INFLUENZA REPORT
2021-2022 Influenza Season

MMWR Week 49

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

<table>
<thead>
<tr>
<th>Spread</th>
<th>Flu Activity</th>
<th>ILI Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sporadic</td>
<td>Low Activity</td>
<td>Minimal Activity</td>
</tr>
<tr>
<td>Geographic Spread</td>
<td>Activity is low but continuing to increase</td>
<td>Low outpatient respiratory illness activity levels</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Co-circulating</th>
<th>Seasonal Data</th>
<th>Subtypes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Viruses</td>
<td>Types of Flu</td>
<td>Flu A (H3N2)</td>
</tr>
<tr>
<td>SARS-CoV-2</td>
<td>Influenza A and B viruses are circulating</td>
<td>Predominant circulating subtype</td>
</tr>
<tr>
<td>RSV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Outbreaks</th>
<th>Severity</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Inpatients</td>
<td>0</td>
</tr>
<tr>
<td>Reported outbreak in a high school</td>
<td>Reports of hospitalizations</td>
<td>No reported pediatric deaths</td>
</tr>
</tbody>
</table>

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<tr>
<th>Syndromic</th>
<th>EMS</th>
<th>Hot Spots</th>
</tr>
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<tr>
<td>0</td>
<td>Suspected ILI</td>
<td>Tracking Trends</td>
</tr>
<tr>
<td>No syndromic anomalies were reported</td>
<td>Reports doubled this week</td>
<td>Campbell County</td>
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Geographic Activity by Regions

Wyoming observed sporadic activity this week (MMWR Week 49).

Healthcare providers in most counties reported ILI activity.

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

The Northeastern IDE Geographic Region has elevated local activity.
ILINet Providers

The percent of patient visits to ILINet Sentinel Providers for influenza-like illness was 1.16%, which is **below** Wyoming’s baseline (2.06%).

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

This season, healthcare providers in **most** counties reported influenza or influenza-like illness activity.
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. The state lab reported influenza A (H3N2) viruses during MMWR Week 49. Influenza A (H3N2) viruses are the predominant viruses circulating in Wyoming.

Healthcare and Clinical Laboratories

Clinical laboratories most frequently reported influenza A viruses during MMWR Week 49. The subtyped samples were reported as influenza A (H3N2) viruses. However, influenza B viruses were also reported.

Electronic Reports of Influenza Cases

* The trend is not representative of all reported influenza cases.
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 19 pneumonia and influenza (P&I) mortality reports certified since the beginning of the 2021-2022 Influenza Season.

Monthly P&I Mortality Reports

[Graph showing monthly P&I mortality reports from 2016-2017 to 2021-2022]