

Houston Department of Health and Human Services (HDHHS)
Office of Surveillance and Public Health Preparedness
Bureau of Epidemiology
April 15, 2010

Highlights

- Novel Influenza H1N1 accounts for 100% of circulating Influenza virus as reported by our sentinel providers.
- Since the beginning of the new flu season which started on October 4, 2009, a total of 9 confirmed Novel H1N1 related deaths have been reported in the Houston area bringing the cumulative numbers to 11.
- The proportions of respiratory and constitutional related ER visits are similar to what they were at this time during previous years.
- TCH reported an increase in RSV activity during the months of October and November 2009.
- TCH and Kelsey-Seybold Clinic also reported a decrease in the number of reported influenza related activities within their facilities.

Table 1: Summary Report of H1N1 Surveillance (# of Cases)

Condition	Geographic Area	Apr 4, 2010-Apr 10, 2010	Cumulative
Hospitalized (48+ hours)	Region 6/5*	Not Available	342
	Houston **	0	120
ICU	Region 6/5	Not Available	153
	Houston	0	58
Deceased	All cases		
	Region 6/5	Not Available	42
	Houston	0	9
	Pediatric		
	Region 6/5	Not Available	8
	Houston	0	3
	Adult		
	Region 6/5	Not Available	34
	Houston	0	6

* Regional numbers are cumulative from Sept 20 2009 to Apr 3 2010 and not reported weekly.

** Houston numbers are cumulative from Oct 4 2009 to Apr 10 2010

Note: The data is current as of the date it is reported, numbers may change as additional information is received

Note: 2/10/10 One of the adult deaths was reclassified into a different age group.

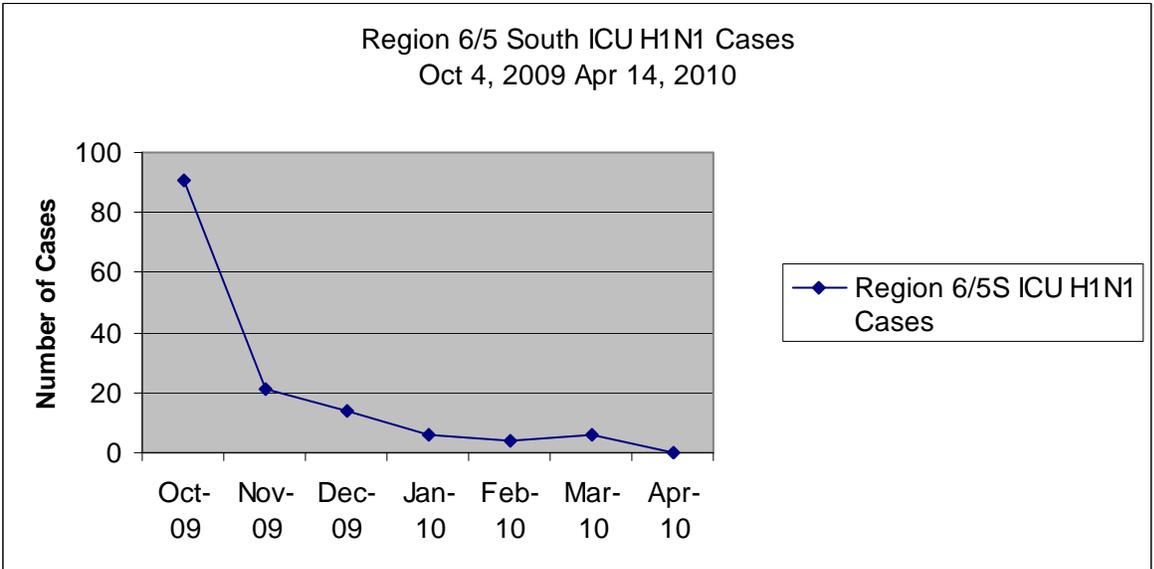
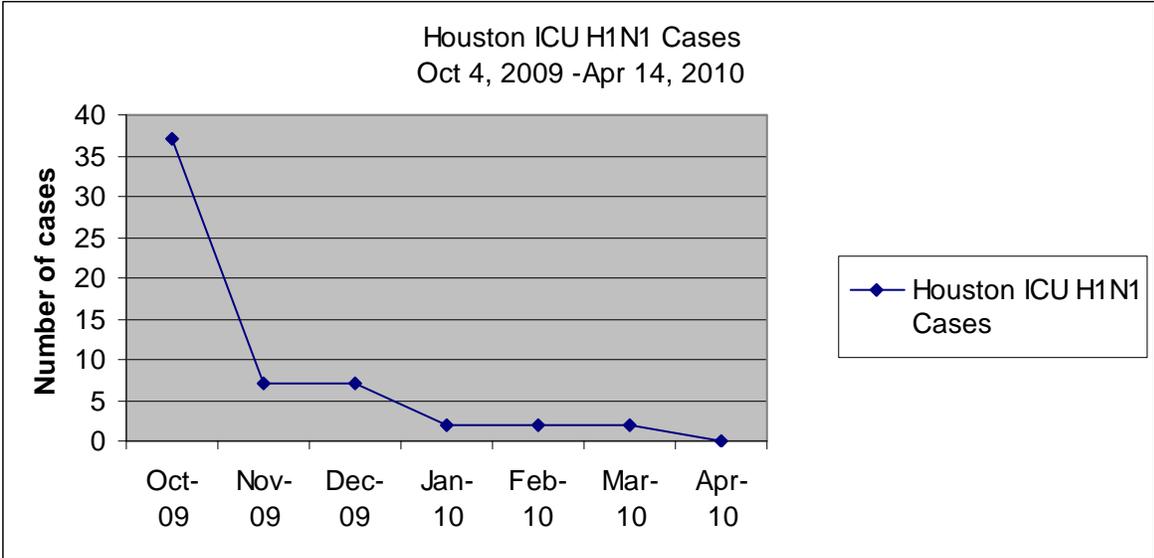


