INFLUENZA REPORT
2018-2019 Influenza Season

MMWR Week 02

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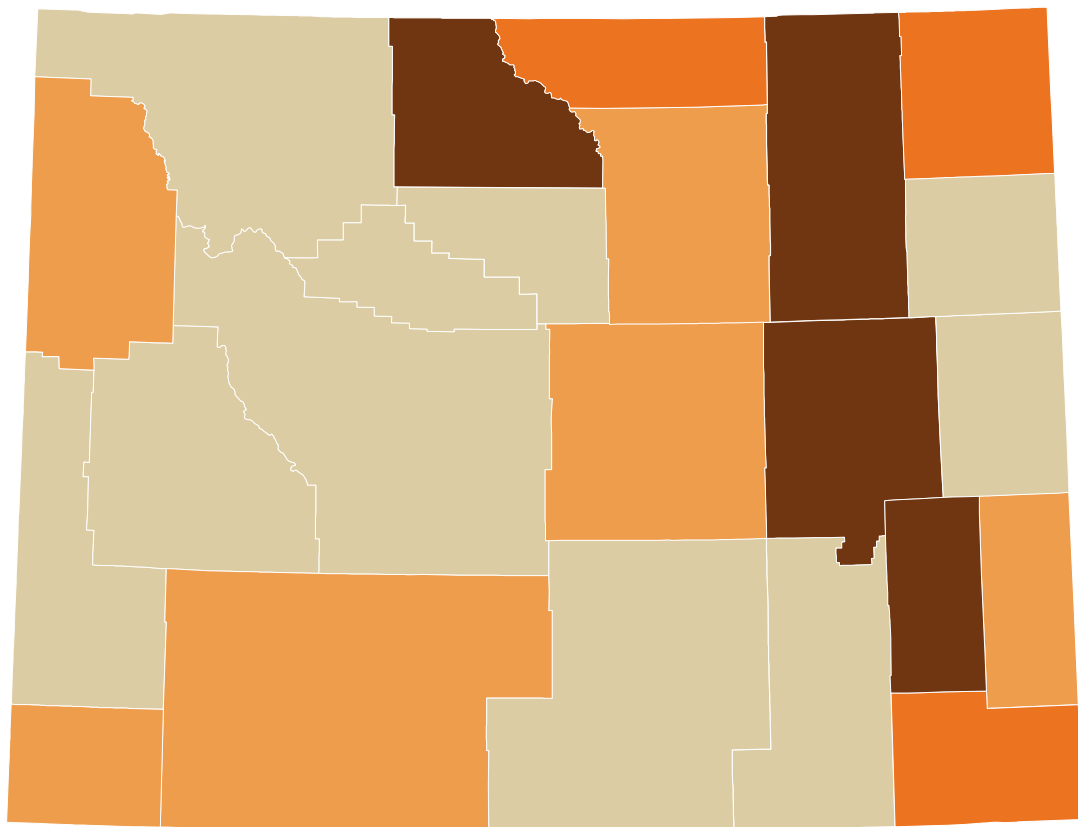
Geographic Spread

Influenza and Influenza-like Illness Activity

Wyoming reported **widespread activity** this week (MMWR Week 02).

Healthcare providers reported **304** influenza cases (rapid influenza diagnostic tests and PCR confirmed tests).

