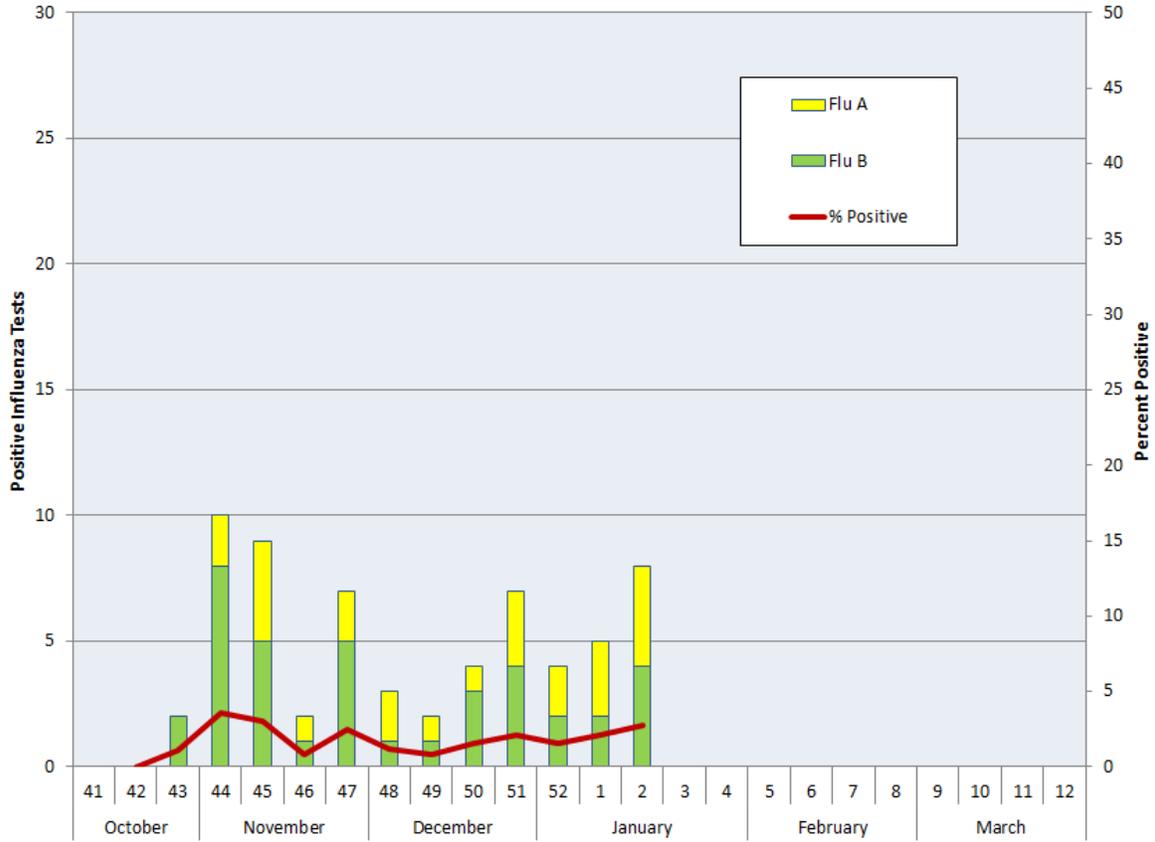


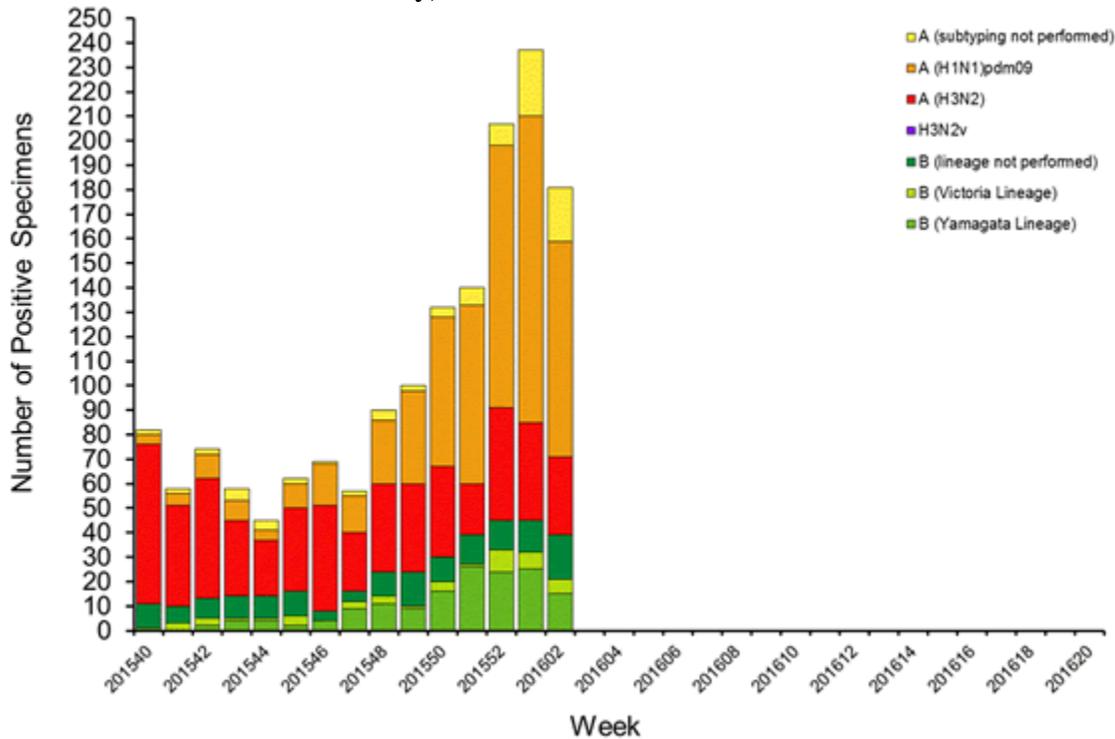


**Figure 2. Influenza Positive Tests and Percent Positive, Denton County Hospitals and