



Dallas County Health and Human Services 2022–2023 Influenza Surveillance Report

Week 51 ending December 24, 2022

Epidemiologic Summary

- Influenza activity is decreasing in Dallas County with 6.4% of tests returning positive during week 51.
- Seventy-nine Influenza-associated hospitalizations were reported during week 51.
- Zero influenza-associated deaths were reported in week 51. One influenza-associated pediatric deaths have been reported during the 2022-2023 season in Dallas County.
- RSV activity is increased with 8.7% of tests from the surveillance site reported as positive.

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

Week Ending	11/12	11/19	11/26	12/3	12/10	12/17	12/24	10/2/22– Present
CDC Week	45	46	47	48*	49*	50*	51*	
Total Influenza PCR Tests	5,493	6,097	6,249	7,236	6,051	4,007	5,975	56,520
Number of positive PCR tests	514	613	1,040	632	418	226	314	4,401
Percent of positive PCR tests	9.4	10.1	16.6	8.7	6.9	5.6	5.3	
Total Rapid Influenza Diagnostic Tests	2,769	2,109	1,859	1,432	1,737	1,098	1,811	18,376
Number of positive RIDTs	771	828	951	613	587	160	188	5,071
Percent of positive RIDTs	27.8	39.3	51.2	42.8	33.8	14.6	10.4	
Total Influenza Tests Performed	8,262	8,206	8,108	8,668	7,788	5,105	7,786	74,896
Total positive influenza tests ¹	1,285	1,441	1,991	1,245	1,005	386	502	9,472
Percent positive influenza tests	15.6	17.6	24.6	14.4	12.9	7.6	6.4	
Positive influenza A tests ²	1,155	1,320	1,913	1,167	945	340	471	8,652
Positive influenza B tests	130	121	78	78	60	46	31	820
Non-differentiated influenza tests ³	0	0	0	0	0	0	0	0

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	11/12	11/19	11/26	12/3	12/10	12/17	12/24	10/2/22– Present
CDC Week	45	46	47	48*	49*	50*	51*	
Influenza hospitalizations ⁴	106	133	245	198	129	76	79	1,128
Influenza ICU admissions ⁴	20	20	37	28	29	15	13	184
Confirmed pediatric deaths ⁵	0	0	1	0	0	0	0	1
Confirmed adult deaths ⁶	0	0	0	0	0	0	0	0
Possible influenza-associated deaths ⁷	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

⁶ Confirmed influenza-associated deaths as defined by a positive laboratory test and any of the following: (1) death certificate denotation, (2) medical record documentation of compatible symptoms and clear progression from illness to death, or (3) determination by the County Medical Examiner's office (ME) of no alternate cause of death. Deaths occurring outside of influenza season require a positive PCR result in order to meet laboratory criteria. Positive RIDT will meet laboratory criteria after the start of flu season.

