

MMWR Week 52 (12/21/2025-12/27/2025)



## INFECTIOUS DISEASE EPIDEMIOLOGY

# Influenza Report

2025 - 2026 Influenza Season

MMWR Week 52 (12/21/25-12/27/25)

*Updated January 5, 2026*



Wyoming  
Department  
of Health



PUBLIC  
HEALTH  
DIVISION

# Overview (MMWR Week 52)

## Influenza and Influenza-like Illness (ILI) Activity

Spread	Flu Activity	ILI Activity
<b>Regional</b> Transmission levels continue to increase across the state	<b>High</b> Reported influenza activity is increasing across the state	<b>High</b> Reports of outpatient respiratory illnesses continue to increase
<b>Co-circulating</b> <b>Other Respiratory Infections:</b> SARS-CoV-2, Pertussis, and low levels of RSV	<b>Seasonal Data</b> <b>Types of Flu:</b> Influenza A and B viruses are circulating	<b>Subtypes</b> <b>Primary: A H3N2</b> Predominately H3N2 viruses were reported across the country this week
<b>Outbreaks</b> <b>2</b> Two LTCF influenza outbreaks were reported this week in Park County	<b>Severity</b> <b>Hospitalizations</b> The number and weekly rate of hospital admissions are increasing across the country	<b>Deaths</b> <b>9</b> No locally reported pediatric deaths; nine pediatric deaths have been reported across the country so far this season
<b>Syndromic</b> <b>18</b> Eighteen syndromic anomalies were reported across the state this week	<b>EMS Reports</b> <b>41</b> The number of suspected ILI reports increased substantially compared to last week	<b>Hot Spots</b> <b>Tracking Trends</b> Many counties continue to report increasing case counts



# Geographic Spread

## Geographic Activity by Regions

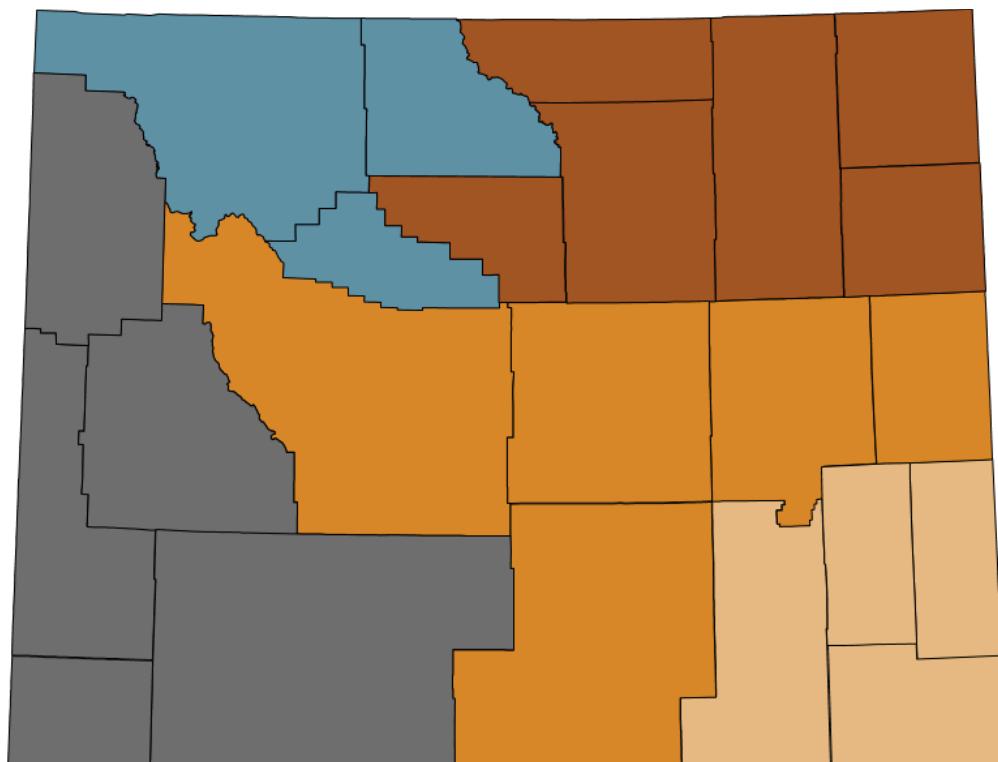
Wyoming as a whole had **high ILI activity** this week (MMWR Week 52).