Providers**

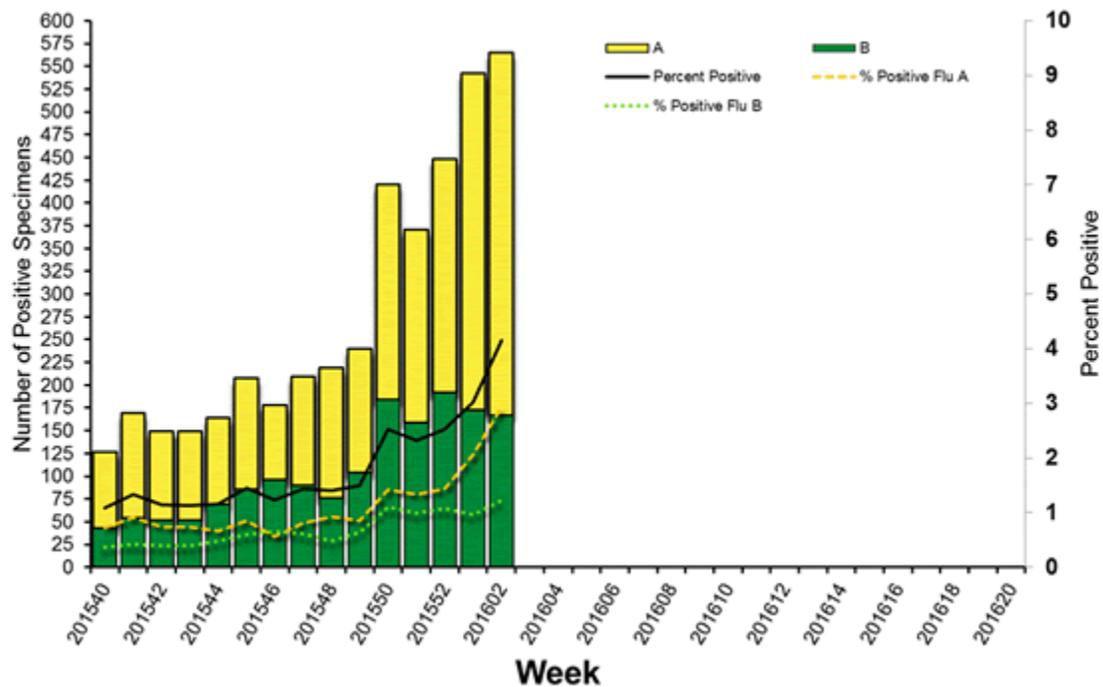


\* Percent positive tests only includes positive tests from providers reporting number of tests performed weekly

