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# Weekly Acute Respiratory Infection Report

Public Health Wales

Communicable Disease Surveillance Centre

Report week: 43 (ending 27 October 2024)

## Headline

- Respiratory Syncytial Virus (RSV) is circulating, activity is increasing and currently at High intensity.
- COVID-19 case numbers have decreased in recent weeks, but remain elevated.
- Influenza is not currently circulating, case numbers increased in the most recent week but remain at baseline levels.
- GP consultations for acute respiratory infections have increased in recent weeks, especially in those aged 0 to 5 years.
- According to EuroMoMo methods, 'no excess' was reported in all-cause mortality in the most recent week (Week 42).

## 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.



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## 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 acute respiratory infection (ARI) is variable.</p> <p>Consultations with sentinel GPs for acute respiratory infection (ARI) increased compared to last week.</p>	<p>Admissions in patients testing positive for influenza, COVID-19 or RSV are low in the most recent weeks (2% of total admissions) and remained stable compared to the previous week.</p>
<b>Influenza</b>	<p>Influenza is not currently circulating.</p> <p>The overall proportion of samples testing positive remained low and in the most recent week but increased to 4.2%.</p> <p>Consultations for influenza-like illness (ILI) with sentinel GPs increased compared to the previous week but remain below the baseline thresholds. Four cases of influenza were confirmed from symptomatic sentinel GP network patients last week.</p>	<p>The number of confirmed cases of community acquired influenza admitted to hospital increased to 18 in the most recent week.</p> <p>In the most recent week, there were 23 in-patient cases of confirmed influenza, 1 of whom were in critical care.</p>
<b>Influenza type breakdown</b>	<p><b>Since 2024 Week 40:</b> 156 total influenza cases confirmed (21 influenza A(H3N2), 18 influenza A(H1N1)pdm09, 95 influenza A untyped and 22 influenza B).</p> <p><b>In the most recent week:</b> 6 confirmed cases of influenza A(H3N2), 9 cases of influenza A(H1N1)pdm09, 32 influenza A untyped and 5 influenza B)</p>	
<b>COVID-19</b>	<p>The overall proportion of samples testing positive decreased to 12% in hospital and non-sentinel GP practices.</p> <p>Consultations with sentinel GPs for ARI increased in the most recent week.</p> <p>Confirmed cases of COVID-19 in sentinel GP patients decreased.</p>	<p>The number of confirmed cases of community acquired COVID-19 admitted to hospital decreased to 67 in the most recent week.</p> <p>In the most recent week, there were 436 in-patient cases of confirmed COVID-19, 7 of whom were in critical care</p>
<b>RSV</b>	<p>RSV is circulating, with activity at high levels in children aged up to 5y.</p> <p>Incidence per 100,000 population in children aged up to 5y increased to 70.0 in the most recent week.</p>	<p>The number of confirmed cases of community acquired RSV admitted to hospital increased to 50 in the most recent week.</p> <p>In the most recent week, there were 37 in-patient cases of confirmed RSV, one of whom were in critical care.</p>
<b>Other respiratory pathogens</b>	<p>Detections of COVID-19 rhinovirus, adenovirus, parainfluenza, and enterovirus have increase in recent weeks.</p> <p>Confirmed cases and test positivity of <i>Mycoplasma pneumonia</i> are stable.</p>	



## 1. Community surveillance indicators

### GP Consultations

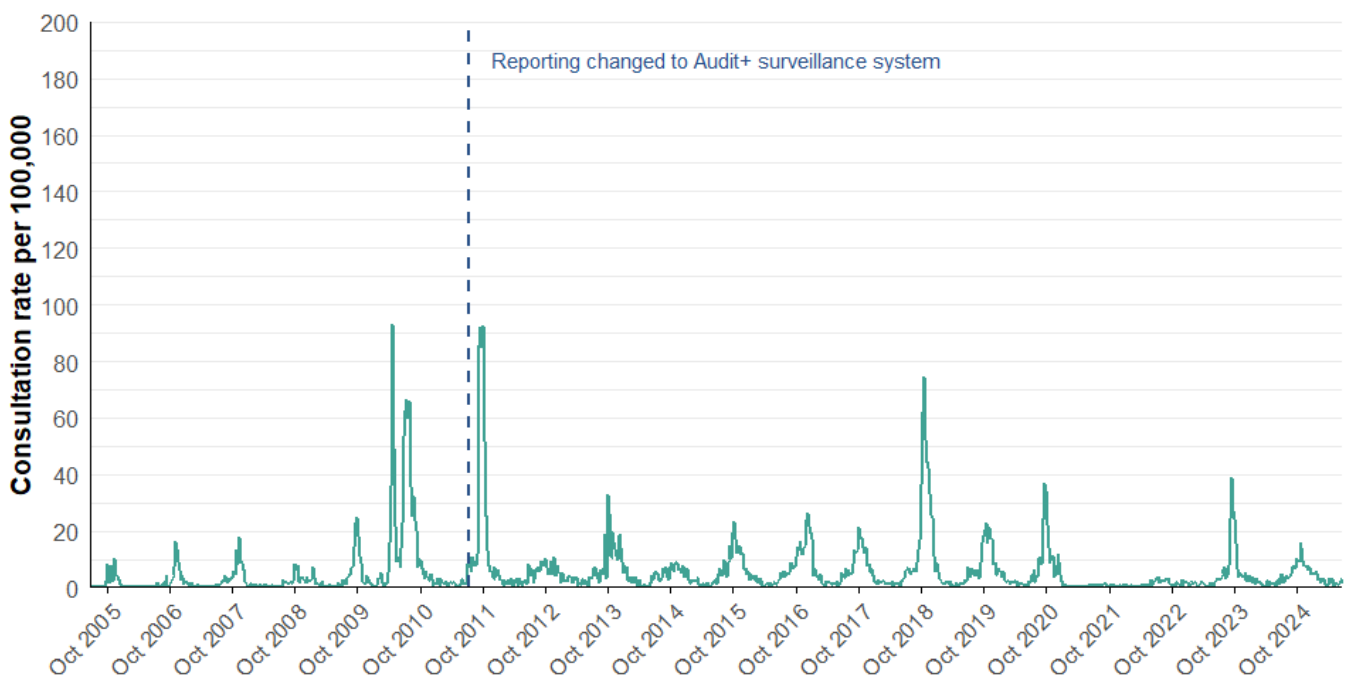
- According to data from the Sentinel GP Network, the sentinel GP consultation rate for influenza-like illness (ILI) is at baseline and the three-week trend is variable (Figures 1.2, 1.3).
- There were 3.7 ILI consultations per 100,000 practice population in the most recent week, an increase compared to the previous week (3.0 consultations per 100,000).
- In the most recent week, using all available data from general practices, there were 17.4 ARI consultations per 100,000 practice population, a decrease from 22.2 in the previous week (Table 1.2). The highest rates were found in people aged under 1 year (766) followed by people aged 1 to 4 (361.4) and people aged 75+ (98.2) (Figure 1.4).
- Surveillance indicators for acute respiratory infections in GP consultation data in Wales are increasing in people aged under 5 years (Figure 1.4).

### Ambulance Calls

- The number of ambulance calls recorded referring to syndromic indicators decreased from 2,154 in the previous week to 1,971 in the latest reporting week (Figure 1.5, Table 1.2).
- Calls for cardiac or respiratory arrest, chest pain, difficulty breathing were stable or decreased compared to the previous week. (figure 1.5, Table 1.2).

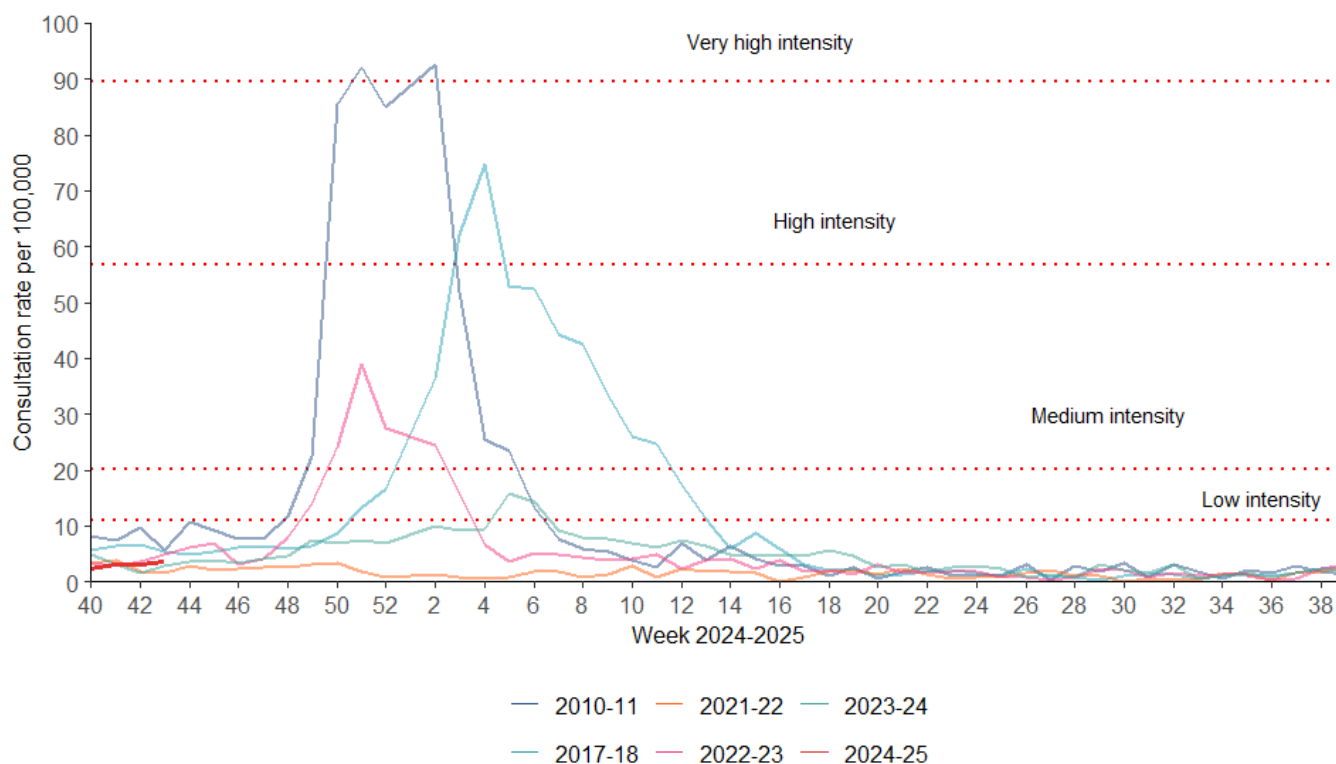
### GP consultations – Sentinel Network

**Figure 1.1.** Sentinel GP network clinical consultation rate for ILI per 100,000 practice population (Week 40 1996 - Week 43, 2024).



