



Dallas County Health and Human Services 2023–2024 Influenza Surveillance Report

Week 16 ending April 20, 2024

Epidemiologic Summary

- 4.2% of Influenza tests returned positive during week 16 within Dallas County.
- Five Influenza-associated hospitalizations were reported during week 16 within Dallas County.
- Zero influenza-associated pediatric deaths have been reported during the 2023-2024 season in Dallas County.
- The overall school absenteeism rate was 5.5% of which 0.02% was attributed to influenza-like illness during week 16 of the schools reporting within Dallas County.
- 0.9% of RSV tests returned positive during week 16 in North Texas.

Table 1. Summary of Influenza Surveillance from Dallas County Hospitals and Hospital Laboratories

Week Ending	3/9	3/16	3/23	3/30	4/6	4/13	4/20	9/3/23– Present
CDC Week	10	11	12	13*	14*	15*	16*	
Total Influenza PCR Tests	2,286	1,468	1,272	1,485	610	529	555	62,687
Number of positive PCR tests	194	85	65	54	8	12	10	6,223
Percent of positive PCR tests	8.5	5.8	5.1	3.6	1.3	2.3	1.8	
Total Rapid Influenza Diagnostic Tests	141	260	488	224	215	213	190	22,789
Number of positive RIDTs	18	28	47	21	23	17	21	3,707
Percent of positive RIDTs	12.8	10.8	9.6	9.4	10.7	8.0	11.1	
Total Influenza Tests Performed	2,427	1,728	1,760	1,709	825	742	745	85,476
Total positive influenza tests ¹	212	113	112	75	31	29	31	9,930
Percent positive influenza tests	8.7	6.5	6.4	4.4	3.8	3.9	4.2	
Positive influenza A tests ²	114	52	55	49	15	16	12	5,834
Positive influenza B tests	98	61	57	26	16	13	19	4,096

¹ Includes positive rapid antigen, PCR, DFA, or culture results

² Further subtyping is performed only by select hospital laboratories for specimens referred to DCHHS by institutions for PCR-testing

³ Non-differentiated refers to rapid test results which did not differentiate between influenza A and B

Table 2. Summary of Influenza Hospitalizations and Deaths from Dallas County Hospitals, Vital Statistics and Medical Examiner’s Office

Week Ending	3/9	3/16	3/23	3/30	4/6	4/13	4/20	9/3/23– Present
CDC Week	10	11	12	13*	14*	15*	16*	
Influenza hospitalizations ⁴	25	8	14	8	1	4	5	1,379
Influenza ICU admissions ⁴	3	1	1	2	0	1	1	221
Confirmed pediatric deaths ⁵	0	0	0	0	0	0	0	0

⁴ Reflects all influenza-associated hospitalizations reported from 10 hospitals located within Dallas County by week of any positive influenza tests.

⁵ Confirmed influenza-associated deaths of Dallas County residents <18 years of age

Table 3. Confirmed Influenza-associated Pediatric and Adult Deaths, Dallas County: 2017–2024 Seasons

	2017–2018	2018–2019	2019–2020	2021–2022	2022–2023	2023–2024
Pediatric	4	1	3	0	1	0
Adult	79	21	22	2	..**	..**

Data source(s): Reports of confirmed influenza-associated deaths, as defined in Table 2.

**The Data is not accurately available. Adult death is not reportable condition and not all adult death are reported to DCHHS.

*Indicates preliminary results which are subject to change with late-arriving data from surveillance sites designated for DCHHS’ seasonal influenza program

