



Dallas County Health and Human Services 2010-2011 Influenza Surveillance Program

CDC Week 36 -- Week ending September 11, 2010

Epidemiologic Overview

- Very little influenza activity has been reported in Dallas County, with the percentage of positive influenza tests from surveillance sites about 0.3% during week 36.
- One Dallas County resident was hospitalized with PCR-confirmed influenza B during week 36.
- Seasonal influenza B virus and H3N2 has been identified from hospital laboratory specimens in Dallas County in recent weeks.
- RSV activity is absent in the area, with no RSV tests from North Texas surveillance sites positive for RSV.

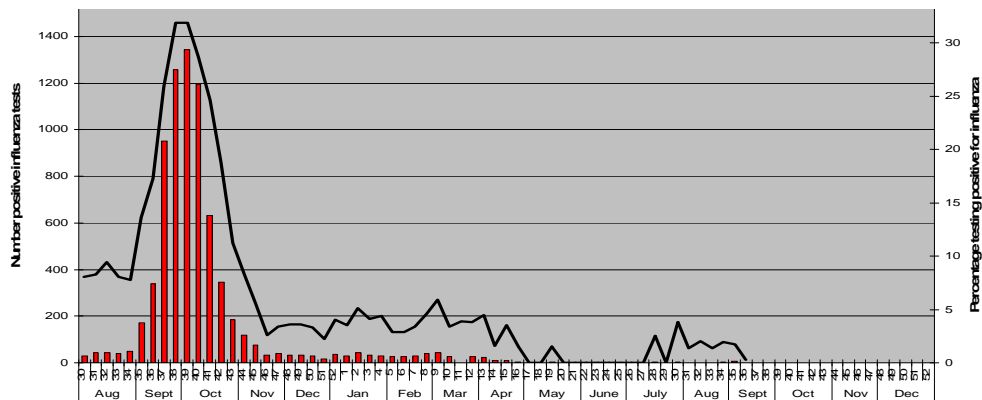
Figure 1. Influenza Laboratory Surveillance: Dallas County Providers, Hospitals, & Viral Labs

Week Ending	July 24	July 31	Aug 7	Aug 14	Aug 21	Aug 28	Sep 4	Sep 11
CDC Week	29	30	31	32	33	34	35	36
# Influenza Tests Performed Weekly	93	78	72	49	70	209	301	332
# Total Positive Influenza Tests	0	3	0	1	1	4	5	1
% Positive Influenza Tests	0	3.8	0	2.0	1.4	1.9	1.7	0.3
# Positive A Influenza ¹	0	3	0	1	1	3	2	1
# Positive B Influenza	0	0	0	0	0	1	3	0
# Non-differentiated Influenza ²	0	0	0	0	0	0	0	0
# Influenza Hospitalizations	0	0	0	0	0	0	0	1
# Influenza-associated Deaths	0	0	0	0	0	0	0	0

¹Further subtyping results are performed only for specimens referred by institutions for PCR-testing (see figure 4).

