



**DENTON COUNTY HEALTH DEPARTMENT
2015 – 2016 INFLUENZA SURVEILLANCE PROGRAM
CDC WEEK 44, WEEK ENDING NOVEMBER 7, 2015**

Epidemiologic Overview

Denton County

- Low influenza activity has been reported in Denton County for week 44.
- 10 positive influenza tests (2 Flu A and 8 Flu B) and 1 hospitalization were reported by Denton County sentinel providers for week 44.
- Zero influenza-associated deaths have been reported during the 2015-2016 season.
- Syndromic surveillance for influenza-like illness (ILI) in Denton County increased during week 44 compared to the previous week.

Texas

- The influenza activity level for Texas is currently sporadic.
- The percentage of visits for ILI as reported by ILINet providers in Texas was 4.61%, a 0.13% increase from the 4.48% reported the previous week.
- The percentage of specimens testing positive for influenza was 1.68%, a 0.03% increase from the 1.65% reported the previous week.

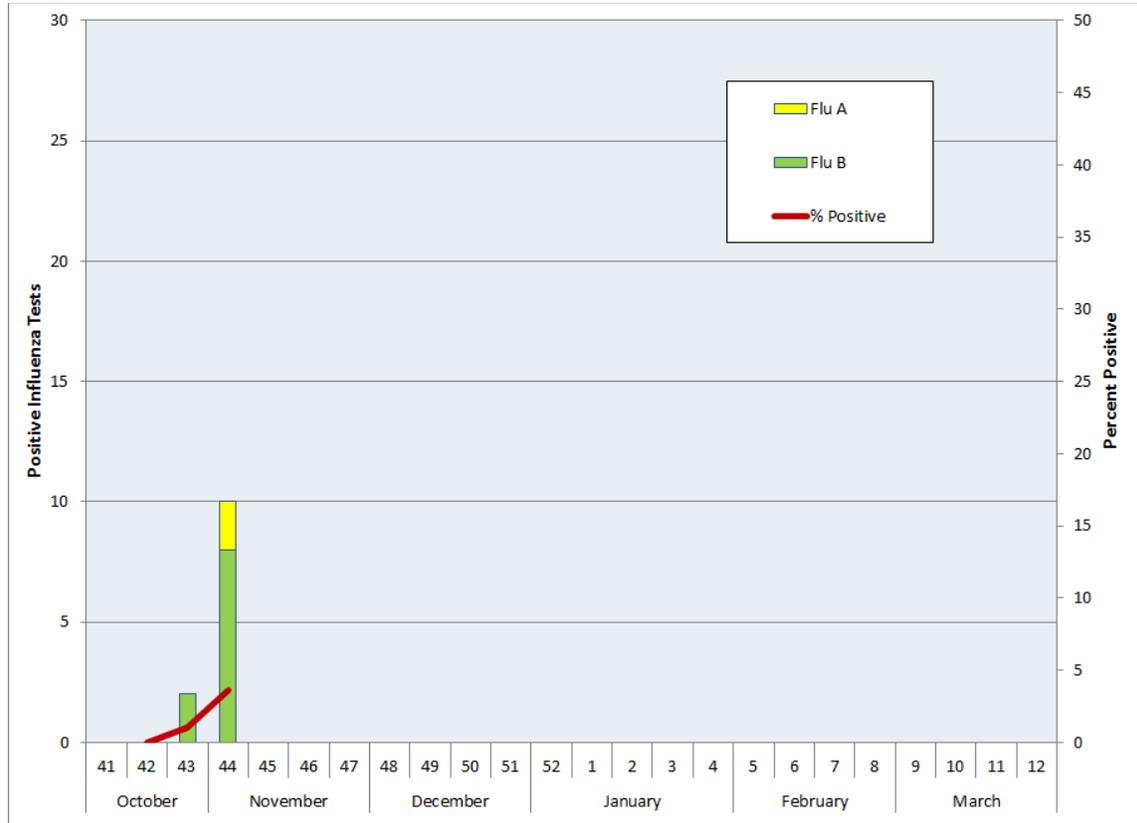
US

- The proportion of outpatient visits for ILI was 1.4%, 0.7% below the national baseline of 2.1%. All 10 regions reported ILI below region-specific baseline levels. All 50 states experienced minimal ILI activity, and the District of Columbia had insufficient data.
- The geographic spread of influenza in 39 states and the District of Columbia was reported as sporadic. Four states reported local activity, and seven states reported no influenza activity.
- The percentage of specimens testing positive for influenza in the US decreased slightly from 1.3% to 1.2% compared to the previous week.
- The proportion of deaths attributed to pneumonia and influenza (P&I) during Week 44 was 5.7%. This percentage is below the epidemic threshold of 6.2% for week 44.

Figure 1. Influenza Surveillance Summary: Denton County Hospitals and Providers

Week Ending	10/24/15	10/31/15	11/7/15	10/24/15 - Present
CDC Week	42	43	44	
Influenza Tests Performed Weekly	198	190	276	664
Total Positive Influenza Tests	0	2	10	12
Percent Positive Influenza Tests*	0%	1.05%	3.62%	
Positive A Influenza	0	0	2	2
Positive B Influenza	0	2	8	10
Non-differentiated Influenza	0	0	0	0
Influenza Hospitalizations	0	1	1	2
Influenza-associated Pediatric Deaths	0	0	0	0
Influenza-associated Adult Deaths	0	0	0	0

Figure 2. Influenza Positive Tests and Percent Positive, Denton County Hospitals and Providers



* Percent positive tests only includes positive tests from providers reporting number of tests performed weekly

Figure 3. Influenza Positive Tests Reported to CDC by U.S. Public Health Laboratories, National Summary, 2015-16 Season

