmed cases) and influenza B (249 confirmed cases). Additionally, there have been 4,039 untyped Influenza A cases.

**Figure 6.1.** Influenza subtypes based on samples submitted for virological testing by Sentinel GPs and community pharmacies, hospital patients, and non-Sentinel GPs, by week of sample collection, Week 3, 2024 to Week 3, 2025.



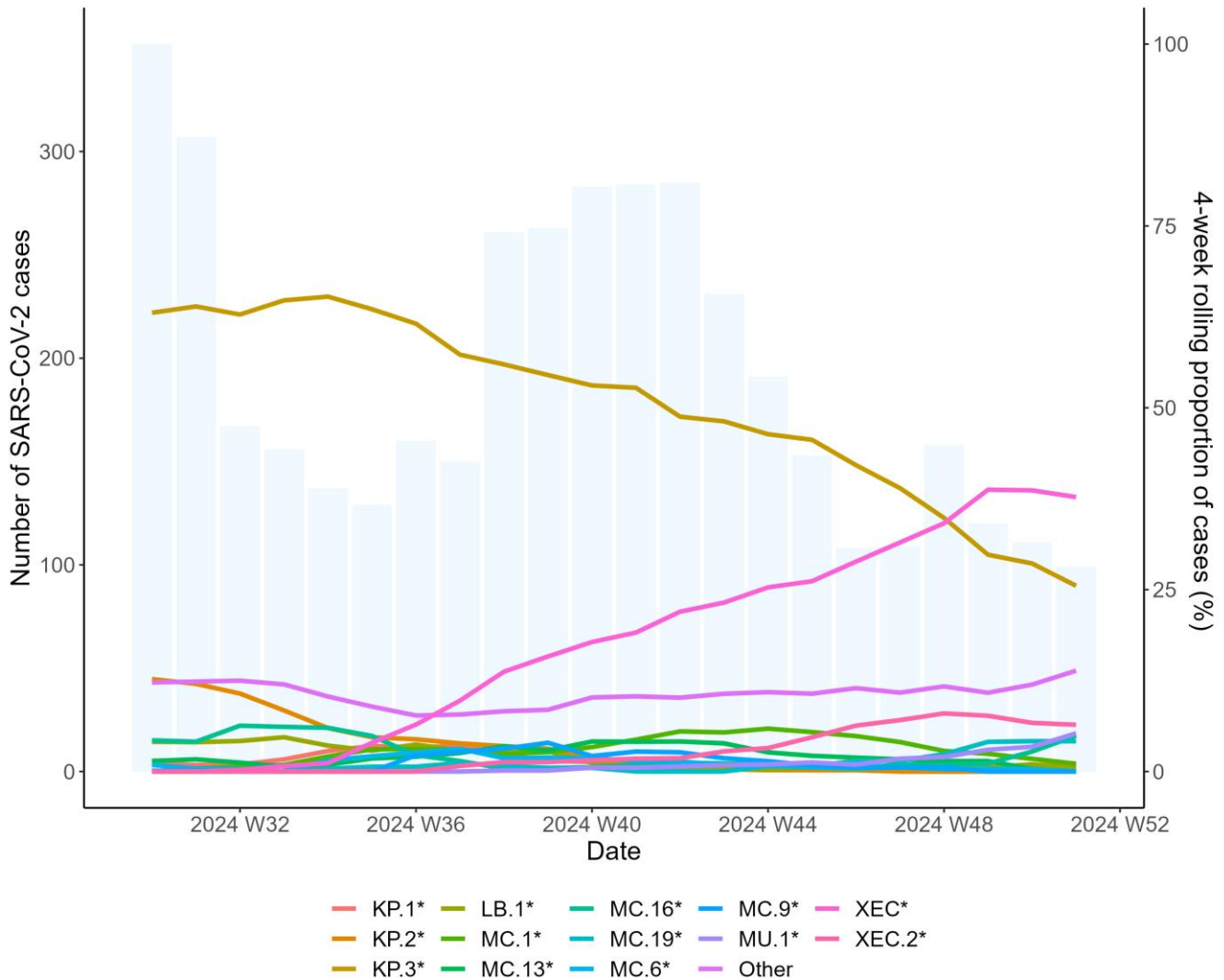
Data correct as of 20/01/2025



## SARS-CoV-2 Variant surveillance

- Pango group XEC\* is the most frequently detected variant in Wales currently, accounting for 38.3% of sequenced cases in the previous six weeks.

**Figure 6.3.** Weekly number of SARS-CoV-2 cases (bars) and the 4-week rolling average proportion of sequenced cases attributed to each Pango lineage group (lines) from residents in Wales for the past six months (2024 W8 to 2024 W02).