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



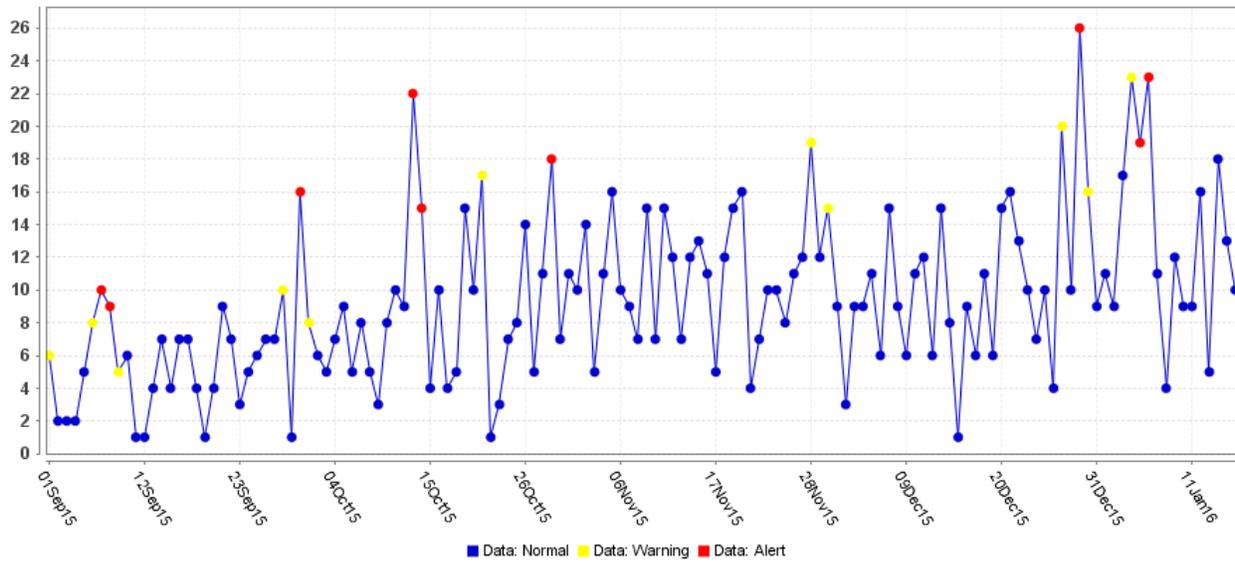
**Figure 4. Influenza Positive Tests Reported to CDC by U.S. Clinical Laboratories, National Summary, 2015-16 Season**



