

About Us

The Two Rivers Public Health Department (TRPHD) serves a population of 97,423 across seven counties in South-Central Nebraska, spanning 4,663 square miles. TRPHD is the 4th largest health district in Nebraska, its population mostly clustered around the I-80 corridor. Over 3/4th of residents live in Buffalo & Dawson, 10% in Phelps, and 15% in Kearney, Harlan, Franklin and Gosper Counties in decreasing order. The largest cities are Holdrege (pop. 5,515), Lexington (pop. 10,348) and Kearney (pop. 33,790); over half of the residents of TRPHD live in these three cities, over a third in Kearney city alone.

TRPHD engages collaborative partners, community leaders, and the public to promote healthy and safe communities for all who live within the district. TRPHD envisions a health district where all are able to safely and actively live, learn, work, and play in their communities. TRPHD facilitates collaborative, partnerships, and unique approaches that educate, empower, and engage local community partners, health providers, political decision-makers, community leadership, and the public.

Report Summary

- New flu A cases seem it have dropped this week, continued monitoring will allow for better forecasting.
- Cases of RSV and COVID continue their decline - weekly COVID cases are at the lowest level recorded all year.
- Hospitalizations due to ILI are at the highest weekly number this respiratory disease season. Patients aged 25-49 years seem to have seen a sudden jump in the last week.

This week's report was released late due to a delay in data reconciliation with the most recent update in data occurring on March 3rd. Moving forward, we will release reports on schedule starting this week.

Data Insights

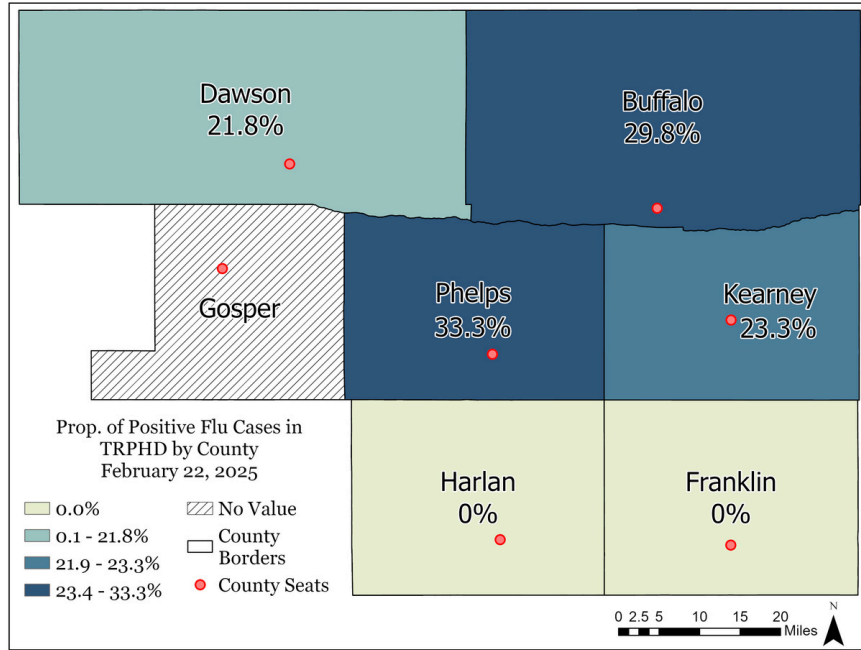
- Overall Respiratory Disease Positivity Rate is calculated by the following equation:
 - We applied a 3% overlap adjustment between Flu A and Flu B positive tests to account for the likelihood that a small percentage of individuals tested positive for both.

$$PR = \frac{((PosFluA + PosFluB - 0.03 \times (TotalFluTests)) + PosRSV + PosCOVID)}{(TotalFluTests + TotalRSVTests + TotalCOVIDTests)}$$

- Flu and RSV county data is collected from Nebraska Flu ILI Surveillance.
- COVID-19 county data is collected from the National Electronic Disease Surveillance System (NEDSS).
- Weekly Case counts of any infection exceeding 150% of the corresponding week in the previous year will trigger an alert for heightened incidence across the district.