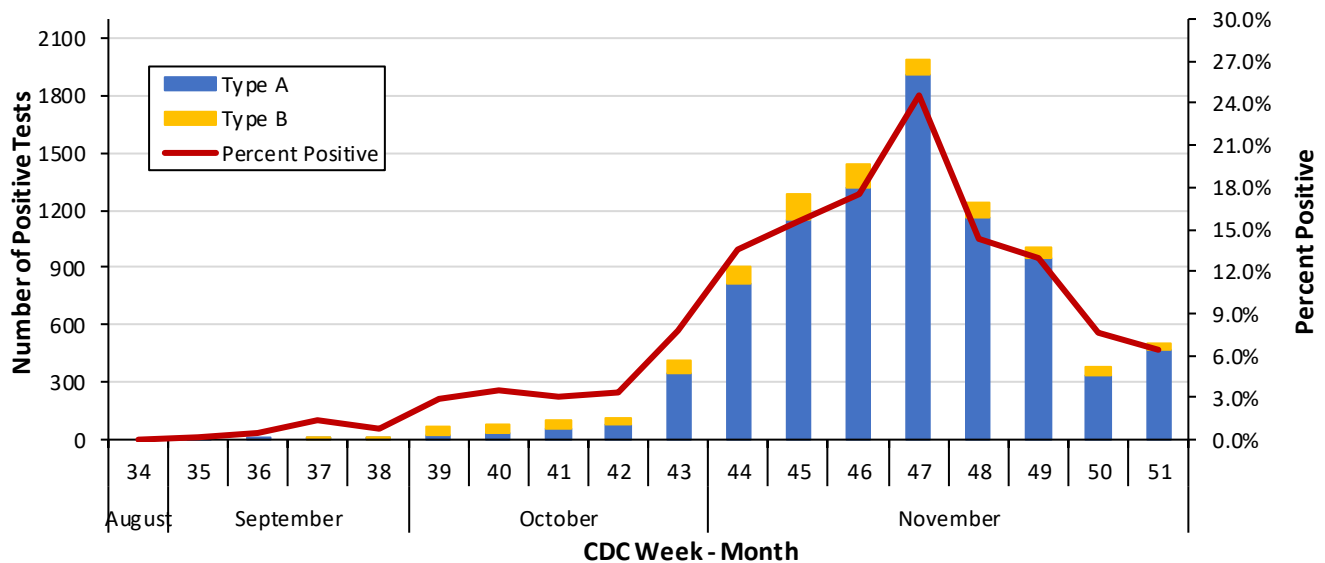
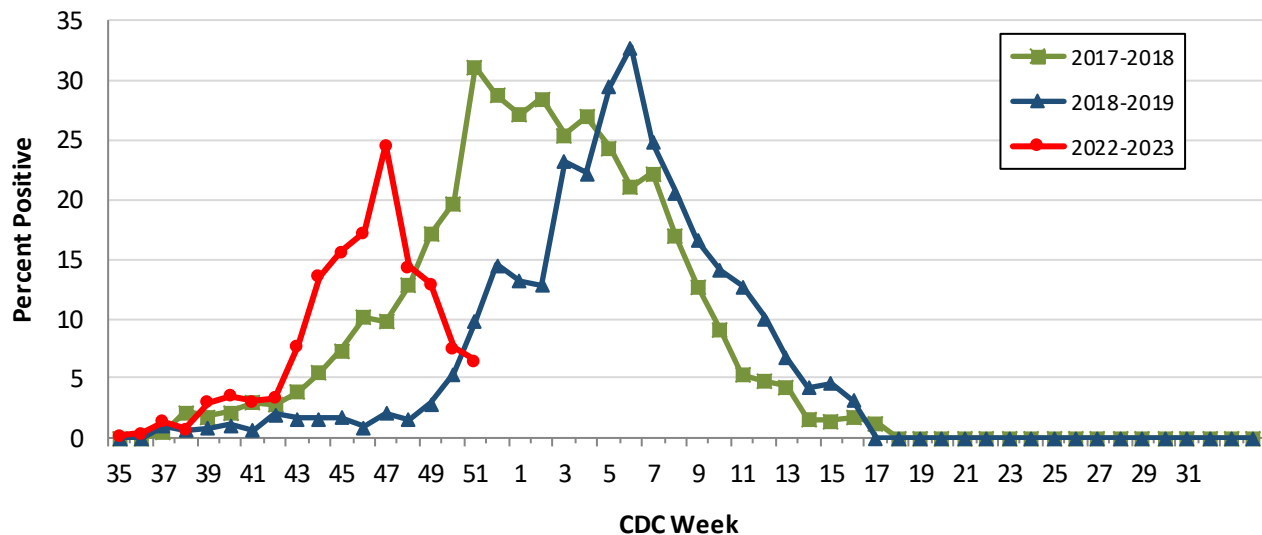
⁷ Possible influenza-associated deaths are defined as cases with laboratory-confirmed influenza, but pending final autopsy results for determination of primary cause of death. Data updated as of October 22, 2022.

Table 3. Confirmed Influenza-associated Pediatric and Adult Deaths, Dallas County: 2016–2023 Seasons

	2016–2017	2017–2018	2018–2019	2019–2020	2021–2022	2022–2023
Pediatric	1	4	1	3	0	1
Adult	16	79	21	22	2	0