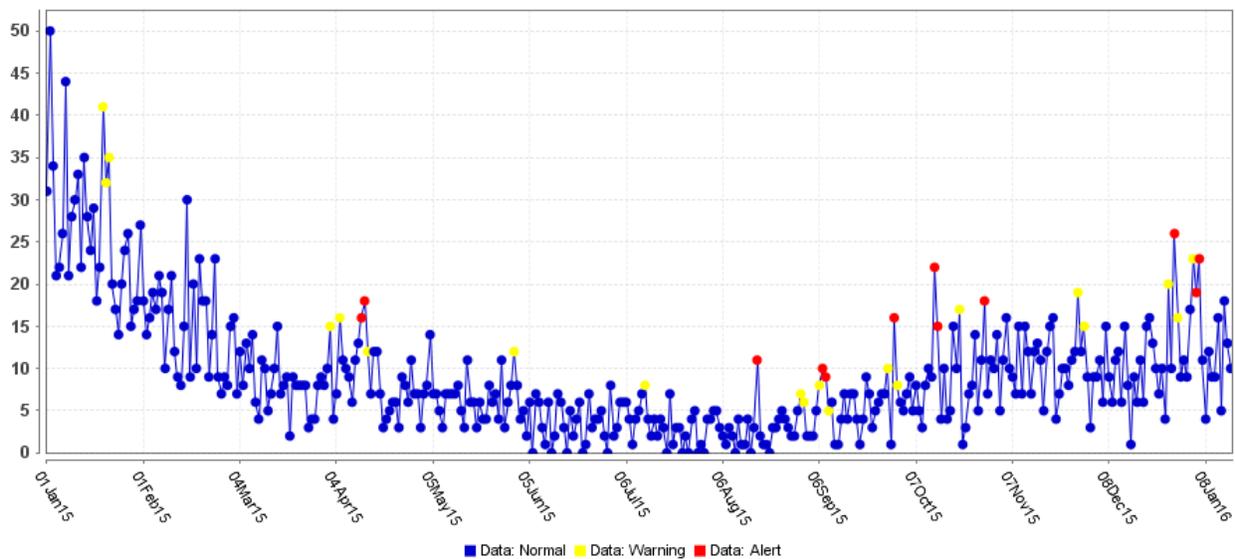
**Figure 5. U.S. Virologic Surveillance, Week 2 and Cumulative Data since October 4, 2015**

	Week 2	Data Cumulative since October 4, 2015 (Week 40)
No. of specimens tested	13,598	221,668
No. of positive specimens (%)	565 (4.2%)	4,158 (1.9%)
<i>Positive specimens by type</i>		
Influenza A	398 (70.4%)	2,561 (61.6%)
Influenza B	167 (29.6%)	1,597 (38.4%)

**Figure 6. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County  
September 1, 2015 – January 16, 2016**



**Figure 7. ESSENCE Syndromic Surveillance for Influenza-like Illness: Denton County  
January 1, 2015 – January 16, 2016**



Data obtained from hospitals participating in the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) from January 2015 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 8. Antigenic Characterization of Influenza Isolates**

2009 Influenza A (H1N1)	74 of 74 (100%) – A/California/7/2009-like
Influenza A (H3N2)	135 of 135 (100%) – A/Switzerland/9715293/2013 similar
Influenza B (Yamagata Lineage)	25 of 25 (100%) – B/Phuket/3073/2013-like
Influenza B (Victoria Lineage)	25 of 25 (100%) – B/Brisbane/60/2008-like*

www.cdc.gov/flu/weekly

**2015-16 Influenza Vaccine Composition, Northern Hemisphere:**

- A/California/7/2009 (H1N1)-like virus
- A/Switzerland/9715293/2013 (H3N2)-similar virus
- B/Phuket/3073/2013-like virus
- B/Brisbane/60/2008-like virus\*

\* 2015-2016 Northern Hemisphere quadrivalent influenza vaccine influenza B component