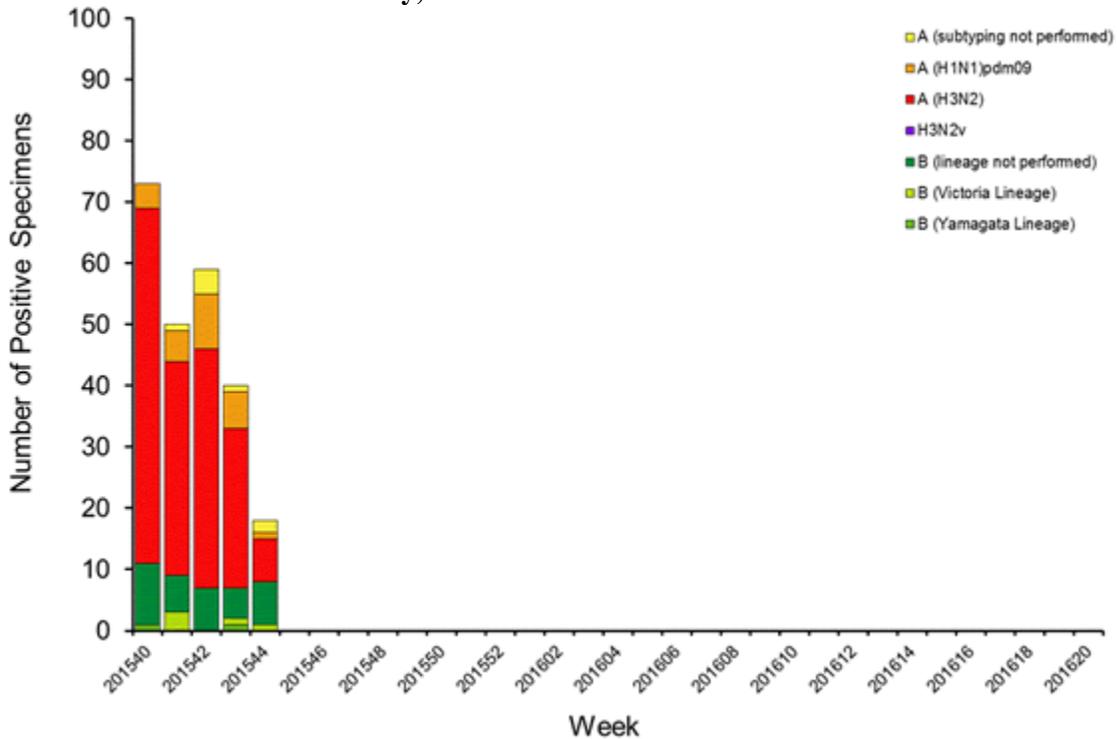


Figure 4. U.S. Virologic Surveillance, Week 44 and Cumulative Data since October 4, 2015

	Week 44	Data Cumulative since October 4, 2015 (Week 40)
No. of specimens tested	10,271	58,544
No. of positive specimens (%)	128 (1.2%)	705 (1.2%)
<i>Positive specimens by type</i>		
Influenza A	75 (58.6%)	457 (64.8%)
Influenza B	53 (41.4%)	248 (35.2%)

Figure 5. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County September 1, 2015 – November 12, 2015

