

Novel 2009 A(H1N1) Influenza

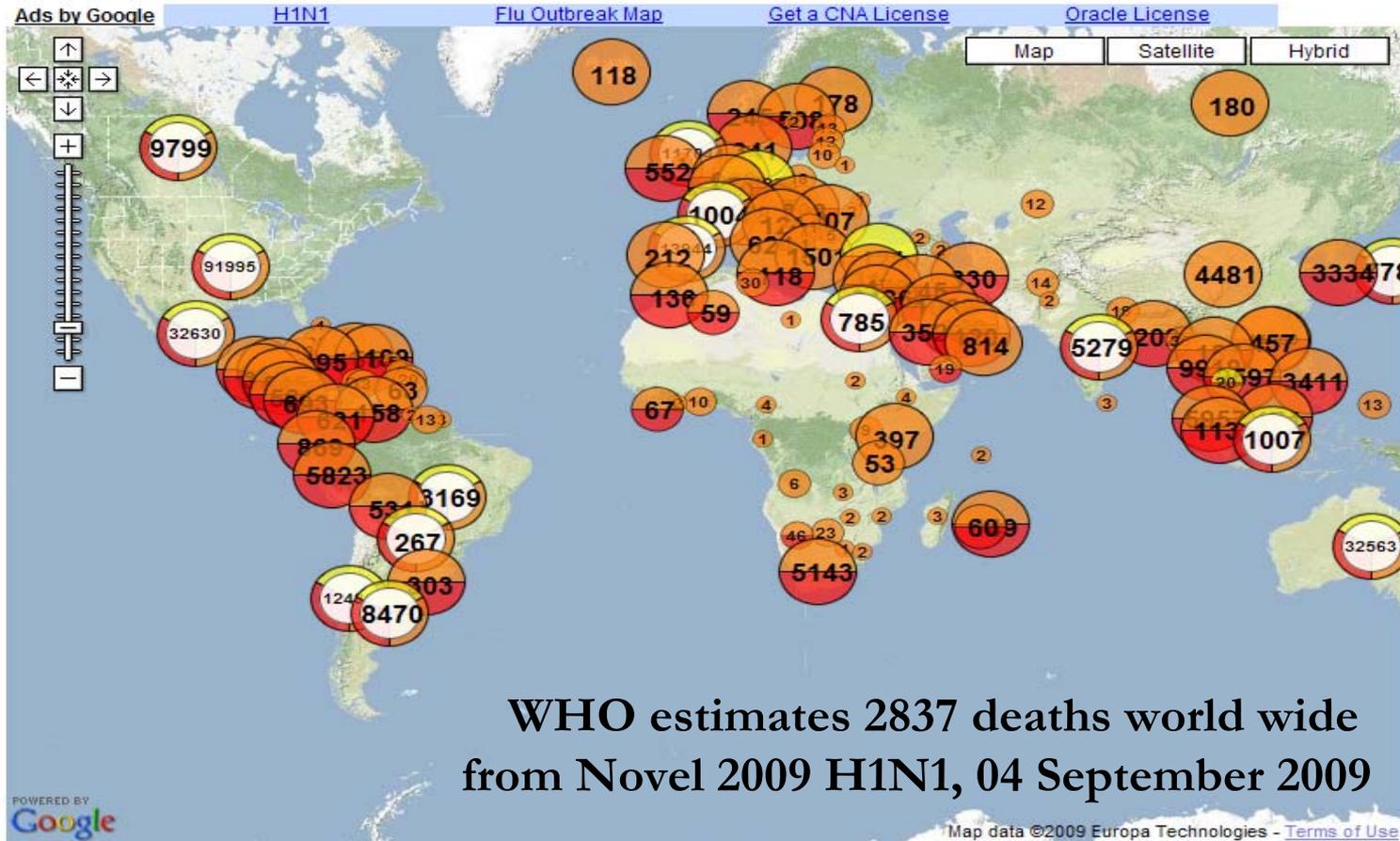
- **Virus - new subtype of A/H1N1** -- not previously detected
- CDC determines: virus spreading from human to human
 - \$1.5 billion provided to fight H1N1
- **Virus - gene segments from 4 different influenza types:**
 - North American swine, North American avian, North American human and Eurasian swine
- **Symptoms: Fever greater than 100F & cough or sore throat with no other known cause.**
 - Other symptoms include body aches, headaches, chills, & fatigue.
 - Some may also report runny nose, nausea, vomiting & diarrhea.

