

**Houston Department of Health and Human Services (HDHHS)**  
**Office of Surveillance and Public Health Preparedness**  
**Bureau of Epidemiology**  
**January 30, 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 lower than they were at this time during the month of January in 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 nH1N1 Surveillance (# of Cases)**

<b>Condition</b>	<b>Geographic Area</b>	<b>Jan 24 - Jan 30, 2010</b>	<b>Cumulative</b>
<b>Hospitalized (48+ hours)</b>	Region 6/5*	Not Available	<b>304</b>
	Houston **	<b>0</b>	<b>112</b>
<b>ICU</b>			
<b>ICU</b>	Region 6/5	Not Available	<b>137</b>
	Houston	<b>0</b>	<b>55</b>
<b>Deceased</b>			
<b>Deceased</b>	<b>All cases</b>		
	Region 6/5	Not Available	<b>38</b>
	Houston	<b>0</b>	<b>9</b>
	<b>Pediatric</b>		
	Region 6/5	Not Available	<b>8</b>
	Houston	<b>0</b>	<b>3</b>
	<b>Adult</b>		
	Region 6/5	Not Available	<b>30</b>
	Houston	<b>0</b>	<b>6</b>

\* Regional numbers are cumulative from Sept 20<sup>th</sup> to Jan 16<sup>th</sup> 2010 and not reported weekly.

\*\* Houston numbers are cumulative from Oct 4<sup>th</sup> to Jan 30<sup>th</sup> 2010 Note: The data is current as of the date it is reported, numbers may change as additional information is receive.

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

	Jan 24 2009-Jan 30, 2010	Cumulative From Oct 4 <sup>th</sup> , 2009
<b>Clusters</b>		
<b>School</b>	0	1
<b>Business</b>	0	0
<b>Assisted Living</b>	0	0

**Table 3: Surveillance (Sentinel Providers)**

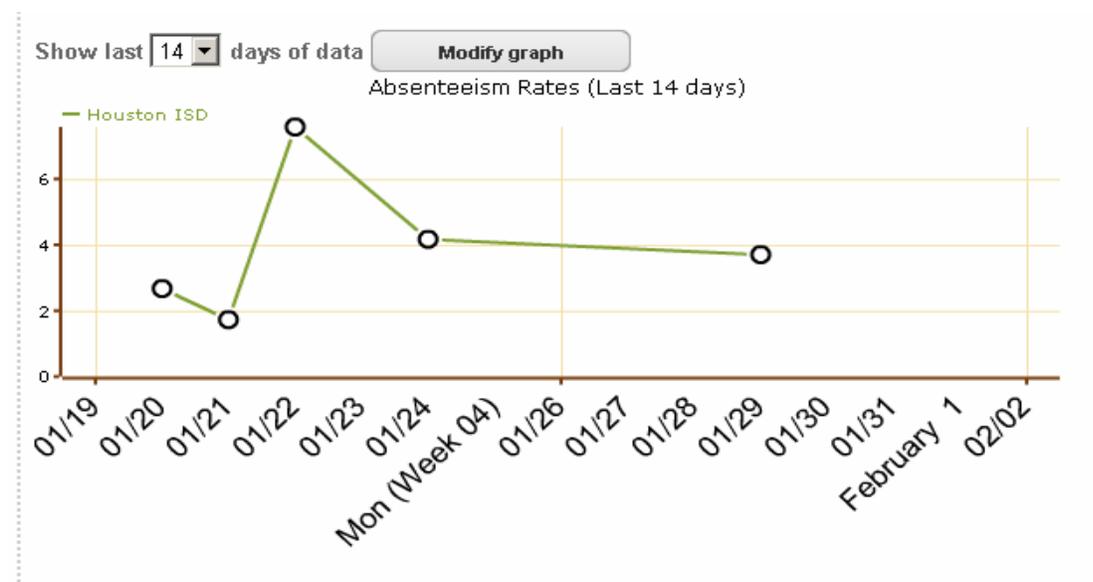
Specimen results by PCR for:	Jan 24 - Jan 30, 2010	Cumulative From October 4, 2009
Total Specimens Tested	16	677
<b>Influenza A</b>		
• A/Novel H1N1	3	294
• A/H1	0	0
• A/H3	0	0
• A/Subtype Pending	0	***
• A/Unsubtypable**	0	***
<b>Influenza B</b>	0	1
<b>Negative</b>	13	346

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

\*\* Sent to CDC and results are received periodically.