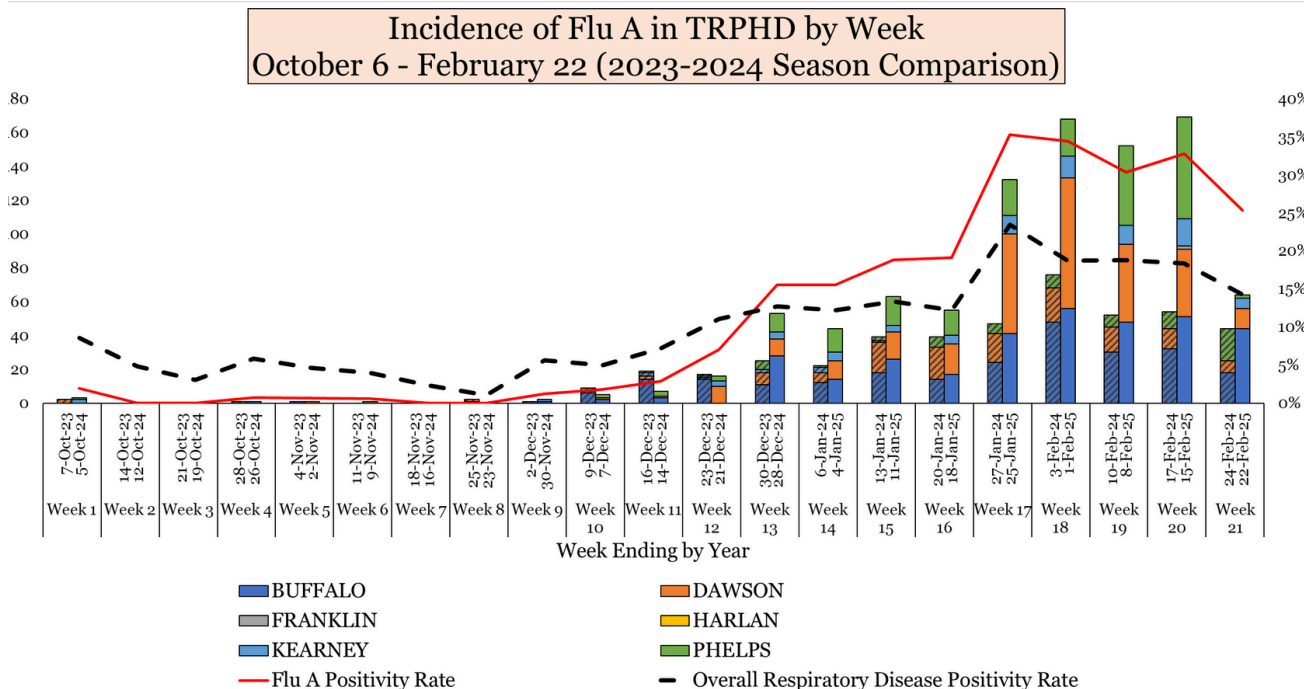
TRPHD Flu Cases

February 22, 2025



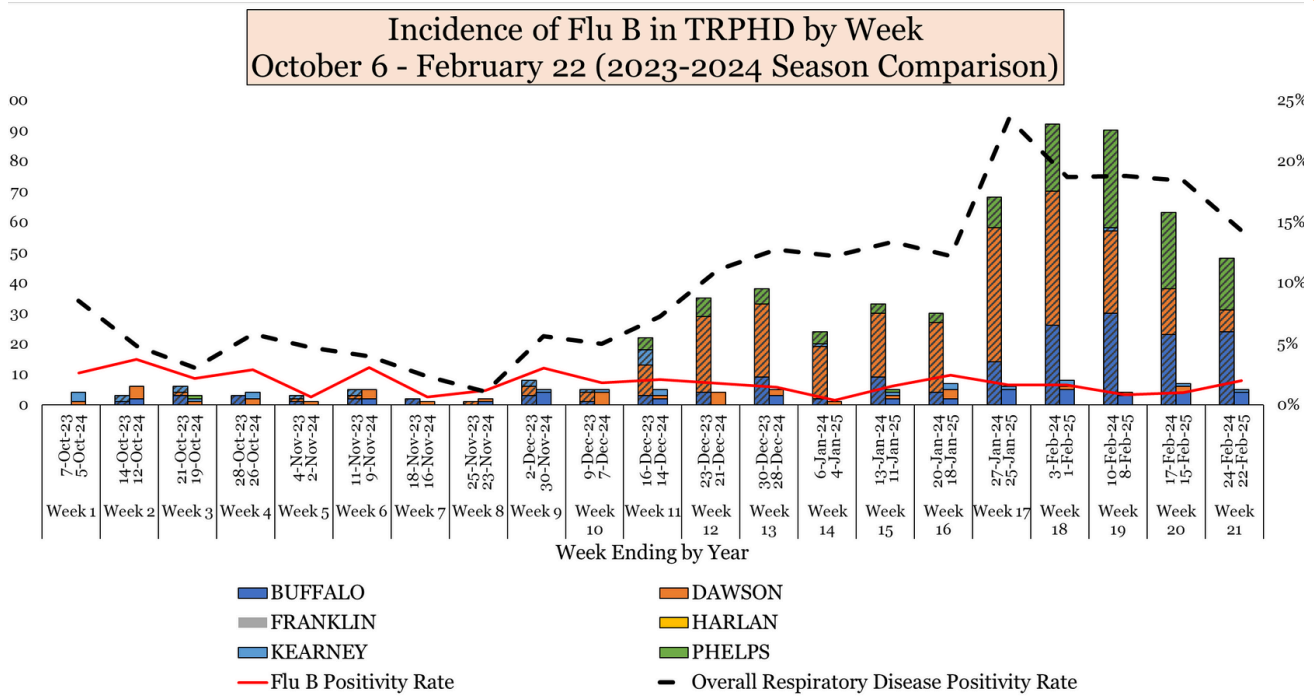
Influenza - A

- Influenza A incidence was high early before dropping off mid-week.
- Incomplete data could possibly be impacting accurate trend analysis and prediction.
- Continued monitoring will enable accurate prediction of flu burden.