Weekly Case Rate per 100,000

- 0 to 25 persons
- 26 to 50 persons
- 51 to 75 persons
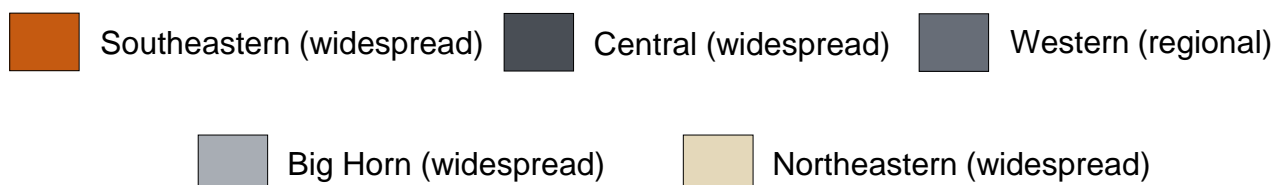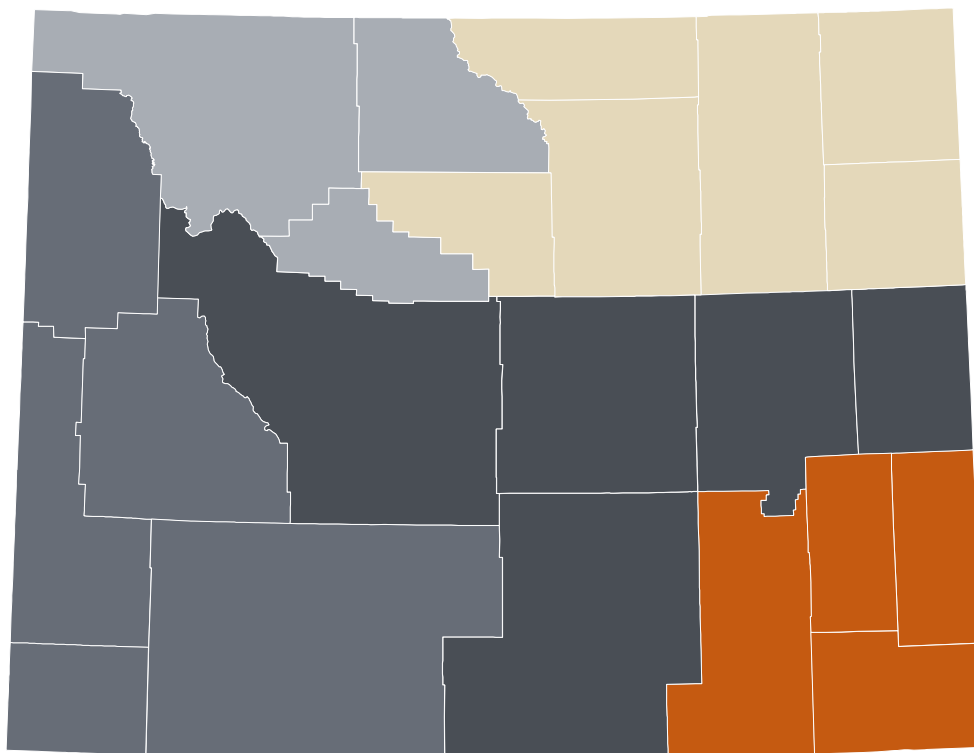- 76 to 100 persons
- >100 persons

Geographic Activity by Regions

Healthcare providers in **11** counties reported ILI activity with confirmed influenza cases.

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

Four IDE Geographic Regions described **widespread activity**, and **one** described **regional activity** this week.

IDE Geographic Regions of Wyoming

Southeastern (widespread)   Central (widespread)   Western (regional)

Big Horn (widespread)   Northeastern (widespread)