Transmission levels continue to increase across the state.

- Healthcare providers in **20** counties electronically reported influenza cases.
- The electronically reported influenza cases represent **all five** Infectious Disease Epidemiology (IDE) Geographic Regions.
- Healthcare providers across the state electronically reported **426** influenza cases (rapid influenza diagnostic tests and PCR confirmed tests) this week.

## IDE Geographic Regions of Wyoming

Southeast	Central	Western	Big Horn	North East
Widespread, cases reported in every county	Local, cases reported in Fremont, Natrona, and Converse	Regional, cases reported in every county	Regional, cases reported in every county	Local, cases reported in every county besides Johnson



# Virologic Surveillance

## Public Health Laboratory

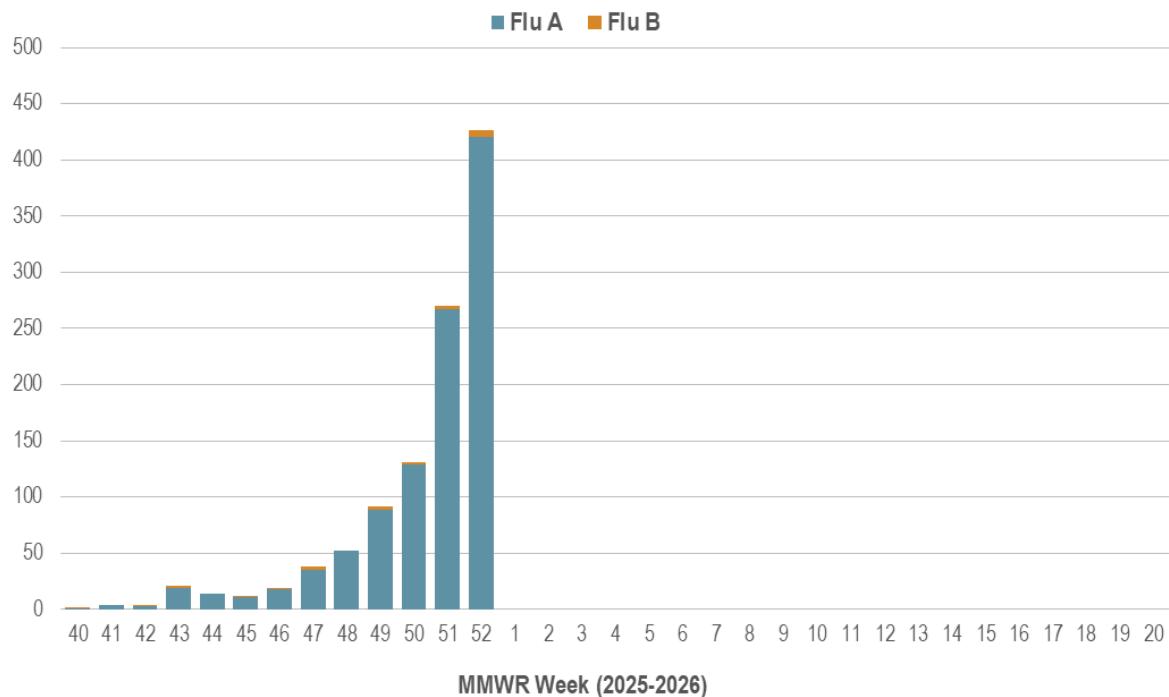
The overall volume of samples tested for influenza at the Wyoming Public Health Laboratory has steadily declined following the increasing distribution of the CDC Influenza SARS-CoV-2 Multiplex Assay, in addition to at-home testing options. We greatly encourage providers across the state to send additional specimens to the WPHL for virologic surveillance. The number of positive influenza specimens electronically reported this week **increased significantly** compared to the previous week.

## Healthcare and Clinical Laboratories

Clinical laboratories across the country most frequently reported **Influenza A/H3N2 viruses** circulating during MMWR Week 52, with a handful of Influenza A/H1N1 and B viruses.