Data correct as of 29/10/2024

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



Data correct as of 29/10/2024

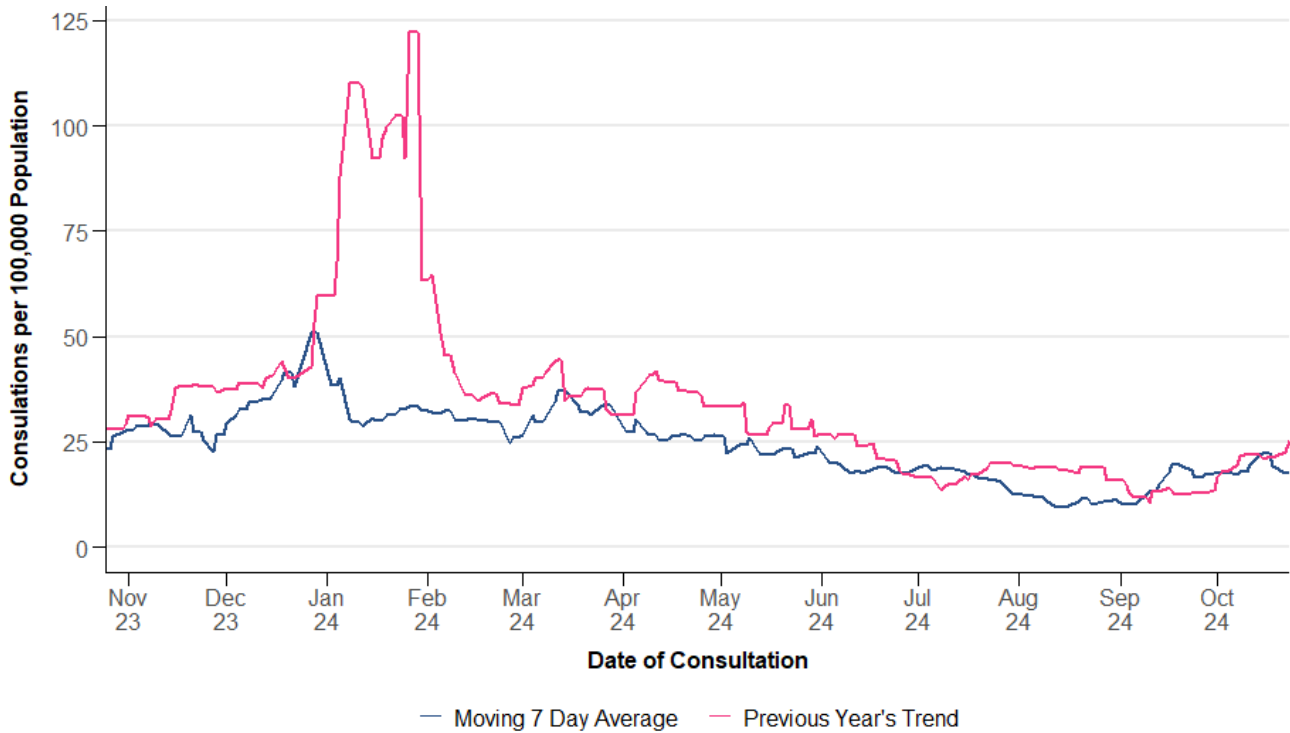
## GP Consultations - All Wales

**Table 1.2.** Summary of GP consultations per 100,000 practice population in Wales, by indicator, for week 43, 2024. 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	17.41	22.25	21.45
COVID-19	30.43	28.68	41.70
LRTI	5.86	8.37	7.65
Pneumonia	0.02	0.06	0.04
Severe asthma	0.96	1.51	1.03
URTI	11.55	14.01	14.30
<b>Total</b>	<b>66.23</b>	<b>74.88</b>	<b>86.17</b>

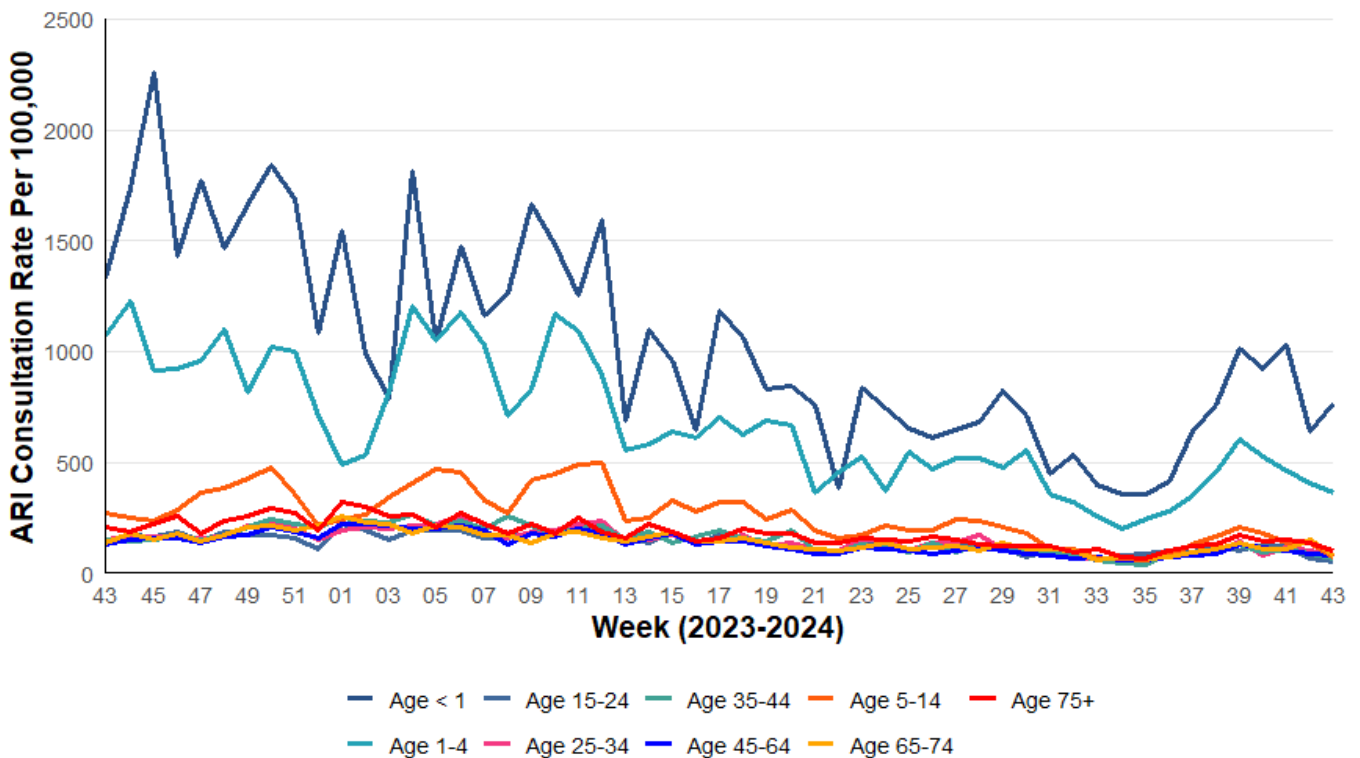
NB: "Current reporting week" refers to the average daily rate in the current reporting week. "Preceding week" refers to the average daily rate in the preceding week. "Equivalent period last year" refers to the average daily rate in the equivalent period last year.

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



Data correct as of 29/10/2024

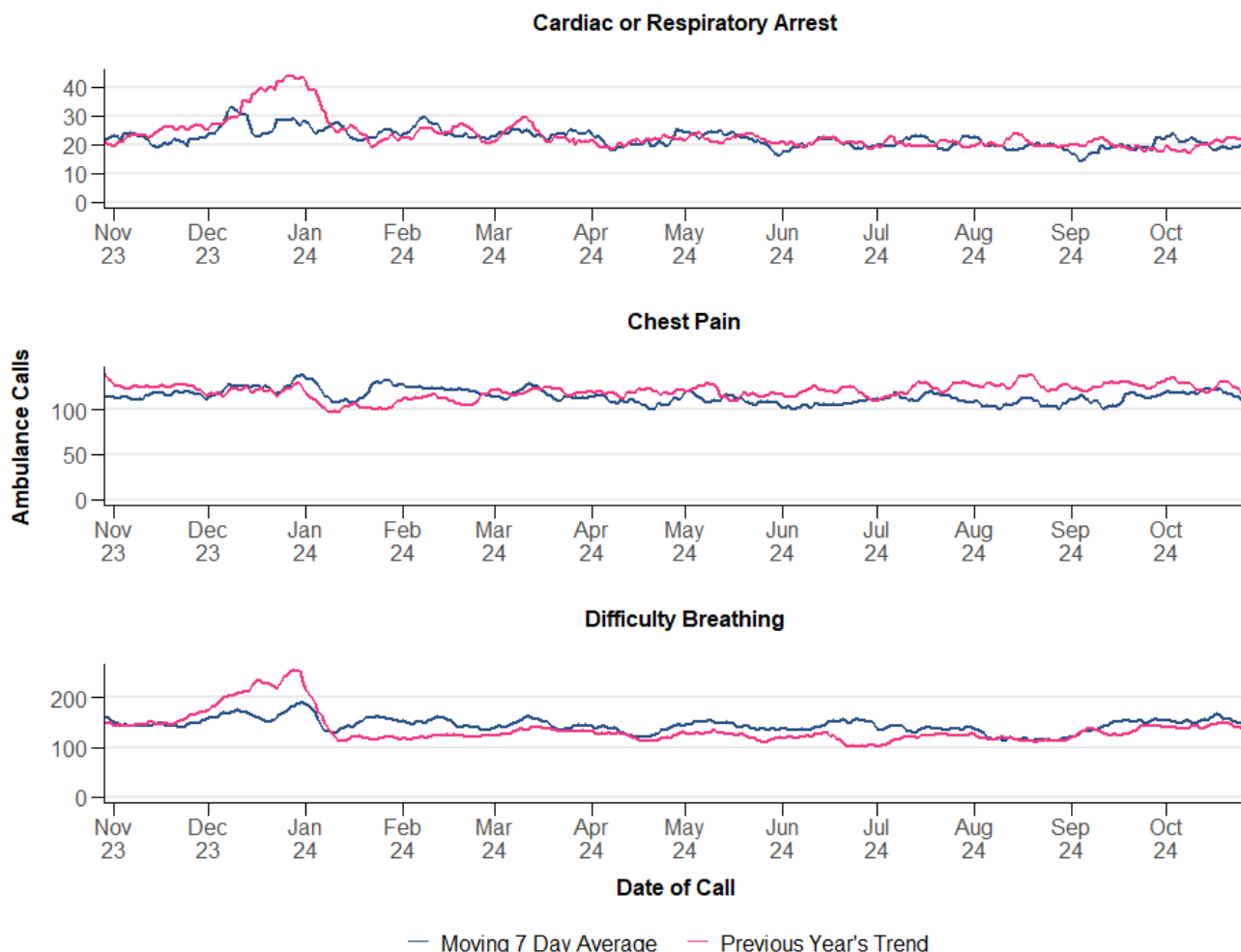
**Figure 1.4.** All Wales clinical consultation rates for Acute Respiratory Infection (ARI) per 100,000 practice population, by age bands.



