



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

Week 10 ending March 11, 2023

## Epidemiologic Summary

- Influenza activity remains low with a slight increase in Dallas County to 7.8% of tests returning positive during week 10.
- Fifty-five Influenza-associated hospitalizations were reported during week 10.
- Zero influenza-associated deaths were reported in week 10. One influenza-associated pediatric deaths have been reported during the 2022-2023 season in Dallas County.
- RSV activity is decreased with 1.2% of tests from the surveillance site reported as positive.

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

Week Ending	2/4	2/11	2/18	2/25	3/4	3/4	3/11	10/2/22– Present
CDC Week	4	5	6	7*	8*	9*	10*	
<b>Total Influenza PCR Tests</b>	3,644	2,970	3,203	3,076	3,033	3,444	4,351	<b>103,357</b>
Number of positive PCR tests	44	34	44	82	97	129	166	<b>5,585</b>
Percent of positive PCR tests	1.2	1.1	1.4	2.7	3.2	3.7	3.8	
<b>Total Rapid Influenza Diagnostic Tests</b>	1,322	1,056	1,053	1,360	1,187	1,571	1,788	<b>33,166</b>
Number of positive RIDTs	75	66	132	183	178	237	315	<b>6,793</b>
Percent of positive RIDTs	5.7	6.3	12.5	13.5	15.0	15.1	17.6	
<b>Total Influenza Tests Performed</b>	4,966	4,026	4,256	4,436	4,220	5,015	6,139	<b>136,523</b>
Total positive influenza tests <sup>1</sup>	119	100	176	265	275	366	481	<b>12,378</b>
Percent positive influenza tests	2.4	2.5	4.1	6.0	6.5	7.3	7.8	
Positive influenza A tests <sup>2</sup>	98	80	127	219	249	352	450	<b>11,158</b>
Positive influenza B tests	21	20	49	46	26	14	31	<b>1,120</b>
Non-differentiated influenza tests <sup>3</sup>	0	0	0	0	0	0	0	<b>0</b>

<sup>1</sup> Includes positive rapid antigen, PCR, DFA, or culture results

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

<sup>3</sup> 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	2/4	2/11	2/18	2/25	3/4	3/4	3/11	10/2/22– Present
CDC Week	4	5	6	7*	8*	9*	10*	
Influenza hospitalizations <sup>4</sup>	<b>11</b>	<b>16</b>	<b>27</b>	<b>36</b>	<b>34</b>	<b>49</b>	<b>55</b>	<b>1,560</b>
Influenza ICU admissions <sup>4</sup>	<b>2</b>	<b>4</b>	<b>9</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>248</b>
Confirmed pediatric deaths <sup>5</sup>	0	0	0	0	0	0	0	<b>1</b>
Possible influenza-associated deaths <sup>6</sup>	0	0	0	0	0	0	0	<b>0</b>

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

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

<sup>6</sup> 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

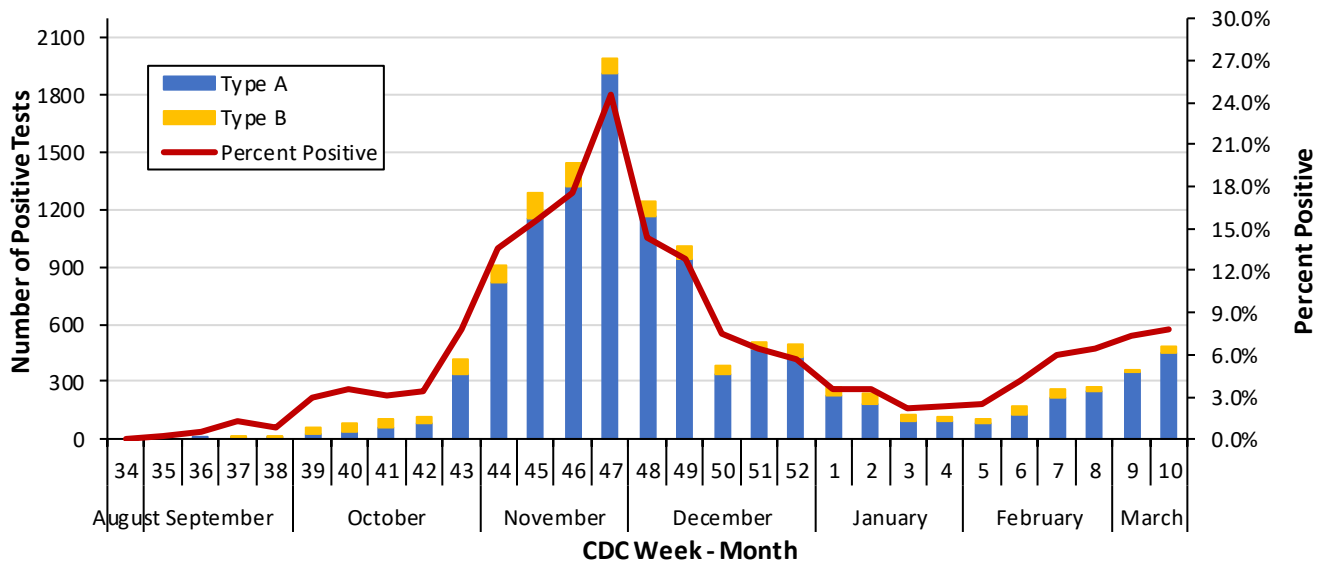
	2016–2017	2017–2018	2018–2019	2019–2020	2021–2022	2022–2023
Pediatric	1	4	1	3	0	1
Adult	16	79	21	22	2	_*_*

