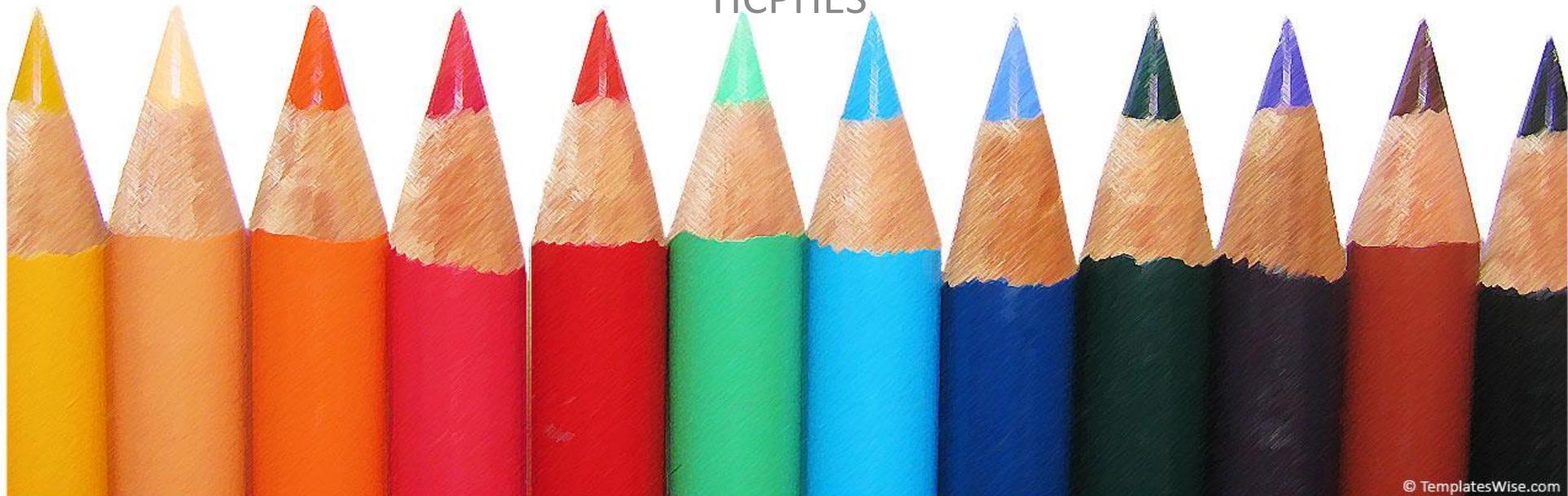


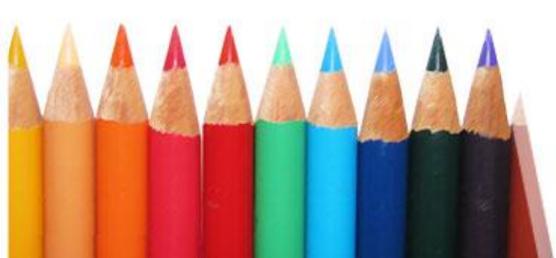
School-Based *Influenza Reporting*

Diana Martinez, MPH, PhD
Epidemiology Program Manager
Senior Epidemiologist
HCPHES