Data correct as of 29/10/2024

## 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.

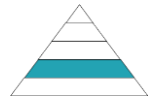


Data correct as of 29/10/2024

**Table 1.2.** Summary of weekly number of Ambulance calls, by symptom in Wales, for week 43, 2024). 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	137	128	147
Chest Pain	793	854	881
Difficulty Breathing	1,041	1,172	1,032
<b>Total</b>	<b>1,971</b>	<b>2,154</b>	<b>2,060</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 143 surveillance samples from patients with ILI symptoms collected by sentinel GPs and community pharmacies during Week 43, 2024, as at 30/10/2024 (Table 2.1, Figure 2.1).
- The most commonly detected pathogens were rhinovirus (32) followed by enterovirus (12) and RSV (9). Of the 143 tests, 49.0% were negative for all respiratory pathogens (Table 2.1, Figure 2.1).

### All Wales Datastore Respiratory Infection Testing

- There were 1,168 samples receiving multiplex respiratory panel testing, collected from patients attending hospitals and non-sentinel GPs during week 43 (Table 2.2, Figure 2.2).
- The most commonly detected pathogens were rhinovirus (169) followed by SARS-CoV2 (COVID-19) (140) and RSV (104). Of the 1168 tests, 55.8% were negative for all respiratory pathogens (Table 2.2, Figure 2.2).

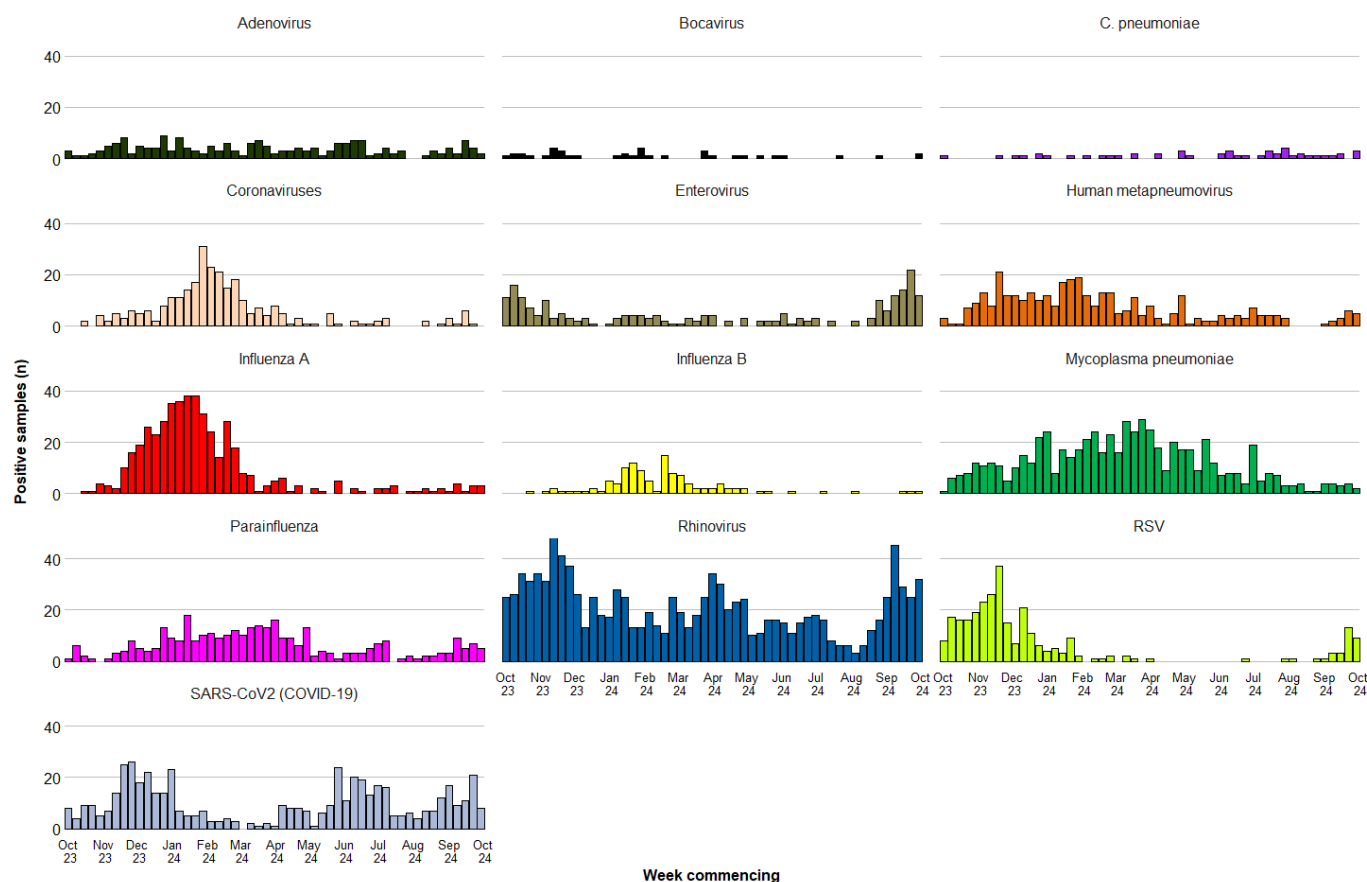
Additionally, during Week 43, 472 samples from patients were tested for influenza, RSV and SARS-CoV-2 only (Figure 2.3). Of these the following tested positive:

- 16 for influenza (15 for influenza A, one for influenza B)
- 94 for SARS-CoV-2 (COVID-19)
- 40 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 43, 2024.

Pathogens Detected	Count (n)	Positivity (current week)	Positivity (previous week)	Trend
Rhinovirus	32	22.4%	17.5%	Increasing
Enterovirus	12	8.4%	15.4%	Decreasing
RSV	9	6.3%	9.1%	Decreasing
SARS-CoV2 (COVID-19)	8	5.6%	14.7%	Decreasing
Parainfluenza	5	3.5%	4.9%	Decreasing
Human metapneumovirus	5	3.5%	4.2%	Stable
Influenza A	3	2.1%	2.1%	Stable
C. pneumoniae	3	2.1%	0.0%	Increasing
Adenovirus	2	1.4%	2.8%	Decreasing
Mycoplasma pneumoniae	2	1.4%	2.8%	Decreasing
Bocavirus	2	1.4%	0.0%	Increasing
Influenza B	1	0.7%	0.7%	Stable
Coronaviruses	0	0.0%	0.7%	Stable

