



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

Week 52 ending December 30, 2023

Epidemiologic Summary

- 19.6% of Influenza tests returned positive during week 52 within Dallas County.
- Ninety-seven Influenza-associated hospitalizations were reported during week 52 within Dallas County.
- Zero influenza-associated pediatric deaths have been reported during the 2023-2024 season in Dallas County.
- School absenteeism data is unavailable this week due to the holiday.
- 14.3% of RSV tests returned positive during week 52 in North Texas.

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

Week Ending	11/18	11/25	12/2	12/9	12/16	12/23	12/30	9/3/223–Present
CDC Week	46	47	48	49*	50*	51*	52*	
Total Influenza PCR Tests	1,971	1,238	2,356	1,819	2,488	1,972	2,810	29,526
Number of positive PCR tests	35	55	72	143	273	315	539	1,533
Percent of positive PCR tests	1.8	4.4	3.1	7.9	11.0	16.0	19.2	
Total Rapid Influenza Diagnostic Tests	1,005	1,366	1,199	1,603	1,099	48	702	13,424
Number of positive RIDTs	47	138	93	187	183	4	148	1,213
Percent of positive RIDTs	4.7	10.1	7.8	11.7	16.7	8.3	21.1	
Total Influenza Tests Performed	2,976	2,604	3,555	3,422	3,587	2,020	3,512	42,950
Total positive influenza tests ¹	82	193	165	330	456	319	687	2,746
Percent positive influenza tests	2.8	7.4	4.6	9.6	12.7	15.8	19.6	
Positive influenza A tests ²	54	72	98	207	317	251	486	1,658
Positive influenza B tests	28	121	67	123	139	68	201	1,088

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	11/18	11/25	12/2	12/9	12/16	12/23	12/30	9/3/23–Present
CDC Week	46	47	48	49*	50*	51*	52*	
Influenza hospitalizations ⁴	9	20	27	39	65	172	97	479
Influenza ICU admissions ⁴	1	4	3	9	12	18	18	76
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

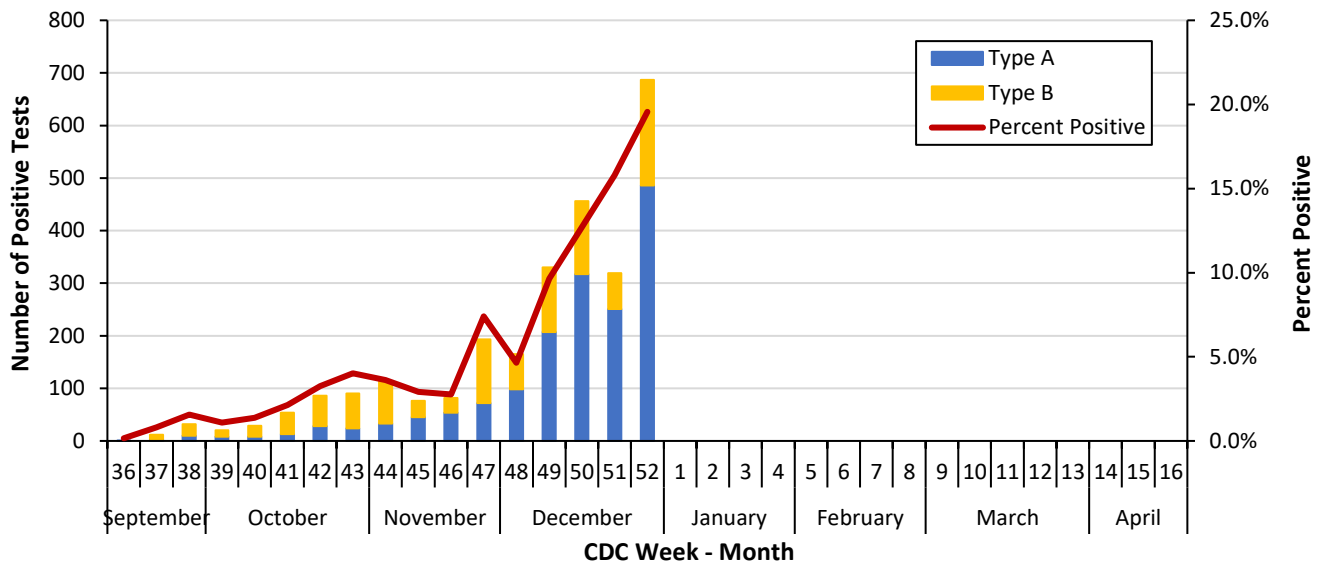


Figure 2. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2018—2019 and 2022-2024 Seasons

