



# INFLUENZA REPORT

## 2022-2023 Influenza Season

MMWR Week 45 (11/6-11/12)

**Weekly Report of Influenza and Influenza-like Illness (ILI) Activity**



## Influenza and Influenza-like Illness Activity

### Spread

#### **Sporadic/Local**

Certain counties are moving towards local geographic spread

### Flu Activity

#### **Low**

Activity is low, but increasing across the state

### ILI Activity

#### **Minimal**

Reports of increasing outpatient respiratory illnesses

### Co-circulating

#### **Other Viruses**

SARS-CoV-2  
RSV

### Seasonal Data

#### **Types of Flu**

Influenza A and B viruses are circulating

### Subtypes

#### **Primary: A/H3**

Predominately H3N2 viruses reported across the country

### Outbreaks

**0**

No direct reports of outbreaks

### Severity

#### **Inpatients**

Increasing reports of hospitalizations across the country

### Deaths

**0**

No locally reported pediatric deaths; 7 total pediatric deaths across the country this season

### Syndromic

**11**

Syndromic anomalies reported; mainly in Natrona and Laramie Counties

### EMS

**24**

#### **Suspected ILI**

24 reports this week

### Hot Spots

#### **Tracking Trends**

Notified of hot spot in Laramie County

# Geographic Spread



## Geographic Activity by Regions

Wyoming as a whole observed **sporadic activity** this week (MMWR Week 45) with certain counties moving towards **local activity**.

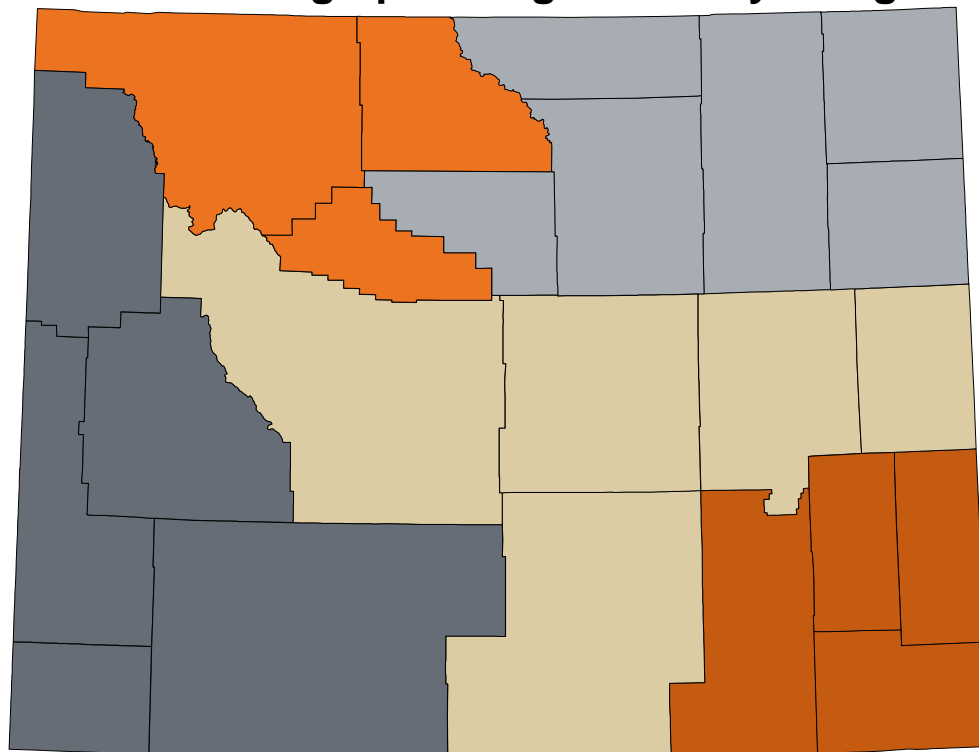
Healthcare providers in **15** counties reported influenza cases.






The electronically reported influenza cases represent **all five** Infectious Disease Epidemiology (IDE) Geographic Regions.

**Three** of the five IDE Geographic Regions indicated **local activity** this week with certain counties seeing the highest increases in reported case counts.

Healthcare providers across the state reported **236** influenza cases (rapid influenza diagnostic tests and PCR confirmed tests).