**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 43, 2023 to Week 43, 2024.



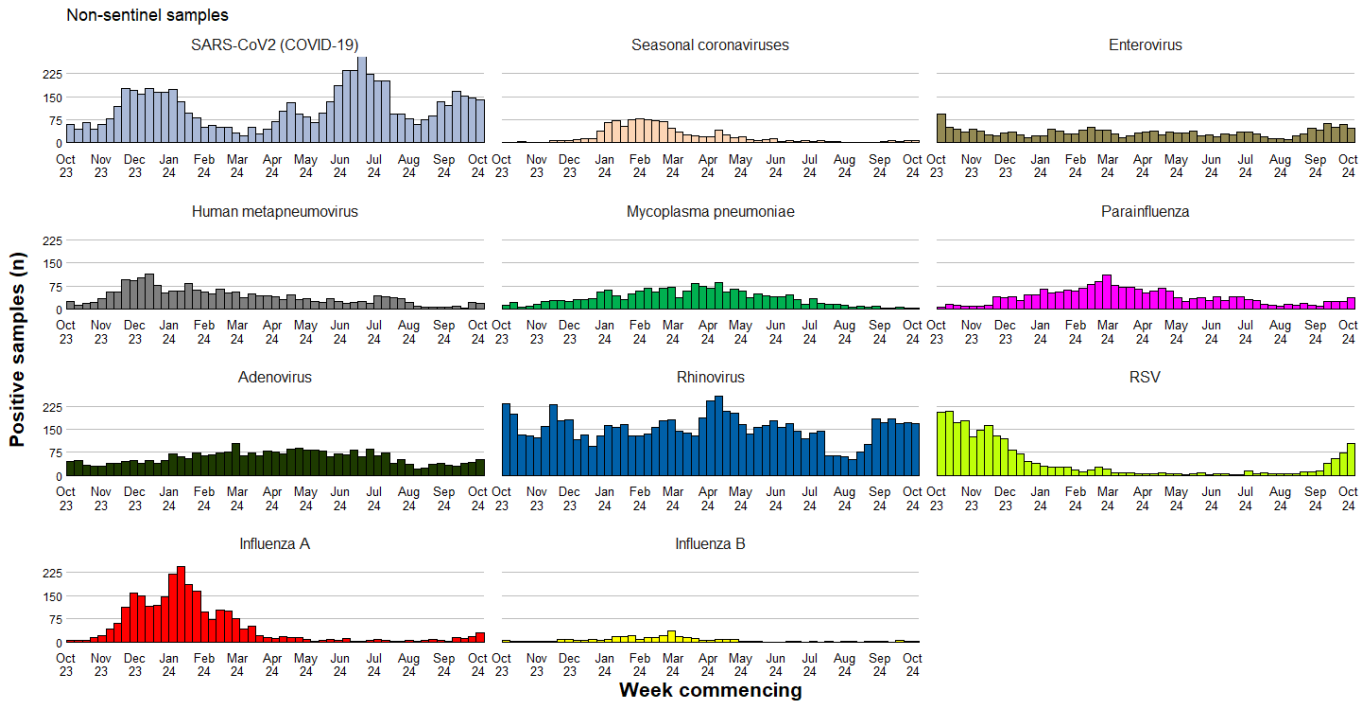
Data correct as of 30/10/2024

## 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 43, 2024.

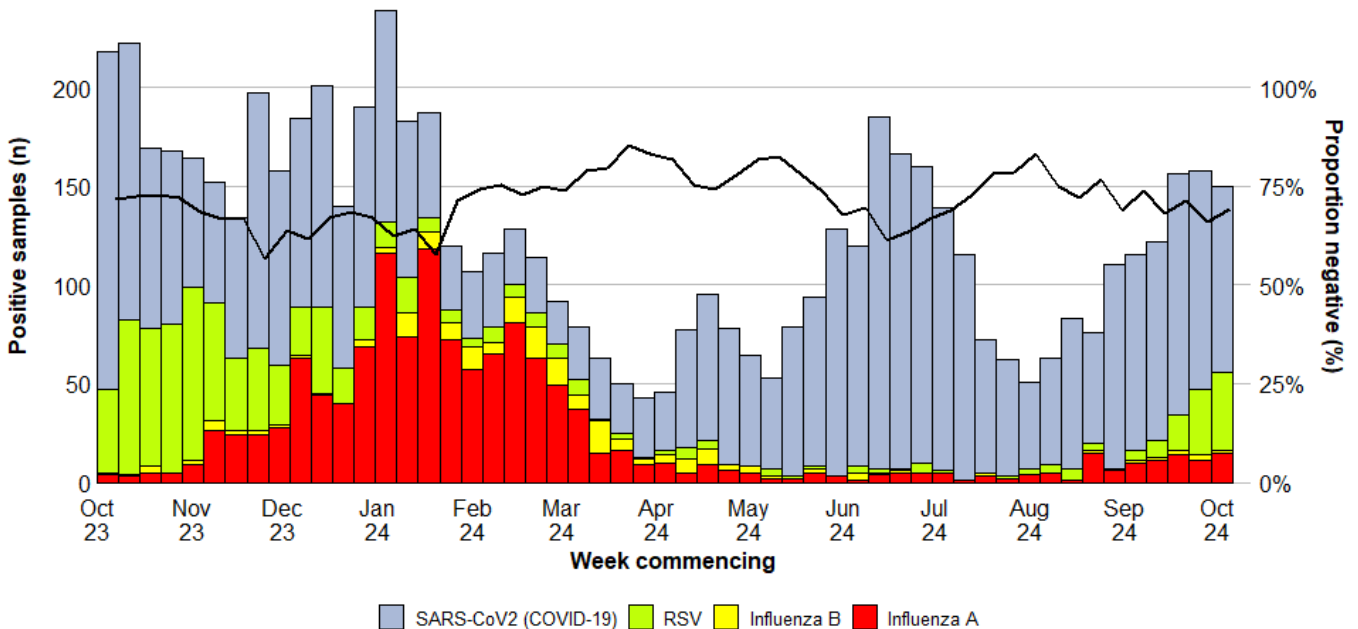
Pathogens Detected	Count (n)	Positivity (current week)	Positivity (previous week)	Trend
Rhinovirus	169	14.5%	13.5%	Stable
SARS-CoV2 (COVID-19)	140	12.0%	11.5%	Stable
RSV	104	8.9%	5.8%	Increasing
Adenovirus	53	4.5%	3.5%	Increasing
Enterovirus	46	3.9%	4.8%	Stable
Parainfluenza	37	3.2%	2.0%	Increasing
Influenza A	29	2.5%	1.4%	Increasing
Human metapneumovirus	18	1.5%	1.8%	Stable
Seasonal coronaviruses	6	0.5%	0.6%	Stable
Influenza B	3	0.3%	0.2%	Stable
Mycoplasma pneumoniae	3	0.3%	0.3%	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 43, 2023 to Week 43, 2024.



Data correct as of 29/10/2024

**Figure 2.3.** Samples from hospital patients submitted for RSV, Influenza and SARS-CoV2 testing only, by week of sample collection, Week 43, 2023 to Week 43, 2024.



Data correct as of 29/10/2024



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

### Sentinel SARI in emergency departments

- During week 42, 2024 there were 101 surveillance samples taken from SARI surveillance sentinel emergency departments. The most common pathogen identified from these samples was Rhinovirus/Enterovirus(19) followed by RSV(16) and SARS-CoV2 (COVID-19)(13). Of the 101 samples collected, 46.5% 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 4% for influenza, 13% for SARS-CoV2 and 16% for RSV.

### Hospital in-patients

- During week ending 27/10/2024 there were 136 patients admitted to hospital with confirmed COVID-19, RSV or influenza, (12 less than the previous week), equating to 2% of all hospital admissions in that reporting week.
- At 23:59 on 27/10/2024, there were 496 patients in hospital with confirmed COVID-19, RSV or influenza, 6 less than the previous Sunday. This equates to 5% of all hospital in-patients (IPs) at that time. Of whom 65% (323) were hospital acquired (HA).

### Critical-care

- During week ending 27/10/2024 there were 6 ARI critical care (CC) admissions, (3 more than the previous week), Equating to 3% of all CC admissions in that reporting week.
- At 23:59 on 27/10/2024, there were 9 patients in CC with confirmed COVID-19, RSV or influenza, 2 more than the previous Sunday. This equates to 6% of all CC in-patients at that time. Of whom 44% (4) were hospital acquired (HA).

### Virological surveillance in ICU

- During week 43, 2024, 75 respiratory samples were tested from patients in intensive care units (ICU). Of these: six tested positive for SARS-CoV2 (COVID-19), zero tested positive for Influenza and zero tested positive for RSV (Figure 3.4).

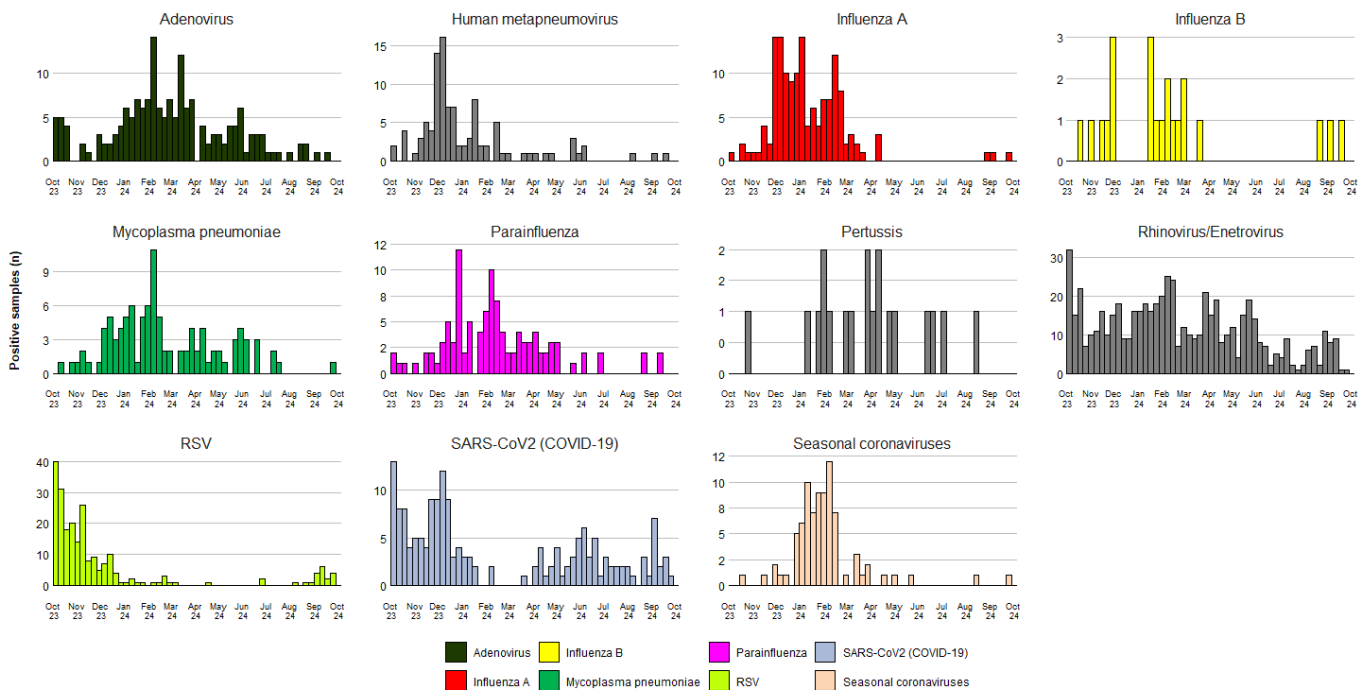
For detailed reports on surveillance of ARI in hospitals, including breakdowns by health board and age-group see: [Hospital admissions dashboard](#)

## 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 42, 2024.

Pathogens Detected	Meeting SARI case definition in the last 4 weeks		Meeting SARI case definition in the last 12 months	
	n	%	n	%
Adenovirus	2	2.0%	172	6.0%
C. pneumoniae	0	0.0%	0	0.0%
Human metapneumovirus	2	2.0%	103	3.6%
Influenza A	2	2.0%	159	5.6%
Influenza B	2	2.0%	22	0.8%
Mycoplasma pneumoniae	1	1.0%	103	3.6%
Parainfluenza	2	2.0%	108	3.8%
Pertussis	0	0.0%	19	0.7%
RSV	16	15.8%	227	8.0%
Rhinovirus/Enterovirus	19	18.8%	597	20.9%
SARS-CoV2 (COVID-19)	13	12.9%	172	6.0%
Seasonal coronaviruses	1	1.0%	87	3.0%
Negative	47	46.5%	1,427	50.0%
<b>Total</b>	<b>101</b>	<b>100%</b>	<b>3,009</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 42, 2024 and previous 12 months.



