



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

Week 1 ending January 7, 2023

Epidemiologic Summary

- Influenza activity is decreasing in Dallas County with 3.5% of tests returning positive during week 1.
- Fifty-six Influenza-associated hospitalizations were reported during week 1.
- Zero influenza-associated deaths were reported in week 1. One influenza-associated pediatric deaths have been reported during the 2022-2023 season in Dallas County.
- RSV activity is decreasing with 7.8% of tests from the surveillance site reported as positive.

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

Week Ending	11/26	12/3	12/10	12/17	12/24	12/31	1/7	10/2/22– Present
CDC Week	47	48	49	50*	51*	52*	1*	
Total Influenza PCR Tests	6,249	7,236	6,051	4,007	5,975	6,495	6,234	69,249
Number of positive PCR tests	1,040	632	418	226	314	252	133	4,786
Percent of positive PCR tests	16.6	8.7	6.9	5.6	5.3	3.9	2.1	
Total Rapid Influenza Diagnostic Tests	1,859	1,432	1,737	1,098	1,811	2,230	1436	22,042
Number of positive RIDTs	951	613	587	160	188	240	137	5,448
Percent of positive RIDTs	51.2	42.8	33.8	14.6	10.4	10.8	9.5	
Total Influenza Tests Performed	8,108	8,668	7,788	5,105	7,786	8,725	7670	91,291
Total positive influenza tests ¹	1,991	1,245	1,005	386	502	492	270	10,234
Percent positive influenza tests	24.6	14.4	12.9	7.6	6.4	5.6	3.5	
Positive influenza A tests ²	1,913	1,167	945	340	471	427	222	9,301
Positive influenza B tests	78	78	60	46	31	65	48	933
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	11/26	12/3	12/10	12/17	12/24	12/31	1/7	10/2/22– Present
CDC Week	47	48	49	50*	51*	52*	1*	
Influenza hospitalizations ⁴	245	198	129	76	79	87	56	1,271
Influenza ICU admissions ⁴	37	28	29	15	13	12	10	206
Confirmed pediatric deaths ⁵	1	0	0	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