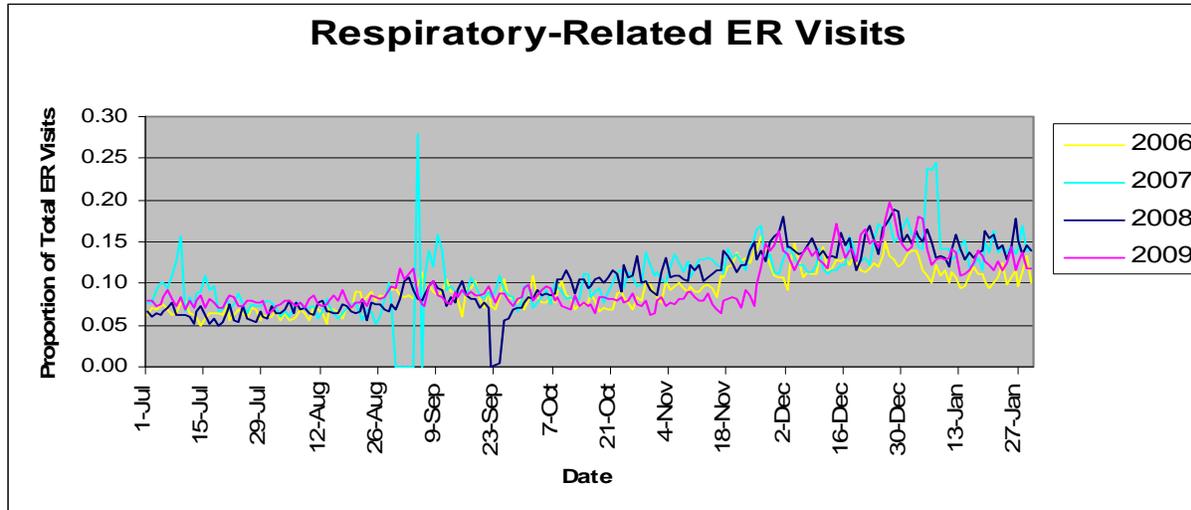
\*\*\* Numbers may change as additional results become available and added to appropriate categories.