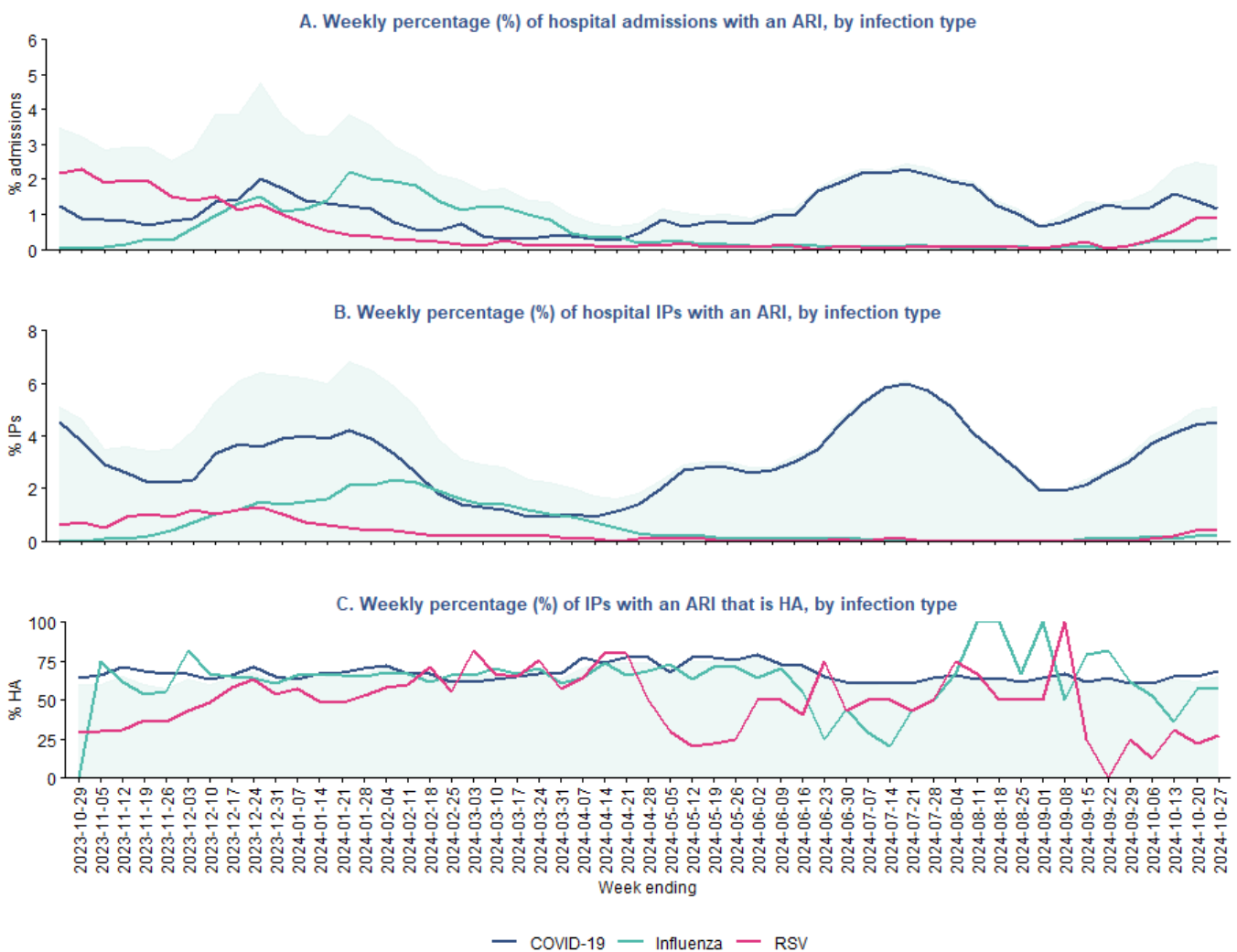
Data correct as of 24/10/2024

## 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>	67	1%	436	4%	69% (300)
<b>Influenza</b>	19	<1%	23	0%	57% (13)
<b>RSV</b>	50	1%	37	0%	27% (10)
<b>ARI total</b>	<b>136</b>	<b>2%</b>	<b>496</b>	<b>5%</b>	<b>65% (323)</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.



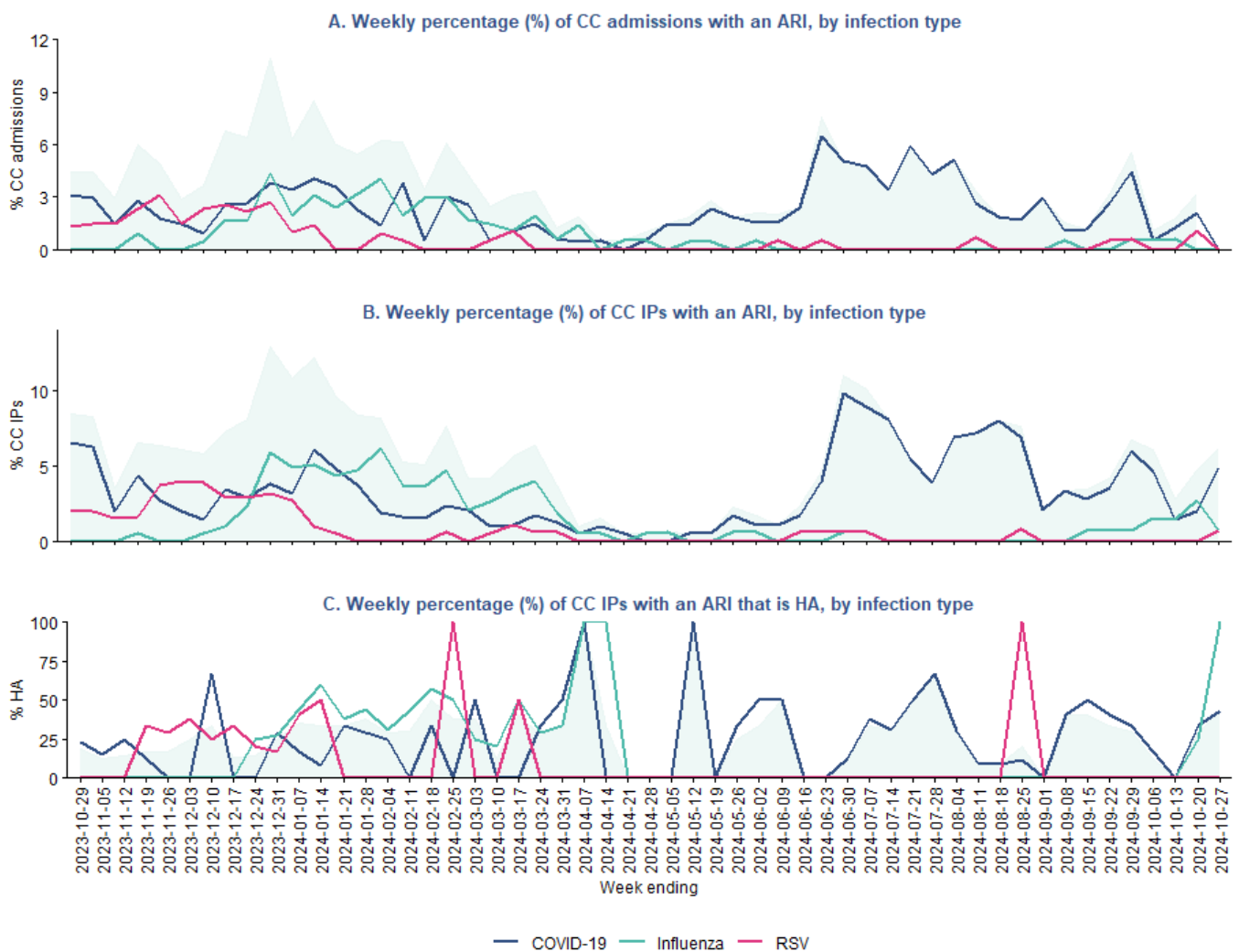
Data as of: 30-10-2024

## 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).

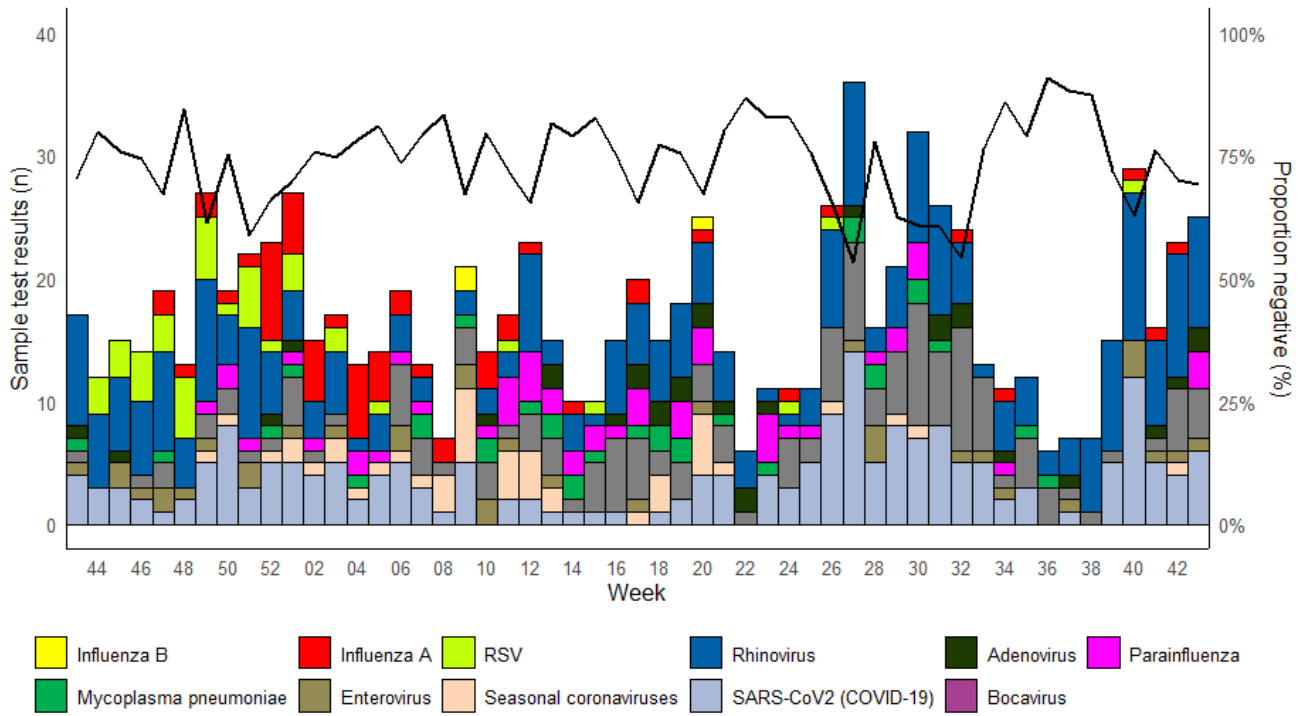
Infection	CC admissions		CC In-patients		
	Count	% of all CC admissions	Count	% of all CC In-patients	% HA (n)
COVID-19	4	2%	7	5%	43% (3)
Influenza	0	0%	1	1%	100% (1)
RSV	2	1%	1	1%	0% (0)
<b>ARI total</b>	<b>6</b>	<b>3%</b>	<b>9</b>	<b>6%</b>	<b>44% (4)</b>

**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: 30-10-2024

**Figure 3.4.** Samples submitted for virological testing from ICU patients, by week of sample collection, Week 43, 2023 to Week 43, 2024. The black line indicates the percentage of samples which tested negative for any of the pathogens listed.



