



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

Week 42 ending October 22, 2022

Epidemiologic Summary

- Influenza activity remains low in Dallas County with 3.3% of tests returning positive during week 42.
- Twenty Influenza-associated hospitalizations were reported during week 42.
- No influenza-associated deaths were reported in week 42. No influenza-associated pediatric deaths have been reported during the 2022-2023 season in Dallas County.
- RSV activity is increased with 25.6% of tests from the surveillance site reported as positive.

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

Week Ending	9/10	9/17	9/24	10/1	10/8	10/15	10/22	9/4/22–Present
CDC Week	36	37	38	39*	40*	41*	42*	
Total Influenza PCR Tests	459	417	686	1,489	1,525	2,542	2,744	9,862
Number of positive PCR tests	2	0	1	13	15	36	60	127
Percent of positive PCR tests	0.4	0.0	0.1	0.9	1.0	1.4	2.2	
Total Rapid Influenza Diagnostic Tests	0	107	125	666	786	759	587	3,030
Number of positive RIDTs	0	7	5	51	67	66	51	247
Percent of positive RIDTs	0.0	6.5	4.0	7.7	8.5	8.7	8.7	
Total Influenza Tests Performed	459	524	811	2,155	2,311	3,301	3,331	10,033
Total positive influenza tests ¹	2	7	6	64	82	102	111	264
Percent positive influenza tests	0.4	1.3	0.7	3.0	3.5	3.1	3.3	
Positive influenza A tests ²	2	2	2	24	40	59	84	213
Positive influenza B tests	0	5	4	40	42	43	27	161
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	9/10	9/17	9/24	10/1	10/8	10/15	10/22	9/4/22–Present
CDC Week	36	37	38	39*	40*	41*	42*	
Influenza hospitalizations ⁴	0	1	2	3	9	3	20	38
Influenza ICU admissions ⁴	0	0	2	0	2	1	3	8
Confirmed pediatric deaths ⁵	0	0	0	0	0	0	0	0
Confirmed adult deaths ⁶	0	1	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 8 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: 2014–2023 Seasons

	2016–2017	2017–2018	2018–2019	2019–2020	2021–2022	2022–2023
Pediatric	1	4	1	3	0	0
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

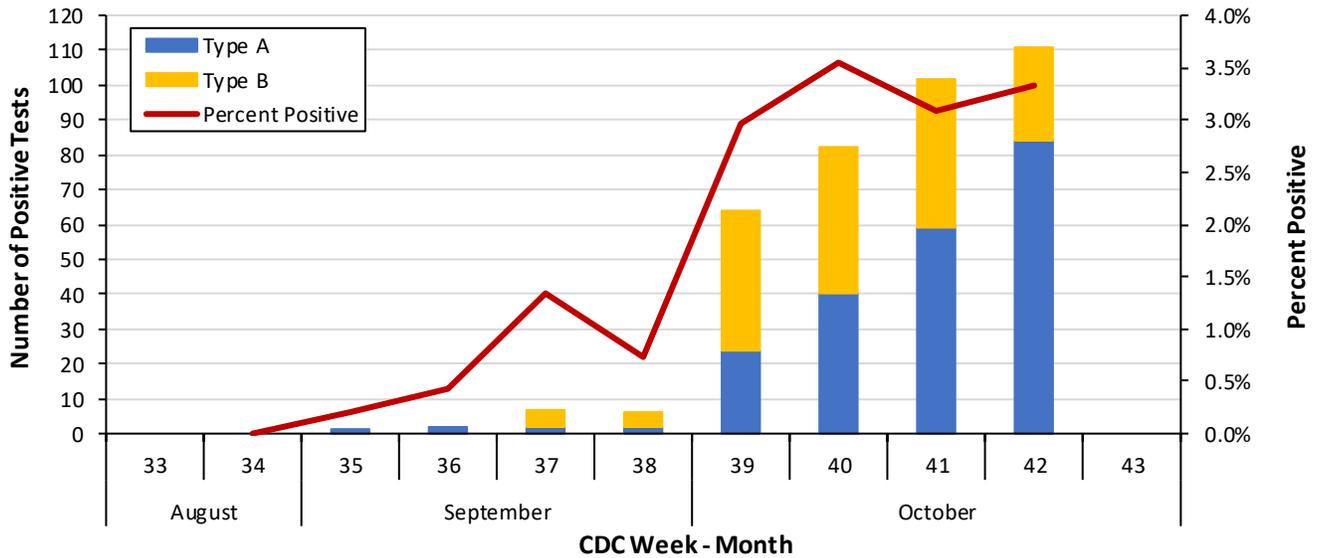


Figure 2. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2017—2019 and 2022-2023 Seasons