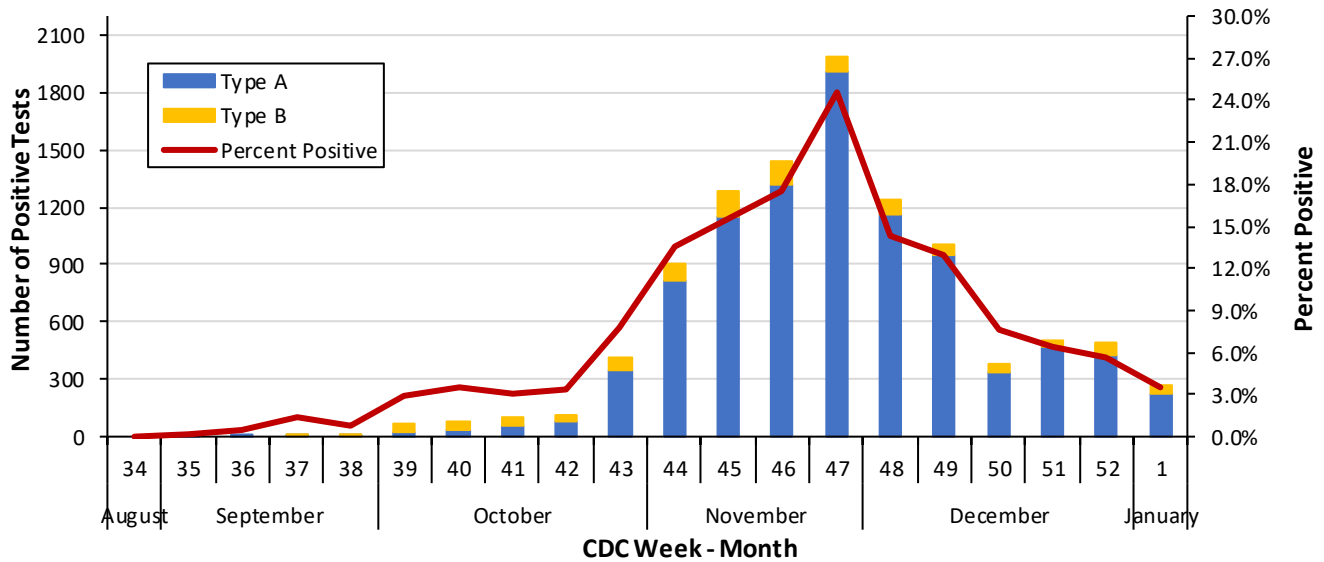


Figure 2. Influenza Positive Tests Reported to DCHHS by Hospital Laboratories: 2017–2019 and 2022-2023 Seasons

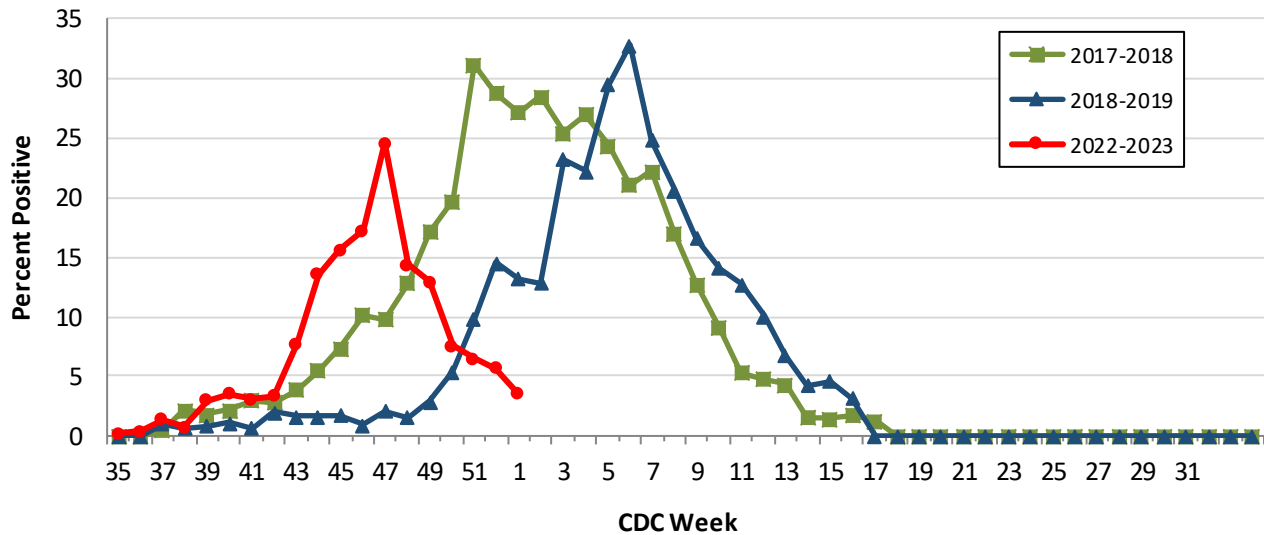
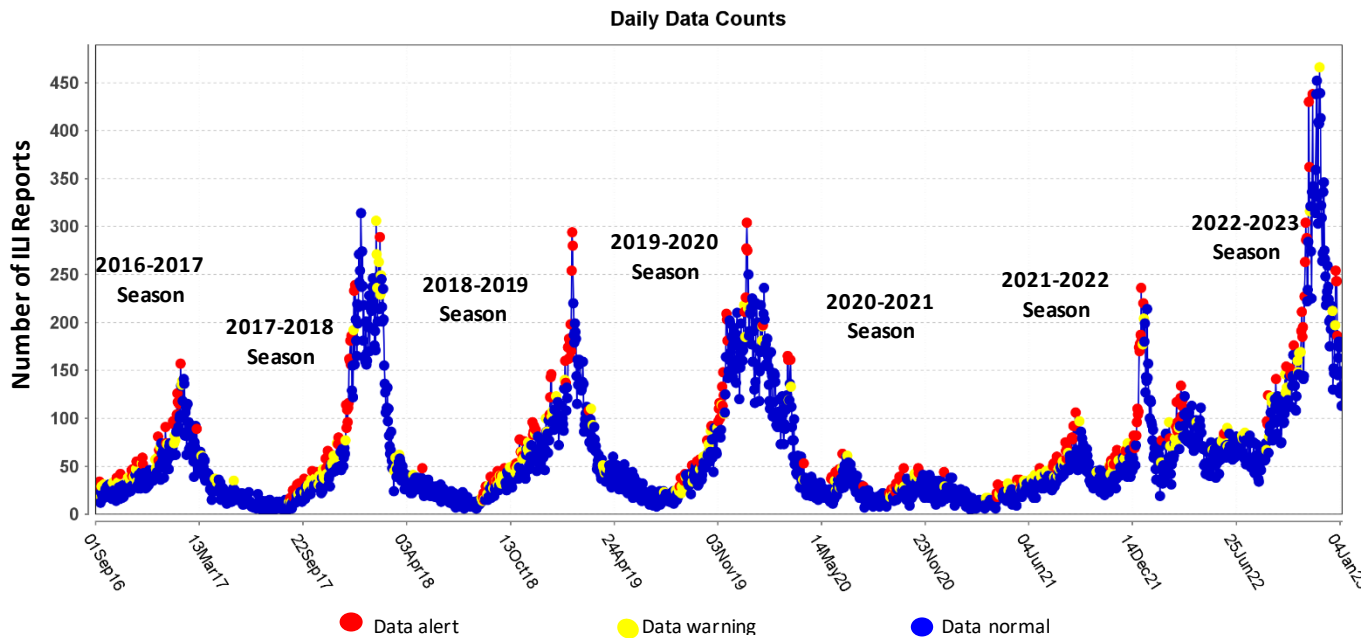