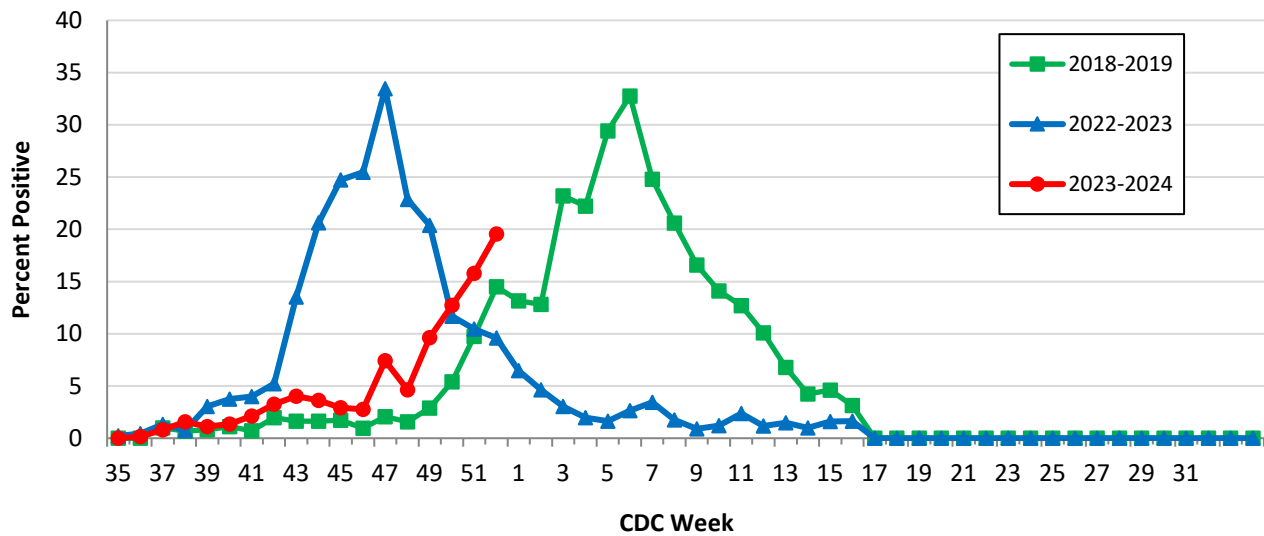
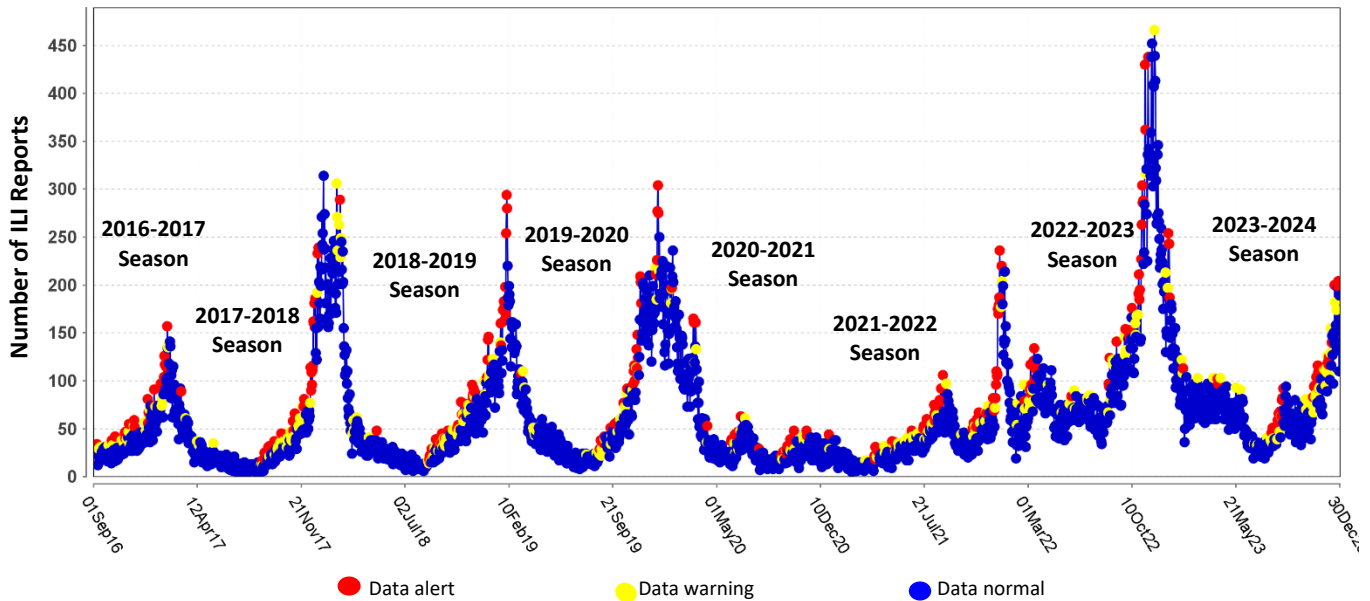


