Influenza activity in Davis County is currently at a minimal level. The average school absence rate for Week 49 (4.9%) was slightly elevated compared to last year (see Figure 1). Fewer than five hospitalized influenza cases were reported in Davis County in Week 49, bringing the season total to 8 cases. The influenza-like illness (ILI) rate (1.7%) during Week 49 remains low (see Figure 2).

Figure 1. Elementary School Absence Rate, Davis County, 2019-20, 2018-19, 5-Year Average

Figure 2. Influenza-like-Illness rate and Hospitalized Influenza Cases, by subtype and admission date, Davis County, 2019-20

Influenza-like Illness (ILI) is defined as fever (temperature of ≥ 100°F [37.8°C]), cough, and/or a sore throat without a known cause other than influenza.
INFLUENZA ACTIVITY IN UTAH*

Utah’s influenza rate remained at a low level during Week 49. There were 17 hospitalized influenza cases reported during Week 49 in the state of Utah, with a total of 54 cases so far this season.

Surveillance data for influenza testing in laboratories across Utah indicate that 130 specimens were positive for influenza during Week 49. The predominant circulating virus this week remains influenza B. It is also the predominant circulating virus thus far this season.

*For more information regarding influenza activity in Utah, please visit: https://bit.ly/2Mx18cT.

INFLUENZA ACTIVITY IN THE UNITED STATES**

Influenza activity in the United States continues to increase. During week 48, three states reported sporadic activity, 17 states reported local activity, 14 states (including Utah) reported regional activity, and 16 states reported widespread activity (see Figure 3).

Collaborating clinical laboratories across the United States reported that 10.2% of respiratory specimens tested were positive for influenza in Week 48. Of those, 28.9% were typed as influenza A and 71.1% as influenza B.

The CDC antigenically characterizes virus samples to evaluate vaccine efficacy. Currently, 92.3% of influenza A and 62.5% of influenza B samples were similar to this season’s vaccine. CDC also tests for resistance to four antiviral medications; 99.0% of samples tested show no resistance. Antiviral treatment is recommended as early as possible for patients with serve illness or who require hospitalization.

**For more information regarding influenza activity nationwide, please visit: https://www.cdc.gov/flu/weekly/

<table>
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<th>Positive Specimens by Type/Subtype</th>
<th>Current Week</th>
<th>Season-to-Date</th>
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<tbody>
<tr>
<td></td>
<td>Number</td>
<td>%</td>
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<tr>
<td>Influenza A (2009 H1N1)</td>
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<tr>
<td>Influenza A (H3)</td>
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<tr>
<td>Influenza A (no subtype)</td>
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<tr>
<td>Influenza B</td>
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<td>56.2%</td>
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<tr>
<td>Total</td>
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<td>508</td>
</tr>
</tbody>
</table>

VACCINE INFORMATION

CDC recommends that all persons older than 6 months of age receive an influenza vaccine by the end of October.

Flu shots are available at Davis County Health Department at no out-of-pocket cost for those with contracted health insurance.

For those without insurance:

- Adults (19+ years) can receive the flu shot for $30.
- Seniors (65+ years) can receive high-dose Fluzone® for $45.
- Children and adolescents (<19 years) may receive the vaccine for an $8 fee.

For additional information, call the Immunizations Hotline at (801) 525-5020.

The Davis County Influenza Report is published weekly on Thursdays during influenza season. To receive a copy of this report by email or fax, please contact Caitlin Pratt at cpratt@co.davis.ut.us.