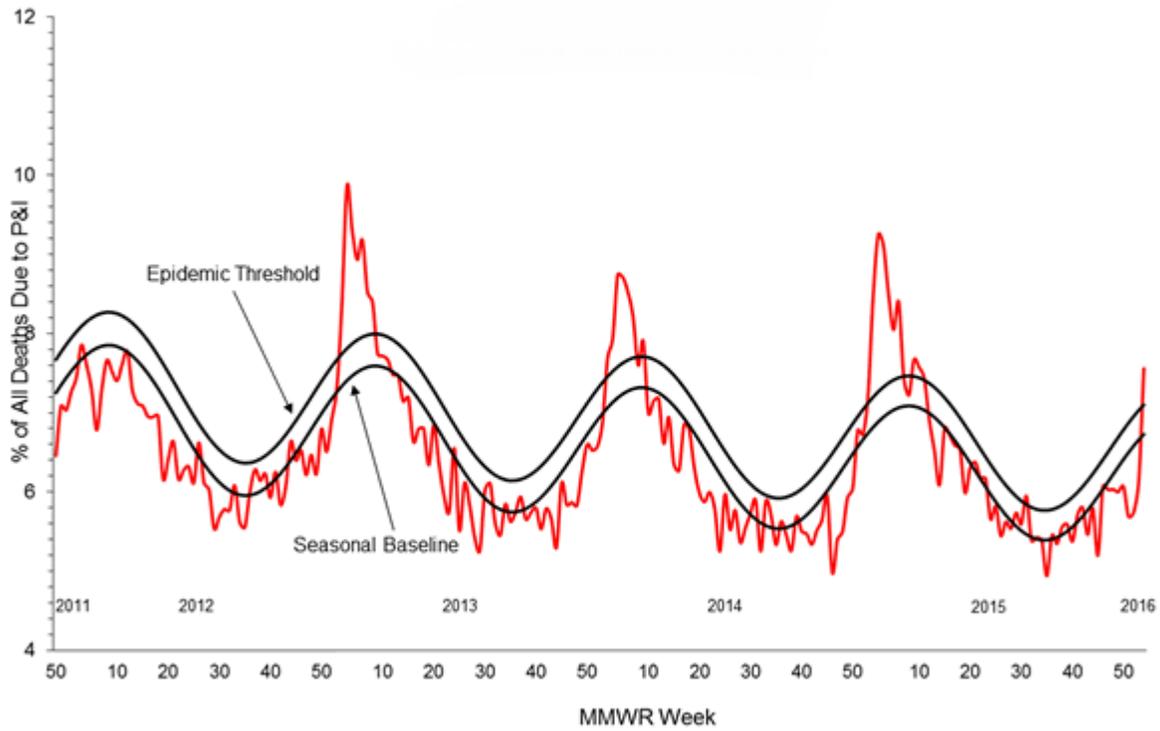
**Figure 9. Neuraminidase Inhibitor Resistance Testing Results on Samples Collected Since October 1, 2015**

	Oseltamivir		Zanamivir		Peramivir	
	Virus Samples tested (n)	Resistant Viruses, Number (%)	Virus Samples tested (n)	Resistant Viruses, Number (%)	Virus Samples tested (n)	Resistant Viruses, Number (%)
<b>Influenza A (H1N1)pdm09</b>	93	1 (1.1)	81	0 (0.0)	93	1 (1.1)
<b>Influenza A (H3N2)</b>	180	0 (0.0)	180	0 (0.0)	174	0 (0.0)
<b>Influenza B</b>	77	0 (0.0)	77	0 (0.0)	77	0 (0.0)