Table 4. Influenza Typing and Subtyping from Cumulative Dallas County, Texas, and U.S. Laboratory Surveillance Data: 2023—2024 Season

	Dallas ¹ (n=68)	Texas ² (n=742)	U.S. ³ (n=44,620)
Influenza A	18 (75.0%)	161 (69.1%)	9,552 (82.1%)
H1N1 2009 subtype	15 (83.3%)	149 (95.5%)	6,254 (82.1%)
H3N2 subtype	3 (16.7%)	7 (4.5%)	1,368 (17.9%)
Not subtyped	0	5	1,930
Influenza B	6 (25.0%)	72(30.9%)	2,087 (17.9%)
Yamagata strain	0 (0.0%)	0 (0.0%)	0 (0.0%)

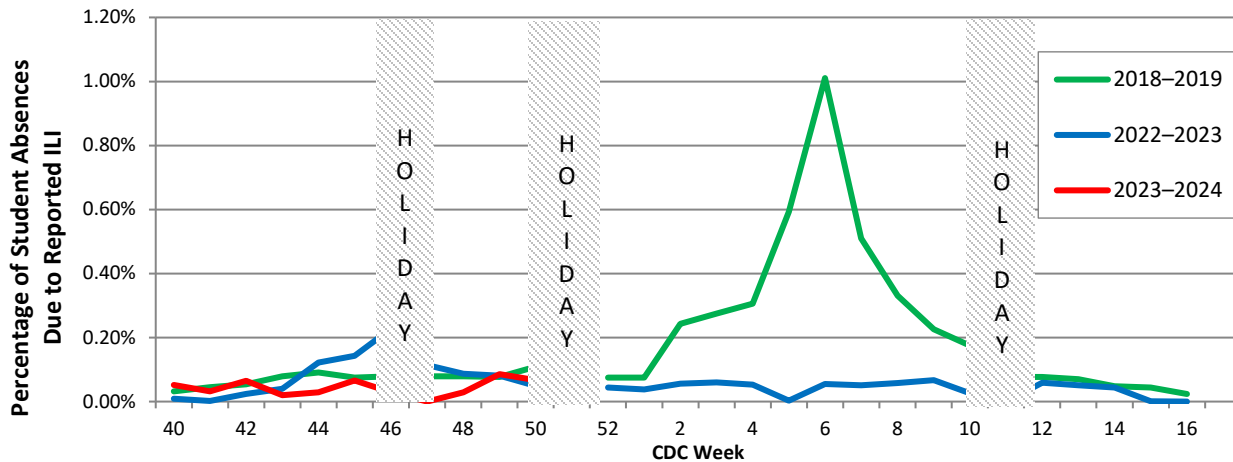
¹ DCHHS LRN laboratory PCR testing of designated Dallas County surveillance site isolates; counts may not sum to total as samples can test positive for multiple subtypes
² DSHS 2023–2024 Texas Influenza Surveillance Information Activity Report available at <https://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/>
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, 2016 – December 30, 2023



