

Brazos County Health District Infectious Disease Surveillance Report - Year 2025

Brazos County Health District conducts ongoing surveillance of reportable infectious diseases to monitor trends, detect outbreaks, and guide prevention efforts. This report summarizes **confirmed cases reported during calendar year 2025**.

A total of **302 reportable disease cases** were documented across **21 conditions**. Most reported illnesses were foodborne, respiratory, or enteric in nature, consistent with prior years.

Summary of Key Findings

- **Campylobacteriosis (80 cases)** and **Salmonella (57 cases)** were the most frequently reported conditions, accounting for nearly half of all reported cases.
- **Pertussis (43 cases)** remained a significant respiratory disease concern, emphasizing the importance of vaccination and early detection.
- **Shiga toxin-producing *E. coli* (STEC) (27 cases)** and **Cryptosporidiosis (18 cases)** highlight continued risks related to food safety and water exposure.
- Several rare but high-impact conditions were reported in low numbers, including **Brucellosis, Dengue, Q Fever, West Nile virus, and invasive Meningococcal disease**, underscoring the importance of continued surveillance even for uncommon diseases.
- **Candida auris (4 cases)** and **CRE/MDRO (12 cases)** reflect ongoing concerns related to antimicrobial resistance in healthcare settings.

See the bar chart below

Fig.1

2025 REPORTED DISEASES

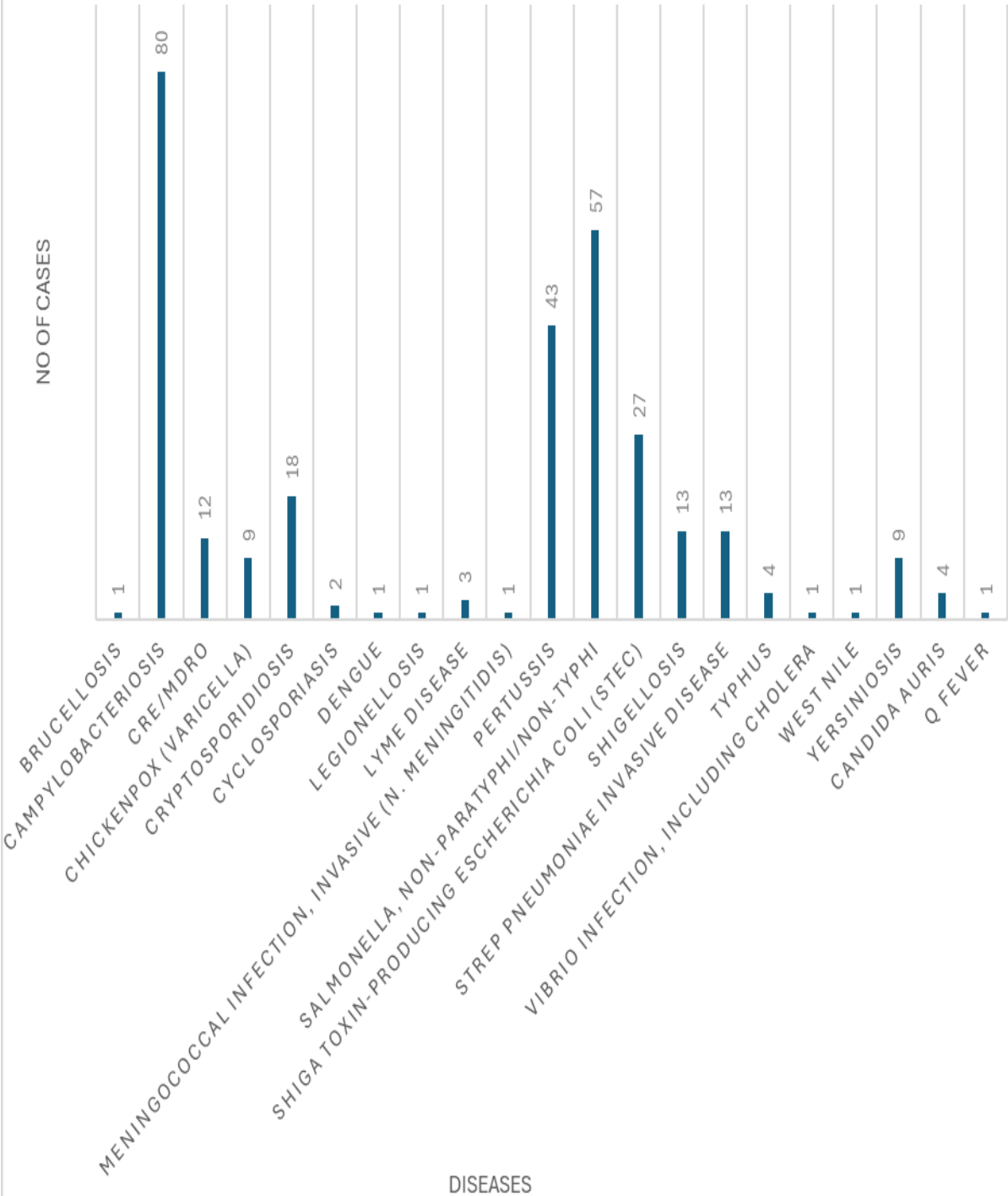
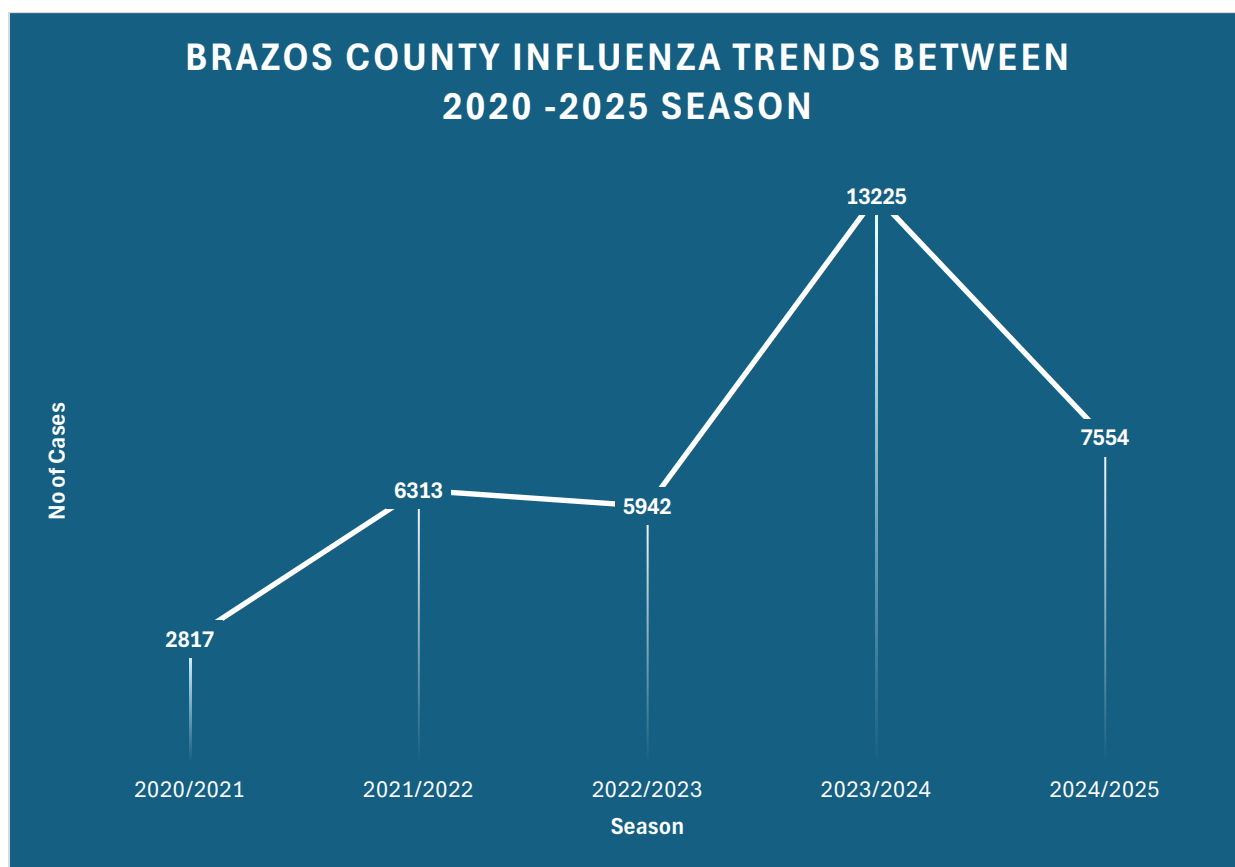


Fig 2.



2020–2025 Influenza Seasons

Brazos County health district conducts ongoing influenza surveillance to monitor seasonal trends, assess disease burden, and support prevention and response activities. Review of influenza data from the 2020–2021 through 2024–2025 seasons demonstrates notable variability in annual case counts, reflecting changes in community transmission, public health measures, and healthcare-seeking behavior.