**Proportion of School Absenteeism All Grades - HISD 2010**

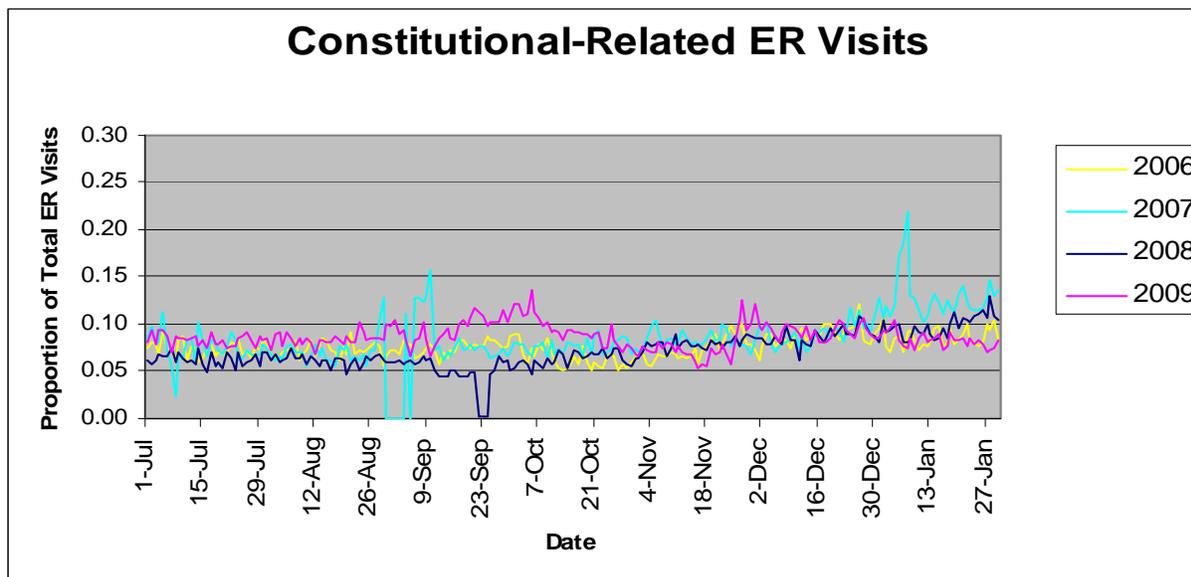


- Screen shot from Texas PHIN portal Roll Call application
- Reported school weeks run from Wednesday to Wednesday

## Syndromic Surveillance



**Respiratory:** problems of the nose (coryza) and throat (pharyngitis), as well as the lungs. Examples of respiratory-related illness include congestion, sore throat, tonsillitis, sinusitis, cold symptoms, bronchitis, cough, shortness of breath, asthma, chronic obstructive pulmonary disease (COPD), and pneumonia.



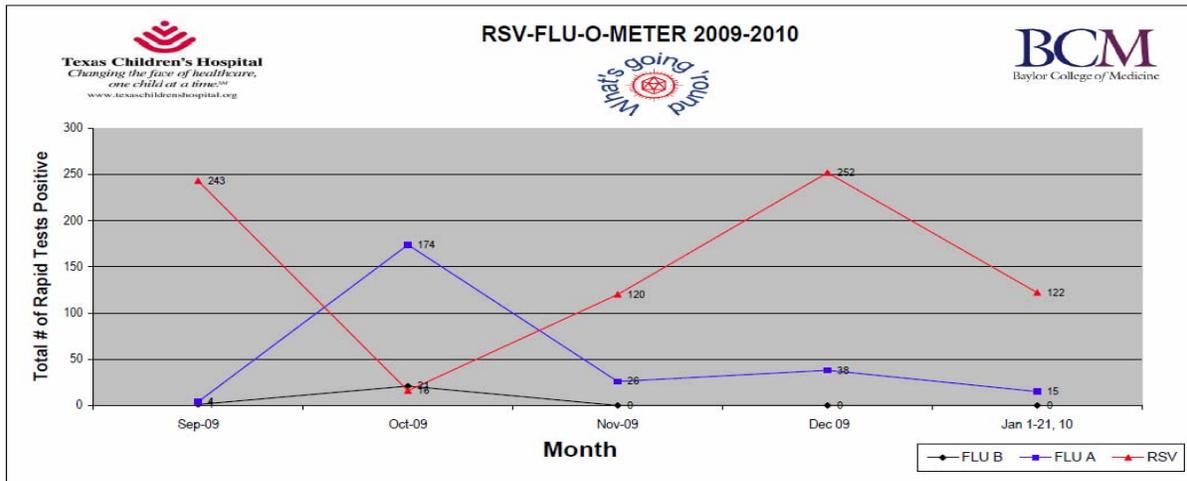
**Constitutional:** non-localized, systemic problems including fever, chills, body aches, flu symptoms (viral syndrome), weakness, fatigue, anorexia, malaise, lethargy, sweating (diaphoresis), light headedness, faintness and fussiness. This syndrome is typically representative of young age groups.

*\*NOTE: Please note that data drops occurred during the period.*

## 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 December 1, 2009.

Also, RSV increased between October and November 2009. There has been a continuous decline in the circulating levels of Influenza A and RSV beginning November 2009 till the present period. There was no reported case of Influenza B virus during the months of November and December 2009 or January 2010.



	Sep-09	Oct-09	Nov-09	Dec 09	Jan 1-21, 10
FLU B	1	21	0	0	0
FLU A	4	174	26	38	15
RSV	243	16	120	252	122

### Kelsey-Seybold Clinic Report

Kelsey Seybold clinic tested about 366 specimens between December 7 and December 19, 2009 and 10 (2.7%) were positive for Influenza A and none for influenza B. This trend confirms a decrease in flu activities as reported in our previous report.