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



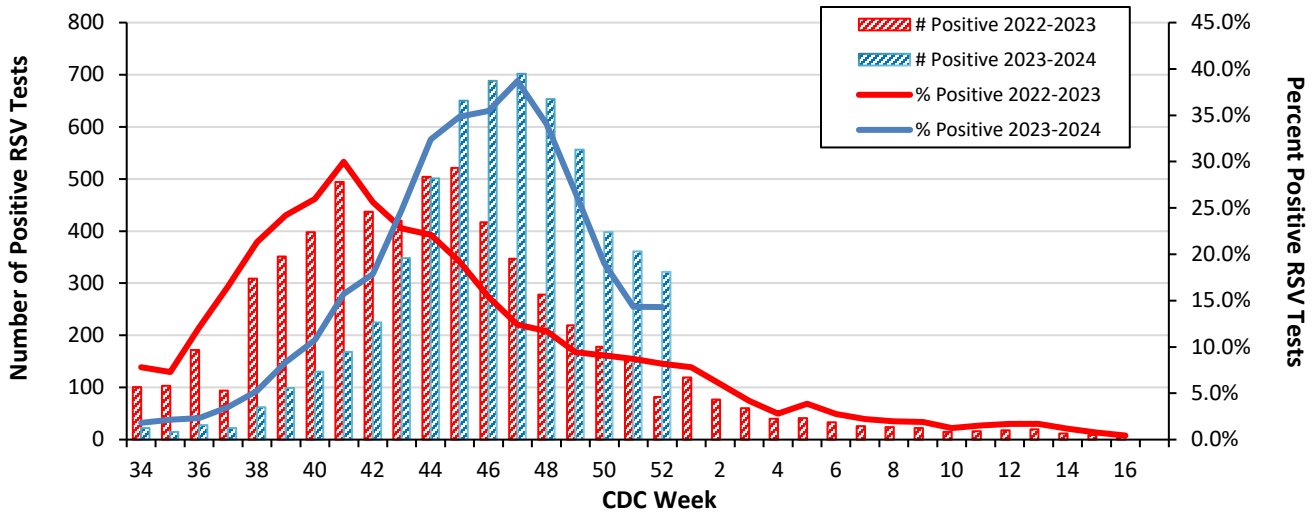
Data source: Voluntary reporting from Independent School Districts, private, and charter School representing over 600 elementary, middle, and secondary schools and over 344,000 students in Dallas County

Table 5. Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 52.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	934	44	4.7
HMPV	2	934	50	5.4
Parainfluenza virus	2	934	52	5.6
Rhinovirus/Enterovirus	2	934	209	22.4
RSV	2	2,251	322	14.3
COVID-19	2	2,176	133	6.1

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 – December 30, 2023

Week Ending	11/18	11/25	12/2	12/9	12/16	12/23	12/30	9/3/23–Present
CDC Week	46	47	48	49*	50*	51*	52*	
RSV tests performed weekly	1,940	1,814	1,917	2,084	2,093	2,520	2,251	27,176
Total positive RSV tests	688	702	653	556	398	361	322	5,913
Percent positive RSV tests	35.5	38.7	34.1	26.7	19.0	14.3	14.3	

*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 within 1 working day:

- **Hospitalized patients with influenza** (any subtype). Confirmation can be by any laboratory test, rapid antigen, culture, PCR, DFA/IFA, or performed in an outpatient or inpatient laboratory.
- **Deaths of persons with confirmed influenza** (any subtype). We are requesting all pediatric influenza-associated deaths to be reported *immediately* to facilitate specimen procurement and testing.
- Suspected influenza infections involving institutional outbreaks or a resident of any **Long-Term Care facility** (please report *immediately*).

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