

WEEKLY FLU REPORT

Epidemiology Program—Influenza-Like Illness (ILI) Surveillance

2016 CDC Week 18

This report includes...

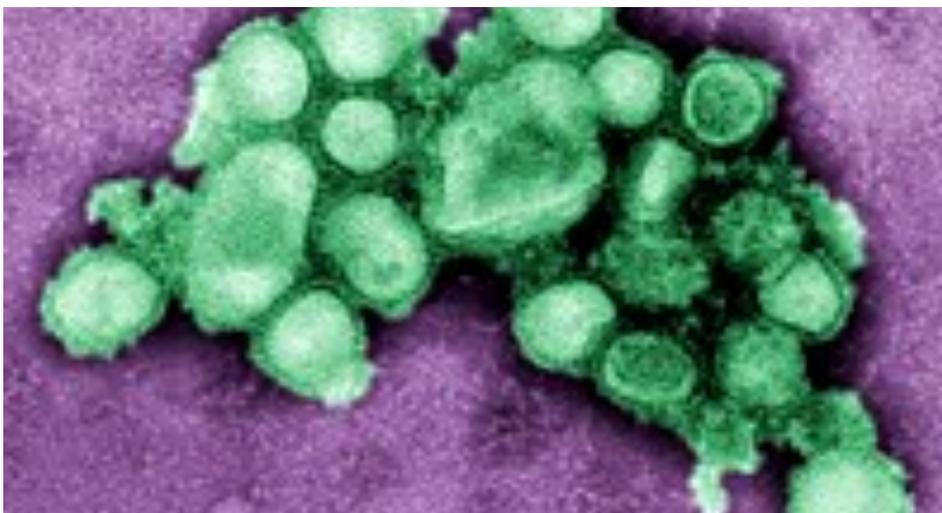
- ⇒ This report includes information on influenza-like illness (ILI) activity in Harris County as well as on the state and national level.
- ⇒ Absenteeism data are voluntarily reported from school nurses located at area public schools.

Important Notes:

- ⇒ Influenza-like illness (ILI) is defined as an illness including a fever (temperature of at least 100 °F) with a cough OR a sore throat, without another known cause (such as strep throat).
- ⇒ Influenza/ILI is reported on a voluntary basis and is not a mandatory notifiable condition.
- ⇒ Similarly, rapid influenza test results are also reported on a voluntary basis.
- ⇒ Therefore, data presented in this report indicate trends and should not be interpreted as a complete and total picture of influenza activity in Harris County.
- ⇒ The 2015-2016 influenza season is from October 4, 2015—May 21, 2016.

Public Health is “what we as a society do collectively to assure the conditions in which people can be healthy”

- The Future of the Public's Health in the 21st Century, Institutes of Medicine, 2003

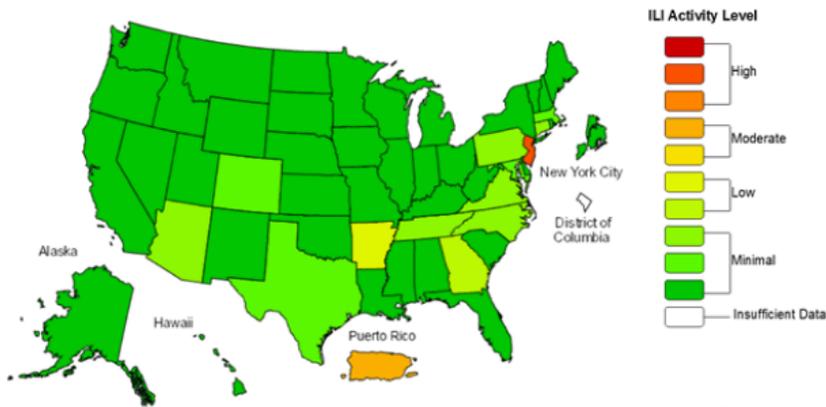


Negative stain EM image of the 2009 H1N1 influenza A/CA/4/09
Source: <http://www.cdc.gov/media/subtopic/library/diseases.htm>
Photo Credit: C. S. Goldsmith and A. Balish, CDC

In This Issue

- National and State Influenza Activity
- Harris County School Absenteeism
- Texas Influenza Lab Testing Summary