Data correct as of 29/10/2024

## 4. Settings-based surveillance and outbreaks

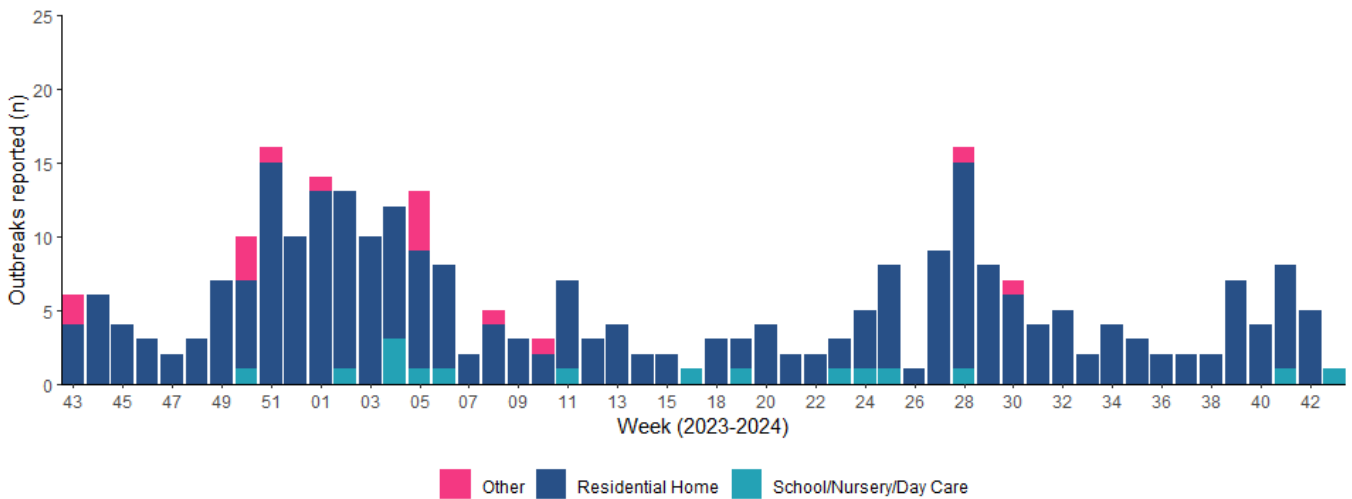
### Acute Respiratory Infection Outbreaks Reported to Public Health Wales Health Protection Team

During week 43, 2024, 1 ARI outbreaks were reported to the Public Health Wales Health Protection Team.

Of these:

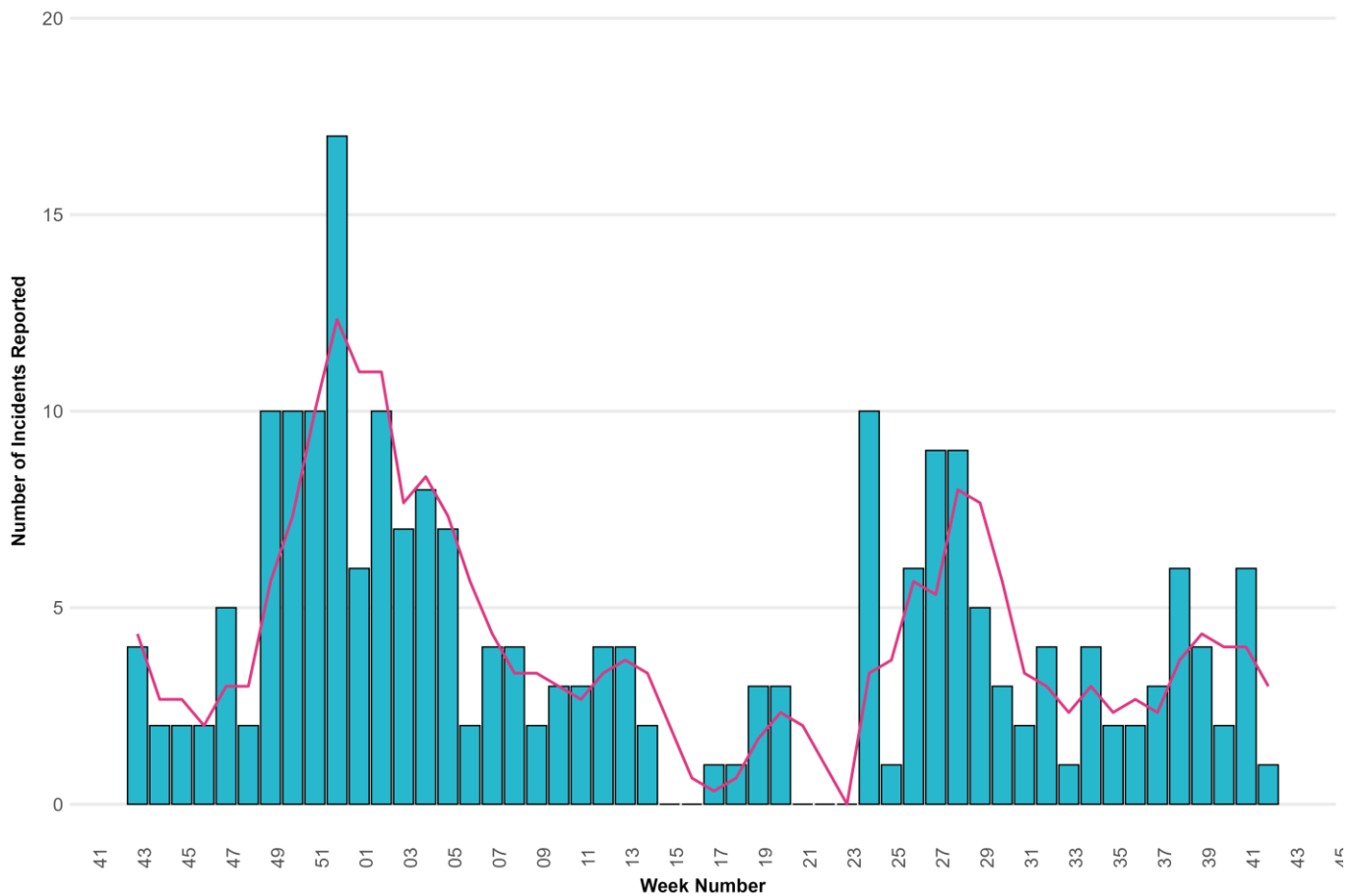
- The incident was RSV
- The incident was in a School/Nursery/Day Care

**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 29/10/2024

**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.



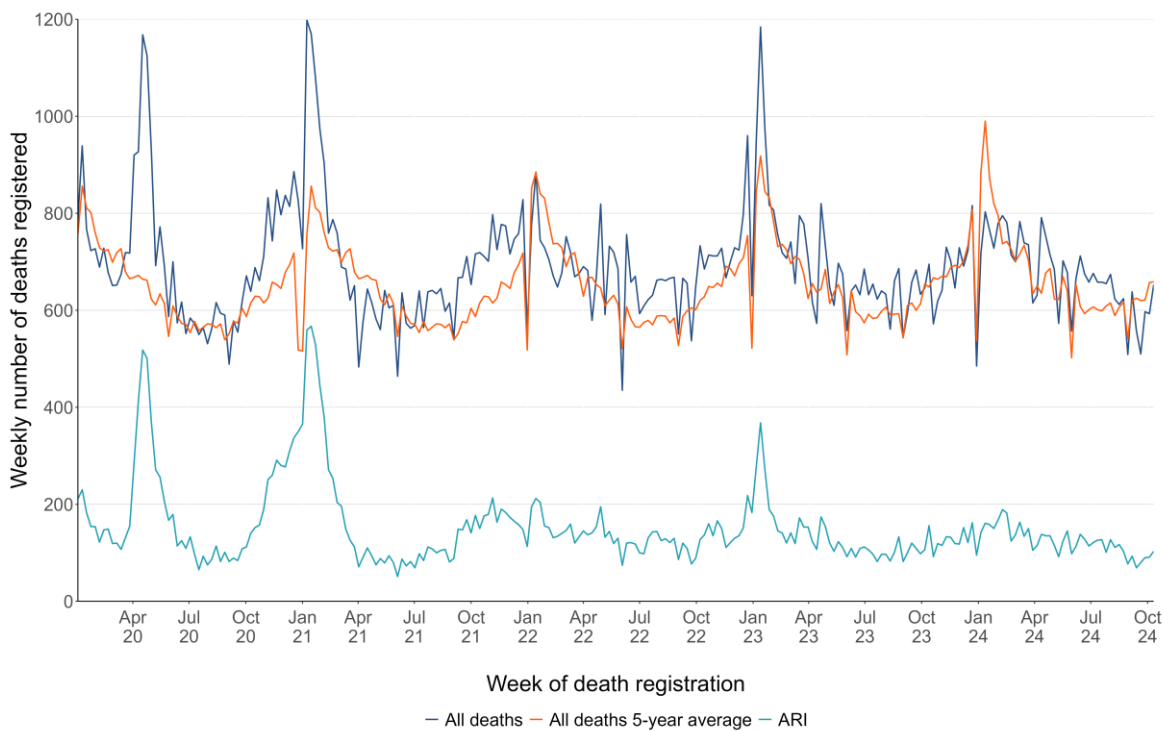
Data as at 2024-10-28



## 5. Mortality surveillance

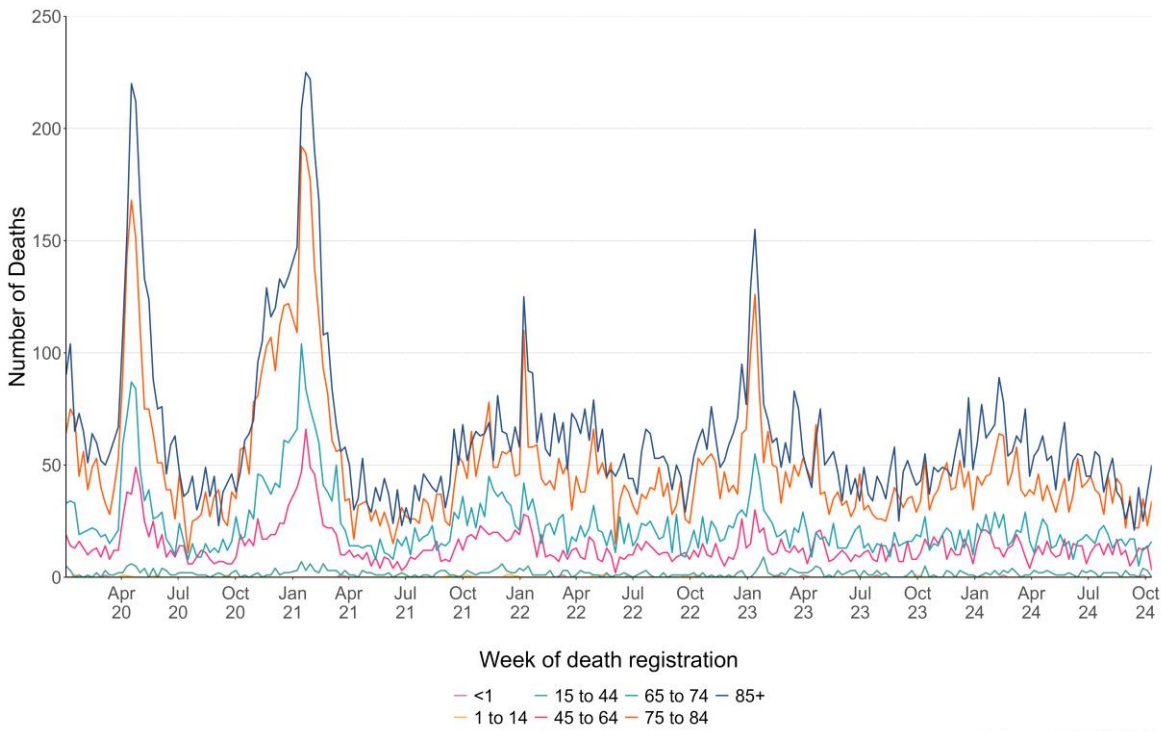
- During week 42, according to European Mortality Monitoring (EuroMoMo) methods, 'no excess' was reported in the weekly number of deaths from all causes in Wales.
- Breakdowns of all-cause and ARI specific mortality, according to data from deaths registrations provided by the Office for National Statistics 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 with caution due to potential reporting delays.
- 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.