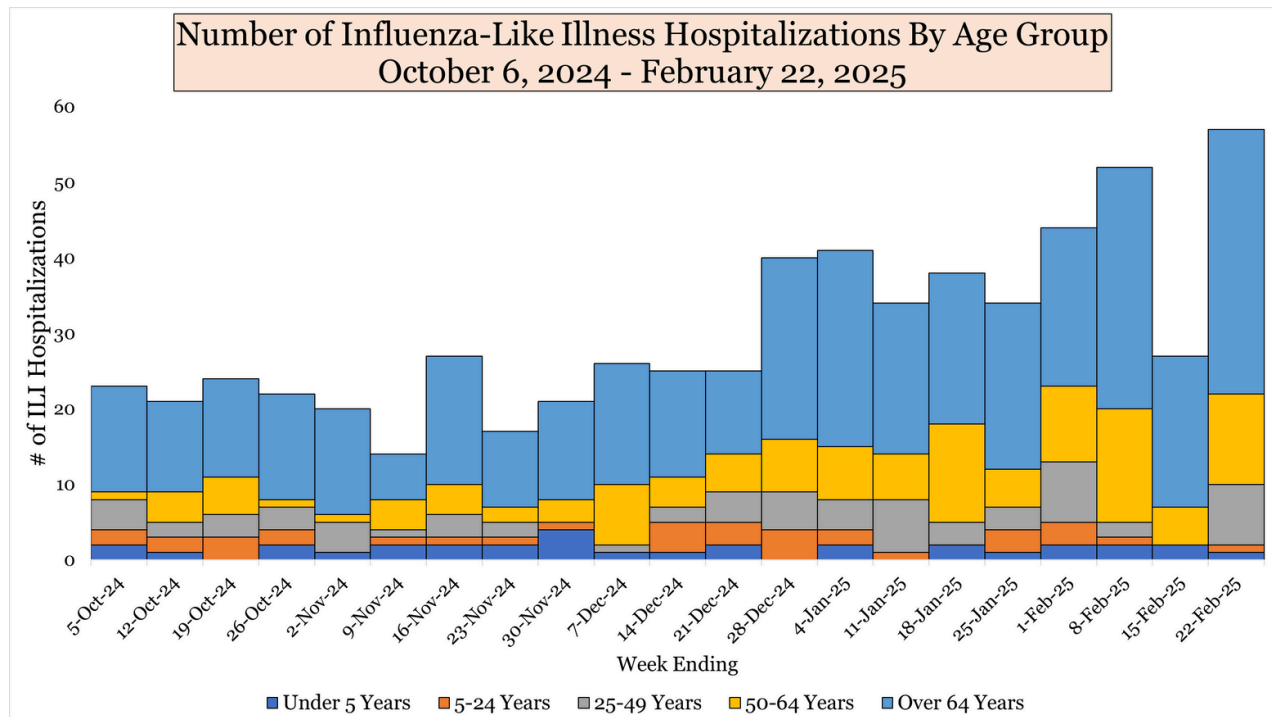
TRPHD Flu Cases

February 22, 2025



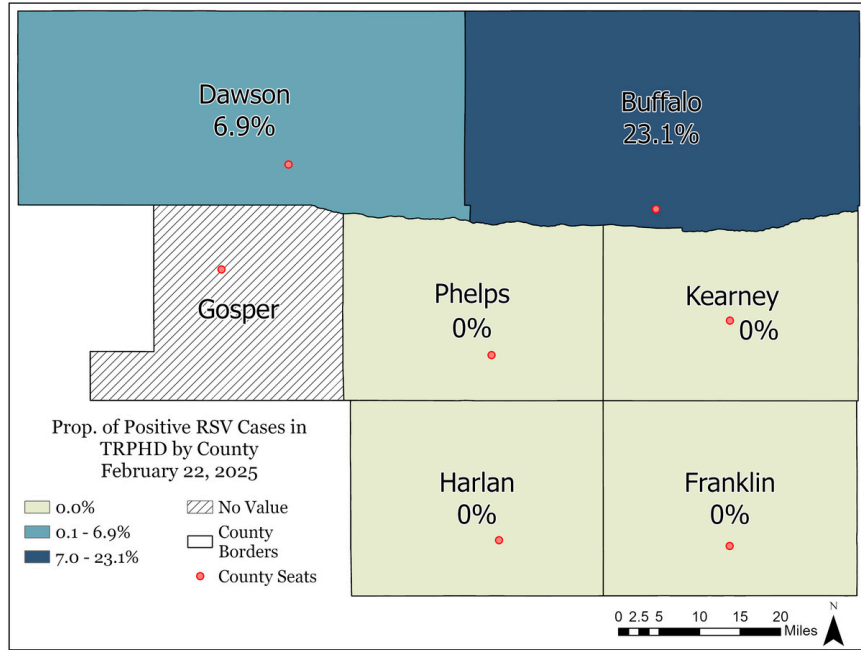
Influenza

- Flu/ILI hospitalizations are at the highest weekly number recorded this season. Rising numbers of persons aged 25-49 years among hospitalizations is significant.