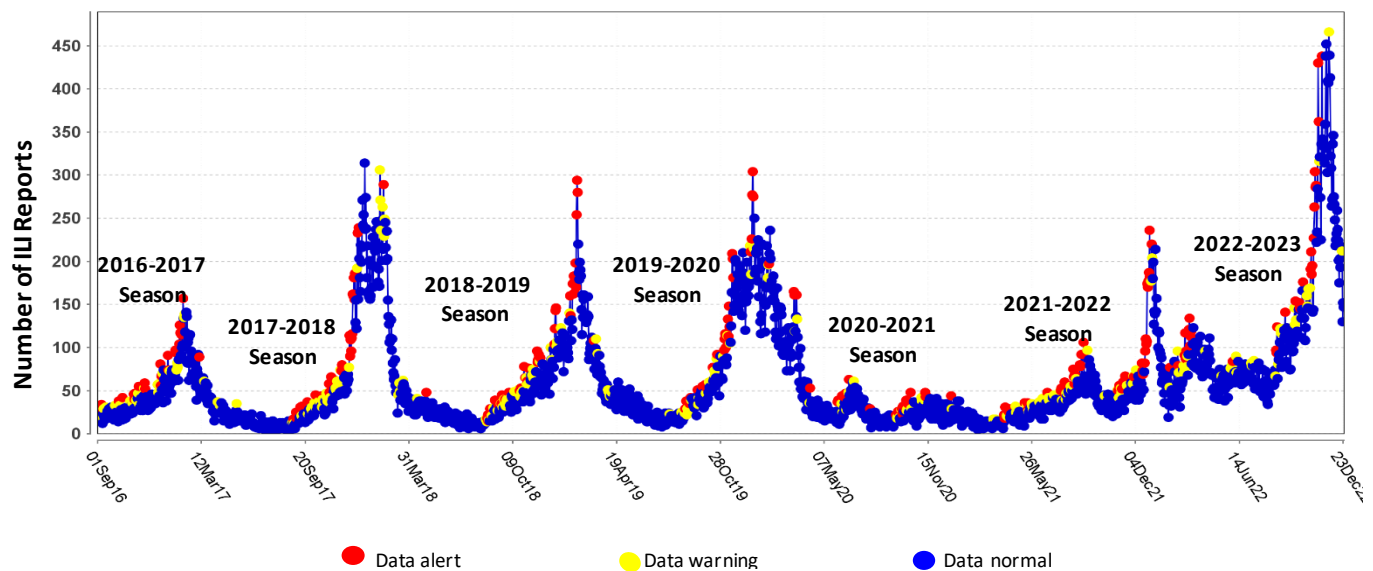
Data source(s): Reports of confirmed influenza-associated deaths, as defined in Table 2.

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

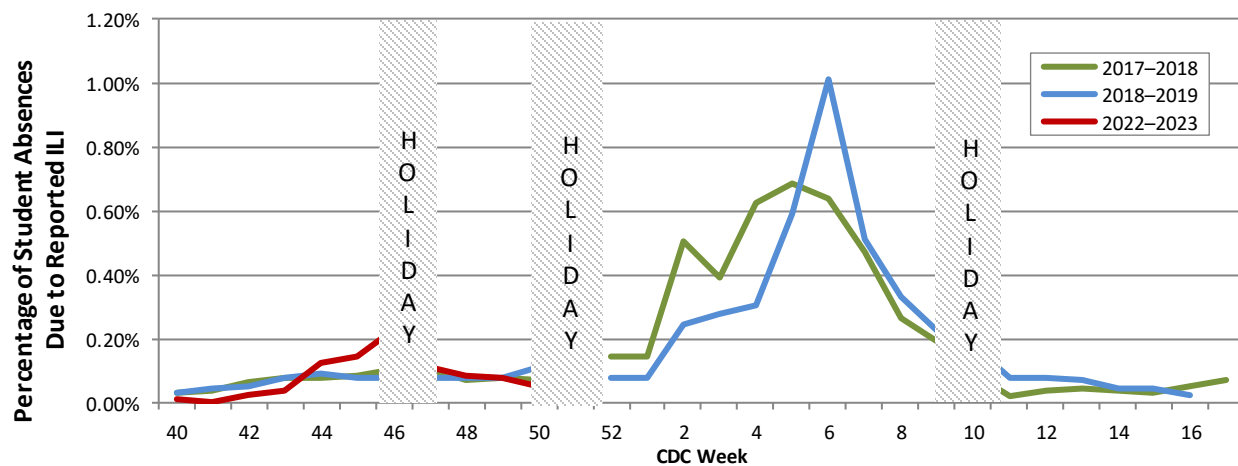
Figure 1. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2022—2023 Season**Figure 2.** Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2017—2019 and 2022–2023 Seasons**Table 4.** Influenza Typing and Subtyping from Cumulative Dallas County, Texas, and U.S. Laboratory Surveillance Data: 2022—2023 Season

