

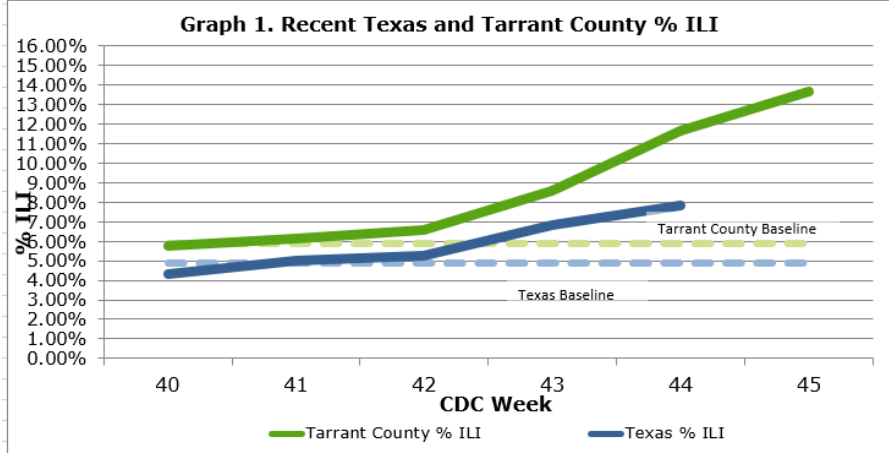
Tarrant County Public Health
Division of Epidemiology and Health Information



Tarrant County Influenza Surveillance Weekly Report
CDC Week 45: November 06–November 12, 2022

**Influenza Activity Code:
County and State Levels**

Tarrant County: Week 45
Widespread
Tarrant County: Week 44
Widespread
Texas: Week 44
Very High

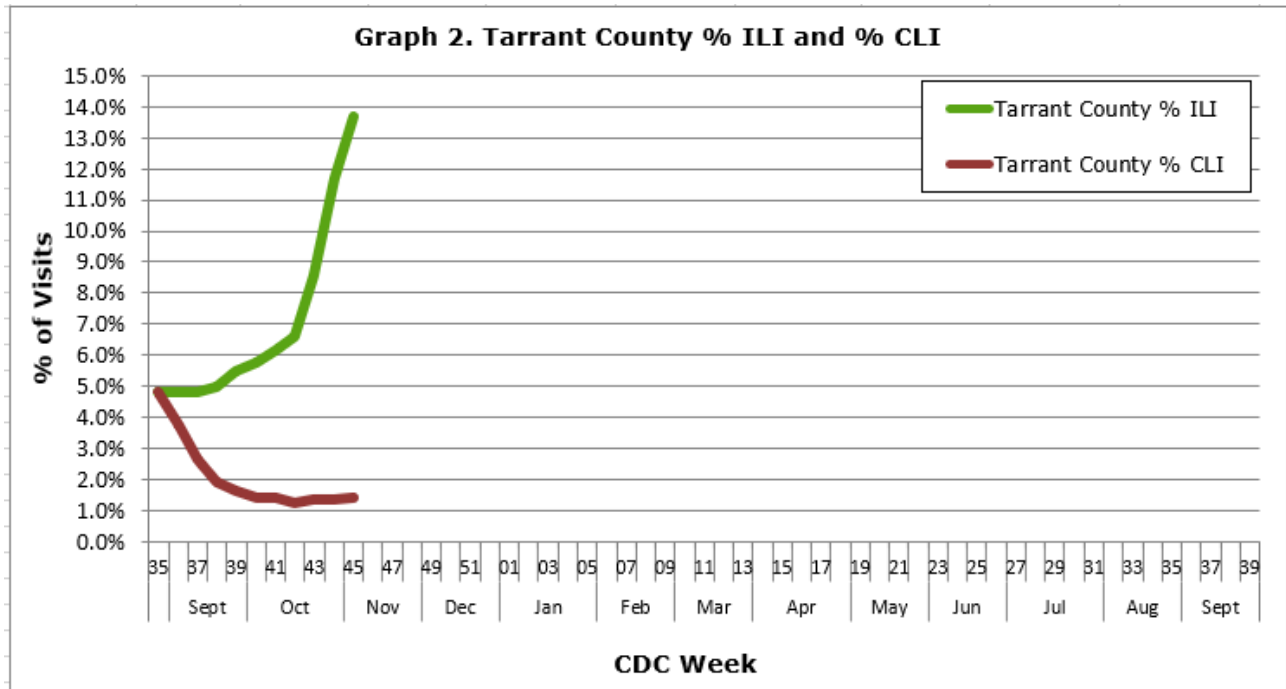


NOTE: The COVID-19 outbreak unfolding in the United States may affect healthcare seeking behavior which in turn would impact ILI data.