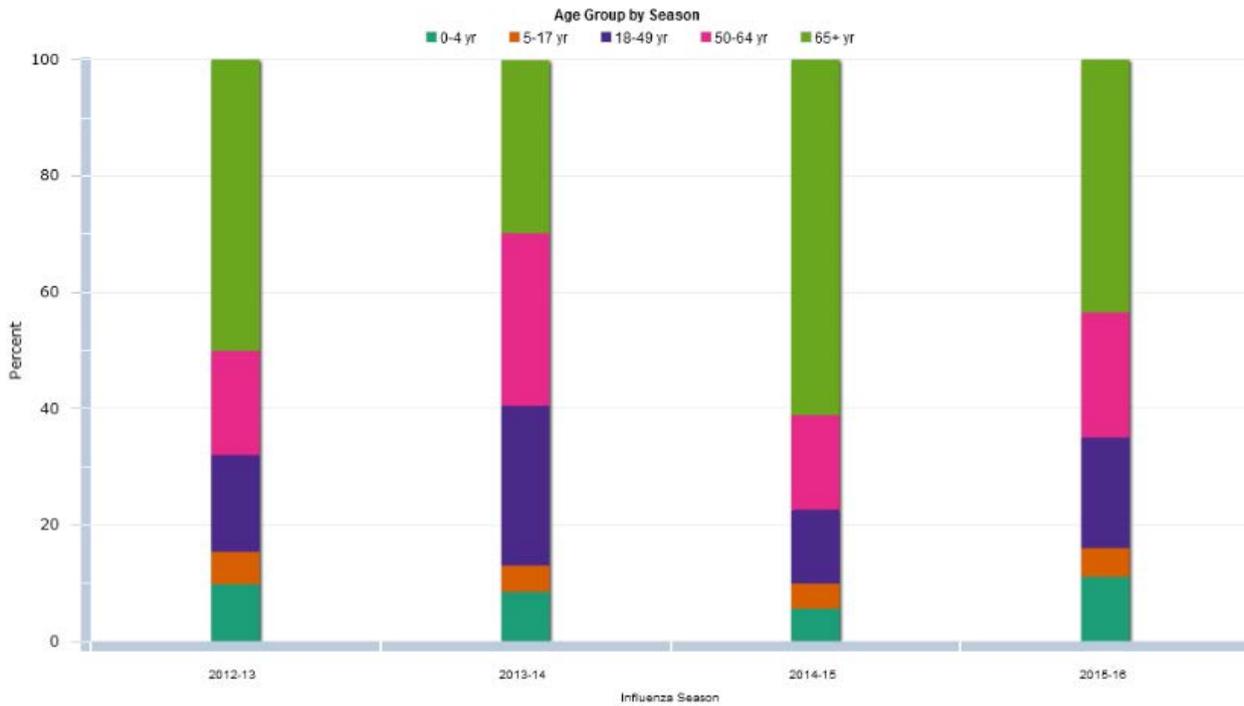
www.cdc.gov/flu/weekly

\*\* Antiviral treatment with oseltamivir, zanamivir, or peramivir is recommended as early as possible for patients with confirmed or suspected influenza who have severe, complicated, or progressive illness; who require hospitalization; or who are at high risk for serious influenza-related complications.

**Figure 10. Pneumonia and Influenza Mortality for 122 U.S. Cities: Week ending January 16, 2016**



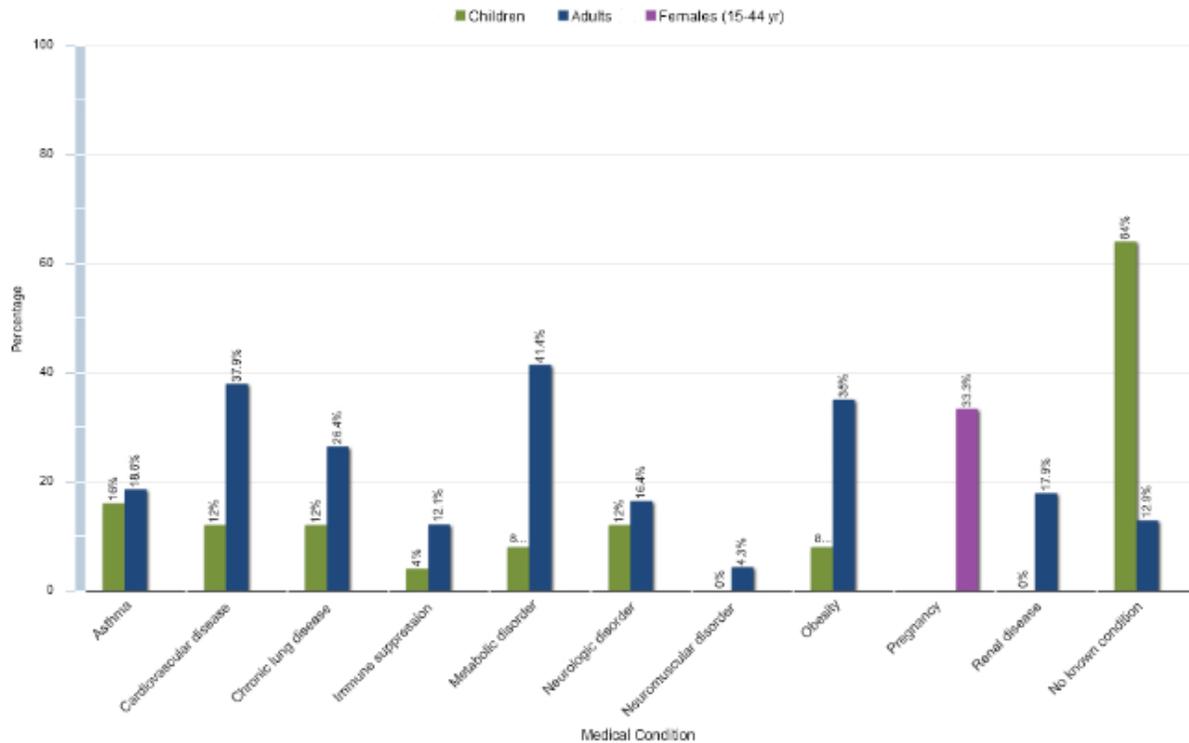
**Figure 11. FluSurv-NET Laboratory-Confirmed Influenza Hospitalizations by Age Group, Preliminary data as of January 15, 2016**



