**Influenza and Influenza-like Illness Activity**

Wyoming reported *widespread activity* this week (MMWR Week 01).

Healthcare providers reported **252** influenza cases (rapid influenza diagnostic tests and PCR confirmed tests).

![Weekly Case Rate per 100,000](image-url)

- **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 13 counties reported ILI activity with confirmed influenza cases.

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

Three IDE Geographic Regions described widespread activity, one described regional activity, and one reported sporadic activity this week.

IDE Geographic Regions of Wyoming

- Southeastern (widespread)
- Central (widespread)
- Western (regional)
- Big Horn (sporadic)
- Northeastern (widespread)
# Influenza-like Illness Activity Levels

<table>
<thead>
<tr>
<th>Activity Level</th>
<th>ILI Activity/Outbreaks</th>
<th>Laboratory Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>No activity</td>
<td></td>
<td></td>
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<tr>
<td>Sporadic</td>
<td></td>
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</tr>
<tr>
<td>Local</td>
<td>Increased ILI in 1 region; ILI activity in other regions is not increased</td>
<td>Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI</td>
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<tr>
<td>Regional</td>
<td>Increased ILI in ≥2 but less than half of the regions</td>
<td>Recent (within the past 3 weeks) lab-confirmed influenza in the affected regions</td>
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<tr>
<td>Widespread</td>
<td>Increased ILI and/or institutional outbreaks (ILI or lab-confirmed) in at least half of the regions</td>
<td>Recent (within the past 3 weeks) lab-confirmed influenza in the state.</td>
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</tbody>
</table>
ILINet Providers

The percent of patient visits to ILINet Sentinel Providers for influenza-like illness was **2.33%**, which is **below** Wyoming’s baseline (**2.52%**).

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

Healthcare providers in **18** counties reported influenza-like illness activity.

The ILI activity in Wyoming was **minimal**.
Public Health Laboratory

The Wyoming Public Health Laboratory tested five specimens during MMWR Week 01. Three specimens were subtyped as 2009 influenza A H1N1 pandemic viruses, and two 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 01. Clinical laboratories also subtyped several influenza A viruses as 2009 influenza A H1N1 pandemic viruses.

Reported Influenza Cases by Influenza Season
Pneumonia and Influenza Mortality

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

Monthly P&I Mortality Reports