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

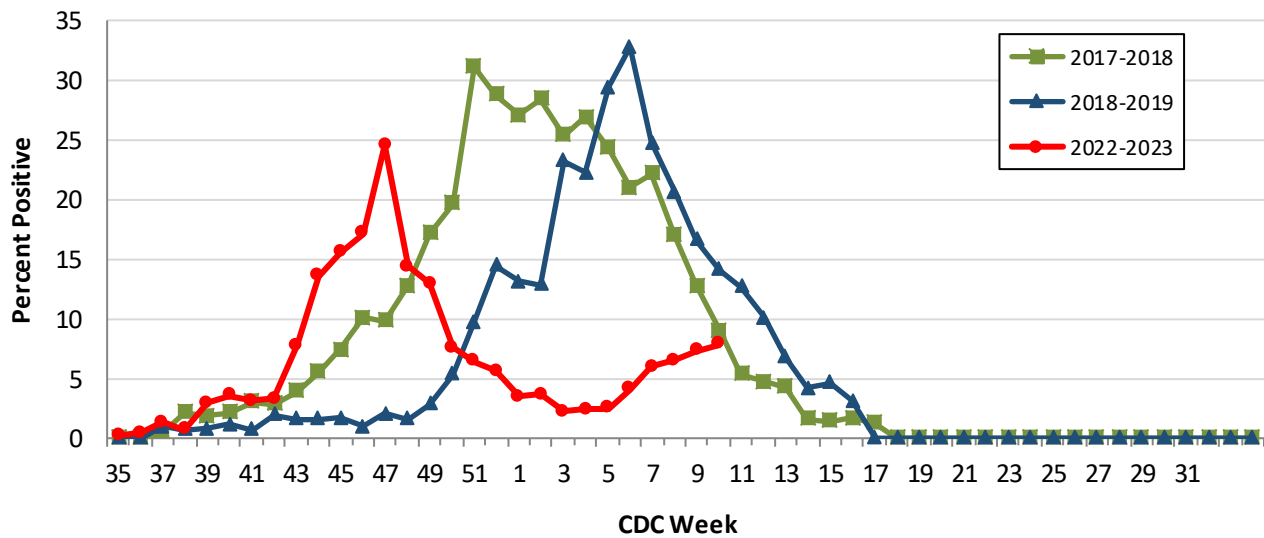
\*\*The Data is not accurately available. Adult death is not reportable condition and not all adult death are reported to DCHHS.

\*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: 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