### IDE Geographic Regions of Wyoming



-  Southeastern (local, primarily Laramie County)
-  Central (local, primarily Natrona & Converse Counties)
-  Western (sporadic)
-  Big Horn (local, primarily Park County)
-  Northeastern (sporadic)



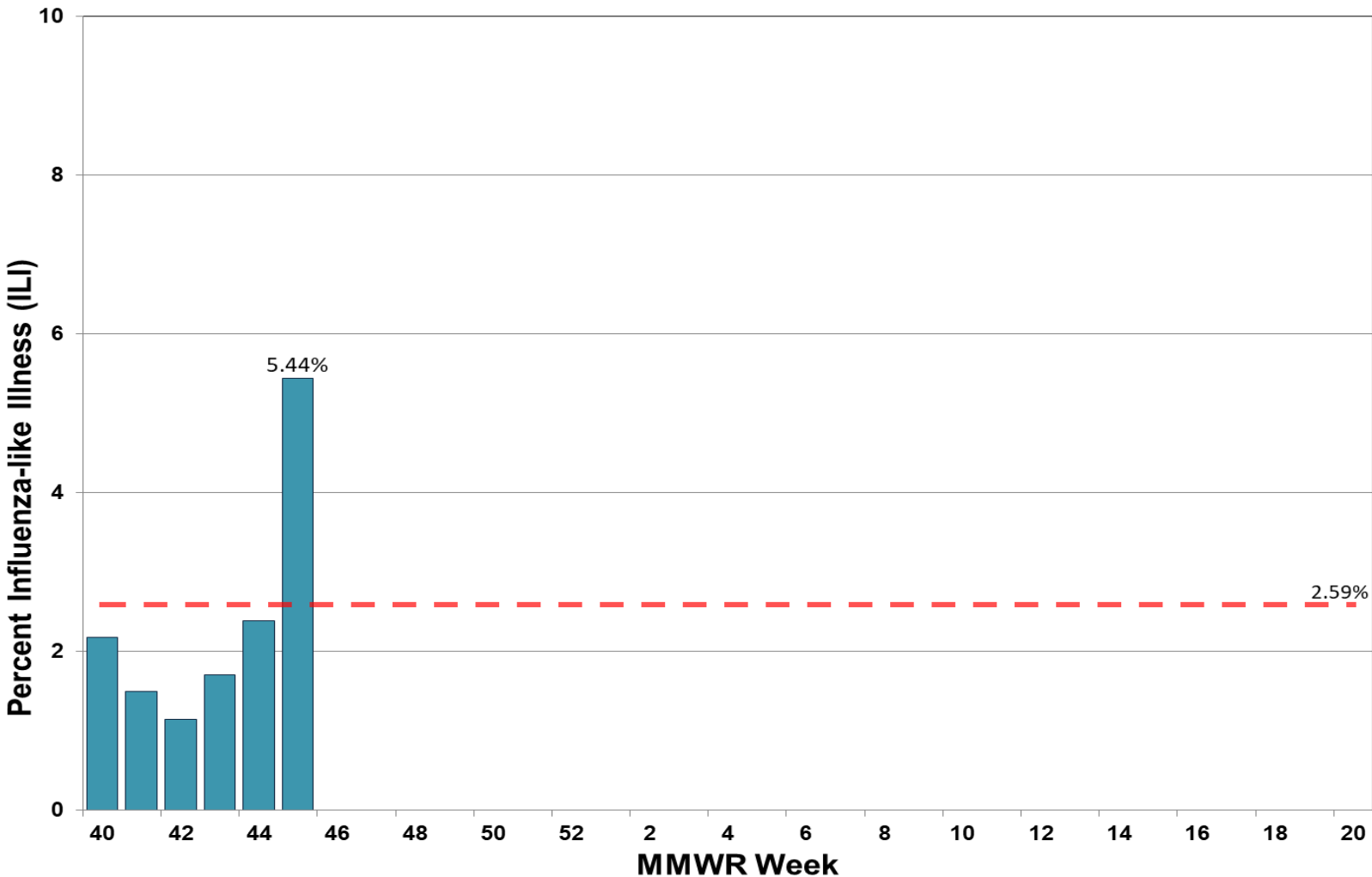
## ILINet Providers

The percent of patient visits to ILINet Sentinel Providers for influenza-like illness was **5.44%**, which is **above** Wyoming's baseline (**2.59%**), and a **large increase** from week 44.

The Wyoming Department of Health received reports from more than **50%** of the ILINet providers across the state.

**Key Updates:** All U.S. regions are above their regional baseline for week 45. Based on CDC calculations, transmission within Wyoming is still considered **minimal**.