Table 4. Influenza Typing and Subtyping from Cumulative Dallas County, Texas, and U.S. Laboratory Surveillance Data: 2022–2023 Season

	Dallas ¹ (n=201)	Texas ² (n=1,956)	U.S. ³ (n=132,276)
Influenza A	29 (100.0%)	427 (99.5%)	22,818 (99.6%)
H1N1 2009 subtype	0 (0.0%)	156 (41.6%)	4,245 (22.9%)
H3N2 subtype	0 (0.0%)	219 (58.4%)	14,278 (77.1%)
Not subtyped	29	52	4,294
Influenza B	0 (0.0%)	2 (0.5%)	84 (0.4%)
Yamagata strain	0 (0.0%)	0 (0.0%)	0 (0.0%)

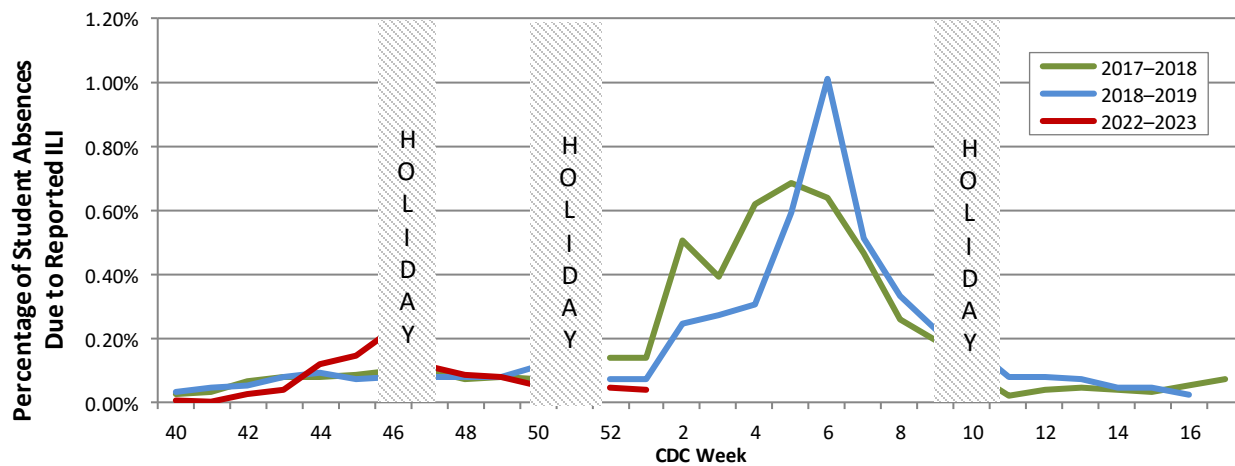
¹ DCHHS LRN laboratory PCR testing of designated Dallas County surveillance site isolates; counts may not sum to total as samples can test positive for multiple subtypes
² DSHS 2022–2023 Texas Influenza Surveillance Information Activity Report available at <https://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/>
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 – January 7, 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: 2017-2018, 2018-2019, and 2022-2023