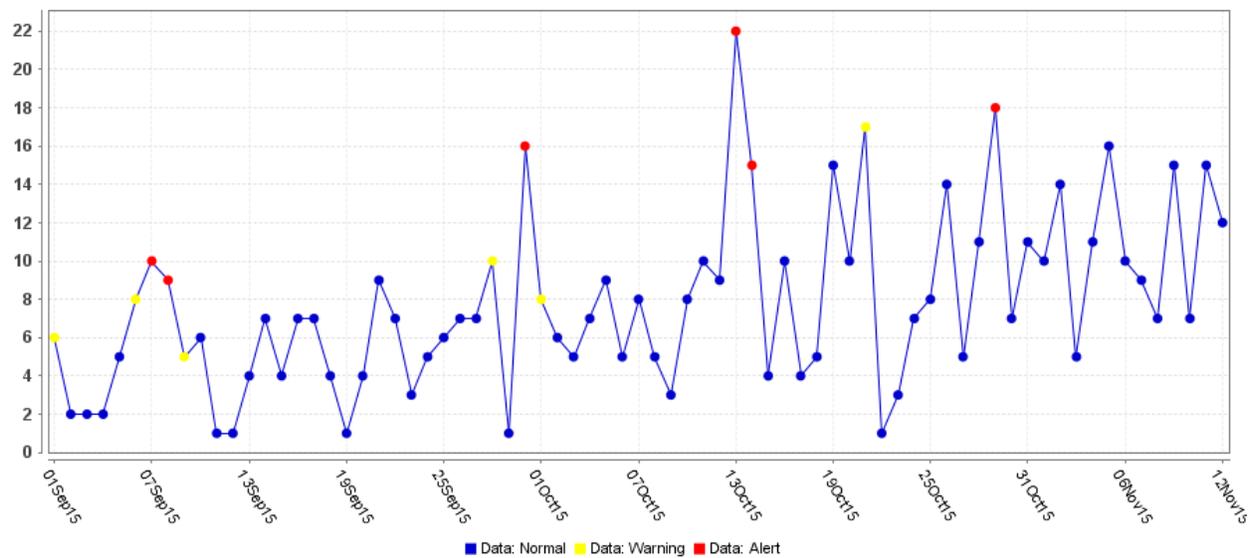
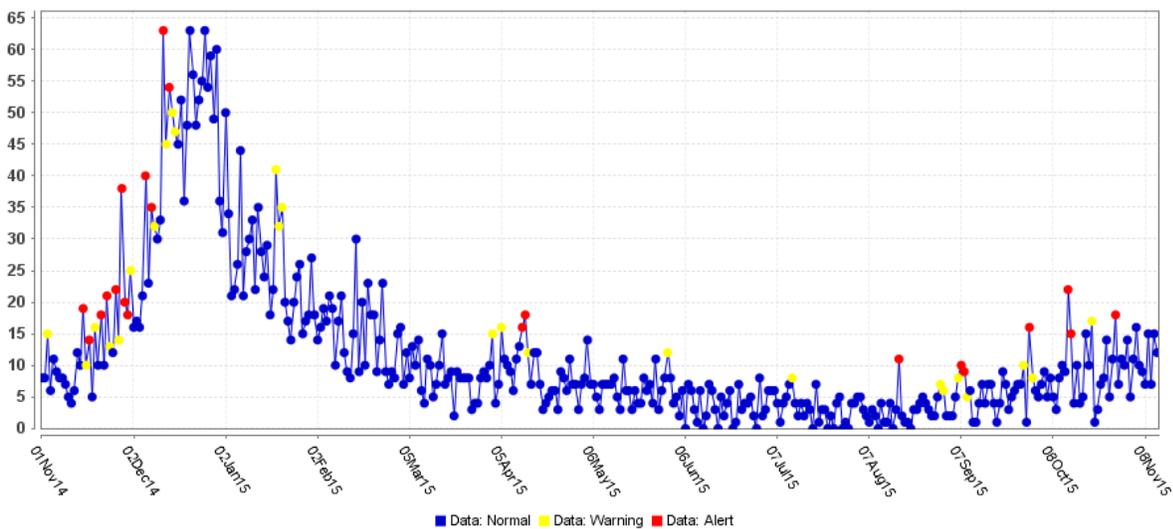