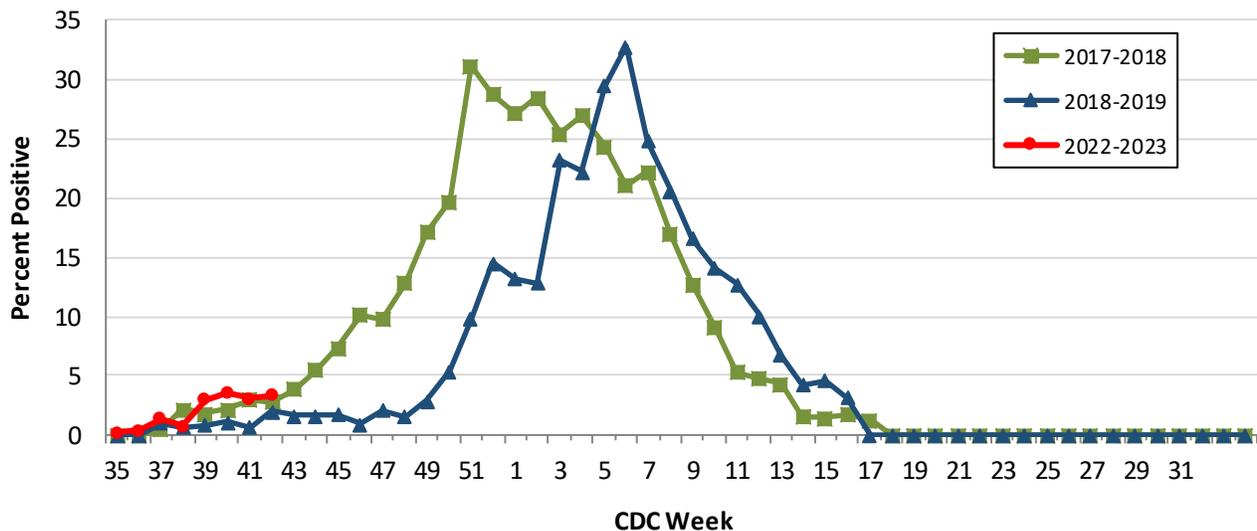


Table 4. Influenza Typing and Subtyping from Cumulative Dallas County, Texas, and U.S. Laboratory Surveillance Data: 2022—2023 Season

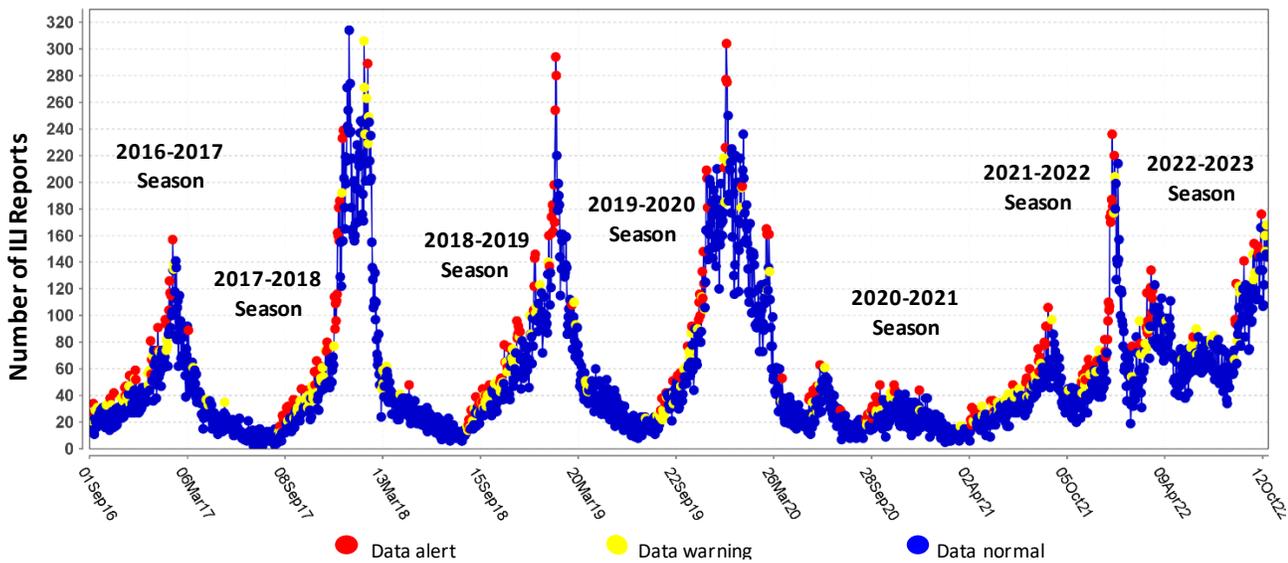
	Dallas ¹ (n=47)	Texas ² (n=367)	U.S. ³ (n=24,935)
Influenza A	0 (0.0%)	23 (100.0%)	965 (98.1%)
H1N1 2009 subtype	0 (0.0%)	0 (0.0%)	121 (16.3%)
H3N2 subtype	0 (0.0%)	8 (100.0%)	621 (83.7%)
Not subtyped	0	15	223
Influenza B	0 (0.0%)	0 (0.0%)	19 (1.9%)
Yamagata strain	0 (0.0%)	0 (0.0%)	0 (0.0%)