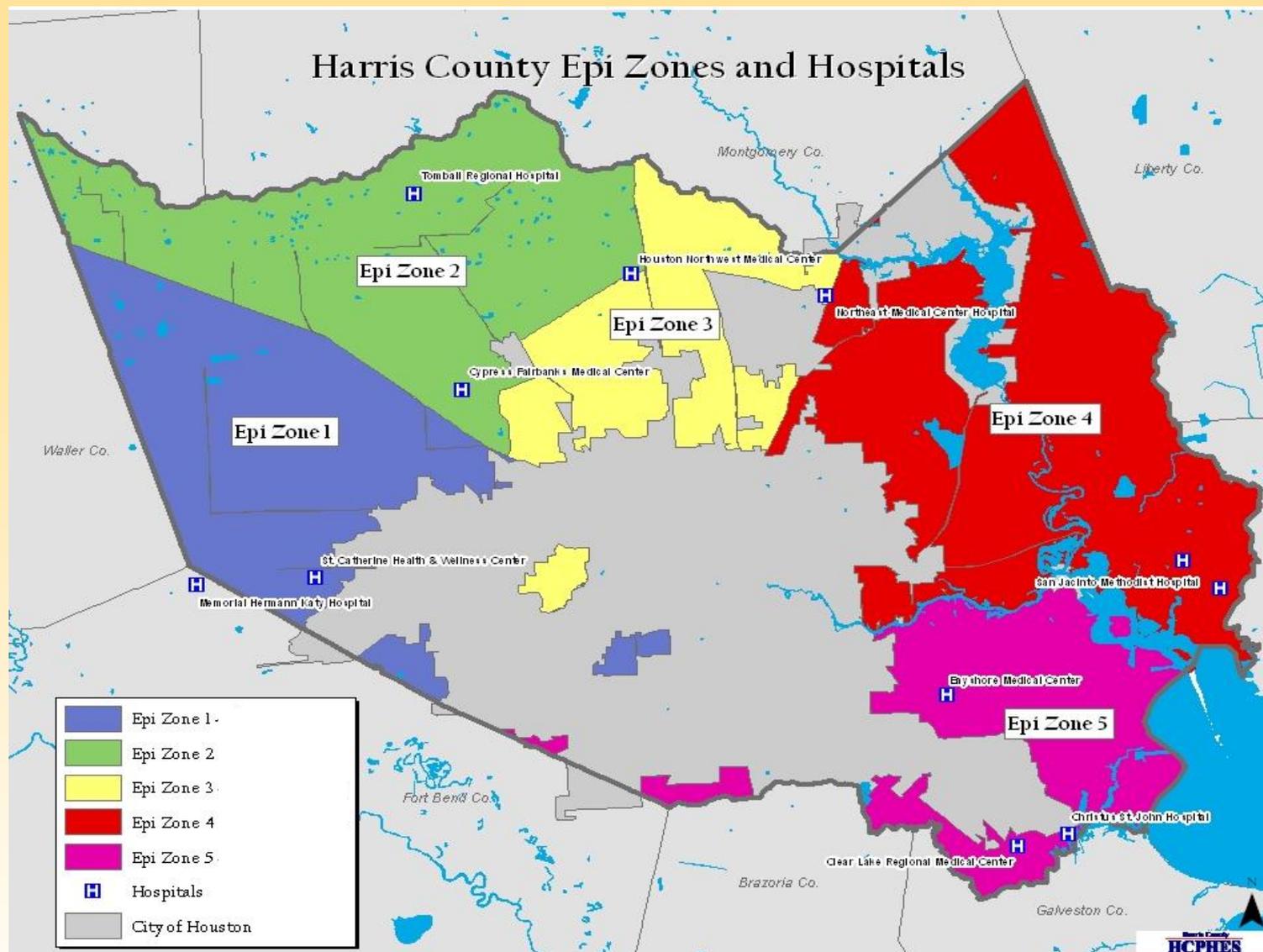


Background

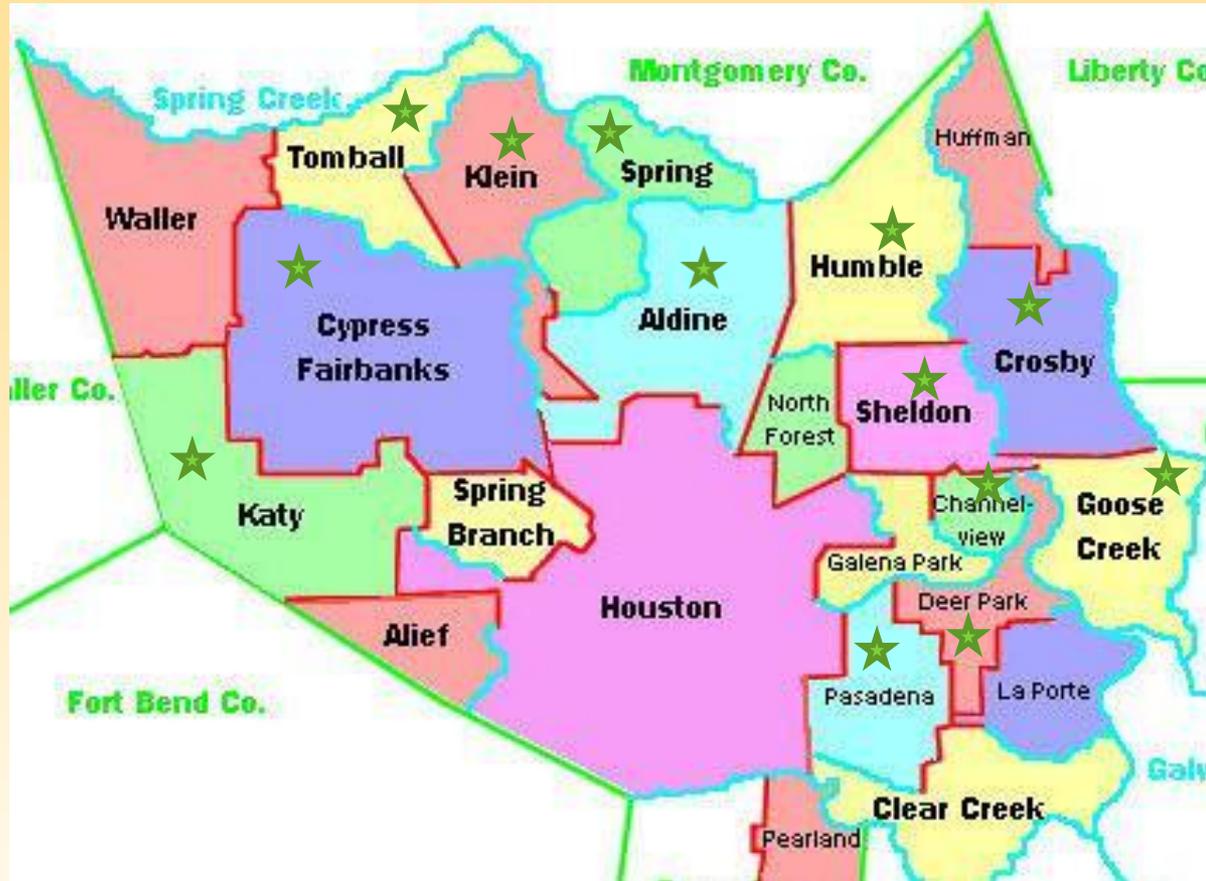
- Population of Harris County excluding Houston is about 2 M (total Harris County Population is about 4.1 M)
- 18 of the 22 Independent School Districts (ISDs) in Harris County are in HCPHES jurisdiction
- About 24% of the Harris County population is 14 or younger, with an additional 7% 15-19 years of age
- HCPHES has a strong long term relationship with school nurses.
- HCPHES relationship with ISDs was helpful at the time of Flu Portal implementation in 2009.



HCPHES disease surveillance jurisdiction

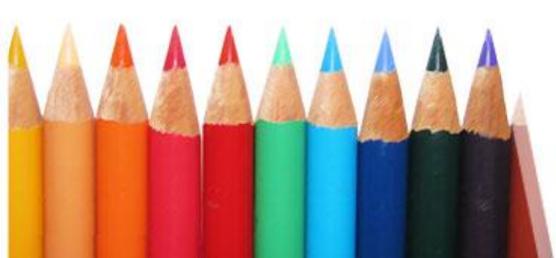


Houston Area Independent School District (ISDs)

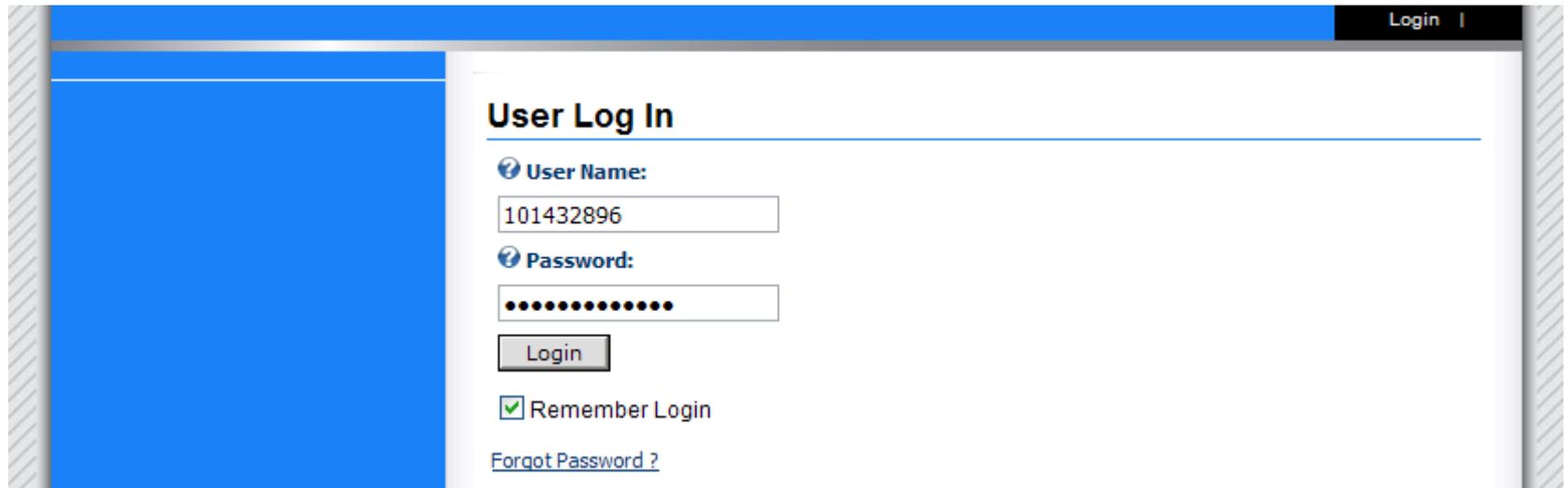


Background

- Implementation requires significant effort
 - Update forms and resource information
 - Set up accounts and distribute information to ISDs
 - Manage occasional system failures (system based or mostly user problems)
- Administration and ongoing management of user accounts
- Currently there are about 694 user accounts
- This Flu Season 13 of 18 ISDs are reporting routinely (last year 14) - we have received about 21,000 reports!
- Production and dissemination of Flu Reports weekly



The Flu Portal website can be reached by accessing <http://fluportal.hcphe.org>. Below is a picture of the Log In screen.



