



# SWINE H1N1 INFLUENZA

## SITUATION REPORT

APRIL, 30, 2009

## WORLD SITUATION

- WHO (World Health Organization) has raised the pandemic alert level to 5, indicating human to human spread of the virus into two or more countries in one WHO region
- Confirmed 246 infections in 13 countries.
- Confirmed 9 deaths (1 in the United States, 8 in Mexico)
- 3872 probable cases in 39 countries. A probable case is defined as testing positive for influenza A by RT-PCR, but negative for common human influenza A strains by RT-PCR. A confirmed case is defined as positive by RT-PCR for Swine Influenza A, or by viral culture.



## MISSOURI

- One probable case in Platte County. The specimen is being sent to CDC (Centers for Disease Control) in Atlanta for confirmation.
- Activation of distribution of State and National antiviral stockpiles.
- Increased surveillance to quickly detect presence, and respond appropriately

## CLINTON COUNTY

- No known cases at this time.
- Both passive and active surveillance increased at medical providers, and community gathering places (schools, child care centers, etc)
- Preparations being made for distribution of antiviral medications if deemed necessary.

## 2009 H1N1 FACTS

### HISTORY

- First detected in March 2009 in three regions of Mexico by Mexican public health surveillance. At the time, it was assumed to be a late-season Influenza B outbreak. This is a common, and expected occurrence.
- Clinically identified as a new strain on April 24, 2009
- By April 28, 2009, cases were confirmed in the United States, Europe, the Middle East, and New Zealand.

## SEASONAL HUMAN INFLUENZA

- Infects between 5% (15.4 Million) and 20% (60.8 Million) of the population of the United States annually.
- In an average year hospitalizes 200,000 Americans.
- In an average year causes 36,000 deaths in the United States.

## TERMINOLOGY

- 2009 H1N1 – Influenza A virus first isolated in April, 2009. This virus is novel, meaning it has never been seen or identified before. It contains genetic sequences previously isolated from 4 different influenza strains. Those strains include Human influenza A, Swine Influenza A, and Avian Influenza.
- SNS – Strategic National Stockpile. A stockpile of various drugs and protective equipment to be used in the event of a pandemic illness, or bio-terror event.
- POD – Point of distribution. A specified location where SNS drugs are to be distributed.
- RT-PCR – Reverse Transcription Polymerase Chain Reaction – A rapid indicating biological test which reacts with specific DNA sequences in a specimen.
- DSR / CERT – Department Situation Room / Center for Emergency Response and Terrorism. Missouri Department of Health and Senior Services 24/7 Emergency response center.

## TERMINOLOGY CONT.

- LPHA – Local Public Health Agency. The LPHA in Clinton County is the Clinton County Health Department.
- PPE – Personal Protective Equipment.

## CURRENT ADVICE

- Promote good hygienic and disease prevention habits.
- Encourage people who are ill to stay home until well.
- Advise anyone who feels they may have contracted H1N1 to **call** their primary physician.
- Continue to monitor the situation, as it is evolving rapidly.

### What You Can Do to Stay Healthy

There are everyday actions people can take to stay healthy.

- ✓ Cover your nose and mouth with a tissue when you cough or sneeze. Throw the tissue in the trash after you use it.
- ✓ Wash your hands often with soap and water, especially after you cough or sneeze. Alcohol-based hands cleaners are also effective.
- ✓ Avoid touching your eyes, nose or mouth. Germs spread that way.

Try to avoid close contact with sick people.

- ✓ Influenza is thought to spread mainly person-to-person through coughing or sneezing of infected people.
- ✓ If you get sick, CDC recommends that you stay home from work or school and limit contact with others to keep from infecting them.

# INFORMATION SOURCES

- [www.clintoncountyhealthdepartment.com](http://www.clintoncountyhealthdepartment.com)
  - Links to State and Federal information
  - Local information is kept current
  - Best source of current information
  - Links to information for Medical, EMS, Law Enforcement, and Educational Agencies.
- [http://www.dhss.mo.gov/BT\\_Response/SwineFlu09.html](http://www.dhss.mo.gov/BT_Response/SwineFlu09.html)
  - DHSS Swine Flu information page
- <http://www.cdc.gov/swineflu>
  - CDC Swine Flu Page
- <http://www.who.int/csr/disease/swineflu/en/index.html>
  - WHO Swine Flu Page