The FluSurv-NET covers more than 70 counties in the 10 Emerging Infections Program (EIP) states (CA, CO, CT, GA, MD, MN, NM, NY, OR, TN) and three additional states (MI, OH and UT).

FluView: Influenza Hospitalization Surveillance Network, Centers for Disease Control and Prevention. <http://www.cdc.gov/flu/weekly/>. Accessed on 1/22/16.

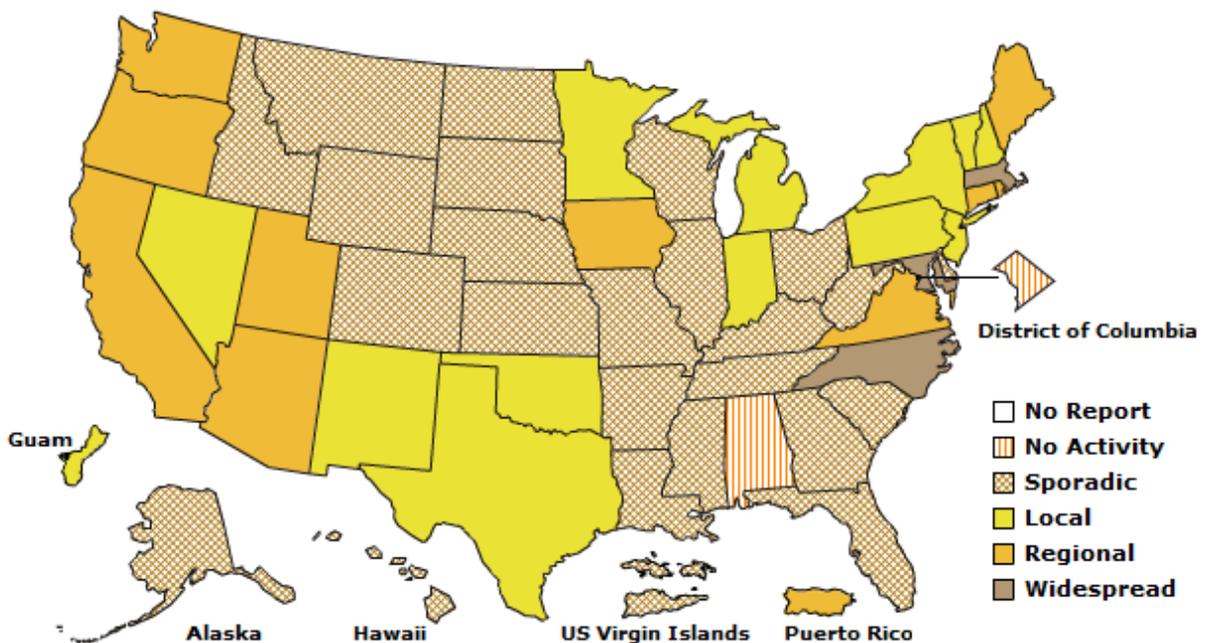
**Figure 12. FluSurv-NET Laboratory-Confirmed Influenza Hospitalizations: Selected Underlying Conditions 2015-16 Season, Preliminary data as of January 15, 2016**



The FluSurv-NET covers more than 70 counties in the 10 Emerging Infections Program (EIP) states (CA, CO, CT, GA, MD, MN, NM, NY, OR, TN) and three additional states (MI, OH and UT).