The screenshot shows a web browser window with a blue header bar containing the text "Login |". The main content area is titled "User Log In" and features a login form. The form includes a "User Name:" label with a blue circular icon, a text input field containing "101432896", a "Password:" label with a blue circular icon, a password input field with 12 black dots, a "Login" button, a "Remember Login" checkbox which is checked, and a "[Forgot Password ?](#)" link.

User Log In

User Name:
101432896

Password:
●●●●●●●●●●●●

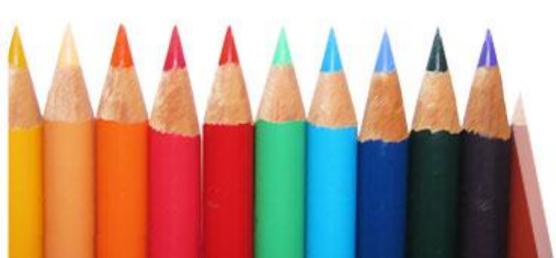
Login

Remember Login

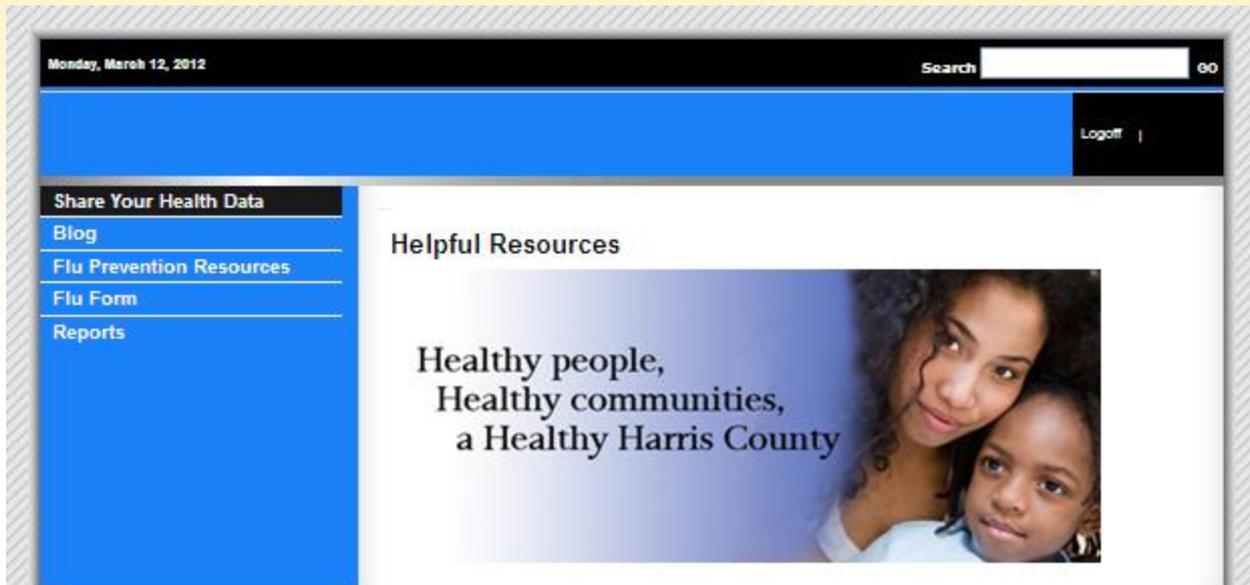
[Forgot Password ?](#)

Username and password

- Provide username and password to each School Health Coordinator.
- By using the username assigned to each school, information regarding the school is linked to the data entered. There is no need to enter additional information about the school, like school name, grade levels, phone number and street address. All that information is immediately available by using the specific username assigned to each school.
- The information can be entered by any computer in the school; however, the same **username and password** must be used to link the data entered with correct school.

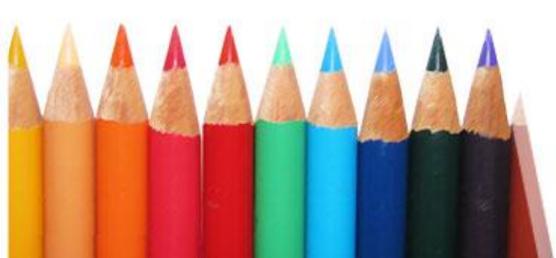


Select the Survey: Once school nurse enters username and password they see the screen below. The nurse selects Flu Form. This take them to survey.



Enter school daily information:

- Questions about school enrollment, total absenteeism, ILI in children and staff are asked and are entered for each school day, separately.
- Nurses enter the information available at the time of entry.
- ILI reports are collected from Monday to Friday. Reports received by the following Monday, are included in the previous week's final tally.



Blog

Flu Prevention Resources

About ESSENCE

Flu Form

Flu Form

For District Use Only

School

[Select an answer]

ILI is defined as a student or faculty member with temperature of 100 degrees Fahrenheit or greater, cough and/or sore throat. Other symptoms include: malaise, muscle aches, runny nose, chills, and/or headache.

School Information

Reporting Date Enrollment

9/5/11

1000

Students Present

820

Please provide daily absenteeism totals and your perception of flu activity:

Students Absent

180

Students Absent with ILI

23

Seen by nurse

14

Seen with ILI by nurse

U

Did your school close?

No

Was ILI the reason?