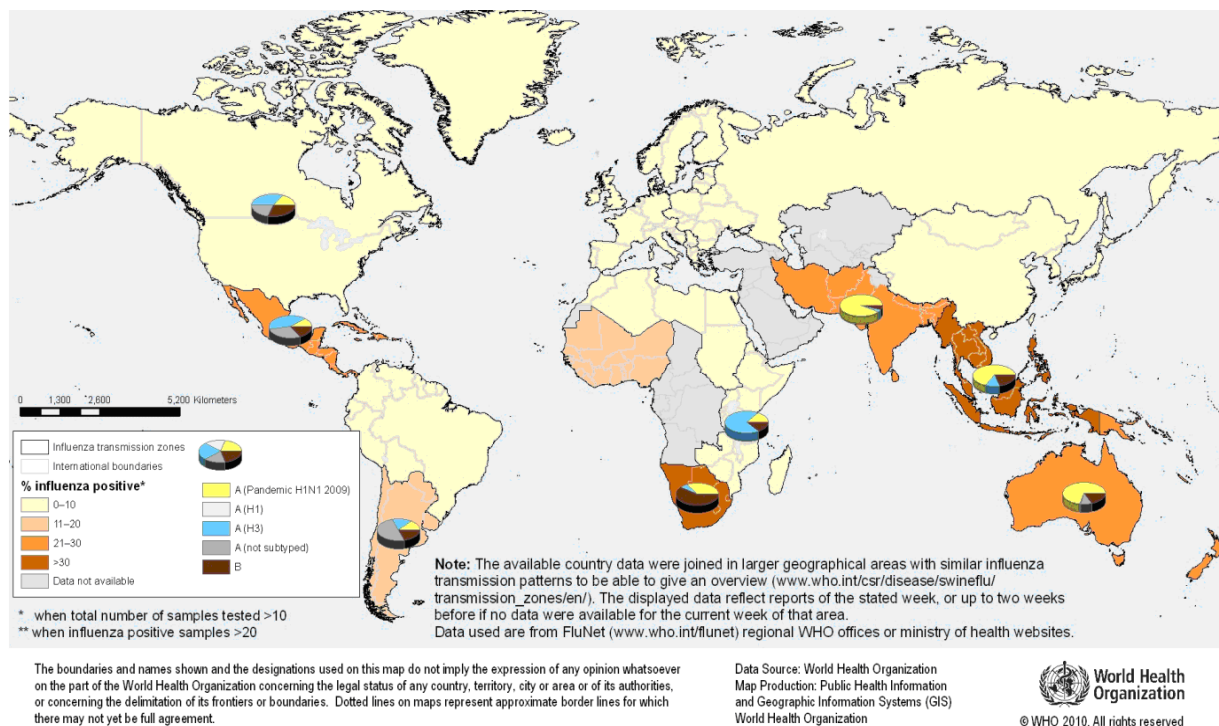
²Non-differentiated refers to institutional rapid test results which did not differentiate between influenza A and B.

Figure 2. Number and Percentage Positive Influenza Tests by Week, Dallas County: 2009-10 and 2010-11 Seasons



Data for Week 36 obtained from the same surveillance sites as designated for DCHHS' seasonal influenza program, with over 20 participating Dallas area hospitals, urgent care centers, and sentinel providers.

Figure 3. Percentage of Respiratory Specimens that Tested Positive for Influenza: WHO, August 15-21, 2010*



(*<http://www.who.int/csr/disease/influenza/>)

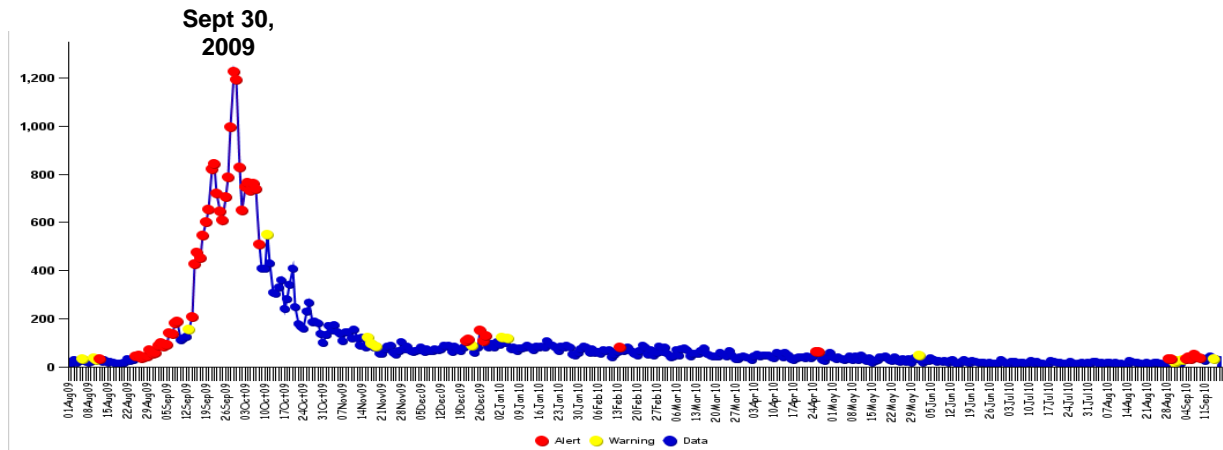
Figure 4. Dallas County LRN Influenza A PCR Test Results: 4/23/09 –9/11/2010