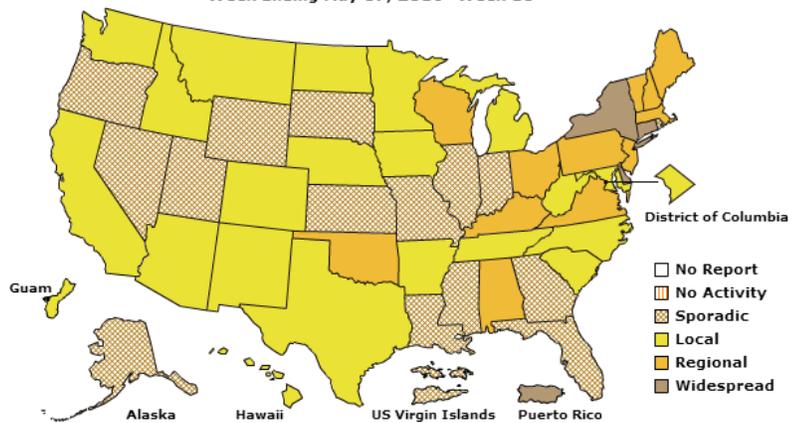
Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2015-16 Influenza Season Week 18 ending May 07, 2016



Nationally

Influenza activity is considered to be at minimal levels with local spread in the state of Texas for CDC Week 18 (May 1, 2016—May 7, 2016).

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending May 07, 2016- Week 18



Source: <http://www.cdc.gov/flu/weekly>

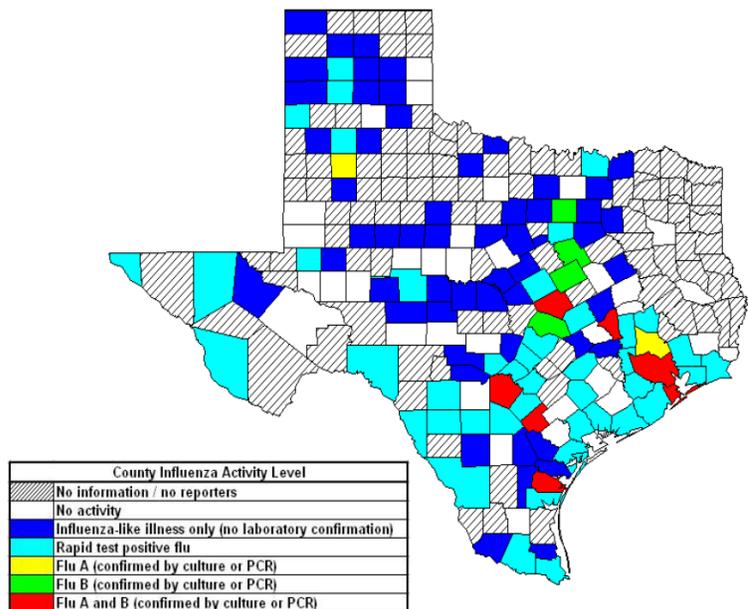
Statewide

No variant influenza viruses have been identified in Texas during this flu season.

Locally

There have been two influenza-associated pediatric deaths reported in Harris County (excluding the City of Houston) during this flu season.

Statewide Influenza Activity Map
 Figure 4: Texas Map Displaying the Highest Level of Influenza or ILI Activity Reported by County for the Week Ending May 7, 2016 (MMWR Week 18)



County Influenza Activity Level	
[Hatched pattern]	No information / no reporters
[White]	No activity
[Blue]	Influenza-like illness only (no laboratory confirmation)
[Cyan]	Rapid test positive flu
[Yellow]	Flu A (confirmed by culture or PCR)
[Green]	Flu B (confirmed by culture or PCR)
[Red]	Flu A and B (confirmed by culture or PCR)

Source: <https://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/2016/>

School Reporting

Influenza/ILI reporting is voluntary as it is not a mandatory notifiable condition. Therefore, this report indicates trends and should not be interpreted as a complete and total picture of influenza activity in Harris County.

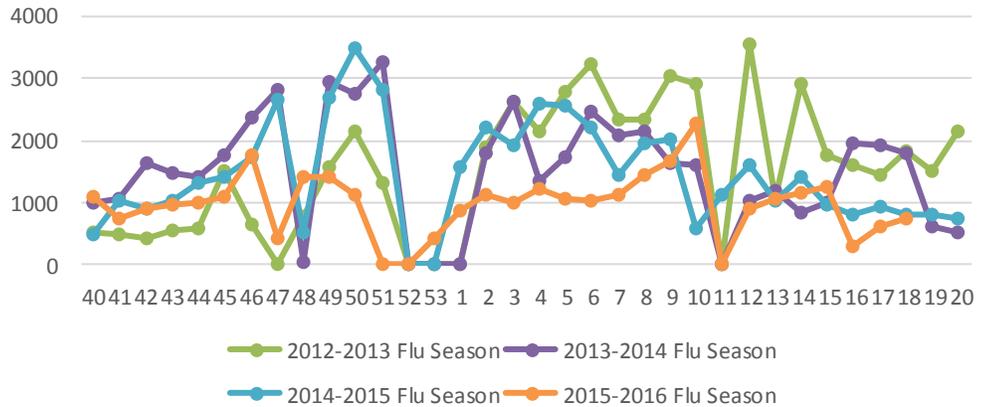
Daily absenteeism and student/staff ILI numbers are reported from schools in the 18 Harris County Independent School Districts (ISDs). Schools were asked to begin reporting ILI from the beginning of the school year; however, reporting participation generally increases as occurrence of ILI increases.