Table 2: Summary Report of nH1N1 Surveillance (Clusters and Closures)

	Apr 4 2009-Apr 10, 2010	Cumulative From Oct 4 th , 2009
Clusters		
School	0	1
Business	0	0
Assisted Living	0	0

Table 3: Surveillance (Sentinel Providers)

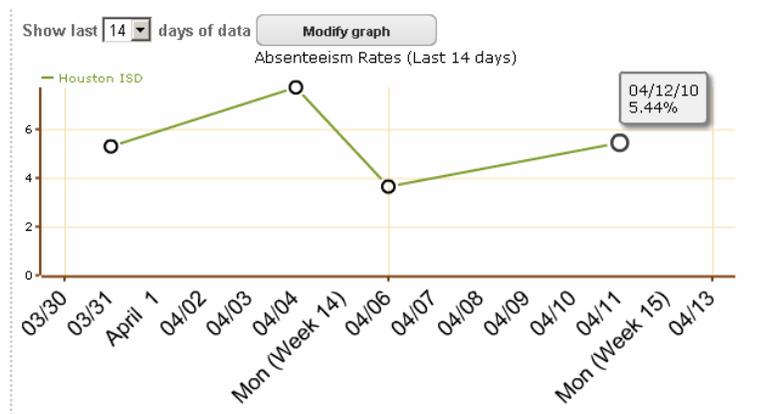
Specimen results by PCR for:	Mar 29 - Apr 2, 2010	Cumulative From October 4, 2009
Total Specimens Tested	9	761
Influenza A		
• A/Novel H1N1	7	313
• A/H1	0	0
• A/H3	0	0
• A/Subtype Pending	0	***
• A/Unsubtypable**	0	***
Influenza B	0	1
Negative	2	409

Note: The data is current as of the date it is reported.