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 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 – October 22, 2022



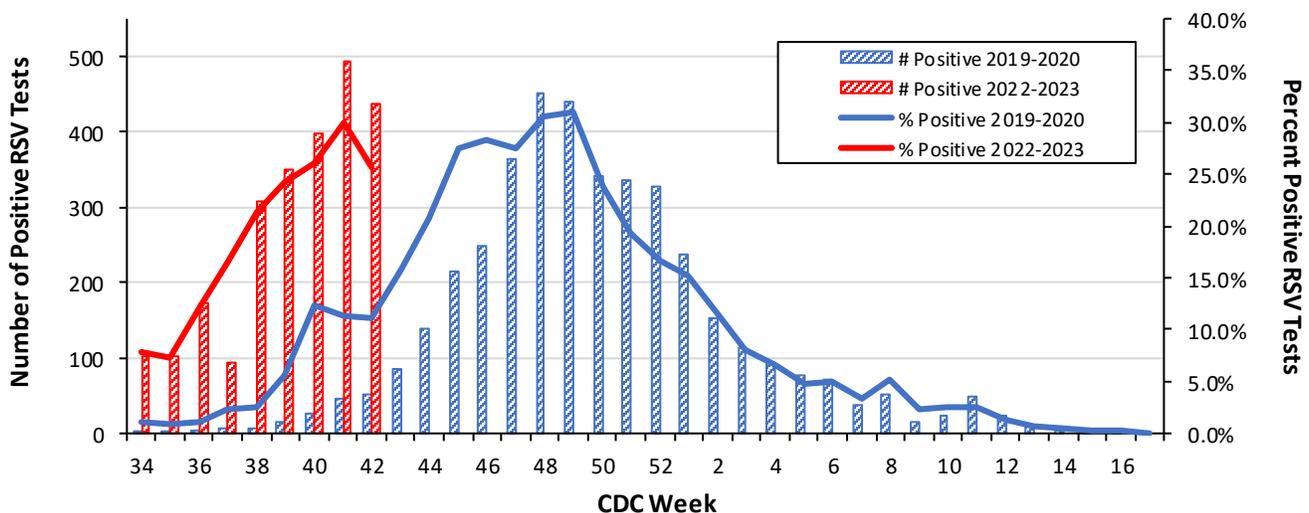
Data source: 18 emergency departments in Dallas County hospitals participating in the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) voluntarily reporting the numbers of persons presenting with self-reported chief complaints of ILI.

Table 5. Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 42.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	741	83	11.2
HMPV	2	741	12	1.6
Parainfluenza virus	2	741	85	11.5
Rhinovirus/Enterovirus	2	741	243	32.8
RSV	2	1,706	437	25.6

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

Figure 4. 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 Tex as: August 28, 2022– October 22, 2022

Week Ending	9/3	9/10	9/17	9/24	10/1	10/8	10/15	10/22	8/28/21– Present
CDC Week	35	36	37	38	39*	40*	41*	42*	
RSV tests performed weekly	1,403	1,419	571	1,451	1,453	1,532	1,648	1,706	11,183
Total positive RSV tests	103	172	94	309	351	398	494	437	2,358
Percent positive RSV tests	7.3	12.1	16.5	21.3	24.2	26.0	30.0	25.6	

*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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