No

of students with ILI in your school is:

Not Changing

Additional Information

Total # of Faculty / Staff

90

Faculty absent

4

Faculty with ILI

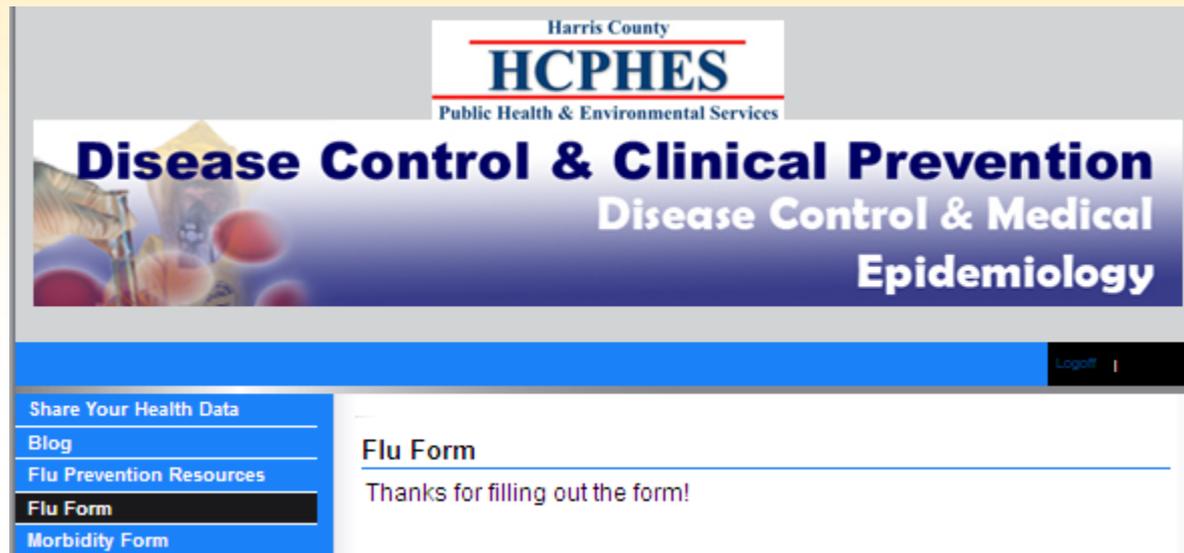
U

Please share any other findings or comments you may have:

[Text area for comments]

Submit form

Save Survey: When the nurse concludes entering the information and is satisfied that the information entered is accurate, they press the save survey button. Their information is stored. And the message below appears in the screen.

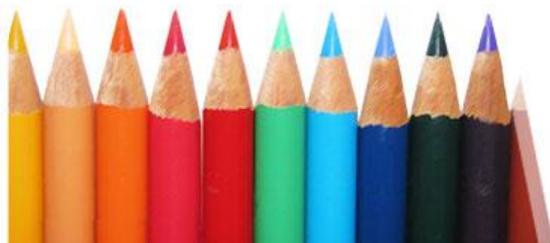


The screenshot displays the Harris County HCPHES website interface. At the top, the logo for Harris County HCPHES (Public Health & Environmental Services) is visible. Below the logo, the main header reads "Disease Control & Clinical Prevention" and "Disease Control & Medical Epidemiology". A navigation menu on the left includes links for "Share Your Health Data", "Blog", "Flu Prevention Resources", "Flu Form" (which is highlighted), and "Morbidity Form". On the right side of the page, a confirmation message is displayed: "Flu Form" followed by "Thanks for filling out the form!". A "Logout" link is also present in the top right corner of the page.