Figure 1. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2023—2024 Season

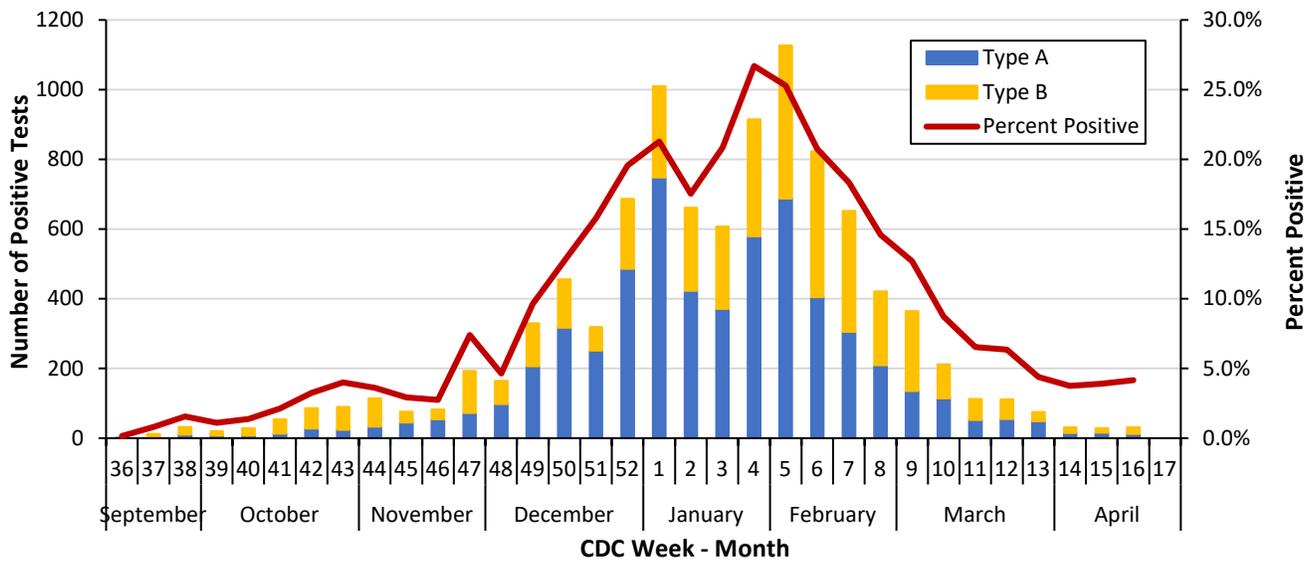


Figure 2. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2018—2019 and 2022-2024 Seasons

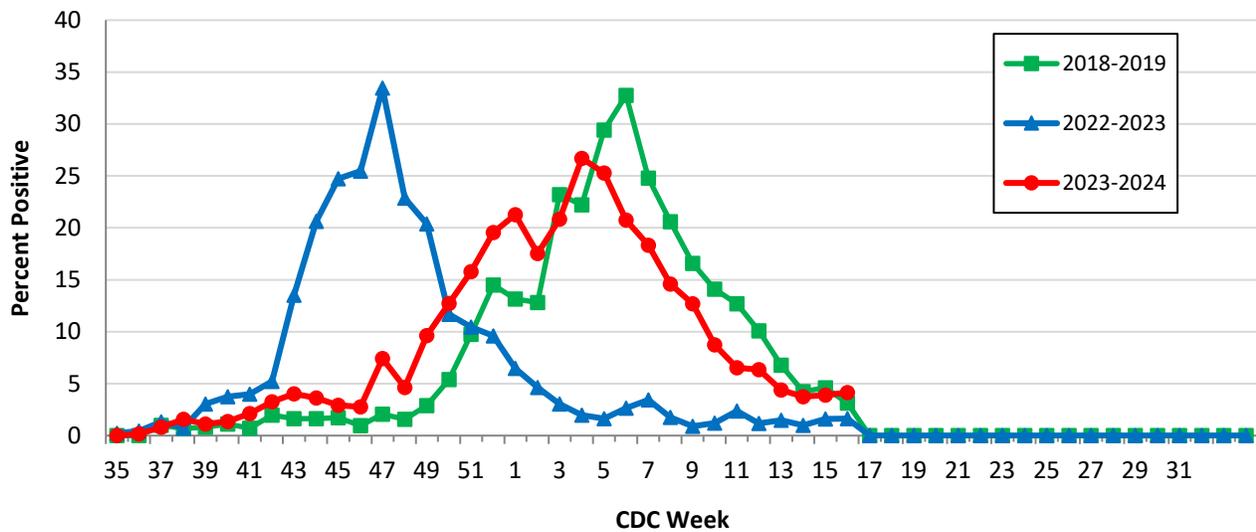


Table 4. Influenza Typing and Subtyping from Cumulative Dallas County, Texas, and U.S. Laboratory Surveillance Data: 2023—2024 Season