Respiratory Virus Activity Summary

- The percentage of reported influenza-like illness (ILI) in Tarrant County increased from 11.7% in week 44 to 13.7% in week 45 and is currently above the 2022-2023 Tarrant County baseline (5.9%).
- The percentage of all cause school absenteeism was 6.7% during week 45 in Tarrant County. Absenteeism due to ILI and school nurse office visits due to ILI were 23.6% and 8.0% respectively during week 45 in Tarrant County.
- The percentage of flu test positives in Tarrant County increased from 17.4% in Week 44 to 19.2% in Week 45.
- Based on data from the Electronic Surveillance System for the Early Notification of Community-based Epidemics, the percentage of patients hospitalized following ER visits who were diagnosed with influenza was 2.0% in week 45.
- During the 2022-2023 influenza season, as of Week 45, 0 Tarrant County influenza-associated pediatric deaths have been reported. As of Week 44 0 influenza-associated pediatric deaths have been reported in Texas, with a total of 5 reported in the United States for 2022-2023.
- During the 2022-2023 influenza season, 5 influenza outbreak(s) have been reported in Tarrant County within institutions in Tarrant County.
- Since last report, 16 surveillance specimens were tested. Cumulatively this season, the North Texas Regional Laboratory at Tarrant County Public Health has tested 116 surveillance specimens and of these, 41 have been positive for influenza and 13 have been positive for SARS-CoV-2.
- In Texas during Week 44 the proportion of outpatient visits for ILI, 7.8%, was above the state baseline of 4.6%.
- Nationally during Week 44, 12.8% of specimens tested and reported to the CDC were positive for influenza. The proportion of outpatient visits for ILI (5.5%) was above the national baseline (2.5%). The proportion of deaths in Week 44 attributed to pneumonia, influenza, and COVID-19 from the National Center for Health Statistics (9.0%) was above the epidemic threshold (6.1%).

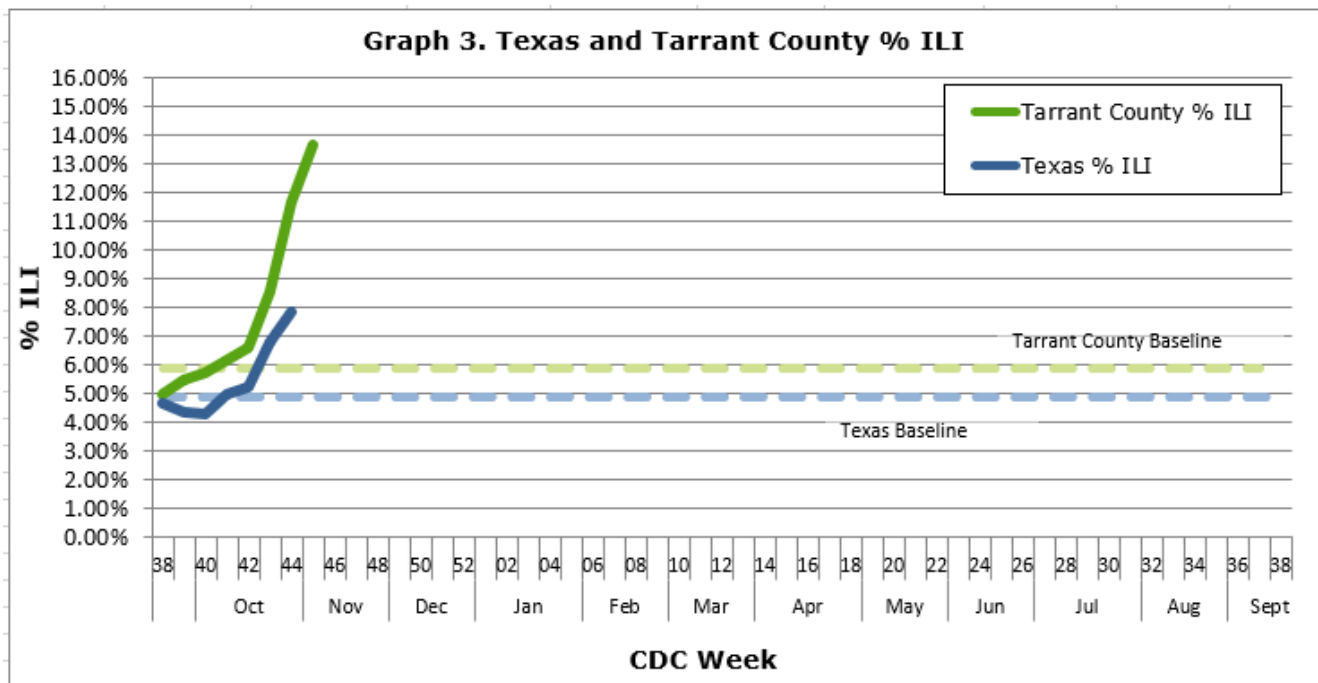
Influenza Like Illness (ILI) and COVID-19 Like Illness (CLI)