FLU PORTAL

REPORTS

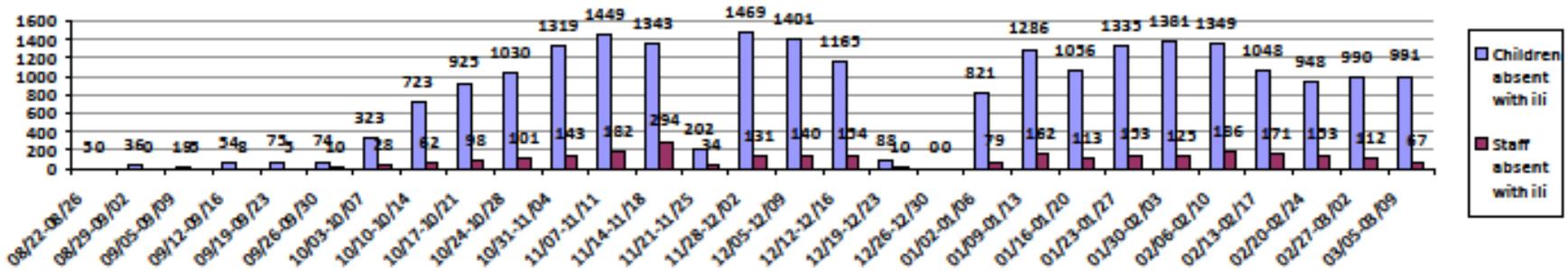


School-Based Weekly ILI Surveillance

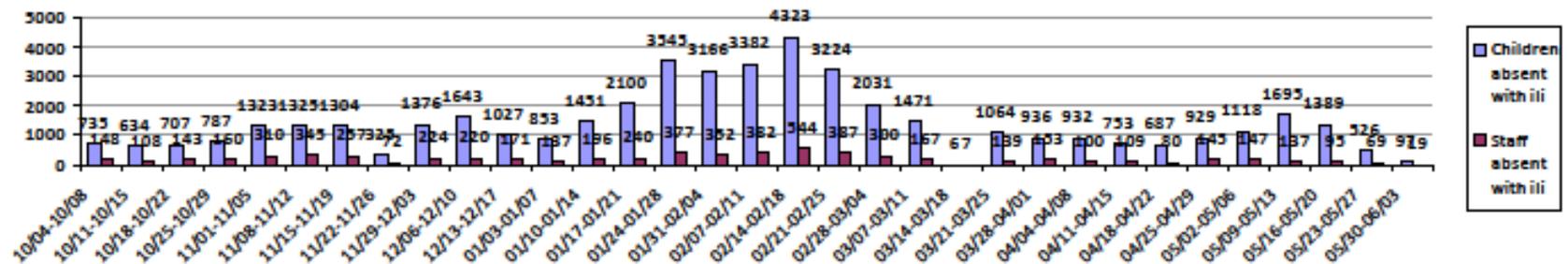
Children and Staff with ILI

Harris County excluding Houston, Flu Seasons 2010-12

Harris County Flu Season 2011-2012



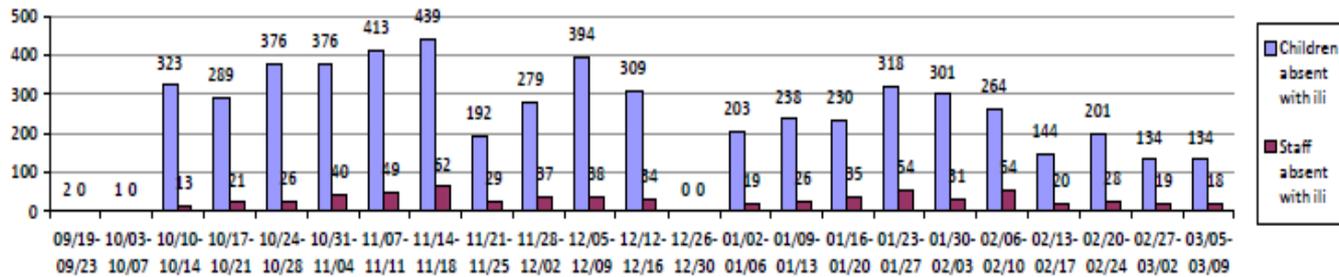
Harris County Flu Season 2010-2011



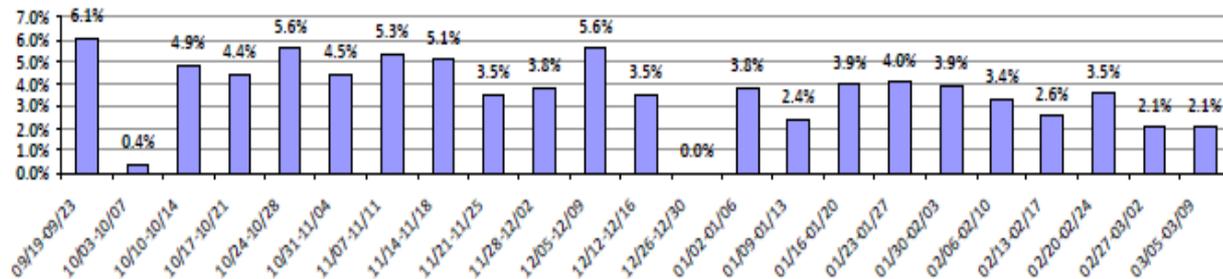
School-Based Weekly ILI Surveillance

Children and Staff with ILI

School District Specific Graphs

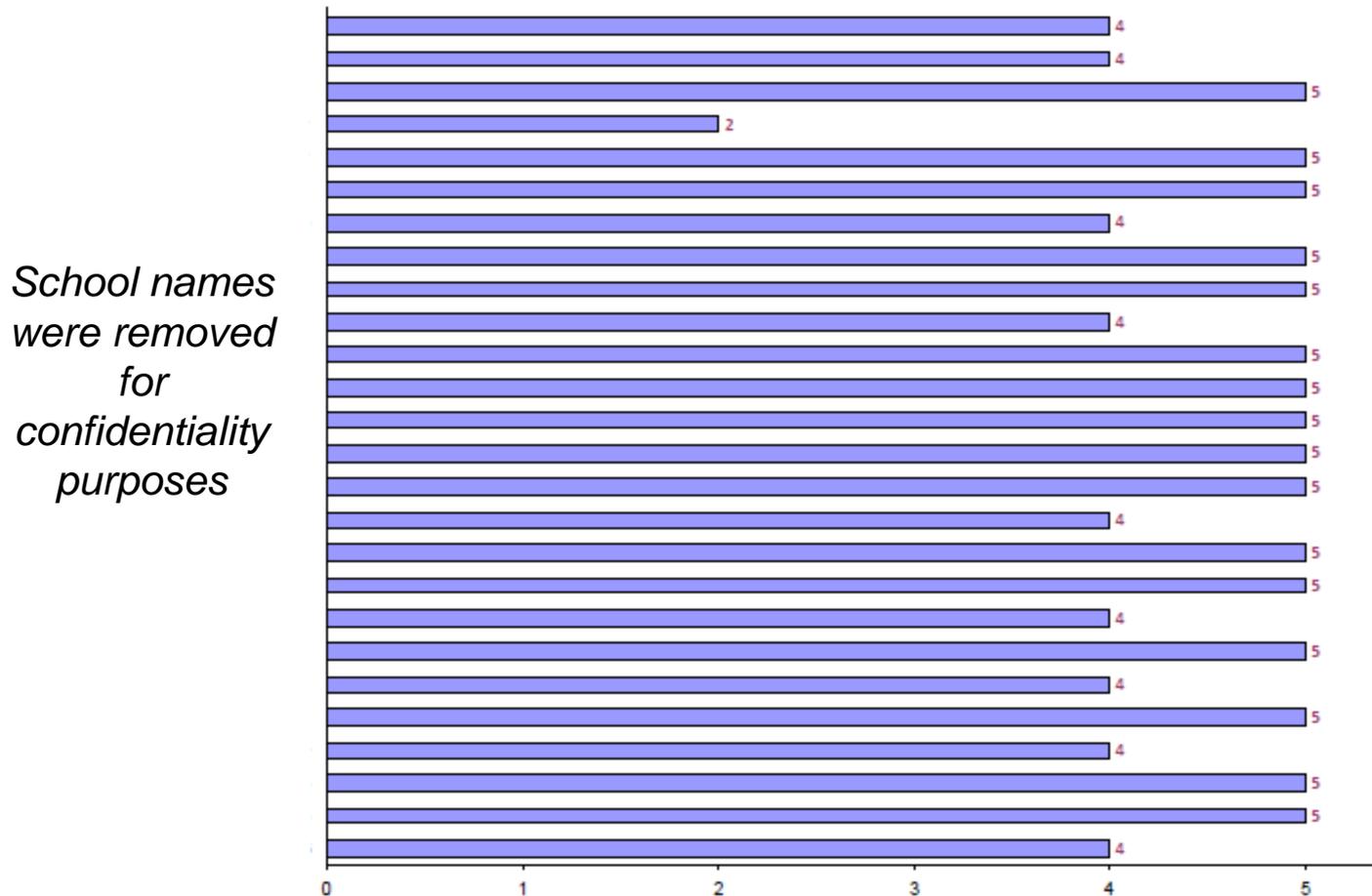


Percent of Children Absent due to ILI by Report Period



School-Based Weekly ILI Surveillance Reports Submitted by School this week

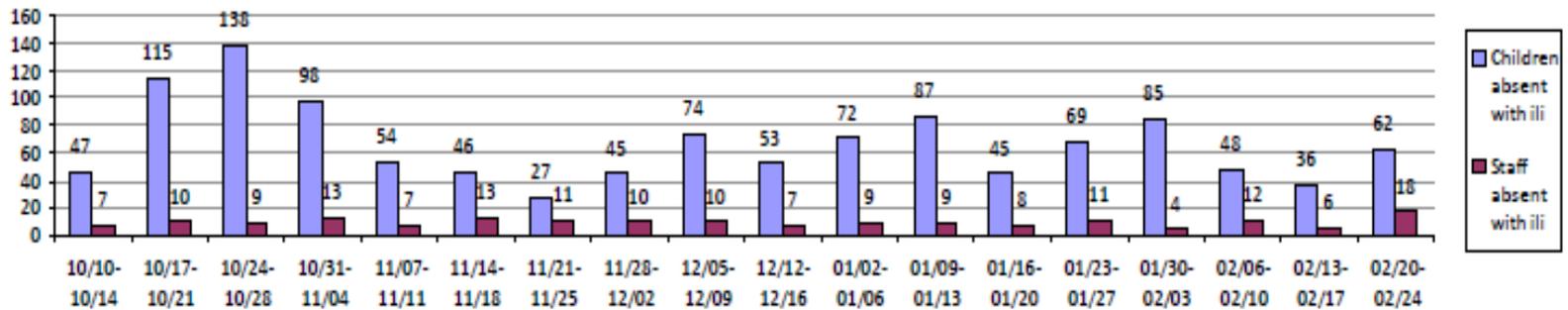
Number of Reports Submitted per School Between 3/4/2012 and 3/9/2012