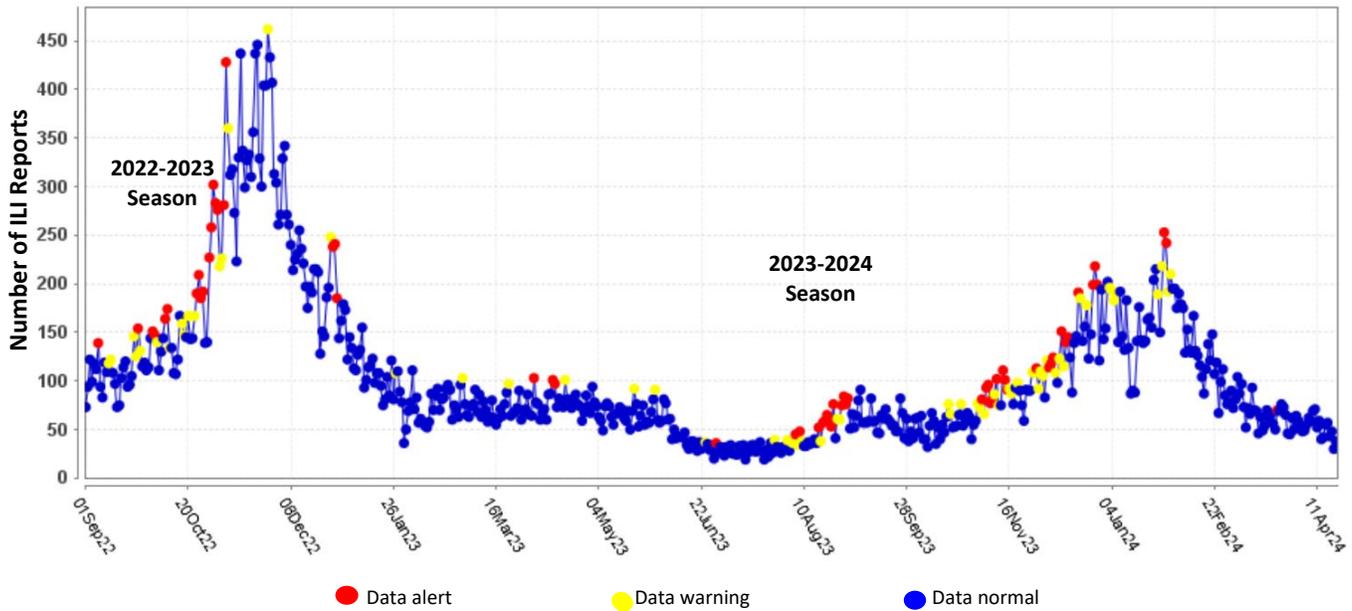
	Dallas ¹ (n=108)	Texas ² (n= 2,130)	U.S. ³ (n=102,610)
Influenza A	24 (75.0%)	486 (60.6%)	25,982 (76.6%)
H1N1 2009 subtype	19 (79.2%)	305 (66.2%)	14,982 (69.7%)
H3N2 subtype	5 (20.8%)	156 (33.8%)	6,511 (30.3%)
Not subtyped	0	25	4,489
Influenza B	8 (25.0%)	316 (39.4%)	7,928 (23.4%)
Yamagata strain	0 (0.0%)	0 (0.0%)	0 (0.0%)

¹ DCHHS LRN laboratory PCR testing of designated Dallas County surveillance site isolates; counts may not sum to total as samples can test positive for multiple subtypes

² DSHS 2023–2024 Texas Influenza Surveillance Information Activity Report available at <https://www.dshs.texas.gov/texas-respiratory-virus-surveillance-report>

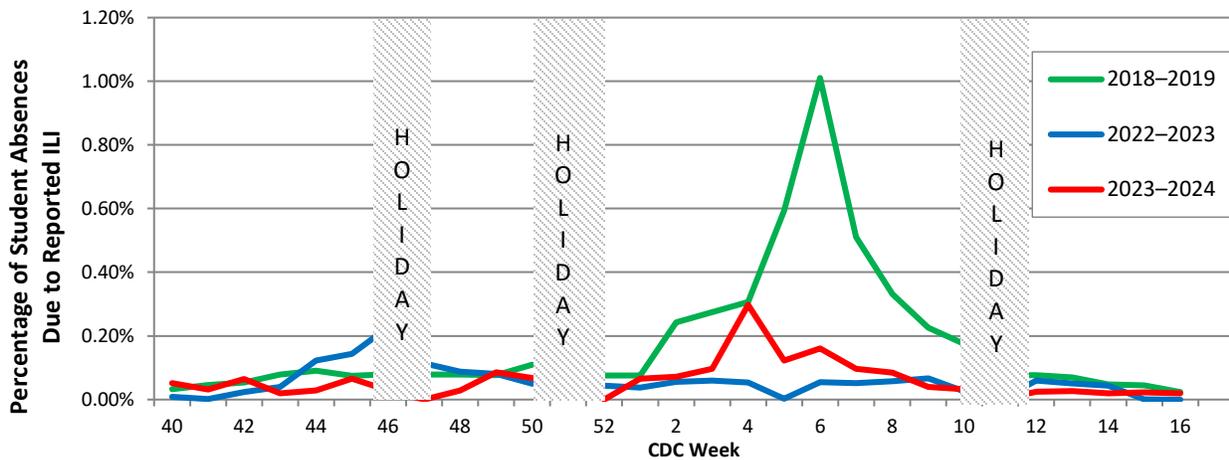
³ CDC FluView Weekly Influenza Surveillance Report available at <http://www.cdc.gov/flu/weekly/> *Only a subset of influenza B had lineage testing performed

Figure 3. Syndromic Surveillance of Emergency Department Visits for Influenza-like Illness (ILI), Dallas County: September 1, 2022 – April 20, 2024



Data source: 18 emergency departments in Dallas County hospitals participating in the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) voluntarily reporting the numbers of persons presenting with self-reported chief complaints of ILI.