## Electronic Lab Reports of Influenza Cases

Number of Electronic Lab Reported Cases



# Influenza-Like Illness Surveillance

## MMWR Week 52: 9.34% ▲above WY baseline (5.36%)

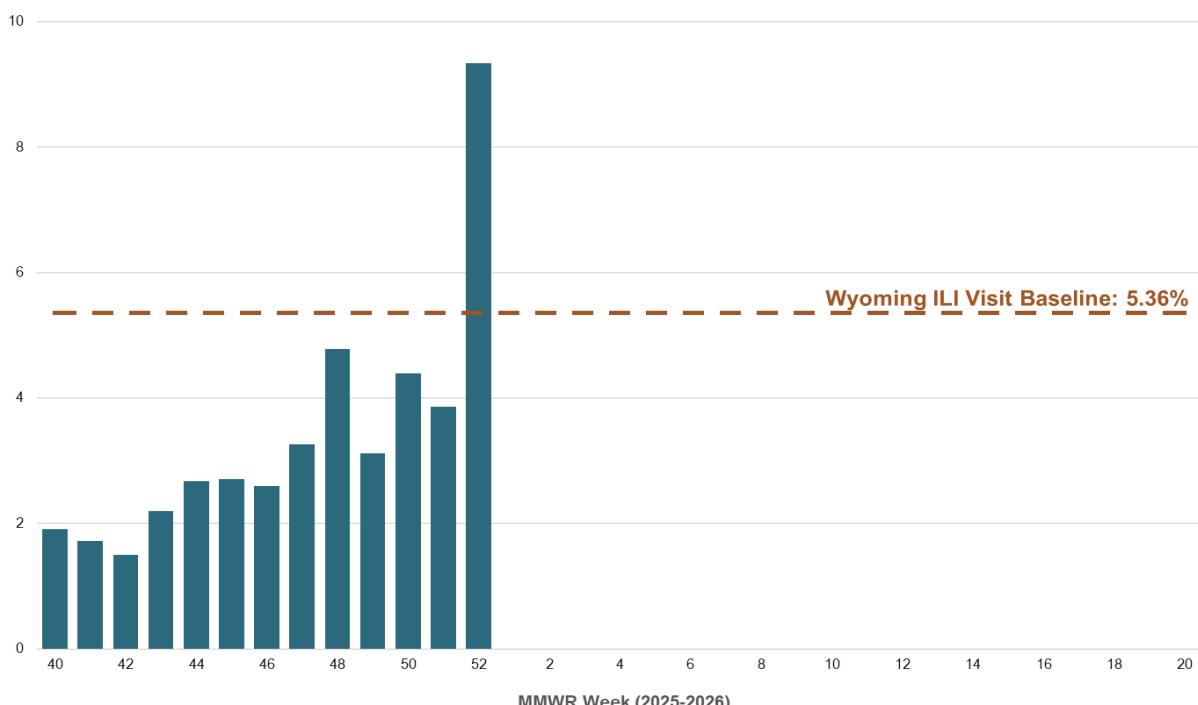
*The percent of patient visits to ILI-Net Sentinel Providers for ILI increased substantially compared to last week.*

The Wyoming Department of Health received reports from **more than 50%** of the ILINet providers across the state. Although weekly percentages could change as additional reports are submitted.

**Key Updates:** Seasonal influenza activity is elevated and continues to increase across the country. Based on CDC calculations, transmission within Wyoming was **high** this week. Sustained elevated influenza activity is observed across multiple key surveillance indicators in all areas of the country. As of Week 52, CDC's in-season severity assessment framework classified the season as a moderately severe season for the first time. Nationally and in all ten HHS regions, the percentage of respiratory specimens testing positive for influenza virus in clinical laboratories increased in Week 52 compared to Week 51.

