INFLUENZA REPORT
2019-2020 Influenza Season

MMWR Week 05

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

Wyoming reported *widespread activity* this week (MMWR Week 05).

Healthcare providers in 22 counties reported ILI activity with confirmed influenza cases.

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

All five IDE Geographic Regions described *widespread activity* this week.
## 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><strong>No activity</strong></td>
<td>Low</td>
<td>And No lab-confirmed cases</td>
</tr>
<tr>
<td></td>
<td>Not increased</td>
<td>And Isolated lab-confirmed cases</td>
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<tr>
<td><strong>Sporadic</strong></td>
<td></td>
<td>OR</td>
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<tr>
<td></td>
<td>Not increased</td>
<td>And Lab-confirmed outbreak in one institution</td>
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<tr>
<td><strong>Local</strong></td>
<td>Increased ILI in 1 region; ILI activity in other regions is not increased</td>
<td>And Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI</td>
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<td></td>
<td>2 or more institutional outbreaks (ILI or lab-confirmed) in 1 region; ILI activity in other regions is not increased</td>
<td>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</td>
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<tr>
<td><strong>Regional</strong></td>
<td>Increased ILI in ≥2 but less than half of the regions</td>
<td>And Recent (within the past 3 weeks) lab-confirmed influenza in the affected regions</td>
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<td></td>
<td>Institutional outbreaks (ILI or lab-confirmed) in ≥2 and less than half of the regions</td>
<td>OR</td>
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<tr>
<td><strong>Widespread</strong></td>
<td>Increased ILI and/or institutional outbreaks (ILI or lab-confirmed) in at least half of the regions</td>
<td>And Recent (within the past 3 weeks) lab-confirmed influenza in the state.</td>
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</table>
ILINet Providers

The percent of patient visits to ILINet Sentinel Providers for influenza-like illness was 8.51%, which is above Wyoming’s baseline (2.85%).

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

This season, healthcare providers in all 23 counties reported influenza or influenza-like illness activity.
Public Health Laboratory

The Wyoming Public Health Laboratory tested four specimens during MMWR Week 05. Two specimens were positive for influenza A (H1N1) pandemic 2009 viruses. The remaining two specimens were negative for both influenza A and influenza B viruses.

Healthcare and Clinical Laboratories

Clinical laboratories most frequently reported Influenza B viruses during MMWR Week 05. However, healthcare providers reported increasing levels of activity associated with influenza A viruses across Wyoming during MMWR Week 05.

Electronic Reports of Influenza Cases

* The trend is not representative of all reported influenza cases.
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 26 pneumonia and influenza (P&I) mortality reports certified since the beginning of the 2019-2020 Influenza Season.

Monthly P&I Mortality Reports

![Graph showing monthly P&I mortality reports from 2014-2020, with peaks in January, February, and March, and lower numbers in other months.]