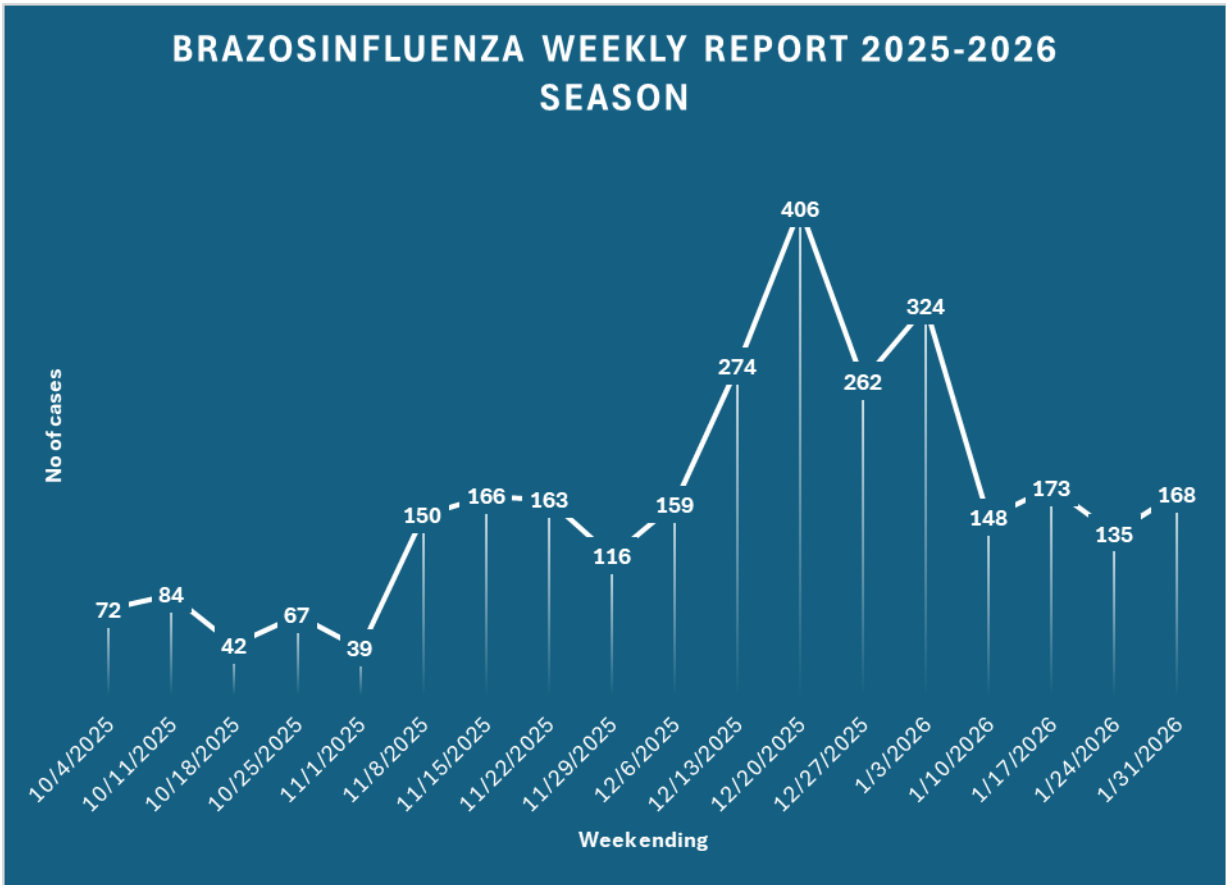
Reported influenza cases increased substantially from 2,817 cases in the 2020–2021 season to 6,313 cases in 2021–2022, followed by a slight decline to 5,942 cases in 2022–2023. The 2023–2024 season recorded the highest influenza activity during the five-year period, with 13,225 reported cases, representing a significant surge compared to previous seasons. During the 2024–2025 season, influenza activity declined to 7,554 cases, though case counts remained higher than pre-peak seasons.

Overall, these trends indicate continued seasonal variability with periods of heightened influenza transmission. The elevated activity observed in recent seasons underscores the

ongoing importance of annual influenza vaccination, early testing and treatment, and community prevention measures, particularly for individuals at increased risk for severe illness.

Brazos County Health will continue to monitor influenza activity, provide timely public health guidance, and promote preventive strategies to reduce the impact of influenza on residents.

Fig 3.



Weekly influenza activity in Brazos County increased from early October through December 2025, peaking during the week ending December 20 with 406 reported cases. Elevated activity continued into early January 2026, followed by a gradual decline. Ongoing surveillance supports timely public health response and prevention efforts.

Source: Brazos County influenza surveillance data. Data are provisional and subject to change. Annual influenza vaccination is recommended for all eligible individuals