During flu season, the Arkansas Department of Health (ADH) produces a Weekly Influenza Report for clinicians. The report provides information on flu activity in the state. The report also compares influenza-like-illness (ILI) in Arkansas to activity in the U.S. ADH receives reports of only a fraction of flu cases since it only requires reports of hospitalizations, deaths, and outbreaks. Therefore, it is important to understand that the information in the weekly update is representative of the timing and location of activity, but it does not reflect the overall burden of disease. It is presumed that there are many more people actually affected than the report shows. Clinicians and policy makers may find the report helpful in terms of communicating to colleagues and patients about the current status of the flu season.

Report Key Points:

- For Week 21, Arkansas reported “Minimal” or 2 out of 13 for Influenza-Like-Illness (ILI) activity level indicator determined by data reported to ILINet.

- Since September 27, 2021, 14,807 positive influenza tests have been reported to the ADH online database by health care providers. Please note that reported cases reflect only a portion of the actual numbers of flu cases in the state.

- Among flu antigen tests this season that can distinguish between influenza A and B virus types in Arkansas, 89 percent were influenza A, and 11 percent were influenza B.

- More than 1 percent of patients visiting emergency rooms this week were there for ILI (Syndromic Surveillance). More than 1 percent of outpatient visits were for ILI (ILINet sentinel providers).

- No school absenteeism report this week due to end of school year.

- Arkansas reported 26 influenza-related deaths this flu season. In 2020-21 season, Arkansas reported 24 influenza-related deaths.

- Nationally, CDC estimates that, so far this season, there have been at least 7.3 million flu illnesses, 74,000 hospitalizations, and 4,500 deaths from flu, 25 of the deaths are in pediatric patients.

- Since September 27, 2021, 1 nursing home in Arkansas has reported an influenza outbreak.

- Nationally, the proportion of deaths reported to the National Center for Health Statistics attributed to pneumonia, influenza and COVID-19 (PIC) is above the epidemic threshold this week. PIC mortality is due primarily to COVID-19 and not influenza.

You can report flu year-round and view the weekly influenza report during the influenza season at: http://www.healthy.arkansas.gov/programs-services/topics/influenza. You can also access the reporting website directly at: https://FluReport.ADH.Arkansas.gov.

For Additional National and International Influenza Surveillance Information:
World Health Organization (WHO): https://www.who.int/tools/flunet
CDC - Seasonal Influenza (Flu) - Weekly Report: http://www.cdc.gov/flu/weekly/
Death Report for Week 21
- Deaths from all causes: 641
- Deaths due to Pneumonia: 37
- PCR confirmed Flu Deaths: 0
- Death Certificate or Flu Antigen only: 0

Cumulative Flu Deaths since 10/03/2021
- PCR confirmed Flu deaths: 4
- Death Certificate or Antigen only: 22
- Cumulative Flu deaths: 26

Total Flu-Related Hospital Admissions
- Cumulative: 384
- Week ending 05/28/2022: 6

Weekly Arkansas ILI Intensity Level Reported by Sentinel Providers

PCR Lab Confirmed Influenza Cases
- Total Cases since 10/03/2021: 2,324
- Week ending 05/28/2022: 4

Reported cases reflect only a portion of the actual numbers of flu cases in the state.

<table>
<thead>
<tr>
<th>PCR Tests</th>
<th>Week 21</th>
<th>Cumulative Cases Since 10/03/2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4</td>
<td>2,042</td>
</tr>
<tr>
<td>B+</td>
<td>0</td>
<td>39</td>
</tr>
<tr>
<td>Both A and B</td>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>B/Victoria</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>B/Yamagata</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>H1N1+</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>H3+</td>
<td>0</td>
<td>236</td>
</tr>
<tr>
<td>Unsubtypeable</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>4</td>
<td>2,324</td>
</tr>
</tbody>
</table>

PCR Confirmed Influenza Cases since 10/03/2021

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>PCR+</th>
<th>Hospitalized</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4 yr.</td>
<td>360</td>
<td>14</td>
<td>0</td>
</tr>
<tr>
<td>5-17 yr.</td>
<td>837</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>18-24 yr.</td>
<td>254</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>25-44 yr.</td>
<td>389</td>
<td>31</td>
<td>1</td>
</tr>
<tr>
<td>45-64 yr.</td>
<td>210</td>
<td>68</td>
<td>0</td>
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<tr>
<td>&gt;= 65 yr.</td>
<td>273</td>
<td>131</td>
<td>3</td>
</tr>
<tr>
<td>Unknown</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>2,324</td>
<td>259</td>
<td>4</td>
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</table>

School Absenteeism*
- Week Ending: 05/28/2022
  - Percent Absent: Most schools out
  - Previous Week: 8.45
- Average daily absenteeism for all public schools during this reporting week.

ER Visits (Syndromic Surveillance)
- Week Ending: 05/28/2022
  - Weighted Average: 1.3%
    - Total Visits: 19,140
    - Visits with ILI: 258
- Previous Week
  - Weighted Average: 1.1%
    - Total Visits: 19,801
    - Visits with ILI: 211
Influenza Mortality by Age Group, Arkansas 2005-2022 (Provisional)
Report Updated: 5/31/2022

Hospital Report – Downloaded from ESSENCE (Syndromic Surveillance)
Percent ER Visits with ILI
Arkansas Subset of US Outpatients Influenza Surveillance (ILINET)

Percentage of Outpatient Visits Due to Influenza-like Illness Reported by ILINet in Arkansas

Week, Month of Report

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<thead>
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<th>Oct</th>
<th>Nov</th>
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2021-22

Average 2016-21

Off Season Baseline

2020-21

Weekly Influenza Claims Paid by Medicaid and BCBS of Arkansas

Week, Month of Report

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<th>Oct</th>
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Average 2016-21

YR 2020-21

Off Season Baseline

YR 2021-22
Antigen Report

Reported Influenza Positive Antigens by Age Group, Arkansas 2021-22

Reported Influenza Positive Antigens by Type, Arkansas 2021-22
Influenza Positive Tests Reported to CDC and ILI Activity, by HHS Region Public Health Labs, 2021-2022 Season, Week Ending May 21, 2022

Values in legend are for the highlighted HHS region (Region 6) for the most recent 3 weeks

Influenza-Like-Illness Activity Level Indicator Determined by Data Reported to ILINet

This system monitors visits for ILI (fever and cough or sore throat), not laboratory confirmed influenza and may capture patient visits due to other respiratory pathogens that cause similar symptoms.
Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, October 3, 2021 – May 21, 2022

Pneumonia, Influenza and COVID Mortality from the National Center for Health Statistics Mortality Surveillance System Data as of May 26, 2022, National Data
Percentage of All Deaths due to Pneumonia, Influenza, and COVID-19, as of May 26, 2022, Arkansas Data