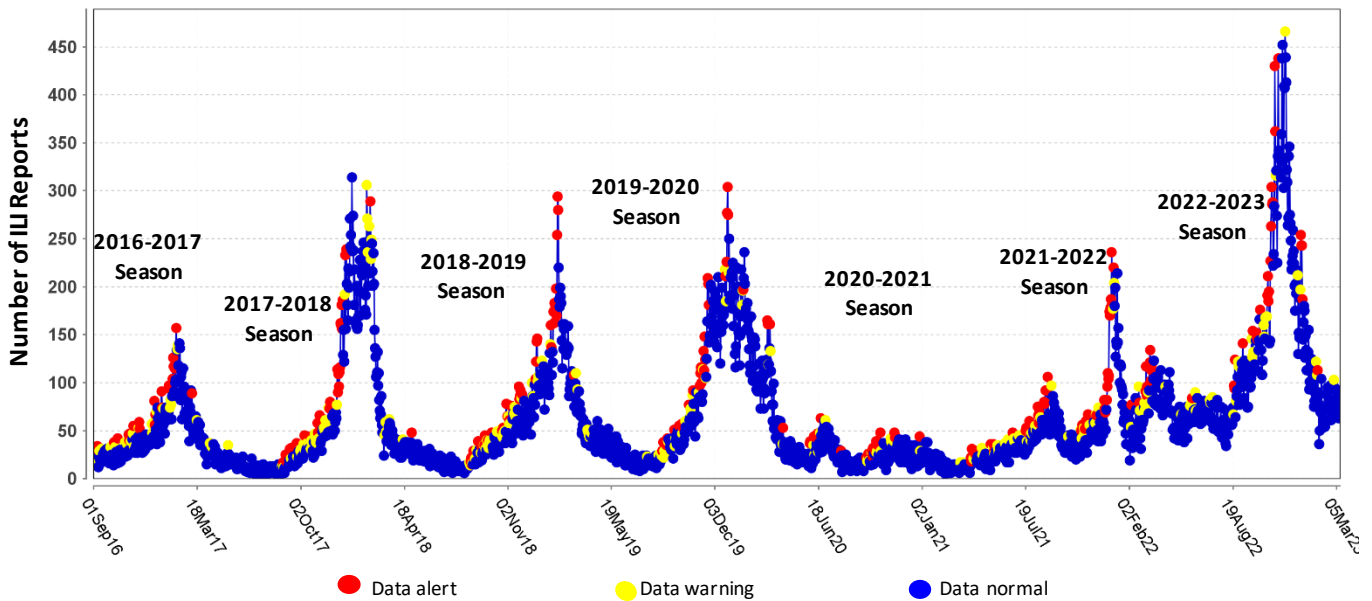
	Dallas <sup>1</sup> (n=296)	Texas <sup>2</sup> (n=2,904)	U.S. <sup>3</sup> (n=201,965)
Influenza A	32 (100.0%)	462 (99.4%)	27,763 (99.0%)
H1N1 2009 subtype	0 (0.0%)	180 (44.0%)	5,984 (25.8%)
H3N2 subtype	0 (0.0%)	229 (56.0%)	17,209 (74.2%)
Not subtyped	32	53	4,569
Influenza B	0 (0.0%)	3 (0.7%)	282 (1.0%)
Yamagata strain	0 (0.0%)	0 (0.0%)	0 (0.0%)

<sup>1</sup> 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

<sup>2</sup> DSHS 2022–2023 Texas Influenza Surveillance Information Activity Report available at <https://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/>

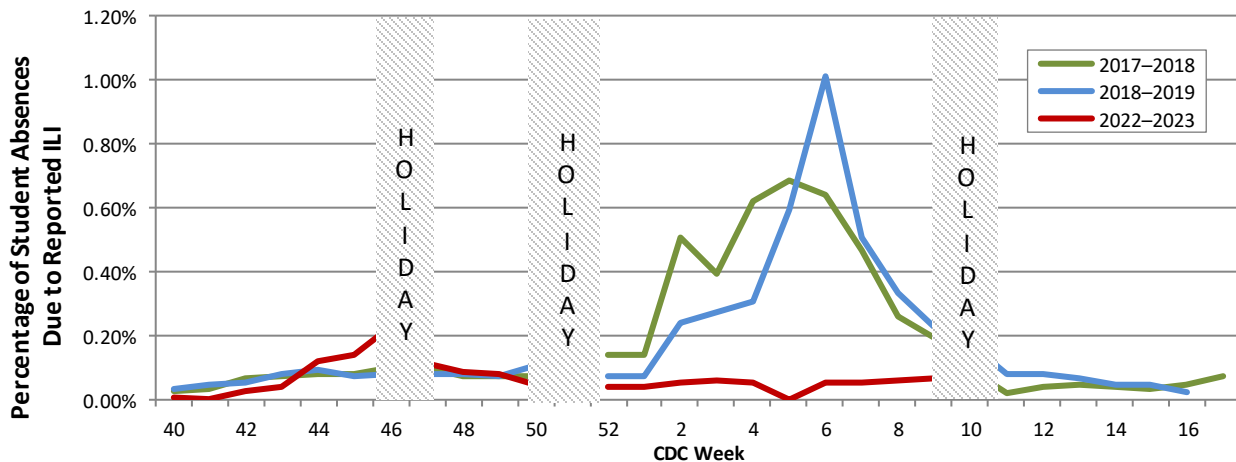
<sup>3</sup> CDC FluView Weekly Influenza Surveillance Report available at <http://www.cdc.gov/flu/weekly/> \*Only a subset of influenza B had lineage testing performed.