School-Based Weekly ILI Surveillance

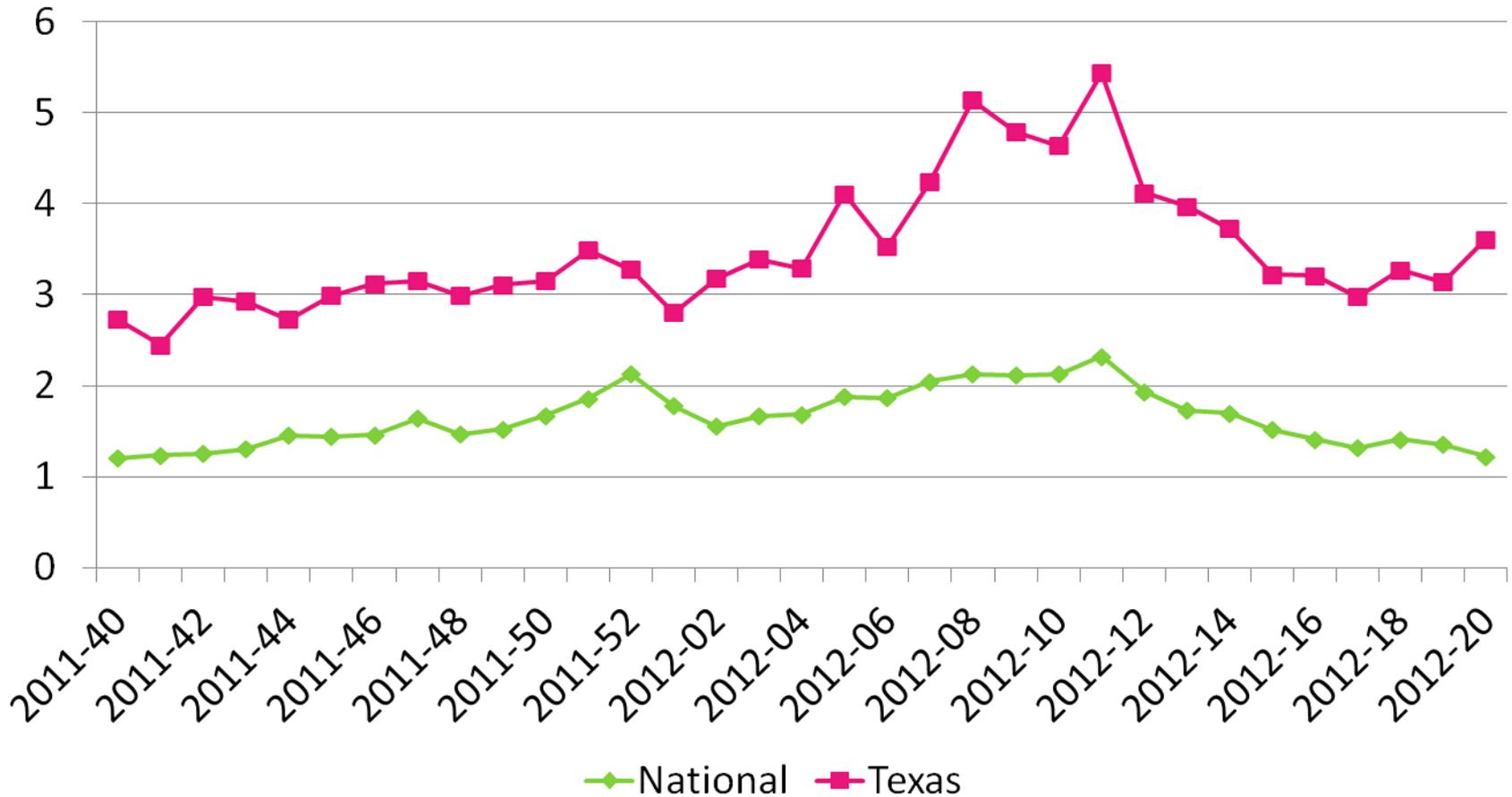
Children and Staff with ILI

School Specific Graph



National Influenza-Like Illness (ILI) 2011-2012 Flu Season

Percentage of U.S. Outpatient Visits for ILI (ILINet)



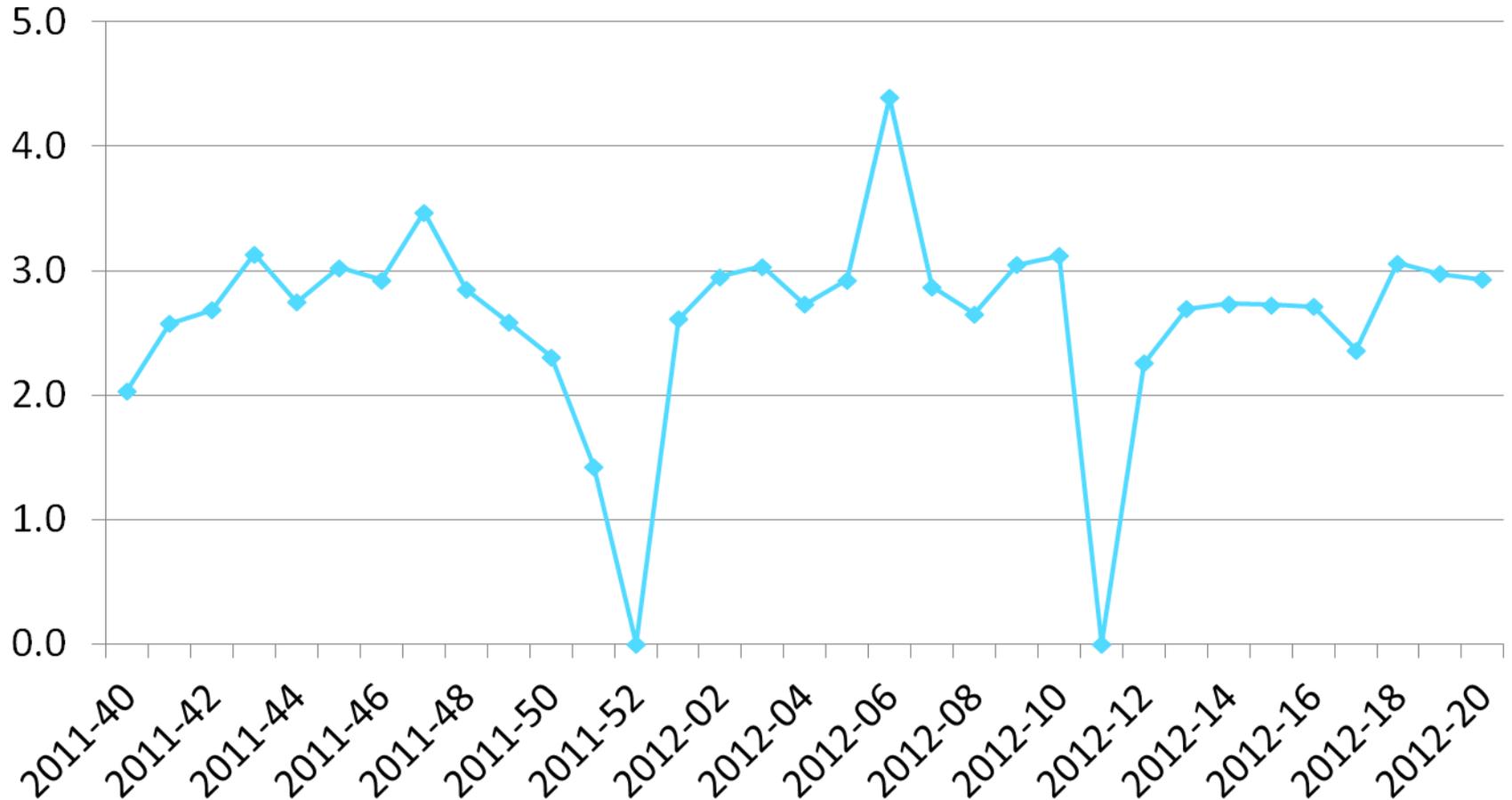
National ILI Data Source: <http://www.cdc.gov/flu/weekly/>