Influenza-like Illness Activity Levels

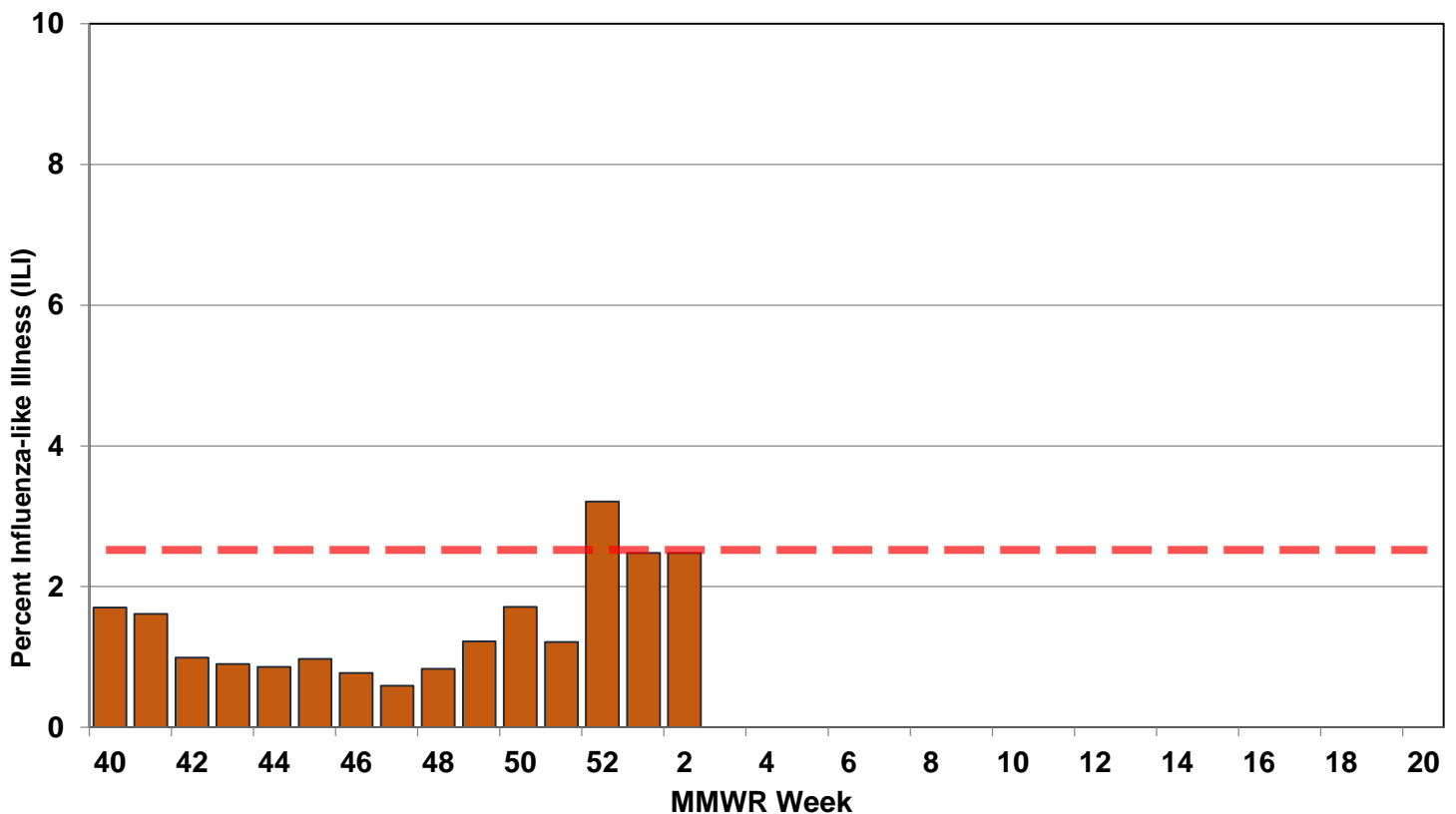| Activity Level	ILI Activity/Outbreaks		Laboratory Data
No activity	Low	And	No lab-confirmed cases
Sporadic	Not increased	And	Isolated lab-confirmed cases
	OR		
	Not increased	And	Lab-confirmed outbreak in one institution
Local	Increased ILI in 1 region; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
	OR		
	2 or more institutional outbreaks (ILI or lab-confirmed) in 1 region; ILI activity in other regions is not increased	And	Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
Regional	Increased ILI in ≥2 but less than half of the regions	And	Recent (within the past 3 weeks) lab-confirmed influenza in the affected regions
	OR		
	Institutional outbreaks (ILI or lab-confirmed) in ≥2 and less than half of the regions	And	Recent (within the past 3 weeks) lab-confirmed influenza in the affected regions
Widespread	Increased ILI and/or institutional outbreaks (ILI or lab-confirmed) in at least half of the regions	And	Recent (within the past 3 weeks) lab-confirmed influenza in the state.

ILINet Providers

The percent of patient visits to ILINet Sentinel Providers for influenza-like illness was **2.48%**, which is **below** Wyoming's baseline (**2.52%**).

The Wyoming Department of Health received reports from less than **50%** of the ILINet providers in Wyoming.

Healthcare providers in **20** counties reported influenza or influenza-like illness activity.