The 2012-2013, 2013-2014, and 2015-2016 influenza seasons did not have a week 53; the week 53 data point for those seasons is an average of weeks 52 and 1.

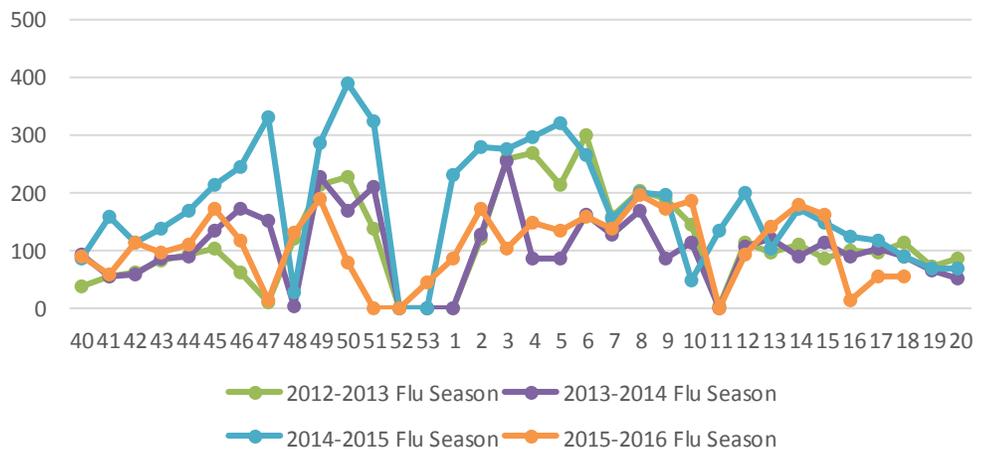
School holidays:

- * Week 47/48 (Thanksgiving)
- * Week 52-Week 1 (Winter Break)
- * Week 10/11 (Spring Break)

Student Absenteeism Due to Influenza-Like Illness (ILI) by CDC Week
2015-2016 Influenza Season



Staff Absenteeism Due to Influenza-Like Illness (ILI) by CDC Week
2015-2016 Influenza Season



School Absenteeism Due to Influenza-Like Illness (ILI) by CDC Week
2015-2016 Influenza Season