**Figure 3.** Syndromic Surveillance of Emergency Department Visits for Influenza-like Illness (ILI), Dallas County: September 1, 2016 – March 11, 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



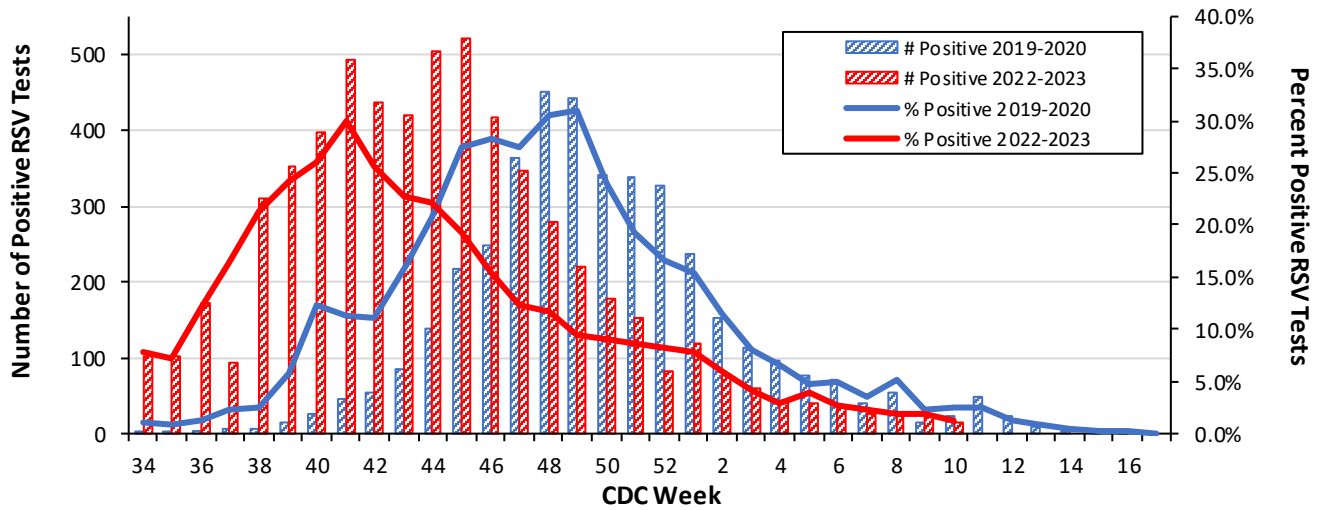
Data source: Voluntary reporting from Independent School Districts, private, and charter School representing over 600 elementary, middle, and secondary schools and over 345,000 students in Dallas County

**Table 5.** Non-Influenza Respiratory Virus Testing by North Texas Laboratories Reported to NREVSS, Week 10.

Virus	Number of Laboratories Reporting*	Tests Performed	Total Positive Tests	Percentage of Tests Positive
Adenovirus (respiratory)	2	739	100	13.5
HMPV	2	739	68	9.2
Parainfluenza virus	2	739	51	6.9
Rhinovirus/Enterovirus	2	739	297	40.2
RSV	2	1,210	15	1.2
COVID-19	2	1,299	86	6.6

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– March 11, 2023

Week Ending	1/21	1/28	2/4	2/11	2/18	2/25	3/4	3/11	10/2/21– Present
CDC Week	3	4	5	6	7*	8*	9*	10*	
RSV tests performed weekly	1,431	1,418	1,060	1,188	1,178	1,227	1,165	1,210	<b>39,327</b>
Total positive RSV tests	60	40	41	33	26	24	22	15	<b>4,905</b>
Percent positive RSV tests	4.2	2.8	3.9	2.8	2.2	2.0	1.9	1.2	

\*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*).

Phone: (214) 819-2004

Email: [influenza@dallascounty.org](mailto:influenza@dallascounty.org)