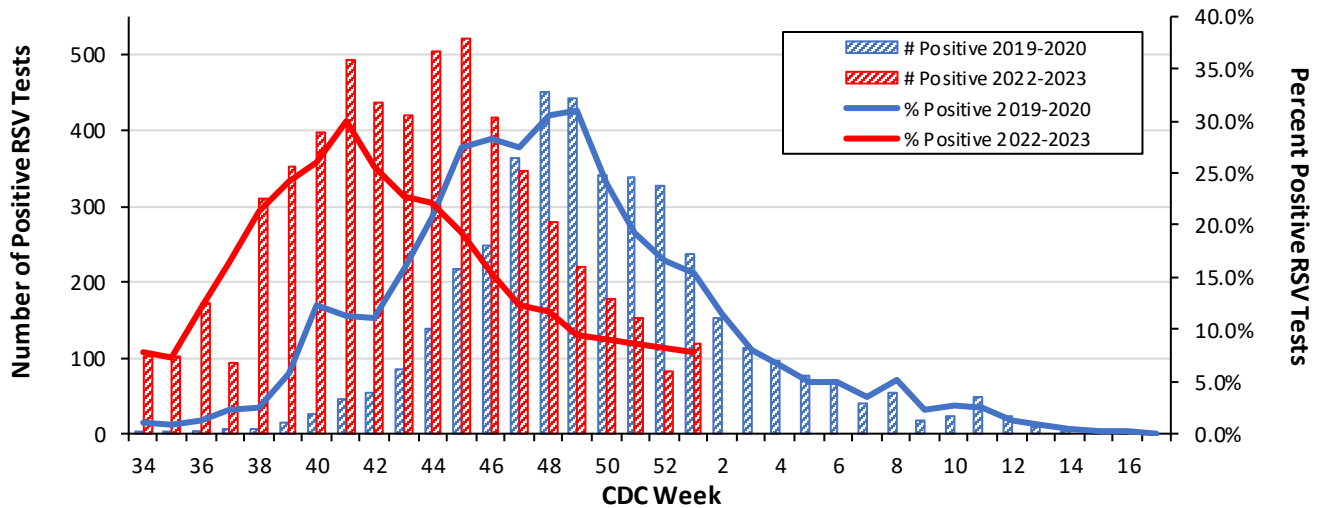
Data source: Voluntary reporting from Independent School Districts, private, and charter School representing over 600 elementary, middle, and secondary schools and over 345,000 students in Dallas County

Table 5. Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 1.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	765	137	17.9
HMPV	2	765	90	11.8
Parainfluenza virus	2	765	23	3.0
Rhinovirus/Enterovirus	2	765	168	22.0
RSV	2	1,526	119	7.8
COVID-19	2	765	79	10.3

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 – January 7, 2023

Week Ending	11/19	11/26	12/3	12/10	12/17	12/24	12/31	1/7	10/2/21– Present
CDC Week	46	47	48	49	50*	51*	52*	1*	
RSV tests performed weekly	2,713	2,797	2,374	2,324	1,956	1,758	997	1,526	28,168
Total positive RSV tests	417	347	278	219	178	153	82	119	4,567
Percent positive RSV tests	15.4	12.4	11.7	9.4	9.1	8.7	8.2	7.8	

*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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