COVID-19-like illness is defined as visits with a mention of Fever AND (Cough OR Shortness of Breath OR Difficulty Breathing) AND NOT (Influenza Diagnosis). These counts do not reflect confirmed diagnosis of COVID-19.

NOTE: Tarrant County ILI and CLI activity are assessed using information available from the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE). ILI and CLI visits are determined by identifying key terms and codes within the chief complaint field (i.e. the patients stated reason for visit), and diagnosis code field (i.e. ICD-9-CM and ICD-10-CM codes).

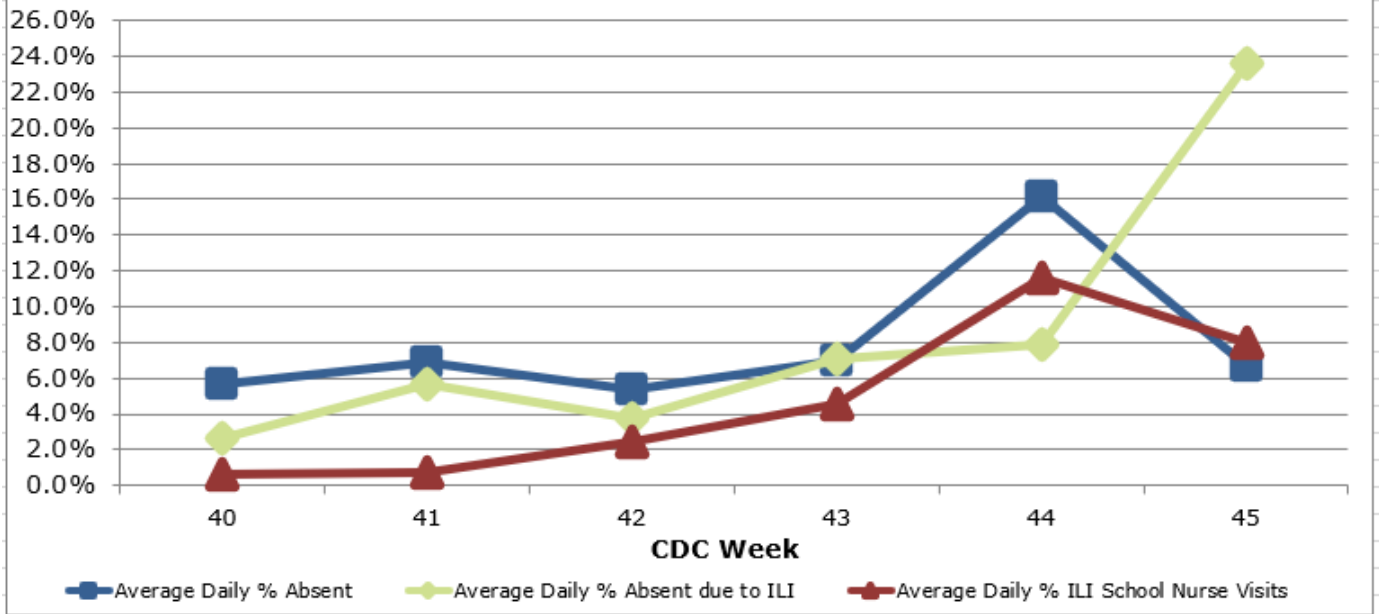
Influenza Like Illness (ILI)



In Week 45, 13.7% of visits to health care providers were due to ILI. ILI levels are currently above the county established baseline of 5.9% and are higher than the state of Texas levels from the week prior.