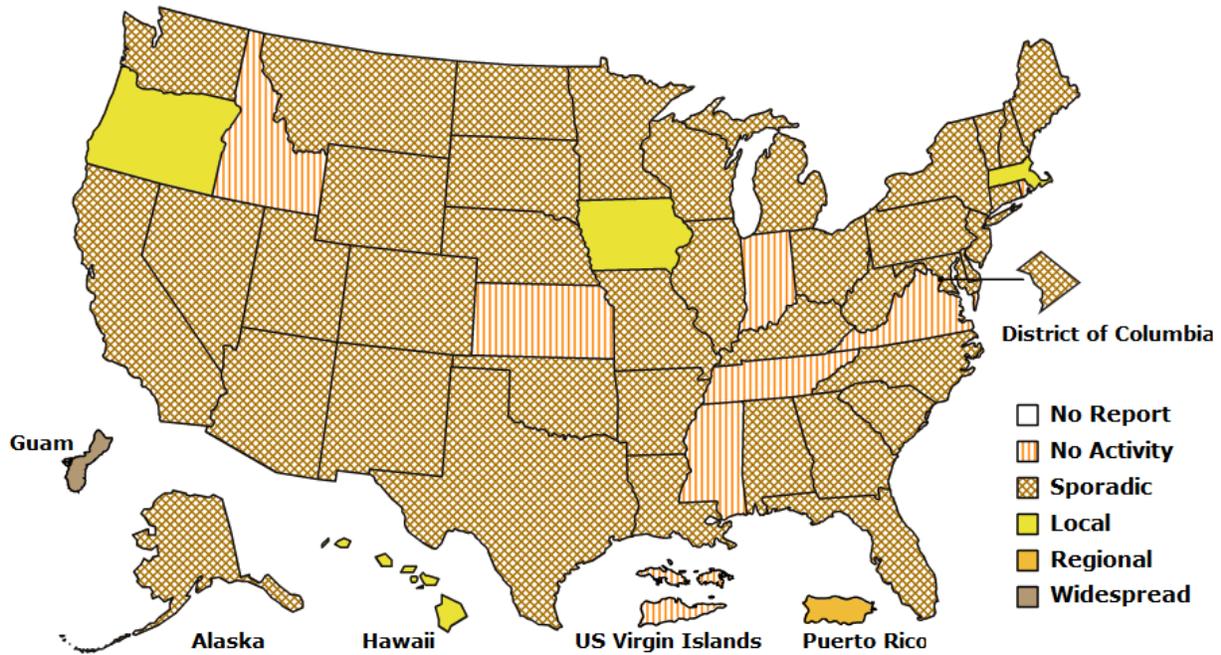


