INFLUENZA LIKE ILLNESS (ILI) ACTIVITY

STATE OF WISCONSIN

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

UNITED STATES

ILI: BELOW BASELINE
ILI: HIGH LEVELS
ILI: MODERATE LEVELS
ILI: BELOW BASELINE
ILI: INSUFFICIENT DATA

AT-A-GLANCE:

Predominant Viruses of the Week:
Human Metapneumovirus and rhino/enterovirus are the predominant viruses this week.

INFLUENZA-ASSOCIATED PEDIATRIC DEATHS REPORTED:

Week 12, 2022          October 1, 2021 to present

Wisconsin         0        3
Nationwide       1        14

Current Alerts:
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

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

- Percent of deaths associated with influenza and pneumonia
- Baseline
- Threshold

Influenza- and pneumonia-associated deaths by most recent 3 week period.

<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>10</td>
<td>2</td>
<td>78</td>
<td>6.8%</td>
<td>6.1%</td>
<td>6.8%</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
<td>65</td>
<td>6.1%</td>
<td>6.1%</td>
<td>6.8%</td>
</tr>
<tr>
<td>12</td>
<td>2</td>
<td>54</td>
<td>5.8%</td>
<td>6.0%</td>
<td>6.7%</td>
</tr>
</tbody>
</table>

Preliminary Data

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

Cumulative number of positive influenza PCR tests by subtype
October 9, 2021 to present
Week 12, Ending on March 26, 2022

<table>
<thead>
<tr>
<th>Respiratory virus</th>
<th>Tested</th>
<th>Positive (n)</th>
<th>Positive (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influenza</td>
<td>6149</td>
<td>456</td>
<td>7.4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>55</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Parainfluenza</td>
<td>698</td>
<td>24</td>
<td>3.4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>17</td>
<td>7</td>
</tr>
<tr>
<td>Coronavirus (seasonal)</td>
<td>160</td>
<td>12</td>
<td>7.5%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RSV</td>
<td>2691</td>
<td>26</td>
<td>1.0%</td>
</tr>
<tr>
<td>Human metapneumovirus</td>
<td>715</td>
<td>88</td>
<td>12.3%</td>
</tr>
<tr>
<td>Rhino-enterovirus</td>
<td>663</td>
<td>84</td>
<td>12.7%</td>
</tr>
<tr>
<td>Adenovirus</td>
<td>160</td>
<td>1</td>
<td>0.6%</td>
</tr>
</tbody>
</table>
**WISCONSIN STATE SUMMARY**

ILI activity trend analysis by influenza season, Wisconsin

![ILI activity trend analysis chart](chart.png)

**Influenza-associated hospitalizations, Wisconsin Electronic Disease Surveillance System**

October 1, 2021 to present

<table>
<thead>
<tr>
<th>Age group (years)</th>
<th>Total reported (n)</th>
<th>A (2009 H1N1)</th>
<th>A (H3N2)</th>
<th>A (Unknown)</th>
<th>B</th>
<th>Not reported</th>
<th>Admitted to ICU</th>
<th>Required mechanical ventilation</th>
<th>Pregnant</th>
<th>Postpartum (&lt;6 weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;1</td>
<td>9</td>
<td>0</td>
<td>0</td>
<td>9</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>17</td>
<td>1</td>
<td>0</td>
<td>15</td>
<td>1</td>
<td>0</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5-17</td>
<td>22</td>
<td>1</td>
<td>0</td>
<td>21</td>
<td>0</td>
<td>0</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>18-49</td>
<td>89</td>
<td>0</td>
<td>8</td>
<td>80</td>
<td>1</td>
<td>0</td>
<td>9</td>
<td>0</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>50-64</td>
<td>81</td>
<td>0</td>
<td>2</td>
<td>76</td>
<td>3</td>
<td>0</td>
<td>5</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>65+</td>
<td>275</td>
<td>1</td>
<td>11</td>
<td>250</td>
<td>13</td>
<td>0</td>
<td>16</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>493</strong></td>
<td><strong>3</strong></td>
<td><strong>21</strong></td>
<td><strong>451</strong></td>
<td><strong>18</strong></td>
<td><strong>0</strong></td>
<td><strong>38</strong></td>
<td><strong>6</strong></td>
<td><strong>9</strong></td>
<td><strong>0</strong></td>
</tr>
</tbody>
</table>

**Reported cumulative influenza-associated hospitalizations by influenza season, Wisconsin**

![Reported cumulative hospitalizations chart](chart.png)

*The 2020 - 2021 influenza season was unusually low due much in part to the ongoing COVID-19 pandemic. As such, numbers for that season are substantially different than previous seasons and should be considered an anomaly.*
ILI ACTIVITY TREND ANALYSIS

Wisconsin

Northeastern Region

Northern Region
ILI ACTIVITY TREND ANALYSIS

Southeastern Region

Southern Region

Western Region
Influenza vaccine composition 2021-2022:

**Egg-based vaccines** are recommended to contain:
- A/Victoria/2570/2019 (H1N1) pdm09-like virus
- A/Cambodia/e0826360/2020 (H3N2)-like virus
- B/Washington/02/2019- like virus (B/Victoria lineage)
- B/Phuket/3073/2013-like virus (B/Yamagata lineage)

**Cell- or recombinant-based vaccines** are recommended to contain:
- A/Wisconsin/588/2019 (H1N1) pdm09-like virus
- A/Cambodia/e0826360/2020 (H3N2)-like virus
- B/Washington/02/2019- like virus (B/Victoria lineage)
- B/Phuket/3073/2013-like virus (B/Yamagata lineage)

---

Cumulative percentage of Wisconsin residents who received 1 or more doses of influenza vaccine, 2021-2022 influenza season

- **Healthy People 2030 Goal:** 70%
- **2020-2021 Total Vaccinated:** 44%
- **2021-2022 Total Vaccinated (as of this week):** 40%

As of this week, the influenza vaccination coverage in Wisconsin is **4% lower** than this time last year.

Data source: All influenza vaccination rates presented were calculated using data from the Wisconsin Immunization Registry (numerator) and Wisconsin population estimates (denominator).
**SEASONAL INFLUENZA VACCINATION**

Percentage of Wisconsin residents who received one or more doses of influenza vaccine, by age group and 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, 2021-2022 influenza season**

<table>
<thead>
<tr>
<th>Region</th>
<th>All of Wisconsin</th>
<th>Northeastern</th>
<th>Northern</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-Hispanic</td>
<td>40%</td>
<td>40%</td>
<td></td>
</tr>
<tr>
<td>Hispanic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>28%</td>
<td>27%</td>
<td>20%</td>
</tr>
<tr>
<td>Black</td>
<td>23%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>Asian</td>
<td>24%</td>
<td>24%</td>
<td>25%</td>
</tr>
<tr>
<td>American Indian/Alaska-Native</td>
<td>24%</td>
<td>19%</td>
<td>23%</td>
</tr>
</tbody>
</table>

**Southeastern**

- Total: 39%
- Non-Hispanic: 39%
- Hispanic: 27%
- White: 37%
- Black: 23%
- Asian: 34%
- American Indian/Alaska-Native: 19%

**Southern**

- Total: 45%
- Non-Hispanic: 44%
- Hispanic: 33%
- White: 42%
- Black: 24%
- Asian: 39%
- American Indian/Alaska-Native: 36%

**Western**

- Total: 37%
- Non-Hispanic: 37%
- Hispanic: 26%
- White: 35%
- Black: 18%
- Asian: 31%
- American Indian/Alaska-Native: 21%