INFLUENZA LIKE ILLNESS (ILI) ACTIVITY

STATE OF WISCONSIN

REGION V OF US
(WI, MN, IL, MI, OH, IN)

UNITED STATES

AT-A-GLANCE:

Predominant Viruses of the Week:
RSV and Rhino/enterovirus are the predominant viruses this week.

Current Alerts:
RSV percent positivity increased from 19% to 25% this week. There has been a significant increase in pediatric RSV hospitalizations statewide.

Additional data on SARS-CoV-2 (the virus causing COVID-19) trends in Wisconsin can be found at: https://www.dhs.wisconsin.gov/covid-19/data.htm

INFLUENZA-ASSOCIATED PEDIATRIC DEATHS REPORTED:

Week 35, 2021          October 1, 2020 to present

Wisconsin          0          0
Nationwide        0          1

For National US influenza surveillance statistics visit: www.cdc.gov/flu/weekly/
INFLUENZA AND PNEUMONIA-ASSOCIATED MORTALITY

Influenza and Pneumonia Deaths, Wisconsin

Influenza- and pneumonia-associated deaths by influenza season year and week, Wisconsin

<table>
<thead>
<tr>
<th>Influenza season week</th>
<th>Influenza-associated deaths (I)</th>
<th>Pneumonia-associated deaths (P)</th>
<th>Percent I+P of all deaths</th>
<th>Baseline I+P of all deaths</th>
<th>Threshold I+P of all deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>0</td>
<td>74</td>
<td>6.6%</td>
<td>4.3%</td>
<td>5.0%</td>
</tr>
<tr>
<td>34</td>
<td>0</td>
<td>80</td>
<td>7.3%</td>
<td>4.2%</td>
<td>5.0%</td>
</tr>
<tr>
<td>35</td>
<td>Preliminary Data</td>
<td>0</td>
<td>72</td>
<td>9.0%</td>
<td>4.2%</td>
</tr>
<tr>
<td>Seasonal total</td>
<td>0</td>
<td>4773</td>
<td>8.0%</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

Data source: DPH, Office of Health Informatics
Wisconsin positive influenza results and subtypes by PCR

Wisconsin positive influenza results and subtypes by PCR

Cumulative number of positive influenza PCR tests by subtype
October 1, 2020 to present

<table>
<thead>
<tr>
<th></th>
<th>A (2009 H1N1)</th>
<th>Influenza A: A (H3N2)</th>
<th>43% A (Unknown)</th>
<th>Influenza B: B (Victoria)</th>
<th>57% B (Yamagata)</th>
<th>B (Unknown)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total positive (n)</td>
<td>3</td>
<td>4</td>
<td>35</td>
<td>0</td>
<td>0</td>
<td>57</td>
<td>99</td>
</tr>
<tr>
<td>% of total positive</td>
<td>3%</td>
<td>4%</td>
<td>36%</td>
<td>0%</td>
<td>0%</td>
<td>57%</td>
<td>100%</td>
</tr>
</tbody>
</table>
# WISCONSIN LABORATORY SURVEILLANCE FOR RESPIRATORY VIRUSES BY PCR

## Trends in respiratory virus activity by PCR

![Graph showing trends in respiratory virus activity by PCR](image)

**Week 35: Ending on September 4, 2021**

<table>
<thead>
<tr>
<th>Respiratory virus</th>
<th>Tested</th>
<th>Positive (n)</th>
<th>Positive (%)</th>
<th>Influenza A</th>
<th>Influenza B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>H3N2</td>
<td>2009</td>
</tr>
<tr>
<td>Influenza</td>
<td>5106</td>
<td>2</td>
<td>&lt;0.1%</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>875</td>
<td>31</td>
<td>3.5%</td>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>Coronavirus (seasonal)</td>
<td>199</td>
<td>1</td>
<td>0.5%</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Respiratory virus</th>
<th>Tested</th>
<th>Positive (n)</th>
<th>CoV 229E</th>
<th>CoV OC43</th>
<th>CoV NL63</th>
<th>CoV HKU1</th>
</tr>
</thead>
<tbody>
<tr>
<td>RSV</td>
<td>2002</td>
<td>512</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Human metapneumovirus</td>
<td>875</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rhino-enterovirus</td>
<td>881</td>
<td>130</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adenovirus</td>
<td>199</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
WISCONSIN STATE SUMMARY

ILI activity trend analysis by influenza season, Wisconsin

Influenza-associated hospitalizations, Wisconsin Electronic Disease Surveillance System
October 1, 2020 to present

<table>
<thead>
<tr>
<th>Age group (years)</th>
<th>Total reported (n)</th>
<th>Influenza subtype</th>
<th>Admitted to ICU</th>
<th>Required mechanical ventilation</th>
<th>Pregnant</th>
<th>Postpartum (≤6 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1-4</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5-17</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>18-49</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>50-64</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>65+</td>
<td>13</td>
<td>0</td>
<td>2</td>
<td>11</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>21</td>
<td>0</td>
<td>6</td>
<td>15</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Reported cumulative influenza-associated hospitalizations by influenza season, Wisconsin
ILI ACTIVITY TREND ANALYSIS

Wisconsin

Northeastern Region

Northern Region
ILI ACTIVITY TREND ANALYSIS

Southeastern Region

Southern Region

Western Region
Influenza vaccine composition 2020-2021:

**Trivalent (three-component) egg-based vaccines** are recommended to contain:
- A/Guangdong-Maonan/SWL1536/2019 (H1N1)pdm09-like virus (updated)
- A/Hong Kong/2671/2019 (H3N2)-like virus (updated)
- B/Washington/02/2019 (B/Victoria lineage)-like virus (updated)

**Quadrivalent (four-component) egg-based vaccines**, which protect against a second lineage of B viruses, are recommended to contain:
the three recommended viruses above, plus B/Phuket/3073/2013-like (Yamagata lineage) virus.

**Cell- or recombinant-based vaccines** are recommended to contain:
- A/Hawaii/70/2019 (H1N1)pdm09-like virus (updated)
- A/Hong Kong/45/2019 (H3N2)-like virus (updated)
- B/Washington/02/2019 (B/Victoria lineage)-like virus (updated)
- B/Phuket/3073/2013-like (Yamagata lineage) virus
SEASONAL INFLUENZA VACCINATION

Percentage of Wisconsin residents who received one or more doses of influenza vaccine, by race and ethnicity and region, 2020-2021 influenza season

Each season includes doses administered during the same time period (August 1 through May 3).

Percentage of Wisconsin residents who received one or more doses of influenza vaccine, by race and ethnicity and region, 2020-2021 influenza season

All of Wisconsin

Northeastern

Northern

Southeastern

Southern

Western

Total

Non-Hispanic

Hispanic

White

Black

Asian

American Indian/Alaska-Native

Non-Hispanic

Hispanic

This page is a graphical representation of the percentage of Wisconsin residents who received one or more doses of influenza vaccine, categorized by race, ethnicity, and region. The data is presented for the 2020-2021 influenza season.