Novel 2009 A(H1N1) Influenza

- Confirmed cases, before August 1, 2009 – 101
 - Since August 1st and onward, 66 reported cases of flu and ILI (reported by doctors involved in flu surveillance)
 - No deaths reported in Collin County
- *Flu is not a reportable condition, it is reviewed due to the potential for outbreaks and the need to provide public health guidance*

Cases/ Deaths of Novel Influenza A(H1N1), 08 September

FluTracker map data current as of 12:33 EDT 08 Sep



Source: flutracker.rhizalabs.com

- | | | | |
|-----------------------------|--------------------------|------------------------------------|---|
| Suspected Cases (9029) | Confirmed Cases (432380) | Fatal Cases (3189) | <i>Circle size relative to number of cases. Zoom for more detail.</i> |
| Suspected & Confirmed Cases | Suspected & Fatal Cases | Confirmed & Fatal Cases | |
| | | Suspected, Confirmed & Fatal Cases | |
| | | | |

Federal & State Responses: Guidance for schools

- [Guidance on Helping Child Care & Early Childhood Programs Respond to Flu during 2009–2010 Flu Season](#) (Sep 4 – CDC)
- [Guidance for Institutions of Higher Education for 2009-2010 Academic Year](#) (Aug 26 – CDC)
- [Returning to Work or School – Guidance for Adults and Children with Seasonal or Novel H1N1 Influenza](#) (rev. 8/21/09 - DSHS)
- **CDC Guidance for State and Local Public Health Officials and School Administrators for School (K-12) Responses to Influenza during the 2009-2010 School Year.** (Aug 7 – CDC)
<http://www.cdc.gov/h1n1flu/school/schoolguidance.htm>.
- **CDC Guidance for State and Local Public Health Officials and School Administrators for School (K-12).** Responses to Influenza during the 2009-2010 School Year *with Texas Specific Notes from DSHS* Supports following CDC Guidance. (8/14 – DSHS) <http://www.dshs.state.tx.us/swineflu/Guidance-SchoolResponses.shtm>
- **Preparing for the Flu: A Communication Toolkit for School (Grades K-12).**
<http://www.flu.gov/plan/school/toolkit.html>
- [DSHS Influenza-like Illness Camp Guidelines](#) (rev. 8/09-CDC)
- **HHS News Release. 7 August 2009. Updated Federal Guidelines for 2009 H1N1 Influenza in Schools Offer Many Options.** <http://www.hhs.gov/news/2009/press/08/20090807a.html>

Federal & State Responses: Guidance for schools for 2009-2010 School Year

- **Stay home when sick:**

Those with flu-like illness should stay home for at least 24 hours after they no longer have a fever, or signs of a fever, without the use of fever-reducing medicines, and even if using antiviral drugs.

- **Separate ill students and staff:**

Students and staff who appear to have flu-like illness should be sent to a room separate from others until sent home. CDC recommends that they wear a surgical mask, if possible, and that those who care for ill students and staff wear protective gear such as a mask.

- **Hand hygiene and respiratory etiquette:**

The new recommendations emphasize the importance of the basic foundations of influenza prevention: stay home when sick, wash hands frequently with soap and water when possible, and cover noses and mouths with a tissue when coughing or sneezing (or a shirt sleeve or elbow if no tissue is available).

- **Routine cleaning:**

School staff should routinely clean areas that students and staff touch often with the cleaners they typically use. Special cleaning with bleach and other non-detergent-based cleaners is not necessary.

- **Early treatment of high-risk students and staff:**

People at high risk for influenza complications who become ill with influenza-like illness should speak with their health care provider as soon as possible. Early treatment with antiviral medications is very important for people at high risk because it can prevent hospitalizations and deaths. People at high risk include those who are pregnant, have asthma or diabetes, have compromised immune systems, or have neuromuscular diseases.