School Absenteeism

Graph 4. Absenteeism and ILI, Tarrant County



The percentage of all cause school absenteeism was 6.7% during week 45 in Tarrant County. Absenteeism due to ILI and school nurse office visits due to ILI were 23.6% and 8.0% respectively during week 45 in Tarrant County.

Influenza Test Results

Table 1. Influenza Test Results, Tarrant County

CDC Week Number	43	44	45
# Influenza Tests Performed	4533	5147	7779
% Influenza Positive	10.6%	17.4%	19.2%
# Influenza A Positive	445	840	1413
% Influenza A Positive	92.3%	93.7%	94.4%
# Influenza B Positive	37	57	84
% Influenza B Positive	7.7%	6.3%	5.6%
# Non-differentiated Positive	0	0	0
% Non-differentiated Positive	0.0%	0.0%	0.0%

NOTE: Tarrant County influenza test results are reported weekly by influenza surveillance participants. For CDC Week 45, rapid influenza test results were reported by 10 hospitals, 1 clinic, and 1 university.

North Texas Regional Lab Influenza, SARS-CoV-2 Test Results

Table 2. North Texas Regional Laboratory: Respiratory Virus Results¹

	Current Week	2022-2023 Season
Number of Specimens Tested	16	116
Positive Specimens	10 (62.5%)	53 (45.7%)
Influenza A	9 (90.0%)	41 (77.4%)
Influenza A H1	4 (44.4%)	13 (31.7%)
Influenza A H3	5 (55.6%)	28 (68.3%)
Influenza A, Inconclusive subtype	0 (0.0%)	0 (0.0%)
Influenza A, Unsubtypeable ²	0 (0.0%)	0 (0.0%)
Influenza B	0 (0.0%)	0 (0.0%)
Influenza B Yamagata ³	-	-
Influenza B Victoria ³	-	-
Influenza B, Inconclusive	-	-
SARS-CoV-2⁴	1 (10.0%)	12 (22.6%)
Inconclusive⁵	0	0

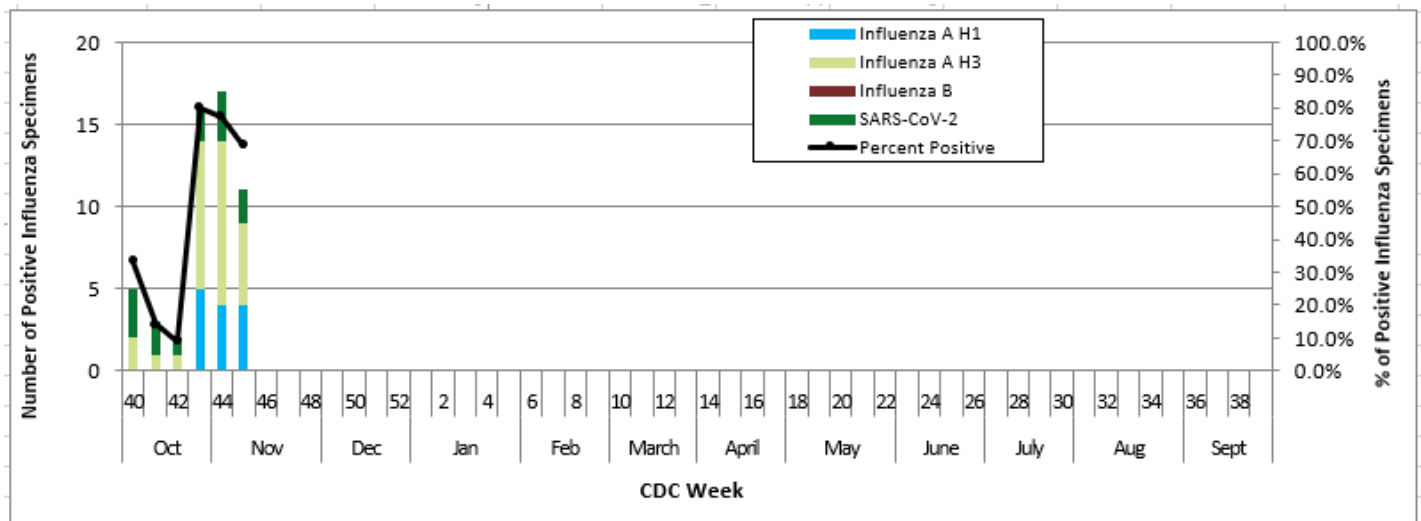
¹ Laboratory results based on real-time PCR analysis; information is for the 2020-2021 season.