Texas ILI Data Source: <http://www.dshs.state.tx.us/idcu/disease/influenza/surveillance/20>

Harris County Influenza-Like Illness (ILI)

2011-2012 Flu Season

Percentage of School-Related Absences for ILI (FluPortal)

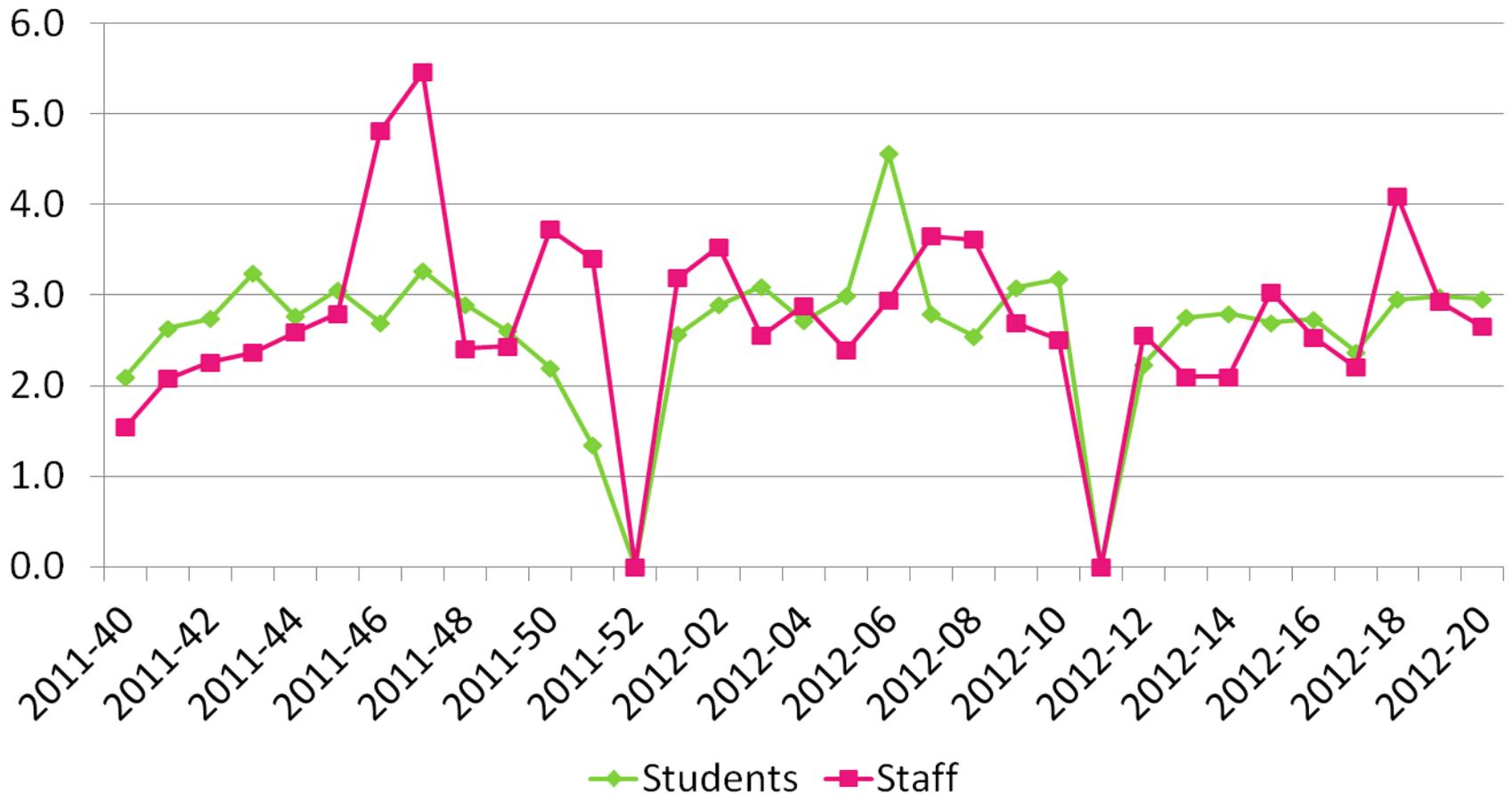


Week-long school holidays during weeks 52 and 11; no reports

Harris County Influenza-Like Illness (ILI)

2011-2012 Flu Season

School Absences for ILI in Students and Staff (FluPortal)

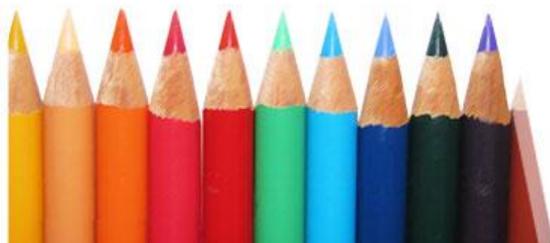


Week-long school holidays during weeks 52 and 11; no reports



FLU PORTAL

ENHANCEMENTS



Select the Survey: Once hospital ICP enters username and password, he(she) sees the screen below. The nurse selects Hospital ILI Form. This take them to survey.



Hospital ILI Form

Please complete the table below with the number of total residents with ILI, and any NEW ILI's in the past 24 hours for the entire hospital.

Influenza signs and symptoms have consisted of influenza-like illness – fever and respiratory tract illness (cough, sore throat, runny nose), headache, muscle aches – and some case have had vomiting and diarrhea.

If you have any questions or concerns, please call 713-438-8000 for the Epidemiologist on Duty or your assigned Epidemiologist.