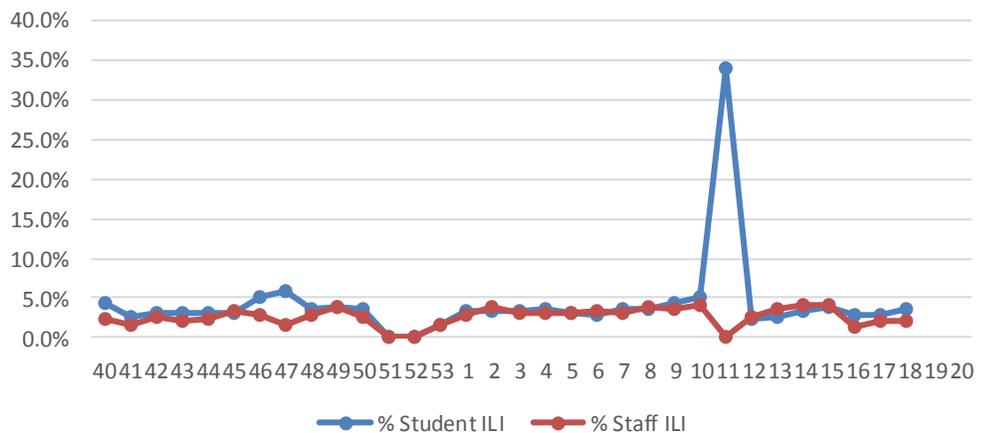
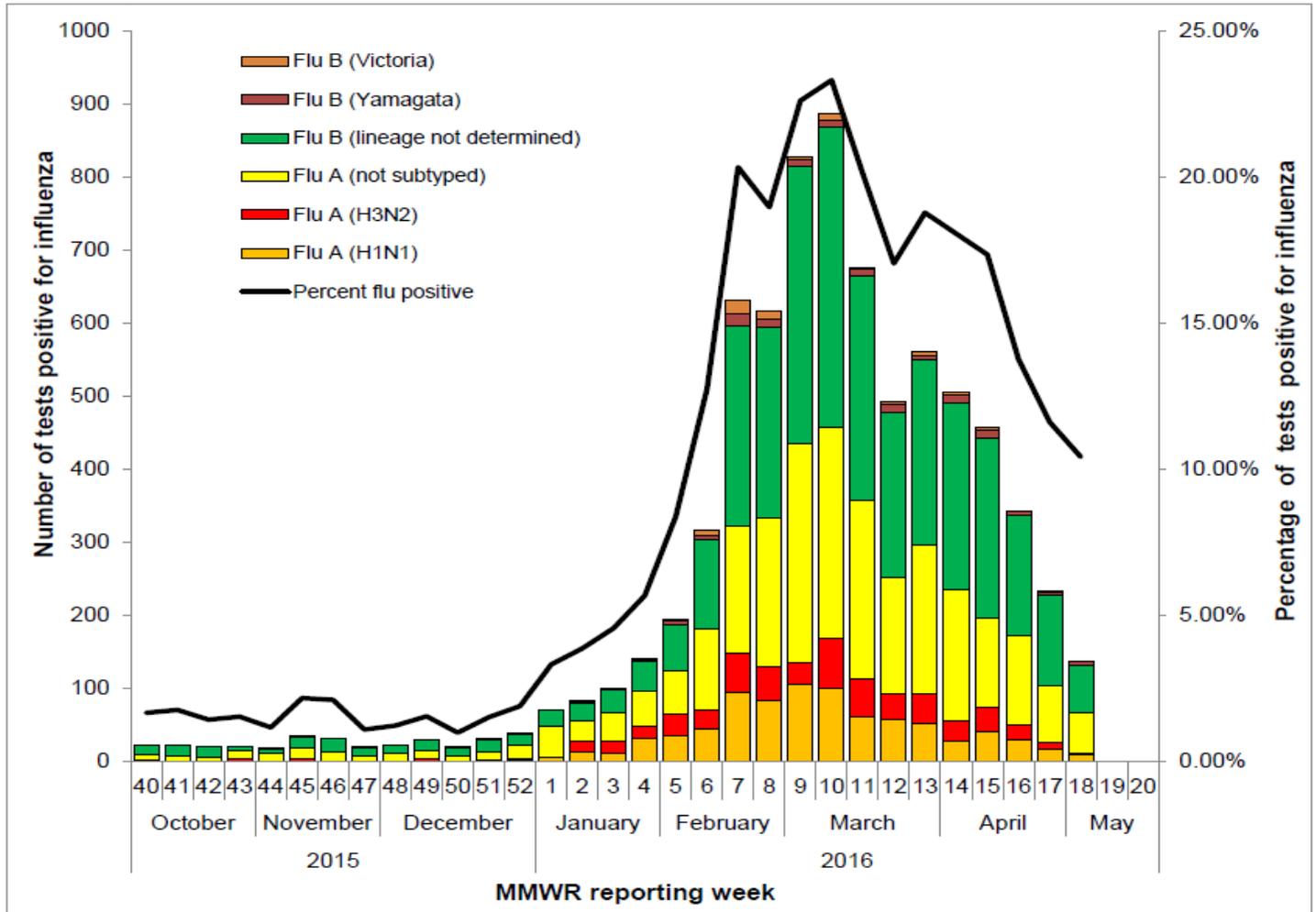


Figure 1: Number and Percentage of Tests (Antigen, Culture, PCR) Positive for Influenza by Type, Subtype, and Lineage Reported by Texas Laboratories, 2015–2016 Season



Source: <https://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/2016/>

Additional Information

Harris County Public Health
<http://www.hcphtx.org/Services-Programs/Programs/Epidemiology>

Texas Department of State Health Services
 Influenza Surveillance: <http://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/>

Centers for Disease Control and Prevention
 FluView Weekly Report: <http://www.cdc.gov/flu/weekly>
 Information for Schools/Childcare Providers: <http://www.cdc.gov/flu/school/index.htm>

World Health Organization
 Influenza Surveillance: <http://www.who.int/topics/influenza/en/>

Contact Us

HCPH

Epidemiology Department
 2223 West Loop South
 Houston, TX 77027

Phone: (713) 439-6000
 Fax: (713) 439-6306

Visit us on the web at
www.hcphtx.org

Follow us on Twitter:
 @HCPHTX

Like us on Facebook:
 Harris County Public Health