Figure 6. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County November 1, 2014 – November 12, 2015



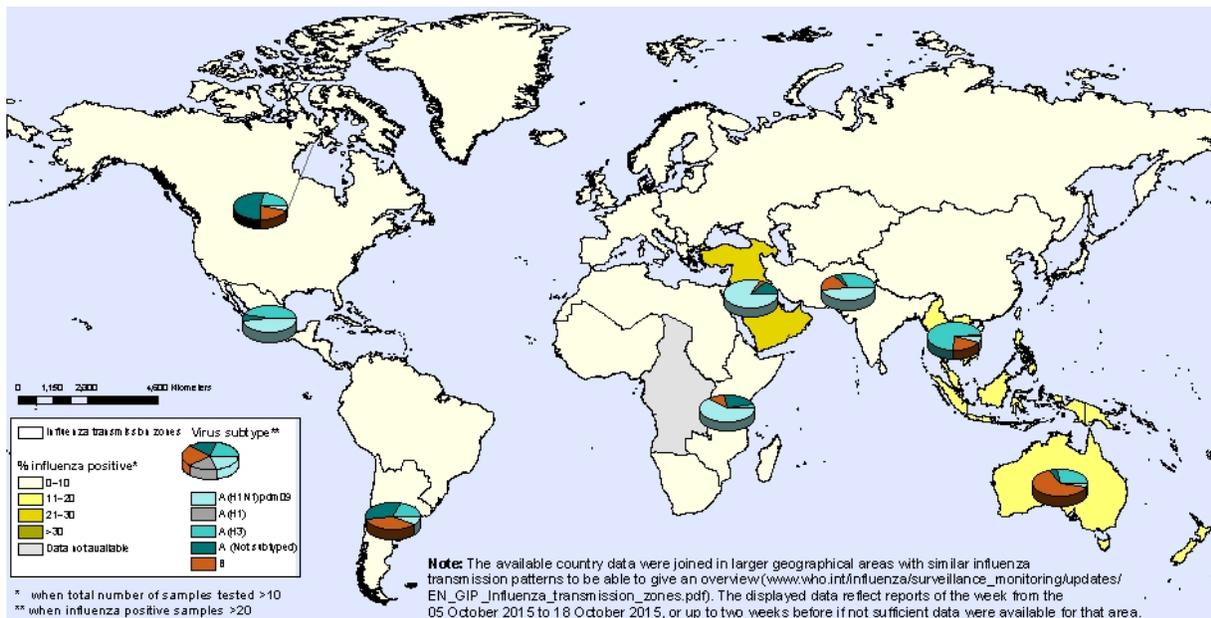
Data obtained from hospitals participating in the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) from November 2014 through the present. Depicted are the numbers of persons presenting to Emergency Departments according to patient location (Denton region) with self-reported chief complaints of influenza-like illness.

Figure 10. Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists* Week Ending November 7, 2015 – Week 44



*This map indicates geographic spread and does not measure the severity of influenza activity.

Figure 11. Percentage of Respiratory Specimens that Tested Positive for Influenza: WHO, October 5 – 18, 2015



Note: The available country data were joined in larger geographical areas with similar influenza transmission patterns to be able to give an overview (www.who.int/influenza/surveillance_monitoring/updates/EN_GIP_Influenza_transmission_zones.pdf). The displayed data reflect reports of the week from the 05 October 2015 to 18 October 2015, or up to two weeks before if not sufficient data were available for that area.

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: Global Influenza Surveillance and Response System (GISRS), FINDER (www.who.int/infonet).

World Health Organization © WHO 2015. All rights reserved.

Please send inquiries to Caitlin Thompson, MPH – Epidemiology Investigator
 Denton County Health Department at caitlin.thompson@dentoncounty.com