For detailed information on genomic surveillance of SARS-CoV-2 in Wales, please see: <https://public.tableau.com/app/profile/public.health.wales.health.protection/viz/COVID-19genomicsurveillance/Summary>

## 7. International Summary

### Influenza activity – UK and international summary

- As of Week 02, GP ILI consultations increased to 23.1 per 100,000 in England, decreased in Northern Ireland to 32.9 per 100,000 and decreased to 20.6 per 100,000 in Scotland.
- During Week 02, 7,916 samples testing positive for influenza were reported in England of which 1,332 were positive for influenza (639 influenza A (not subtyped), 52 influenza A (H3N2), 525 influenza A (H1N1)pdm09, and 119 influenza B). Overall influenza positivity decreased to 16.8% in England, decreased to 20.0% in Northern Ireland and decreased to 30.4% in Scotland. UK summary data are available from the [UKHSA Influenza and COVID-19 Surveillance Report, Respiratory surveillance report | HSC Public Health Agency](#) and [COVID-19 & Respiratory Surveillance \(shinyapps.io\)](#)
- The WHO and the European Centre for Disease Prevention and Control (ECDC) reported during Week 02, that influenza positivity is above the 10% positivity epidemic threshold at 36%. Of the 38 countries and areas reporting on influenza intensity, 22 reported medium intensity or higher. Of the 37 countries and areas reporting on geographic spread of influenza viruses within a country or area, 30 reported widespread or regional distribution. There were 1,616 confirmed influenza virus infection detections reported from sentinel primary care. **Source:** European Respiratory Virus Surveillance Summary (ERVISS): <https://erviss.org/>
- In the Northern hemisphere, elevated influenza activity was observed across multiple regions including Europe (predominantly A(H1N1)pdm09, with A(H3N2) and B viruses also present), Central America and Caribbean (mainly A(H3N2)), Western Africa (mixed virus circulation), Middle Africa (primarily A(H1N1)pdm09), Northern Africa (mainly A(H3N2)), and Asia (primarily A(H1N1)pdm09, with B viruses co-circulating in Western Asia).
- In the Southern hemisphere, elevated levels were reported in Tropical South America (predominantly B viruses), with increased activity noted in Eastern Africa (mainly B viruses) and Melanesia (primarily A(H1N1)pdm09). **Source:** WHO influenza update: <https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates/current-influenza-update>
- Based on FluNet reporting (as of 13/01/2024), during Week 01, globally there were 8,302 A(H1N1), 117 A(H3), 21,788 A(not subtyped), 88 influenza B (Victoria) and 50 influenza B(lineage not determined) **Source:** [Flu Net: flunetchart](#)

### Update on influenza activity in North America

- The USA Centers for Disease Control and Prevention (CDC) report that influenza activity levels remain elevated during Week 02 (ending 11/01/2025). Nationally, 21,655 (18.8%) out of 115,267 specimens have tested positive for influenza in clinical laboratories nationwide, of these positive samples, 21,039 (97.2%) were influenza A and 616 (2.8%) were influenza B. Further characterisation has been carried out on 2,707 specimens by public health laboratories, and 1,440 samples tested positive for influenza; 621 influenza A(H1N1)pdm09, 818 influenza A(H3N2), 279 influenza A(not subtyped), one influenza H5, and 35 influenza B. **Source:** CDC Weekly US Influenza Surveillance Report: [FluView | FluView | CDC](#)
- The Public Health Agency of Canada reported that during Week 02, influenza activity remained stable. During Week 02, 4,864 influenza detections were reported: 4,699 influenza A and 165 influenza B. **Source:** <https://health-infobase.canada.ca/respiratory-virus-surveillance/>

## Respiratory syncytial virus (RSV) in North America

The USA CDC reported that the RSV positivity rate decreased in Week 02.

**Source:** CDC RSV national trends: [National Respiratory and Enteric Virus Surveillance System | CDC](#)

## Middle East respiratory syndrome coronavirus (MERS-CoV) – latest update from WHO and ECDC

- WHO was notified of one new MERS cases on 5 September 2024 by the Ministry of Health of the Kingdom of Saudi Arabia.
- As of 8 January 2025, Saudi Arabia reported 5 MERS-CoV cases with onset in 2024, including 4 deaths. WHO Global Alert and Response website: <https://www.who.int/emergencies/disease-outbreak-news>
- Rapid risk assessments of the situation from ECDC, which contain epidemiological updates and advice for travellers and healthcare workers, are available from: <https://ecdc.europa.eu/en/middle-east-respiratory-syndrome-coronavirus>
- Further updates and advice for healthcare workers and travellers are available from WHO: <http://www.who.int/emergencies/mers-cov/en/> and from NaTHNaC: <https://travelhealthpro.org.uk/news/237/mers-cov-update-travelhealthpro-country-pages>

## Human infection with avian influenza A

- The WHO has published an updated assessment of recent influenza A(H5N1) virus events in animals and people. Currently, the global public health risk of influenza A(H5N1) viruses to be low, while the risk of infection for occupationally exposed persons is low to moderate, depending on the risk mitigation measures in place. Transmission between animals continues to occur and, to date, a growing yet still limited number of human infections are being reported. 20 December 2024:  
Other updates on zoonotic influenza infections and risks to humans are available from the WHO Global Alert & Response website: <https://www.who.int/emergencies/disease-outbreak-news>

## 8. Notes on interpretation

**Hospital/critical care (CC) admission:** A hospital/CC admission that involves a minimum of 1 overnight stay. N.B. Transfers to another hospitals within the same health board (HB) are counted as the same continuous inpatient stay.