### Weekly Percent of ILI Visits

Percent of Influenza-like Illness (ILI)



# Pneumonia and Influenza Mortality

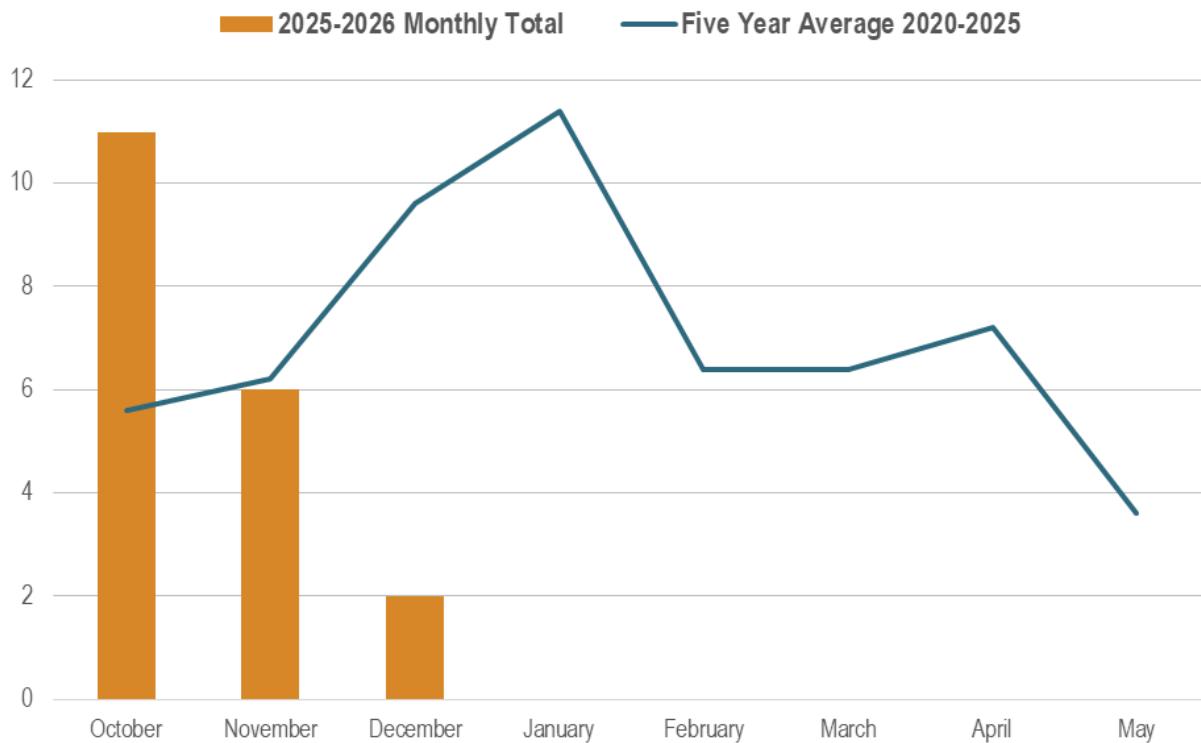
## Mortality Data

Tracking death certificates is the most effective surveillance system for capturing and identifying pneumonia and influenza-associated deaths in Wyoming. According to the CDC, influenza is infrequently listed on death certificates. Also, testing for seasonal influenza infections is not frequently performed, particularly among the elderly, who are at greatest risk for seasonal influenza complications and death. Therefore, public health officials may not be able to identify influenza-associated deaths in many instances; as a result, this surveillance system may underestimate the true impact of influenza-associated deaths in the state.

There have been **19** pneumonia and influenza (P&I) mortality reports certified since the beginning of the 2025-2026 Influenza Season.