² Influenza A subtype not determined; further analysis pending

³ Influenza B genotyping is only included in current week column if genotyping occurred in the same week as original PCR testing.

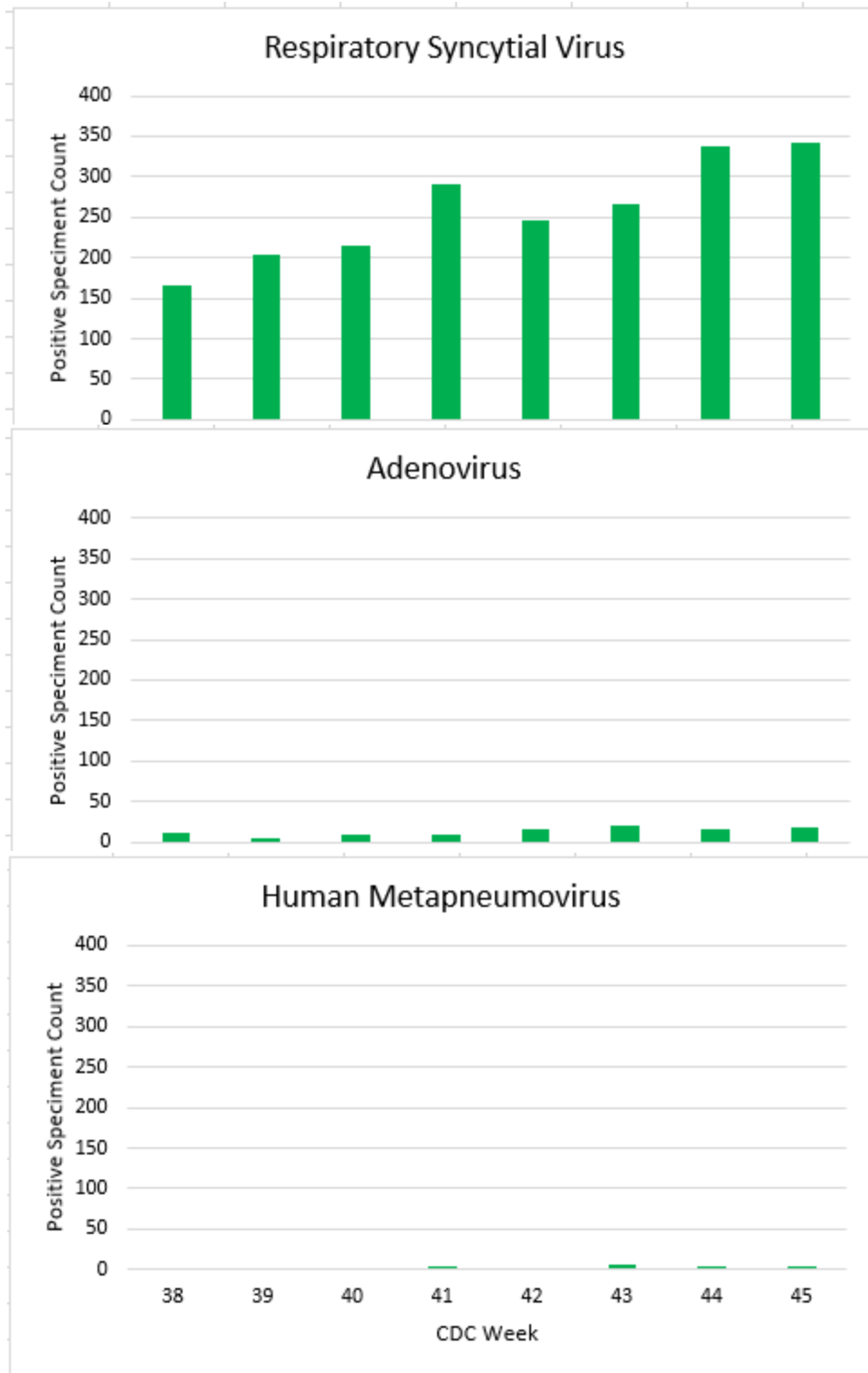
⁴ Specimens that contain influenza co-infections with SARS-CoV-2 are not included in the SARS-CoV-2