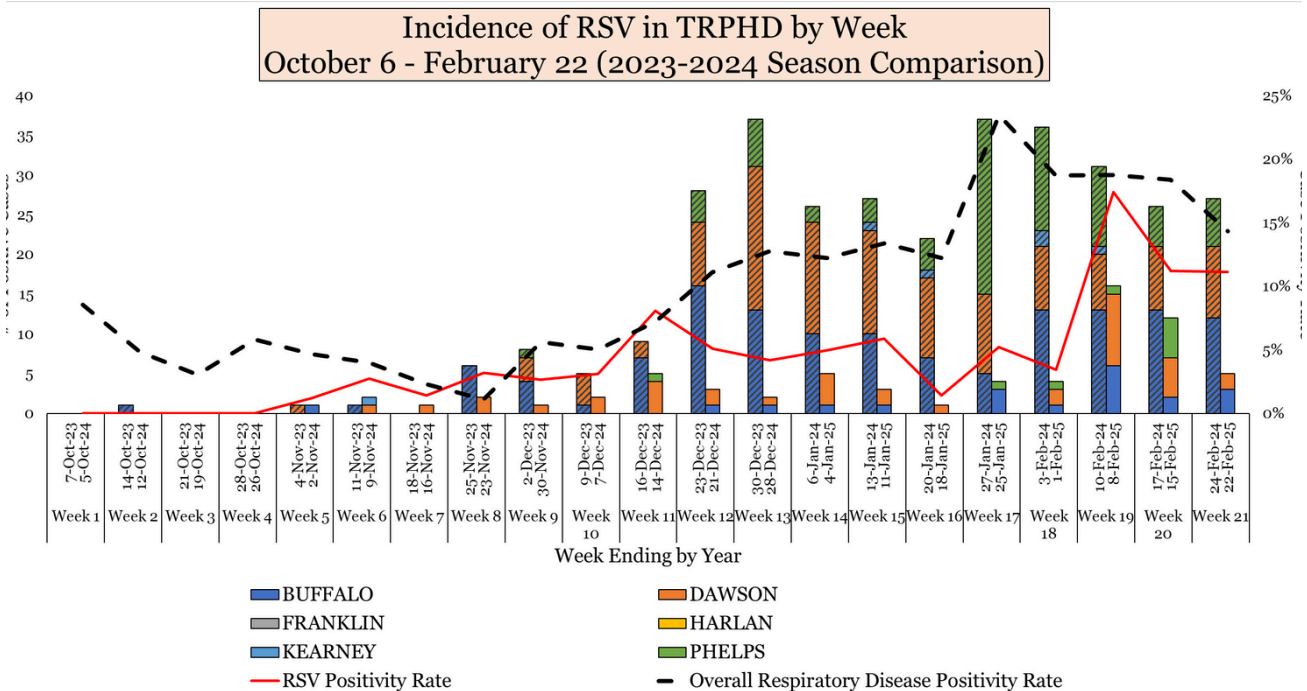
TRPHD RSV Cases

February 22, 2025



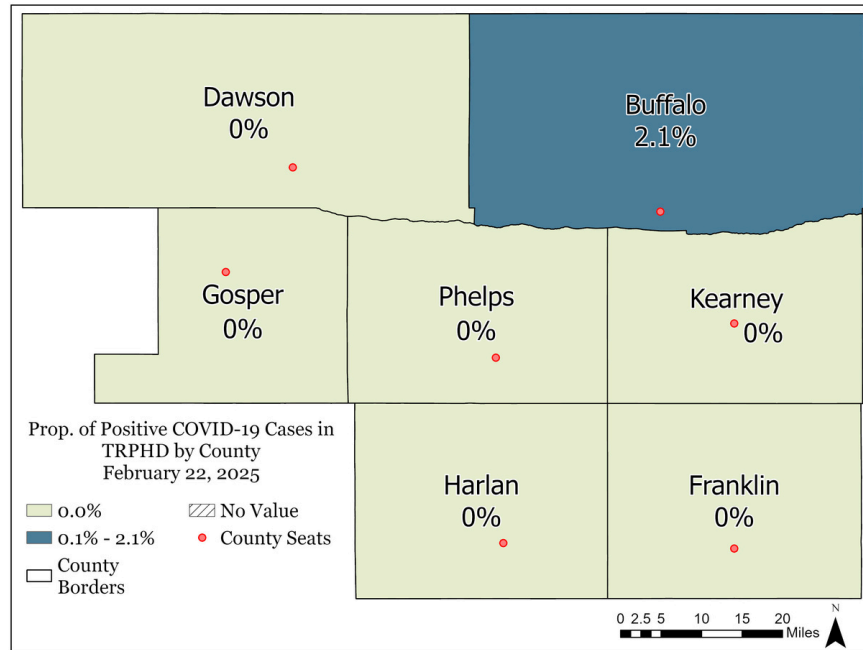
Respiratory Syncytial Virus (RSV)

- RSV cases continued to decline across the last week, after peaking around one month previously.
- The brief rise in new cases appears to have subsided for now.



TRPHD COVID-19 Cases

February 22, 2025



COVID-19

- Only two COVID cases were reported from TRPHD in the last week, following the trend of lower incidence over the past few weeks.
- Incomplete data could be impacting accurate trend analysis and prediction.