	April 24- Jun 27	June 28- Aug 29	Aug 30- Oct 31	Nov 1- Jan 2	Jan 3 – May 15	May16 – Sept 11
CDC Week	16-25	26-34	35-43	44-52	1-19	20-36
Influenza A (Total Positive PCR Tests)	322	181	586	115	105	6
Subtype						
Seasonal H1N1	16 (4.9%)	0	0	0	0	0
Seasonal H3N2	32 (9.9%)	1* (0.5%)	0	0	0	2 (33%)
2009 H1N1	274 (85%)	180 (100%)	586 (100%)	115 (100%)	105 (100%)	0
Influenza B (Total Positive PCR Tests)	0	0	0	0	1 (0.2%)	4 (67%)
PCR-Negative Specimens	745	16	189	227	335	78

Please Report any of the Following Influenza Patients to DCHHS at (214) 819-2004 within 1 working day:

- Hospitalized patients with influenza (any subtype) confirmed by any laboratory test (rapid antigen, culture, PCR, DFA/IFA performed in 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 a resident of any Long Term Care facility (please report *immediately*), or institutional outbreaks.

Figure 5. ESSENCE Syndromic Surveillance for Influenza-like Illness: Dallas County August 1, 2009 – September 17, 2010



Data obtained from hospitals participating in the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) from January 2008 through the present. Depicted are the numbers of persons presenting to Emergency Departments in 22 Dallas County hospitals with self-reported chief complaints of influenza-like illness.

Figure 6. NREVSS Surveillance Data, North Texas: Number and Percent Positive RSV Tests, August 2009 – September 11, 2010

	May 15	Aug 7	Aug 14	Aug 21	Aug 28	Sept 4	Sept 11
CDC Week	19	14	15*	16*	17*	18*	19*
# Tests Performed Weekly	363	119	179	170	190	80	8
# Total Positive RSV Tests	1	0	2	0	1	0	0
% Positive RSV Tests	0.3	0	1.1	0	0.5	0	0

* Indicates preliminary data which is subject to change, as adjustments are made for late-arriving data