### Weekly Percent of ILI Visits





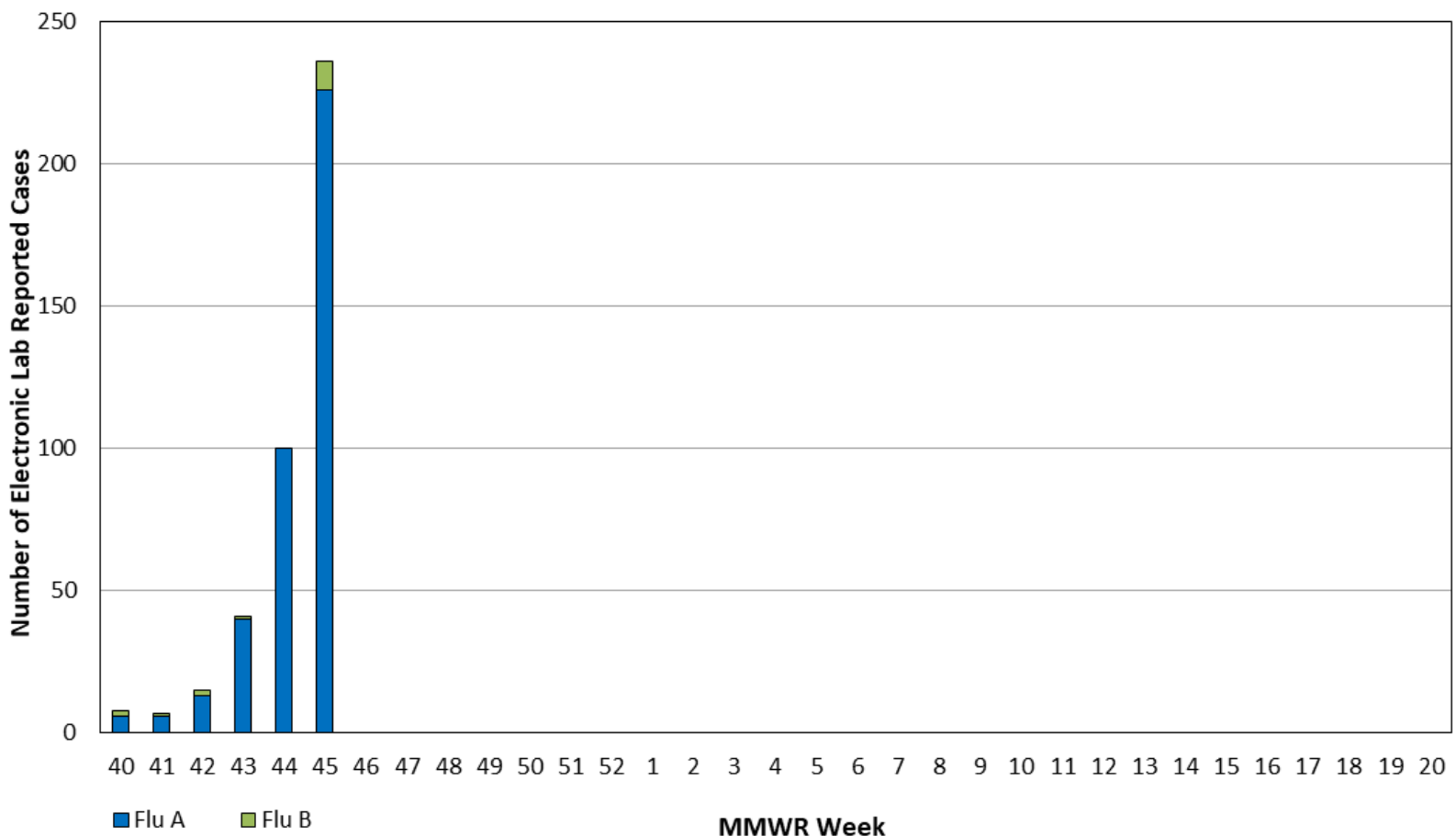
## Public Health Laboratory

The overall volume of samples tested for influenza at the Wyoming Public Health Laboratory has increased since the introduction of the CDC Influenza SARS-CoV-2 Multiplex Assay. We are starting to see a strong increase in the number of positive influenza specimens compared to the first few weeks of the 2022-2023 season.

## Healthcare and Clinical Laboratories

Clinical laboratories most frequently reported **Influenza A/H3N2 viruses** during MMWR Week 45; however, H1N1 viruses are slowly increasing.

### Electronic Lab Reports of Influenza Cases



\* This graph is not representative of all influenza cases across the state



## Mortality Data

Tracking death certificates is the best surveillance system to capture and identify 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 identify influenza-associated deaths in many instances; consequently, this surveillance system may underestimate the true impact of influenza-associated deaths in the state.

There have been **seven** pneumonia and influenza (P&I) mortality reports certified since the beginning of the 2022-2023 Influenza Season.

### Monthly P&I Mortality Reports (2017-2023)