	Dallas ¹ (n=153)	Texas ² (n=1,685)	U.S. ³ (n=115,821)
Influenza A	24 (100.0%)	371 (99.5%)	19,271 (99.7%)
H1N1 2009 subtype	0 (0.0%)	118 (36.7%)	3,314 (21.6%)
H3N2 subtype	0 (0.0%)	204 (63.4%)	12,026 (78.4%)
Not subtyped	24	49	3,930
Influenza B	0 (0.0%)	2 (0.5%)	66 (0.3%)
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 subtypes² DSHS 2022–2023 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 24, 2022

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.

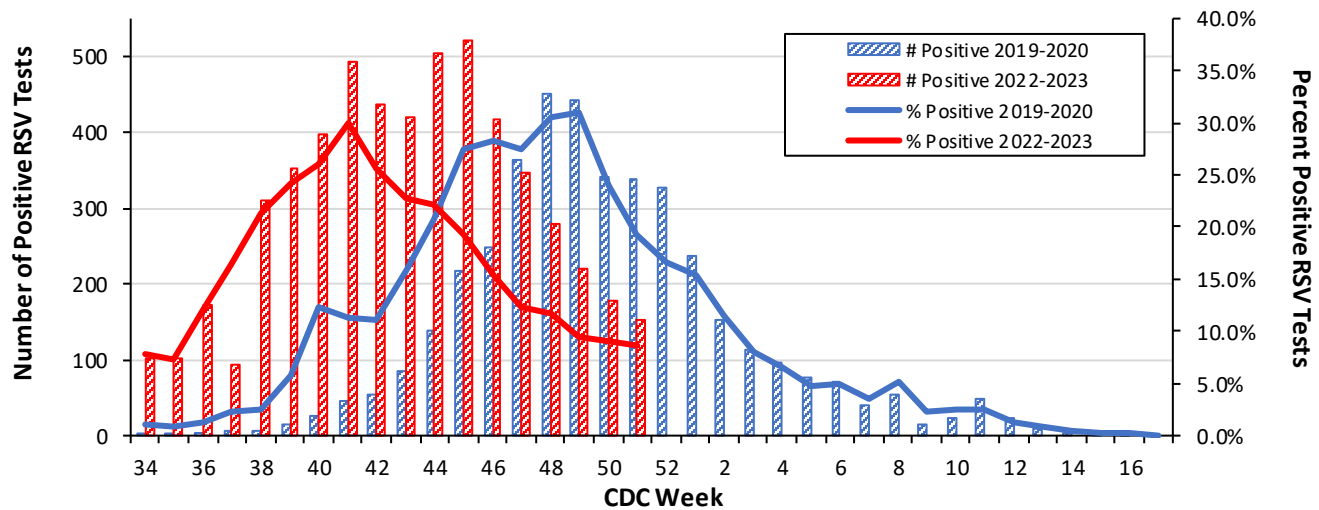
Figure 4. Percentage of Student Absences Due to ILI by Week, Dallas County: 2017-2018, 2018-2019, and 2022-2023

Data source: Voluntary reporting from Independent School Districts, private, and charter School representing over 600 elementary, middle, and secondary schools and over 345,000 students in Dallas County

Table 5. Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 51.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	765	153	20.0
HMPV	2	765	79	10.3
Parainfluenza virus	2	765	58	7.6
Rhinovirus/Enterovirus	2	765	238	31.1
RSV	2	1,758	153	8.7
COVID-19	2	1,949	142	7.3

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: 2019-2020 and 2022-2023 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: October 2, 2022– December 24, 2022

Week Ending	11/5	11/12	11/19	11/26	12/3	12/10	12/17	12/24	10/2/21– Present
CDC Week	44	45	46	47	48*	49*	50*	51*	
RSV tests performed weekly	2,281	2,713	2,713	2,797	2,374	2,324	1,956	1,758	25,645
Total positive RSV tests	504	521	417	347	278	219	178	153	4,366
Percent positive RSV tests	22.1	19.2	15.4	12.4	11.7	9.4	9.1	8.7	

*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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