Graph 5. North Texas Regional Laboratory: Influenza and SARS-CoV-2 Virus Results¹



Since last report, 16 surveillance specimens were tested for influenza and SARS-CoV-2. Percent positivity for week 45 was 68.8% with 5 testing positive for Influenza A H3, 4 testing positive for Influenza A H1, 0 testing positive for Influenza B, and 1 testing positive for SARS-CoV-2.

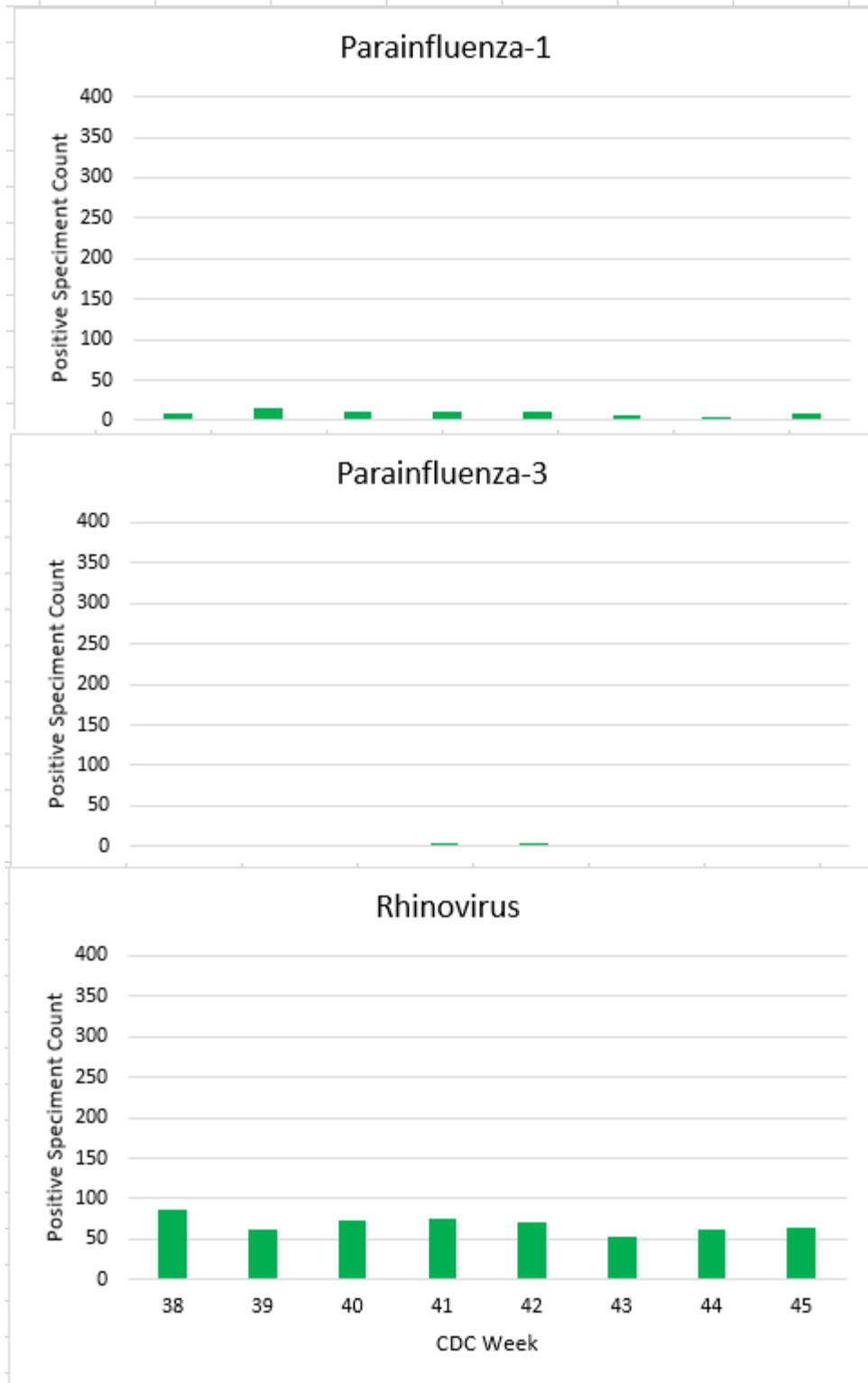
Tarrant County NREVSS Test Results



The National Respiratory and Enteric Virus Surveillance System (NREVSS) is a laboratory-based system that monitors temporal and geographic circulation patterns (patterns occurring in time and place) of respiratory syncytial virus (RSV), human parainfluenza viruses (HPIV), human metapneumovirus (HMPV), respiratory adenoviruses, human coronavirus, rotavirus, and norovirus. In this surveillance system, participating U.S. laboratories voluntarily report weekly to CDC the total number of weekly aggregate tests performed to detect these viruses, and the weekly aggregate positive tests.

NOTE: Enteric viruses are not included in the TCPH Influenza report. Parainfluenza II has been omitted due to infrequent incidence.