The ILI activity in Wyoming was **minimal**.
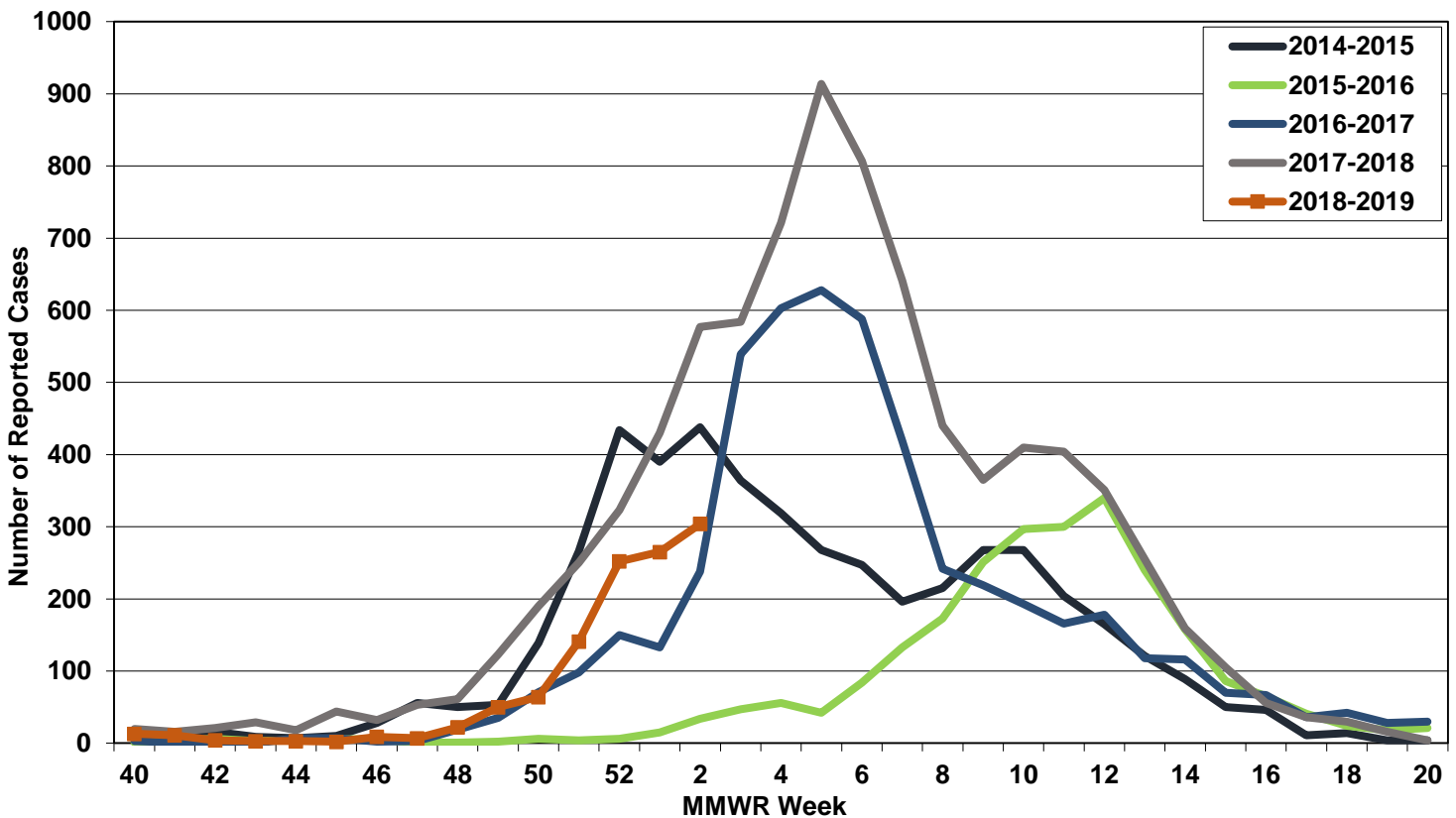
Weekly Percent of ILI Visits

Public Health Laboratory

The Wyoming Public Health Laboratory tested **13** specimens during MMWR Week 02. **Six** specimens were subtyped as **2009 influenza A H1N1 pandemic viruses**, and **seven** specimens were **negative** for both influenza A and influenza B viruses.

Healthcare and Clinical Laboratories

Clinical laboratories most frequently reported **Influenza A viruses** during MMWR Week 02. Clinical laboratories also subtyped several influenza A viruses as **2009 influenza A H1N1 pandemic viruses** and **influenza A (H3N2) viruses**.

Reported Influenza Cases by Influenza Season

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 were **30** pneumonia and influenza (P&I) mortality reports certified since the beginning of the 2018-2019 Influenza Season.

Monthly P&I Mortality Reports