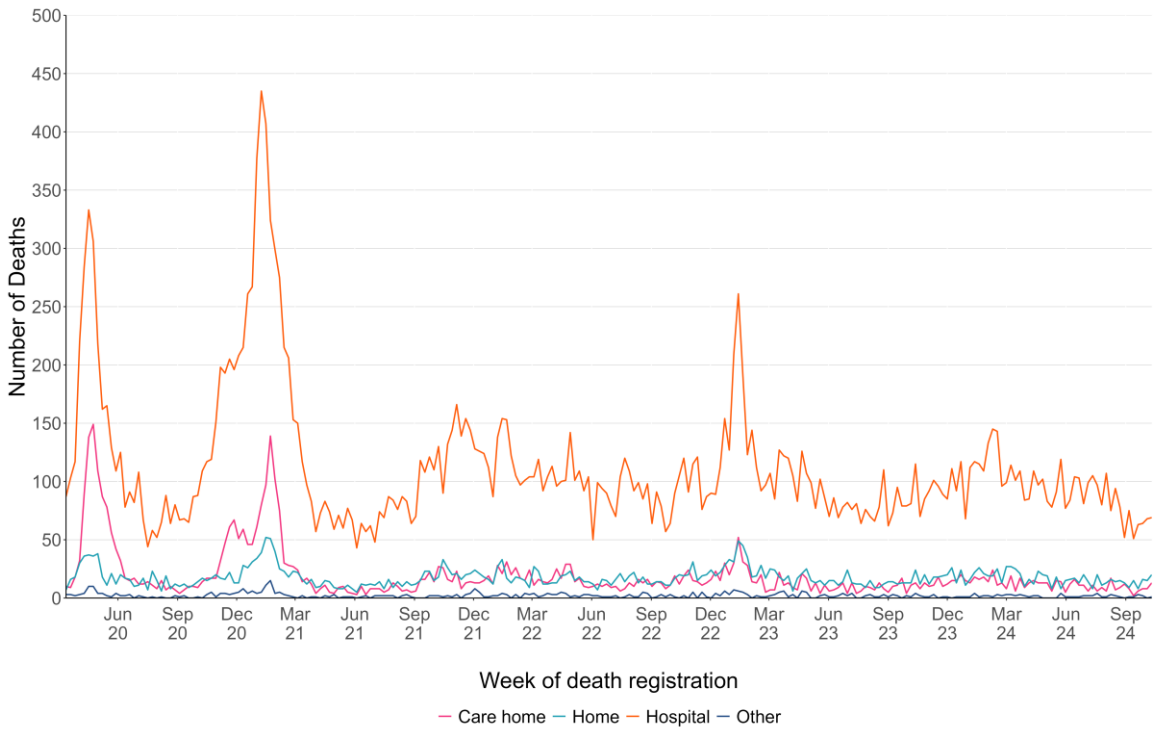
Data as of 29/10/2024

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



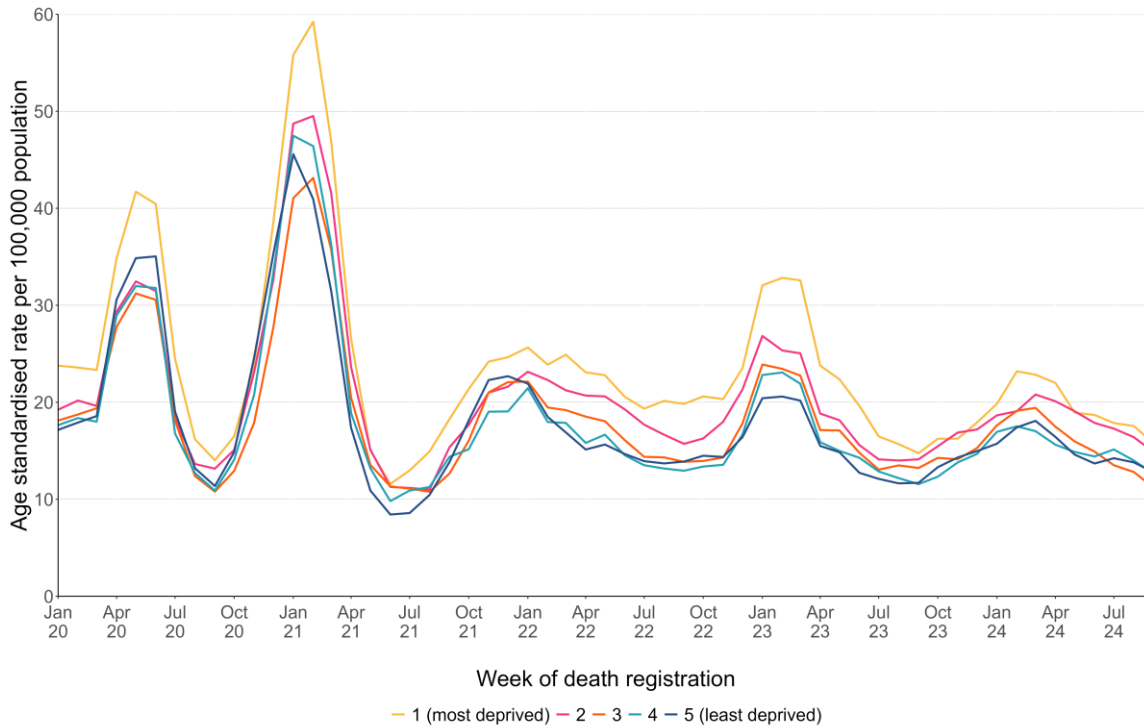
Data as of 29/10/2024

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



Data as of 29/10/2024

**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 29/10/2024

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

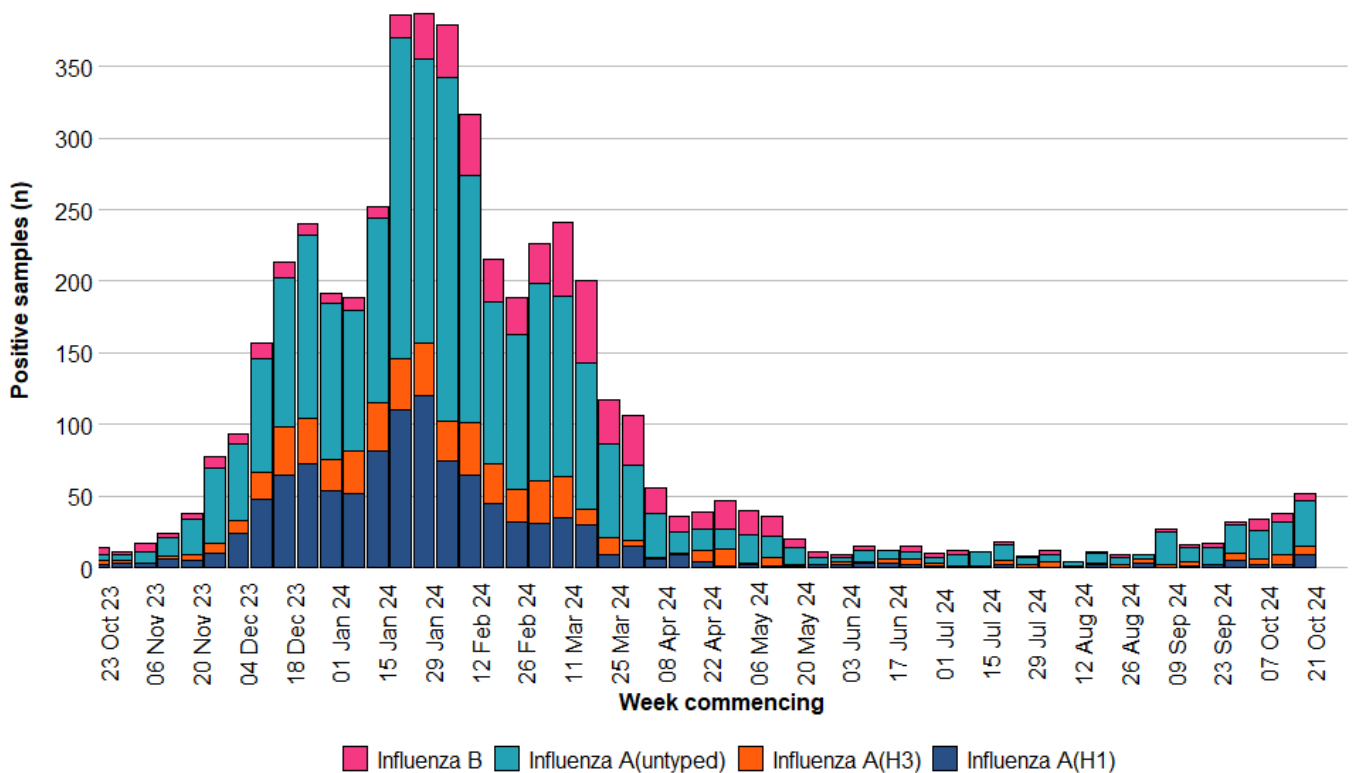


## 6. Pathogen-specific surveillance

### Influenza

- Influenza A(untyped) is the most commonly detected influenza subtype in Wales since week 40 2024 (95 confirmed cases), followed by influenza A(H3N2) (22 confirmed cases) and influenza B (21 confirmed cases). Additionally there were 95 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 43, 2023 to Week 43, 2024.