## Monthly P&I Mortality Reports (2020-2026)

Number of P&I Deaths

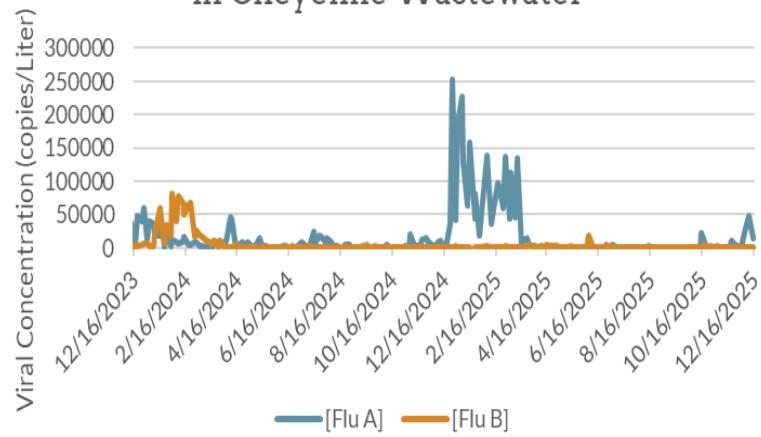


# Wastewater Surveillance

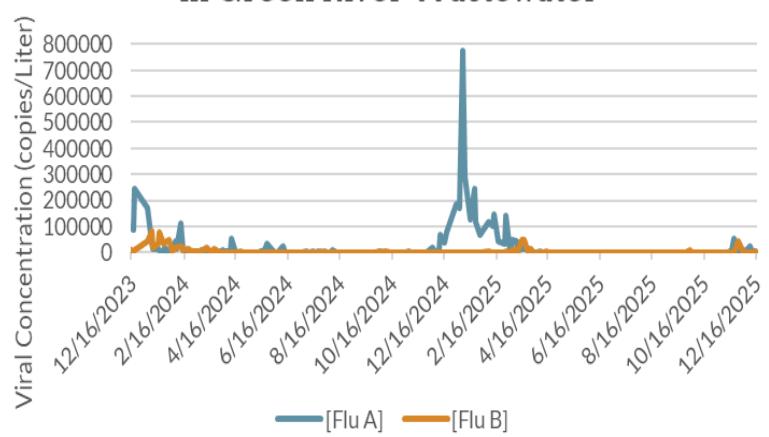
Here at the Wyoming Public Health Laboratory (WPHL), we have a team of scientists analyzing wastewater samples from across the state to identify trends in influenza (and many other pathogens). The graphs pictured below depict trend lines for the past two influenza seasons (2023-2025) as well as current trends. It is important to note that the high concentrations observed last season have dwarfed many of the previously detected values.

## WPHL Sites: Cheyenne, Green River, Rawlins, and Sheridan

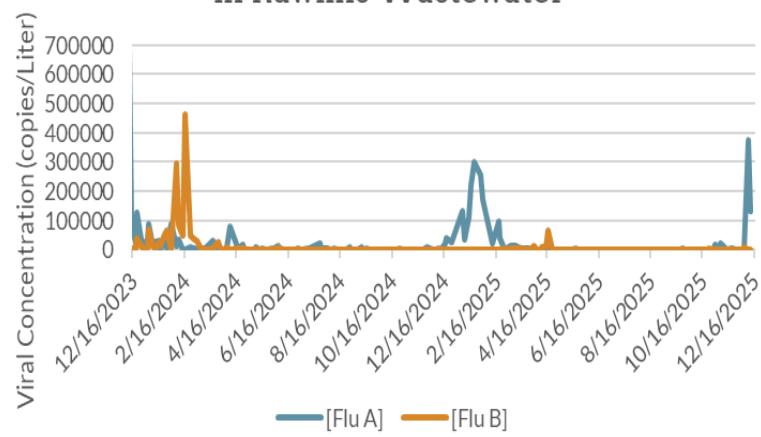
Influenza A and B Concentration Levels in Cheyenne Wastewater



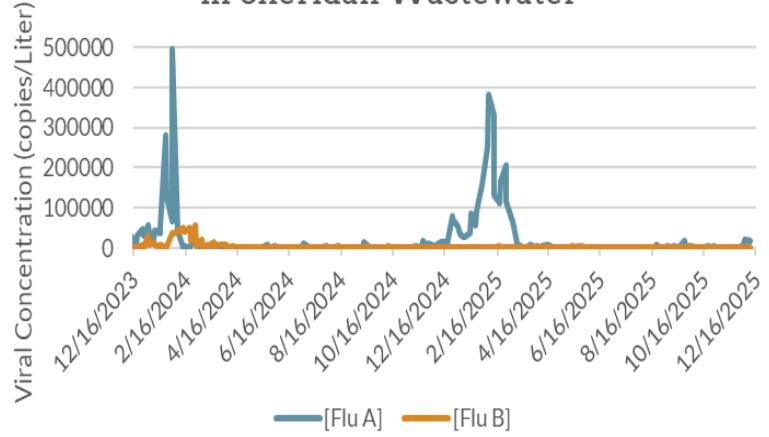
Influenza A and B Concentration Levels in Green River Wastewater