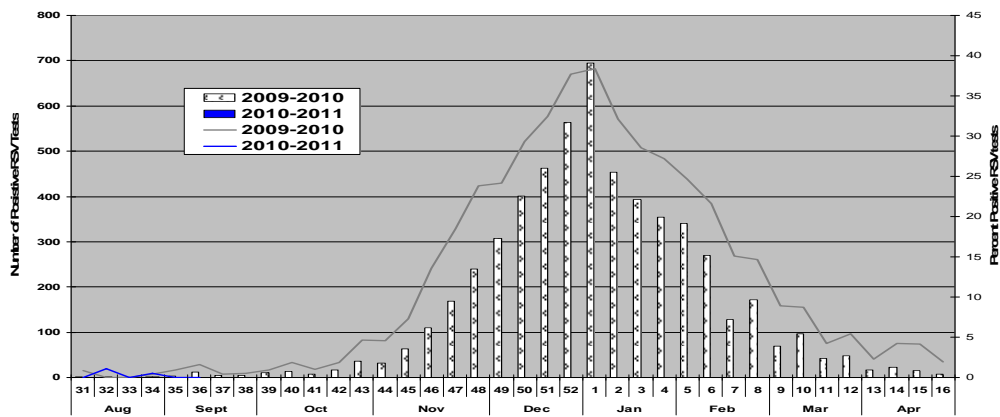
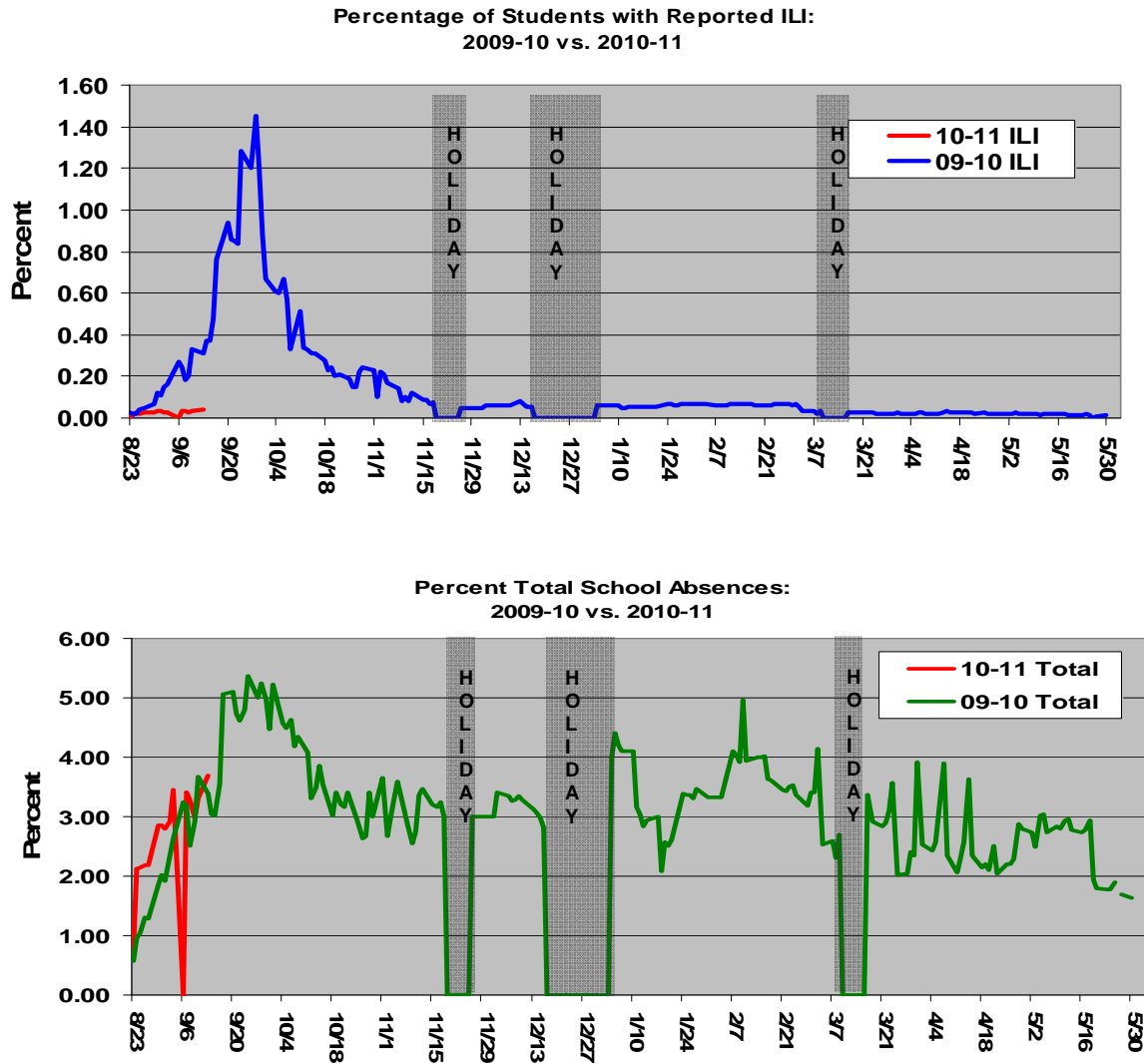


Figure 7. Percentage of Total Student Absences and Percentage of Absences due to Influenza-like Illness: Reported from 14 Independent School Districts in Dallas County: 8/24/09 – 9/11/10



- School absences and influenza-like illnesses are reported voluntarily from 14 Independent School Districts, representing over 510 elementary, middle, and secondary schools and over 420,000 students in Dallas County.
- Data are submitted from additional charter and private schools on a voluntary basis
- Data trends are also followed on an individual basis by school and an aggregate basis by districts

Please send inquiries to DCHHS: Influenza@dallascounty.org

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