** Sent to CDC and results are received periodically.

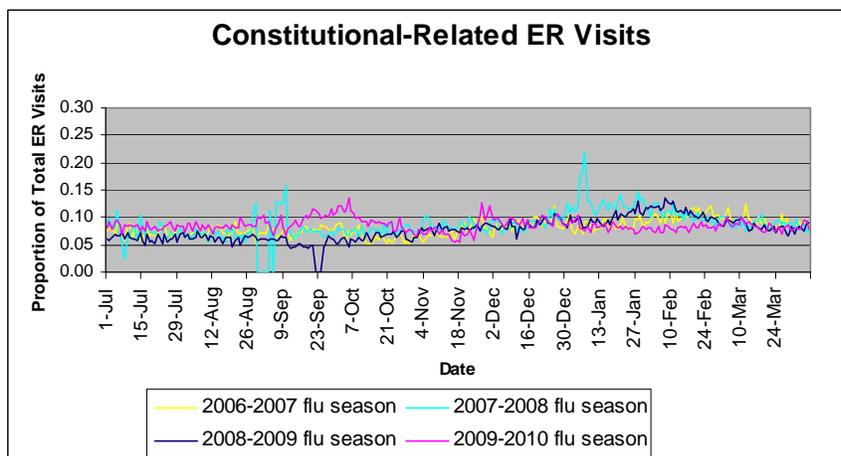
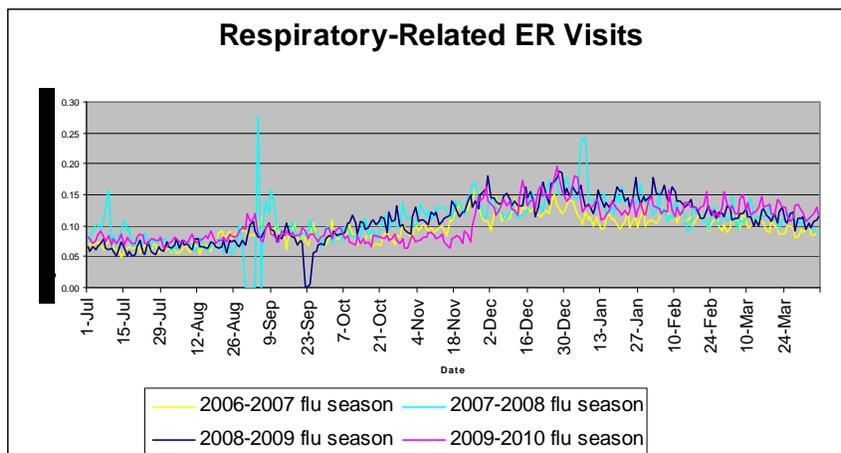
*** Numbers may change as additional results become available and added to appropriate categories

Proportion of School Absenteeism All Grades HISD 2010



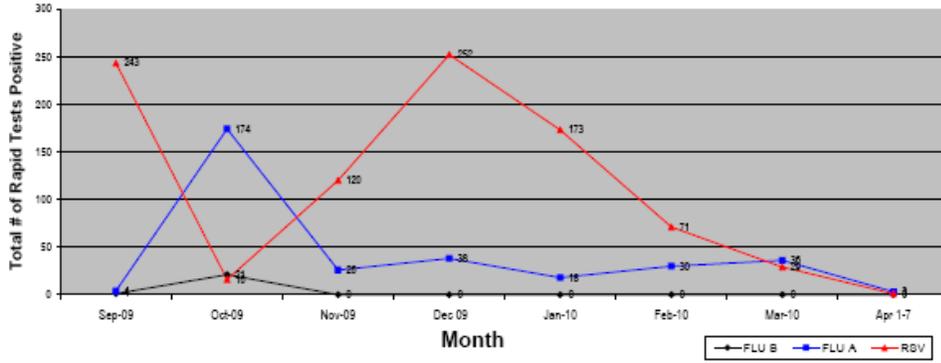
- Screen shot from Texas PHIN portal Roll Call application
- Reported school weeks run from Wednesday to Wednesday

Syndromic Surveillance



Texas Children's Hospital

Influenza A was the most common virus beginning September 2009 with a peak in October 2009. However, the activity considerably dropped between October and November 1, 2009. Also, RSV increased between October and December 2009. There was no reported case of Influenza B virus during this season.



	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr 1-7
FLU B	1	21	0	0	0	0	0	0
FLU A	4	174	25	38	18	30	36	3
RSV	243	16	120	252	173	71	29	1

Kelsey-Seybold Clinic Report

Kelsey Seybold clinic tested about 8,630 specimens between October 05, 2009 and February 13, 2010. Nine hundred and twenty eight (10.7%) were positive for Influenza A and none for influenza B. This trend confirms a decrease in flu activities as reported in our previous report.