Report Information

Hospital	Reporting Week
<input type="text" value="[Select an answer]"/>	<input type="text" value="[Select an answer]"/>

Total Count for the Week (Tested or with ILI symptoms)

Rapid A Test	Rapid B Test	Rapid Test, Undifferentiated (A/B)
<input type="text"/>	<input type="text"/>	<input type="text"/>

Total Positive for the Week

Rapid A Test	Rapid B Test	Rapid Test, Undifferentiated (A/B)
<input type="text"/>	<input type="text"/>	<input type="text"/>

Emergency Department and Admissions Data

Total ED visits for the Week (all causes)	Total Admissions for the Week (ILI/Flu +)	Total Admission for the Week (all cause)
<input type="text"/>	<input type="text"/>	<input type="text"/>

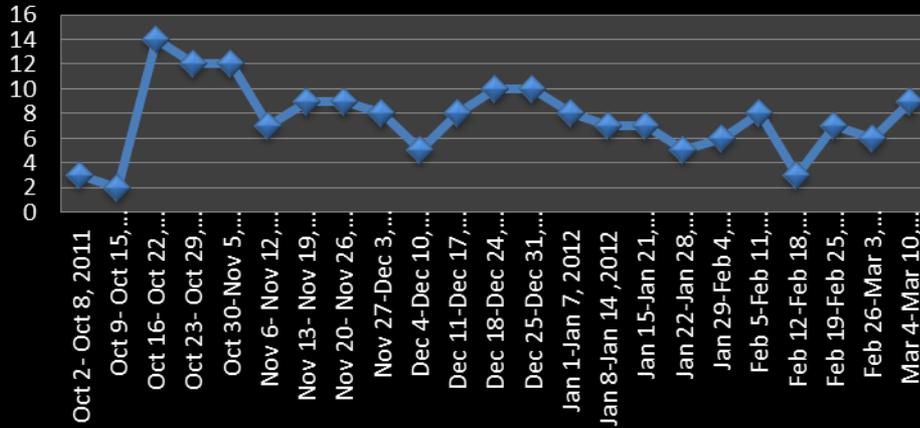
Suspected Influenza Cases: Please only list patients that meet the following criteria:

1. Influenza-associated deaths in pregnant or up to 8 weeks postpartum women
2. Influenza-associated pediatric mortality (18 years and younger only)

A positive rapid influenza test is considered confirmatory for pediatric flu deaths and flu-associated death in pregnant/postpartum women

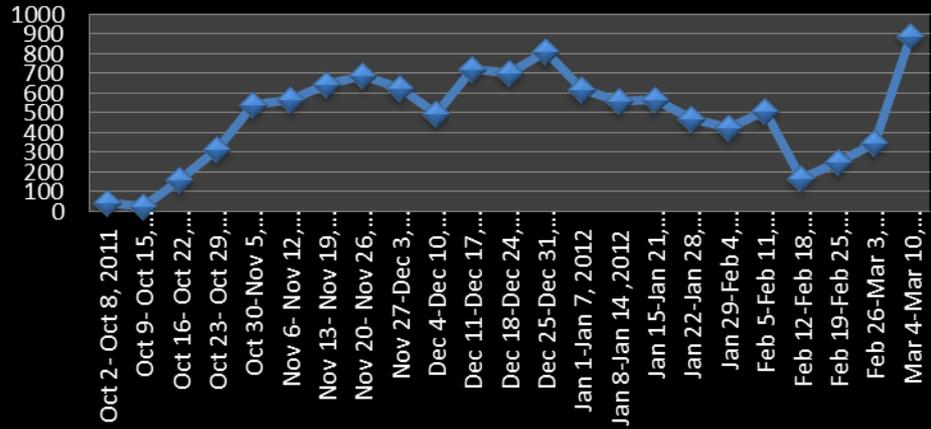
If a patient meets the above criteria, please print out and submit the corresponding form: [Pregnant/Postpartum Mortality](#) or [Pediatric Mortality](#)

Number of Hospitals Reporting Weekly ILI in Harris County TX excluding Houston



Flu Season 2011-2012

Number of ILIs Reported by Hospitals in HCPHES jurisdiction



Chickenpox Online Reporting Form

Name of Person Reporting Case

Reporter

Demographics

First Name

Last Name

Date of Birth

Age

Sex

Address

City

Zip Code

Home Phone

Race

Ethnicity

Illness Information

Date of Rash Onset

Vaccinated Against Varicella

Number of Doses

Date Dose 1

Date Dose 2

Supplemental Information

What Was the Last Day the Child Was In School

Who Diagnosed Chicken Pox

Phone Number of Person Diagnosing Chicken Pox

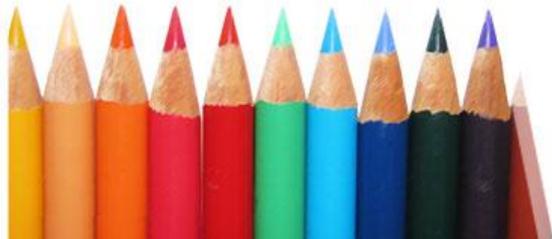
Additional Comments

Submit form



FLU PORTAL

PROJECT UNDER CONSTRUCTION



Morbidity Form

Visible By Administrators Only

Agency

Agency*

[Select an answer] ▼

Patient Demographic Data

Last Name*

First Name*

Middle Initial

Address*

City*

State*

Zip*

Phone

Primary Language

[Select an answer] ▼

DOB* (if unknown, put 01/01/1800)

Age

Sex*

[Select an answer] ▼

Race

[Select an answer] ▼

Ethnicity

[Select an answer] ▼

Social Security Number

Employment Status

Occupation

Work Place

School

School Phone

Day Care Center

Day Care Phone

Parent/Contact

Contact Phone

Relationship to Patient

[Select an answer] ▼

Disease Data

Date of Onset

Reportable Condition*

[Select an answer] ▼

Species/Serotype

Disease Data Details

Specimen Source 1

Collection Date

1

Test 1

Result 1

Specimen Source 2

Collection Date

2

Test 2

Result 2

Specimen Source 3

Collection Date

3

Test 3

Result 3

Details Continued

Symptoms

Admission Diagnosis

Discharge Diagnosis (if available)

Morbidity Form

Visible By Administrators Only

Hospital or Clinic Data

Clinician* (include credentials)

Phone/Fax#

ER/Outpatient

[Select an answer] ▼

Admission

[Select an answer] ▼

Hospital

[Select an answer] ▼

Medical Record Number

Admission Date

Discharge Date

Office/Clinic Visit

[Select an answer] ▼

Clinic Name

Hospital Transferred To/From

Transfer Date

Fatal

[Select an answer] ▼

Expired Date

Comments/Patient History/Risk Factors

(Do NOT fax HIV/AIDS related patient information)

All STDs (gonorrhea, syphilis, chancroid, laboratory confirmed chlamydia trachomatis, and AID 8/HIV) should be reported to:

- * STD Control, Houston Department of Health and Human Services (HDHH 8), 3000 North Stadium Dr., 77064, Phone: (832) 393-6000

Tuberculosis should be reported based on residence of case to:

- * Houston residents - HDHH 8, 8280 West Park #200, 77067, Phone (713) 278-8882, Fax: (713) 632-6342
- * Harris County residents (outside Houston) - HCPHE 8, 2223 West Loop S., 77027, Attention: TB Program, Phone (713) 438-8214, Fax: (713) 438-8371