- **Schools should ONLY close if a school is NOT able to conduct its day-to-day functions or if the H1N1 virus develops into a more deadly form.**

Key CDC Guideline regarding school closure for 2009-2010 School Season

“The decision to dismiss students should be made locally and should balance the goal of reducing the number of people who became seriously ill or die from influenza with the goal of minimizing social disruption and safety risks to children sometimes associated with school dismissal.

Based on the experience and knowledge gained in jurisdictions that had large outbreaks in Spring 2009, the potential benefits of preemptively dismissing students from school are often outweighed by negative consequences, including students being left home alone, health workers missing shifts when they must stay home with their children, students missing meals, and interruptions of students’ education.”

What should I do to Stay Healthy?

Covering nose and mouth with a tissue when coughing or sneezing

- Dispose the tissue in the trash after use.

Hand washing with soap and water

- Especially after coughing or sneezing.

Cleaning hands with alcohol-based hand cleansers

Avoiding close contact with sick people

Avoiding touching eyes, nose or mouth with unwashed hands

If sick with influenza-like illness, stay home from work or school and limit contact with others until 24 hours after fever subsides

Get seasonal flu vaccine now and 2009 H1N1 when it comes out !

Collin County Responses

- **Educate community residents and stakeholders**
 - Met with ISD Administrators and nurses week of Aug. 17, 2009
 - Currently coordinating H1N1 presentations at PTA meetings
- **Distribute CDC Guidance to stakeholders**
- **Develop Contingency plans**
 - For mass H1N1 vaccinations, if needed (PHER)
 - For potential medical surge needs at County Health Department facility
 - For upsurge of generalized questions from public via a H1N1 Phone Bank

Collin County Planning

- **Capability Gap Analysis**
- **Mass Vaccination Plan includes**
 - **New planning assumptions**
 - **Increase Vaccination Capabilities**
 - Partnerships with non-profits and cities
 - Contracts in place with private sector resources
 - **Vaccine Logistics, Cold Chain Storage, PPE, Volunteer Recruitment**
 - **Specimen Depots in Place (Not Anticipated)**
 - Hospitals and doctors offices - serve as central repositories for specimen collection
 - 7 locations identified
- **Communications**
 - **Public Information (Media) and Education/Outreach**
 - **Web Page**
 - **Call Center for Medical Providers and Residents**

Collin County Coordination

Schools

- In-Service meetings: week of August 17: 4 major districts-Plano, McKinney, Wylie & Allen
- Flu Surveillance, CDC Guidance & other information distributed via email
- Joint Meeting Friday August 21, 20: City Emergency Managers, Public Information Officers & School Nurse Coordinators
- Consultations & Meetings regarding swine flu by epidemiology, April through August, 2009

Major Cities

- Building on past relationships – Hurricanes Katrina, Rita, Gustav, Ike & H1N1
- Joint Meeting, August 21st: ISD's & Public Information Officers
- Collaboration on potential vaccination partnerships

Collin County Coordination

Hospitals, Nursing Homes/Assisted Living Facilities, Providers

- Meetings in April & June 2009: Nursing Homes & Assisted Living Directors providing Pandemic Flu Planning Guidance
- CDC Guidance & other information through email distribution lists
- Consultations regarding swine flu by epidemiology, April through August, 2009
- Monthly Hospital meetings: next meeting Sept.15, 2009
- Information systems (WebEOC and E-Team through Fusion System)

Private Schools, Daycares, etc.

- Flu Surveillance, Guidance & other information through email distribution lists
- Follow-up flu planning meetings with Administrators
- Consultations & Meetings regarding swine flu by epidemiology, April through August, 2009
- Collaboration on potential vaccination partnerships

Existing Vaccine Providers

- **Providers receive direct shipment of vaccine at no cost**
 - hospitals, doctors, pharmacies, & clinics
- **Key points**
 - **Providers may charge an administration fee.**
 - **This is expected to meet the demand for the novel H1N1 vaccine, just as with the seasonal flu.**
- **If demand is higher, contingency plans are in place**

Public Health Emergency Response Grant (PHER)