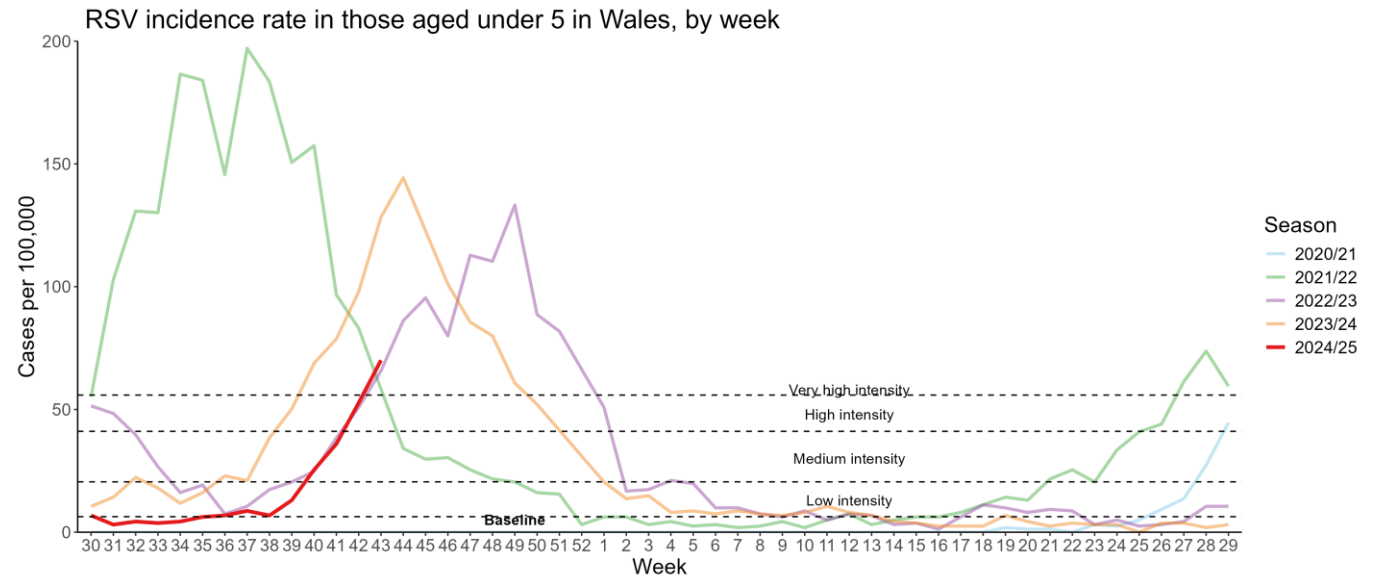


Data correct as of 29/10/2024

## Respiratory Syncytial Virus (RSV)

- RSV incidence per 100,000 population in children aged under five years is currently at very (70.0) intensity levels per 100,000 population during week 43 2024.

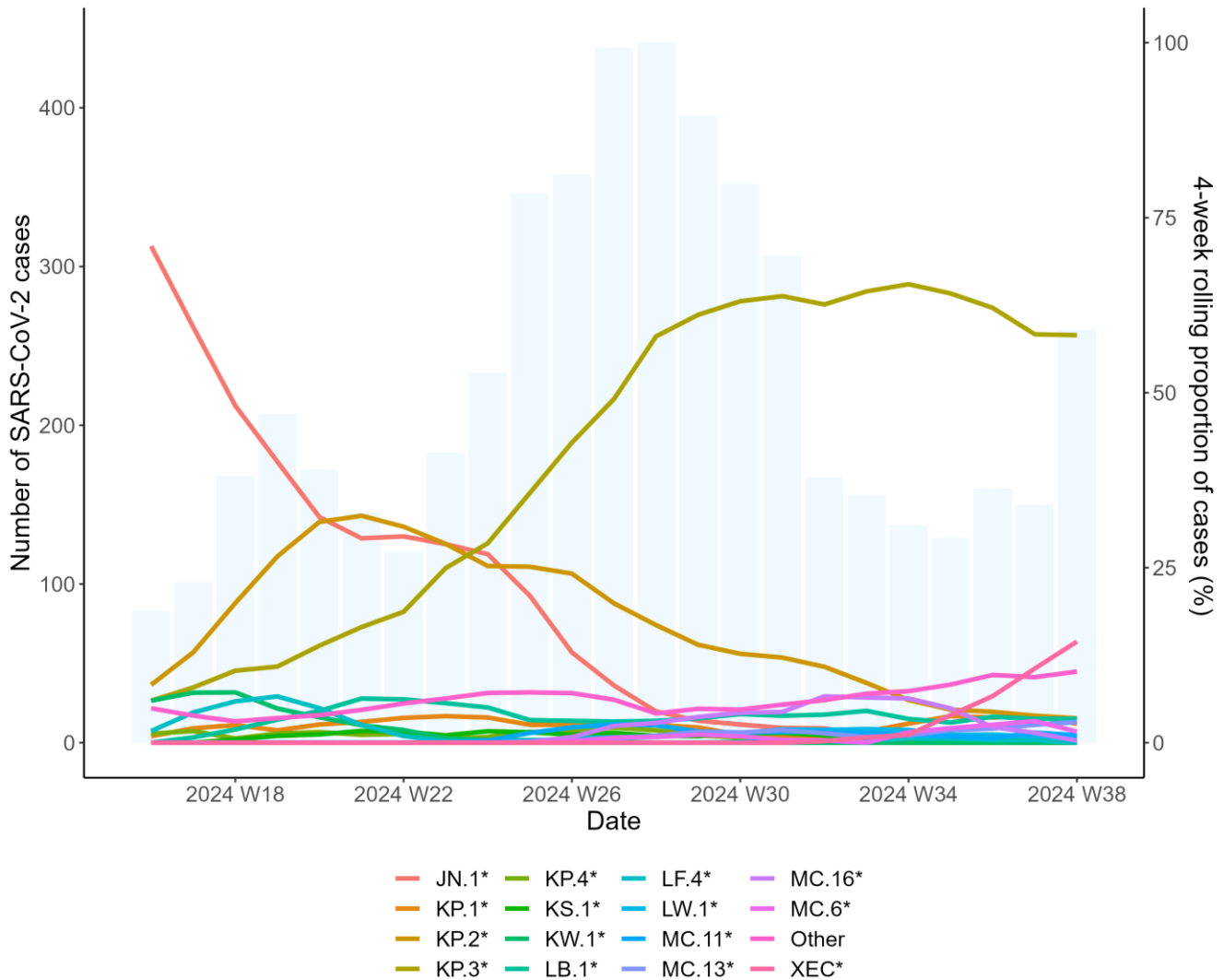
**Figure 6.2.** RSV incidence rate per 100,000 population aged under five years, weeks 30 2020 to week 43 2024.



## SARS-CoV-2 Variant surveillance

- Omicron JN.1 (V-23DEC-01) is the most frequently detected variant in Wales currently, accounting for 97.2% of sequenced cases in the previous four 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 W16 to 2024 W40).



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 42, GP ILI consultations increased to 3.9 per 100,00 in England increased to 3.0 per 100,000 in Scotland.
- During Week 42, 5,059 samples testing positive for influenza were reported in England of which 114 were positive for influenza (64 influenza A(not subtyped), 22 influenza A(H3N2), 24 influenza A(H1N1) and four influenza B. Overall influenza positivity decreased to 2.3% in England in week 42 and decreased to 4.0% in Scotland in week 42.
- UK summary data are available from the [UKHSA Influenza and COVID-19 Surveillance Report and COVID-19 & Respiratory Surveillance \(shinyapps.io\)](#)
- The WHO and the European Centre for Disease Prevention and Control (ECDC) reported during week 42, that influenza positivity is below the 10% positivity epidemic threshold at 2%. Of the 20 countries and areas reporting on influenza intensity, none reported medium intensity or higher. Of the 29 countries and areas reporting on geographic spread of influenza viruses within a country or area, none reported widespread or regional distribution. There were 14 confirmed influenza virus infection detections reported from sentinel primary care. **Source:** European Respiratory Virus Surveillance Summary (ERVISS): <https://erviss.org/>
- The WHO reported on 23/10/2024, based on data up to 06/13/2024 that in the Northern hemisphere influenza activity in temperate countries remained at interepidemic levels. Elevated activity was elevated in some countries in Western Africa (AH3 and Influenza B), Middle Africa (A(H3N2), Western Asia, Southern Asia and South-East Asia (H1N1), Central America and the Caribbean (AH3 viruses). Influenza activity increased in countries in Western and Middle Africa and Central America.
- In the Southern hemisphere, influenza activity remained elevated in some countries in South America (influenza B), Eastern Africa (influenza A and influenza B) and Oceania Melanesia Polynesia (Influenza A). Elevated activity was seen in one country in Oceania Melanesia Polynesia and Eastern Africa. **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 21/06/2024), during the period from 13/05/2024 – 26/05/2024 National Influenza Centres and other national influenza laboratories from 131 countries, areas or territories reported influenza surveillance data. The WHO Global Influenza Surveillance and Response System laboratories tested more than 354,429 specimens during that period, of which 20,741 were positive for influenza viruses, 17,211 (83.0%) were typed as influenza A (of the subtyped influenza A viruses, 6,275 (63.5%) were influenza A(H1N1)pdm09 and 3,604 (36.5%) were influenza A(H3N2). Of the 354,429 samples testing positive for influenza viruses, 3,530 tested positive for Influenza B (17.0%). **Source: Flu Net:** <https://www.who.int/tools/flunet>

### Update on influenza activity in North America

- The USA Centers for Disease Control and Prevention (CDC) report that influenza activity levels were low during week 42 (ending 19/10/2024). Nationally, 436 (0.7%) out of 62,800 specimens have tested positive for influenza in week 42 in clinical laboratories nationwide,

of these positive samples, 386 (88.5%) were influenza A and 50 (11.5%) were influenza B. Further characterisation has been carried out on 794 specimens by public health laboratories, and 97 samples tested positive for influenza; 37 influenza A(H1N1)pdm09, 26 influenza A(H3N2), 31 influenza A(not subtyped) and three influenza B. **Source:** CDC Weekly US Influenza Surveillance Report: [FluView | FluView | CDC](#)

- The Public Health Agency of Canada reported that during week 42, influenza activity remained stable compared to the previous week. During week 42, 125 influenza detections were reported: 112 influenza A and 13 influenza B. The percentage of ILI visits was 2.2%. 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 increased in week 42.

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

## COVID-19 – UK and international summary

- As of 06/10/2024, there were 8.8 new positive PCR episodes per 100,000 population in Wales, for the most recent 7-day reporting period. Latest COVID-19 data from Public Health Wales is available from: <https://phw.nhs.wales/topics/latest-information-on-novel-coronavirus-covid-19/>
- The latest UKHSA COVID-19 data summary is available from: <https://coronavirus.data.gov.uk/>
- WHO situation updates on COVID-19 are available from: <https://covid19.who.int/>

## 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.
- Since the beginning of the year, five cases including four deaths have been reported from KSA. 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 limited number of human infections have been reported. 14 August 2024: [https://www.who.int/publications/m/item/updated-joint-fao-who-woah-assessment-of-recent-influenza-a\(h5n1\)-virus-events-in-animals-and-people](https://www.who.int/publications/m/item/updated-joint-fao-who-woah-assessment-of-recent-influenza-a(h5n1)-virus-events-in-animals-and-people)



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)