Influenza A and B Concentration Levels in Rawlins Wastewater



Influenza A and B Concentration Levels in Sheridan Wastewater

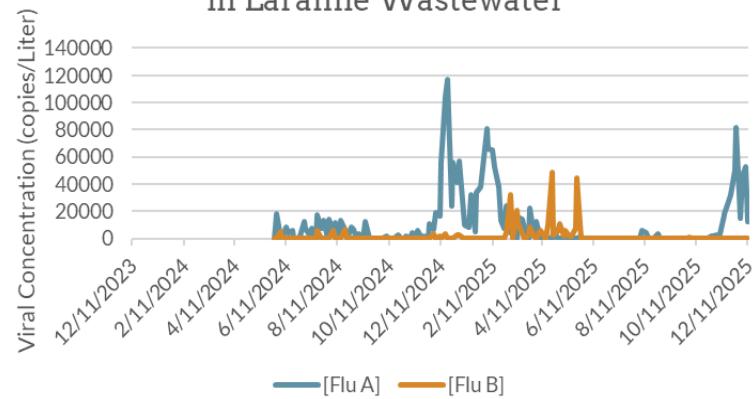


# Wastewater Surveillance Continued

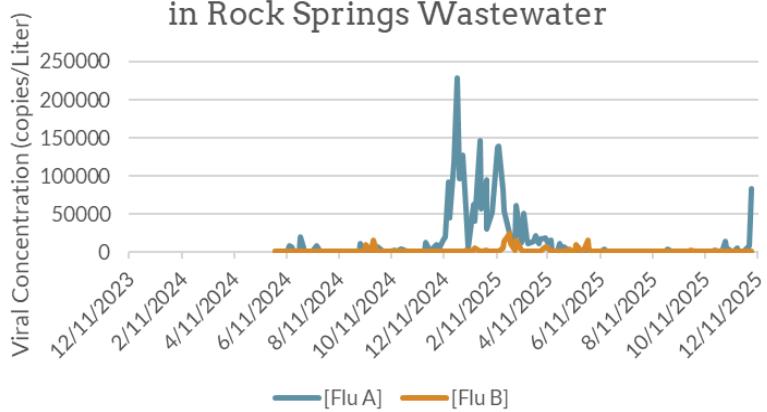
Our colleagues at the University of Wyoming (UW) have collaborated with the WPHL to analyze wastewater samples collected at four additional treatment facilities across the state. The graphs below show the current trend lines of varying influenza concentrations detected in wastewater, starting in June 2024 and continuing to the present. The current viral concentrations appear to be diminished compared to the higher values we observed last season during sustained community-wide transmission.

## UW Sites: Laramie, Rock Springs, Jackson, and Gillette

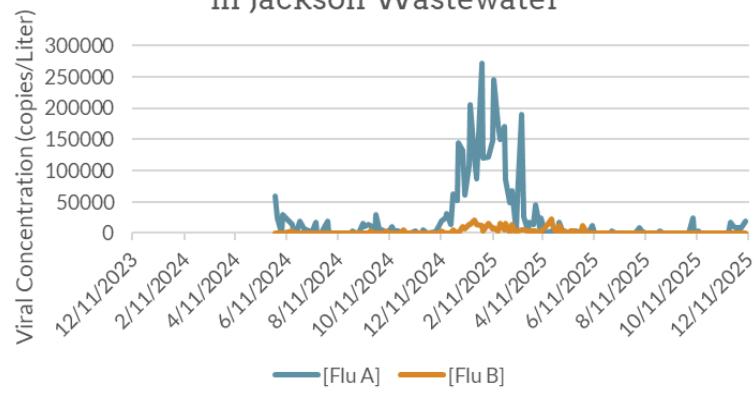
Influenza A and B Concentration Levels in Laramie Wastewater



Influenza A and B Concentration Levels in Rock Springs Wastewater



Influenza A and B Concentration Levels in Jackson Wastewater



Influenza A and B Concentration Levels in Gillette Wastewater