- **Received notice of grant funding on August 14th**
 - Grant application due August 21st
 - Grant performance period: 15 September 2009 thru 31 July 2010
- **Grant provides Collin County - \$707,309**
- **Primary focus of grant is to increase capacity to vaccinate priority groups identified by CDC MMWR, Aug 21, 2009**
 - Pregnant women
 - Household contacts of those < 6 months old
 - Health care and emergency medical personnel
 - People 6 months to 24 years old
 - Individuals ages 25 - 64 with chronic health conditions

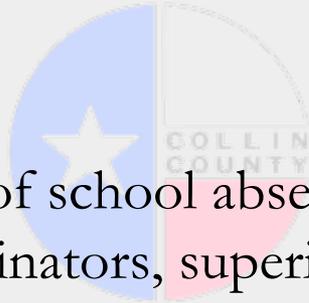
H1N1 Flu Vaccine

- Will be available mid-October
- Will require 1-2 shots, 3-4 weeks apart
- Currently undergoing clinical trials
- Will be provided free of charge by CDC
- Adult seasonal flu vaccine available 9/8/09. Child seasonal flu vaccine – hopefully available mid-September

**This information changes frequently based on CDC guidance*

Flu Surveillance System

- Will reside in the Fusion System
- Will provide easy access to guidance materials and information on flu and other diseases
- Will allow easy calculations of school absenteeism on a daily basis district-wide for school nurse coordinators, superintendents, and public health epidemiology
- Will enhance surveillance and situational awareness
- Will monitor absenteeism against baselines and provide alerts



Flu Surveillance System

Share Your School's Health Data

School	<input type="text" value="Boswell High School"/>	Enrollment	<input type="text" value="1784"/>
Reporting date (month-day-year)	<input type="text" value="12-19-2008"/>		
Please provide daily absenteeism totals and your perception of flu activity:			
Absent	<input type="text"/>	Absent with ILI	<input type="text"/>
Seen by nurse	<input type="text"/>	Seen with ILI by nurse	<input type="text"/>
The number of students in your school with ILI is:		<input type="radio"/> Increasing	
		<input type="radio"/> Decreasing	
		<input type="radio"/> Not changing	
Did your school close?	<input type="radio"/> Yes <input type="radio"/> No	Was flu the reason?	<input type="radio"/> Yes <input type="radio"/> No
Faculty absent	<input type="text"/>	Faculty with ILI	<input type="text"/>
Please share any other findings or comments you may have:	<input type="text"/>		
<i>ILI is defined as</i> a student or faculty member with temperature of 100 degrees or greater, cough and/or sore throat. Other symptoms include: malaise, muscle aches, runny nose, chills, and/or headache			
Submit			

Users can complete this form in five minutes or less. Some fields are auto-filled based on user reg. data.

CDC definition of ILI.

Surveillance Reporting Form for School Nurses

All Fields are Required.

District/Level/School Name *

- ▶ Allen
- ▶ Anna
- ▶ Bland
- ▶ Blue Ridge
- ▶ Celeste
- ▶ Celina
- ▶ Community

2008-2009 School Population *

Person Reporting: Name *

Title *

Email Address *

Telephone *

Report Starting Date *

Please Report the Following *

Weekday	Total Absent	Number Absent Due to Influenza-like Illness Activity	School Closure Due to Influenza-like Illness Activity
Monday	0	0	N
Tuesday	0	0	N
Wednesday	0	0	N
Thursday	0	0	N
Friday	0	0	N

Print

Submit

Close

Flu activity is defined as:

- Influenza-like illness activity (ILI): ILI is defined as fever over 100 degrees Fahrenheit and cough and/or sore throat. (Can be assessed using a variety of sources including sentinel providers, school/workplace absenteeism, and other syndromic surveillance systems that monitor ILI). And/or,
- Lab confirmed case: Flu case confirmed by rapid test, culture, antigen detection, or PCR. And/or,
- Institutional outbreak: A lab confirmed outbreak in a nursing home, hospital, prison, schools, etc.

If you need assistance, please contact Brittany at 972-548-5596. Thank you!

Questions?



Have you & your family received the seasonal influenza vaccine?