Tarrant County NREVSS Test Results

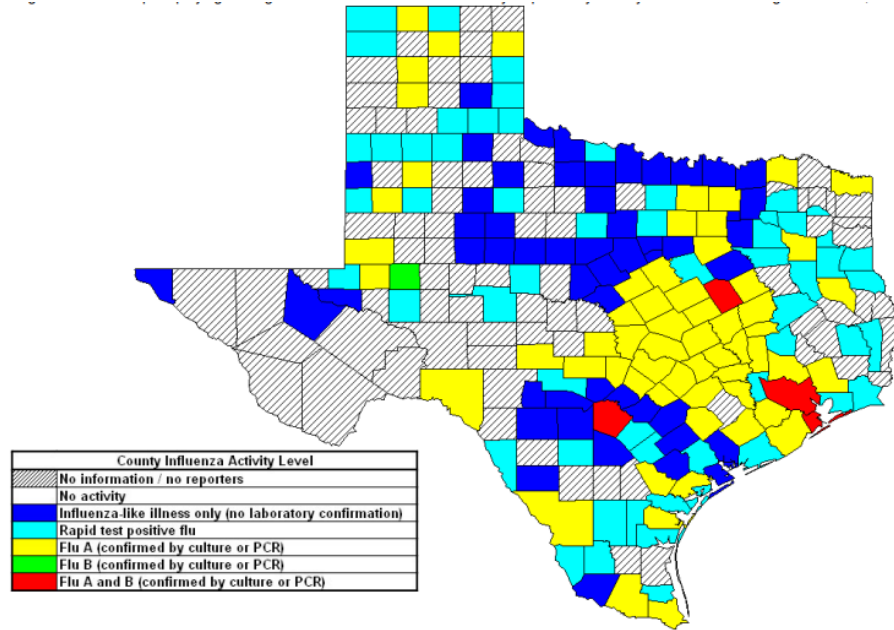


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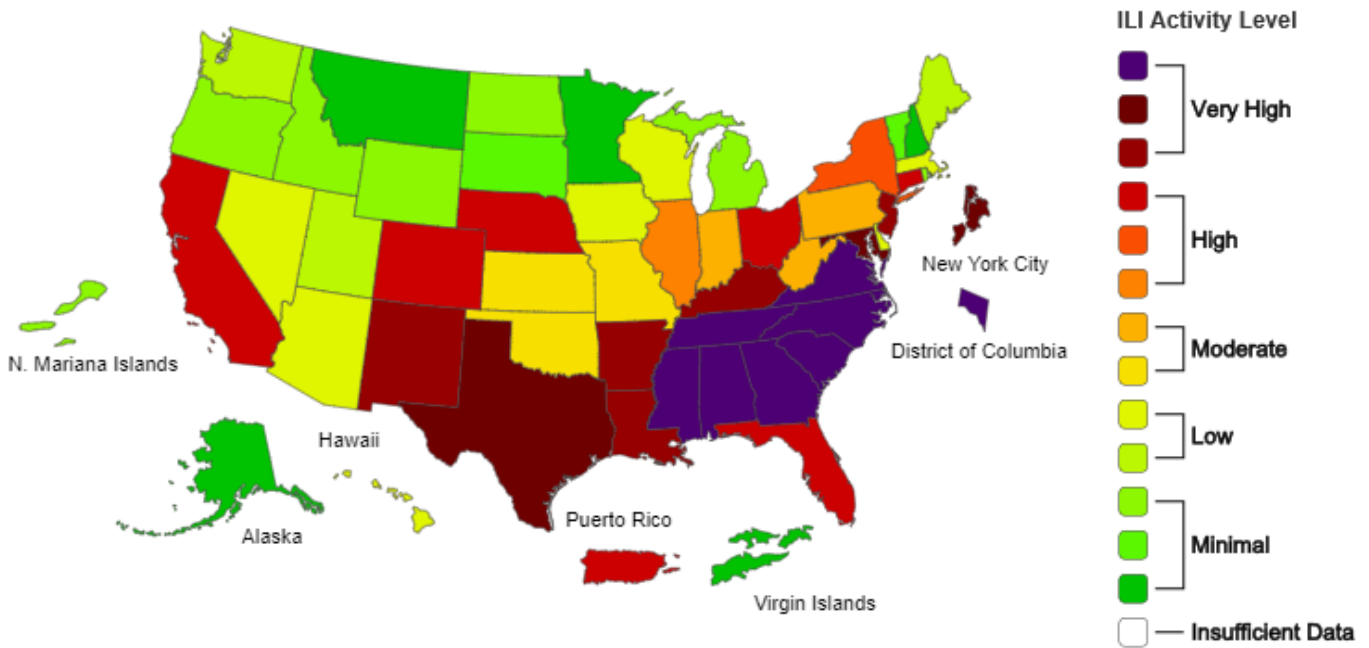
Texas and National Influenza and ILI Activity

Map 1: Texas County Specific Influenza Activity, CDC Week 44



Influenza activity level corresponds to current MMWR week only and does not reflect previous weeks' activity. The majority of influenza cases are not reportable by law to the Texas Department of State Health Services. This map contains data from sentinel sites and does not represent all influenza cases in the state. Positive laboratory results are reported according to specimen collection date or date received in the lab if the former is unknown. <https://www.dshs.texas.gov/IDCU/disease/influenza/surveillance/2020-2021.aspx>

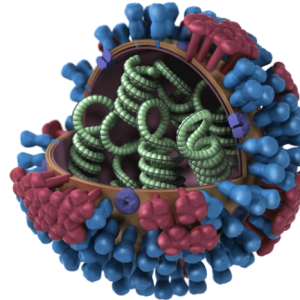
Map 2: ILINet Activity Indicator Map, CDC Week 43



Data collected in ILINet are used to produce a measure of ILI activity by state. Activity levels are based on the percent of outpatient visits in a state due to ILI and are compared to the average percent of ILI visits that occur during spring and fall weeks with little or no influenza virus circulation. This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels. Data collected in ILINet may disproportionately represent certain populations within a state, and therefore, may not accurately depict the full picture of influenza activity for the whole state. <http://www.cdc.gov/flu/weekly/>

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*The Tarrant County Influenza
Surveillance Weekly Report* is
available on the Tarrant County Public
Health web site at:

flu.tarrantcounty.com

**If you have questions or comments
regarding influenza surveillance,
please contact:**

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NOTE:

Influenza-like Illness (ILI) is defined as fever (temperature $\geq 100^{\circ}\text{F}$) plus a cough OR a sore throat, in the absence of a known cause other than influenza.

Tarrant County reporting quadrants consist of Northwest, Northeast, Southwest and Southeast regions within the boundaries of Interstate 35 and Interstate 30.

Tarrant County ILI baselines were determined using a similar method as the Centers for Disease Control Prevention Regional ILI baselines and Texas Department of State Health Services Texas baseline. Regional ILI baselines are determined by the Centers for Disease Control and Prevention and can be accessed at <http://www.cdc.gov/flu/weekly/overview.htm>

Additional information regarding Tarrant County, Texas and national ILI activity can be accessed at
flu.tarrantcounty.com

<https://www.dshs.texas.gov/IDCU/disease/influenza/surveillance/2022-2023-Texas-Influenza-Surveillance-Activity/>

<http://www.cdc.gov/flu/weekly/>

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