Figure 4. Percentage of Student Absences Due to ILI by Week, Dallas County: 2018–2019 and 2022–2024 Seasons



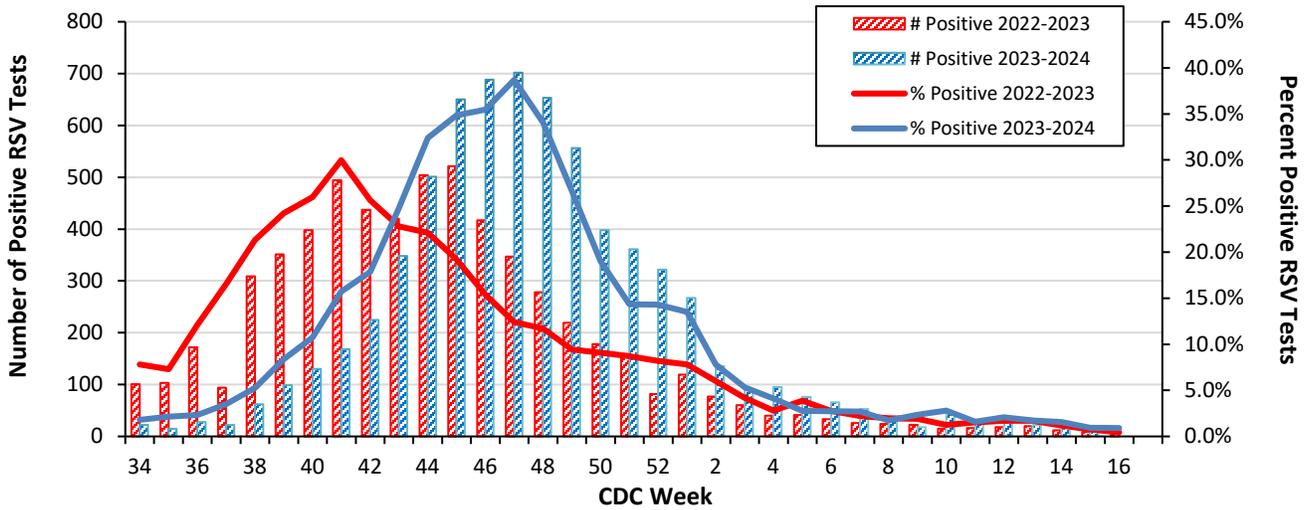
Data source: Voluntary reporting from Independent School Districts, private, and charter School representing over 600 elementary, middle, and secondary schools and over 344,000 students in Dallas County

Table 5. Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 16.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	447	23	5.2
HMPV	2	447	48	10.7
Parainfluenza virus	2	447	37	8.3
Rhinovirus/Enterovirus	2	447	157	35.1
RSV	2	549	5	0.9
COVID-19	2	521	7	1.3

Data source: National Respiratory and Enteric Virus Surveillance System (NREVSS) and hospitals reporting directly to DCHHS

Figure 5. Number and Percent Positive RSV Rapid Antigen and PCR Tests by Week, NREVSS Surveillance Data, North Texas: 2022-2023 and 2023-2024 Seasons



Data source: National Respiratory and Enteric Virus Surveillance System (NREVSS) and hospitals reporting directly to DCHHS

Table 6. Number and Percent Positive RSV Rapid Antigen and PCR Tests by Week, NREVSS Surveillance Data, North Texas: September 3, 2023 – April 20, 2024

Week Ending	3/9	3/16	3/23	3/30	4/6	4/13	4/20	9/3/23–Present
CDC Week	10	11	12	13*	14*	15*	16*	
RSV tests performed weekly	1,615	1,490	1,346	1,280	1,356	1,302	549	53,628
Total positive RSV tests	45	24	28	22	21	12	5	6,904
Percent positive RSV tests	2.8	1.6	2.1	1.7	1.6	0.9	0.9	

*Indicates preliminary results which are subject to change as adjustments are made for late-arriving data

Data source: National Respiratory and Enteric Virus Surveillance System (NREVSS)

Please report any of the following patients to DCHHS:

- **Deaths of pediatric patients with confirmed influenza** (any subtype). We are requesting all pediatric influenza-associated deaths to be reported to facilitate specimen procurement and testing. (Please report *within 1 workday*).
- Suspected influenza infections involving institutional **outbreaks** (Please report *immediately*).
- Patients with **Novel influenza**. (Please report *immediately*).

Phone: **(214) 819-2004**

Email: **influenza.influenza@dallascounty.org**