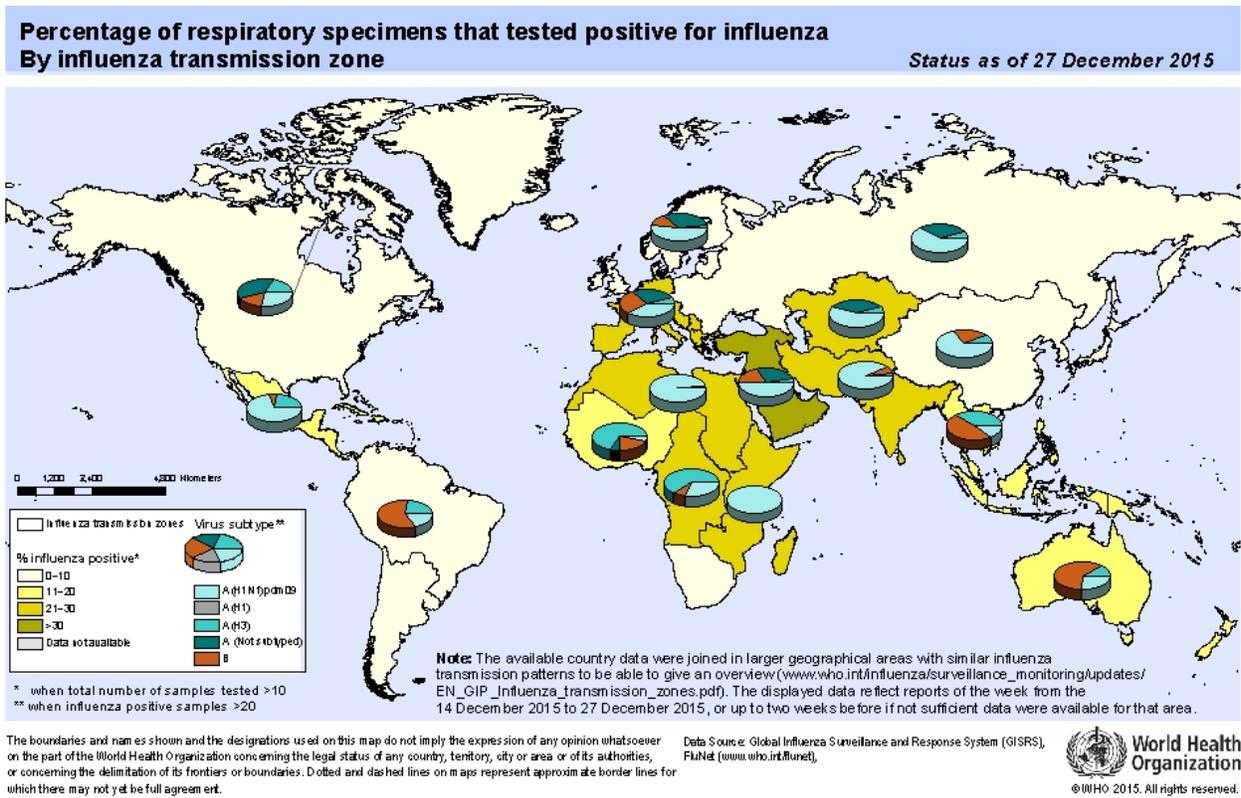
FluView: Influenza Hospitalization Surveillance Network, Centers for Disease Control and Prevention. <http://www.cdc.gov/flu/weekly/>. Accessed on 1/22/16.

**Figure 13. Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\* Week Ending January 16, 2016 – Week 2**



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

**Figure 14. Percentage of Respiratory Specimens that Tested Positive for Influenza: WHO, as of December 27, 2015**



Please send inquiries to Caitlin Thompson, MPH – Epidemiology Investigator  
 Denton County Health Department at [caitlin.thompson@dentoncounty.com](mailto:caitlin.thompson@dentoncounty.com)