**ARI hospital/CC admission:** A hospital/CC admission where the patient tested positive for an ARI infection in the community within 28 days prior to the admission date or in hospital up to 2 days after admission (where the date of admission is day 1).

**Hospital/CC inpatient (IP):** A patient admitted to hospital/CC on or before the specified date, with a minimum of 1 overnight stay who had not been discharged from hospital/CC by 23:59 of the specified date.

**ARI hospital/CC IP:** A hospital/CC IP who tested positive for an ARI in hospital or in the community within the previous 28 days. Hospital acquired (HA): An IP whose first positive ARI test was taken in hospital more than 7 days after admission for COVID-19 or more than 3 days after admission for Influenza and RSV.

## 9. Statement of voluntary application of the Code of Practice for Statistics

The Communicable Disease Surveillance Centre in Public Health Wales publishes a weekly integrated respiratory infection summary. This report highlights the latest available information from a number of Public Health Wales surveillance schemes, reports and other sources on Acute Respiratory Infections (ARI) in Wales.

Our publications are categorised as management information and this statement outlines the steps taken towards voluntary adoption of the Code of Practice for Statistics to ensure that our publications are high quality, useful for supporting decisions and well-respected. The code is built around 3 pillars:

- **Trustworthiness:** confidence in the people and organisations that produce statistics and data
- **Quality:** data and methods that produce assured statistics
- **Value:** publishing statistics that support society's needs for information

### Trustworthiness

This report (and the underlying analysis) has been developed by a team of epidemiologists and analysts under the guidance of senior scientists and consultants. We work as part of a wider integrated respiratory surveillance group, which brings together expertise in virology, epidemiology, genomics and surveillance. Key information summarised in this surveillance report is routinely shared with UK Health Security Agency (UKHSA), World Health Organisation (WHO) and other international networks to enable international surveillance and epidemiological studies. Appropriate disclosure control methods have been considered and applied.

The report is published on a weekly basis during winter period between week 40 (October) and 20 (May) of the following year and on a fortnightly basis during the summer period. Where there are interruptions to data flows, or other technical issues affecting the production of elements of the report, we highlight in the text as appropriate. Where there are unplanned delays to publication we inform our stakeholders. We highlight key changes in the report when necessary.

### Quality

We are continuously seeking to improve the quality of our surveillance. Where possible, ARI surveillance schemes in Wales follow, or are working towards following, good practice recommendations and international guidance (e.g. the [WHO MOSAIC framework](#), using professional judgement. The surveillance team routinely consults with other UK teams and international specialists. Where there are limitations in data or interpreting data, we try to specify and continue work to address them.

### Value

This information contributes to many areas, including response to health threats, public health interventions, healthcare planning and research. There are also society benefits from making this information available, supporting transparency and providing timely access for the scientific community, public health specialists and the public. This in turn reduces the onus on our stakeholders to request information, releasing capacity or further development of our outputs. We aim to present epidemiological and virological data in meaningful and accessible ways to help meet the needs of different audiences. However, we aspire to improve in this, with improved understanding of user-needs. We have also included links to other related reports and resources to avoid duplication of data presentation.

## 10. Links to surveillance reports from other countries

Public Health Wales influenza surveillance webpage: <https://phw.nhs.wales/topics/immunisation-and-vaccines/flu vaccine/weekly-influenza-and-acute-respiratory-infection-report/>

Public Health Wales COVID-19 data dashboard: <https://phw.nhs.wales/topics/latest-information-on-novel-coronavirus-covid-19/>

Public Health Wales interactive report on hospitalisations in influenza and RSV cases: <https://public.tableau.com/app/profile/public.health.wales.health.protection/viz/ARI-Hospitaladmissionsdashboard/ARIHospitaladmissionsdashboard?publish=yes>

NICE influenza antiviral usage guidance: <http://www.nice.org.uk/Guidance/TA158>

England influenza and COVID-19 surveillance: National flu and COVID-19 surveillance reports: 2024 to 2025 season - GOV.UK ([www.gov.uk](http://www.gov.uk))

Scotland seasonal respiratory surveillance: Publications - Public Health Scotland

Northern Ireland influenza surveillance: <https://www.publichealth.hscni.net/directorate-public-health/health-protection/seasonal-influenza>

European Centre for Communicable Disease: <http://ecdc.europa.eu/>

European influenza information: <http://flunewseurope.org/>

Advice on influenza immunisation <https://phw.nhs.wales/topics/immunisation-and-vaccines/flu vaccine/>

Advice on influenza immunisation (for intranet users) Influenza ([sharepoint.com](http://sharepoint.com))

For further information on this report, please email Public Health Wales using: [surveillance.requests@wales.nhs.uk](mailto:surveillance.requests@wales.nhs.uk)