



## Weekly Influenza Report Week 18 (05/03/09-05/09/09)

### National Synopsis: Seasonal Influenza

During week 17 (April 26 - May 2, 2009), influenza activity increased in the United States.

- One thousand eight hundred ninety-two (13.2%) specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories and reported to CDC/Influenza Division were positive for influenza.
- The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- No influenza-associated pediatric deaths were reported
- The proportion of outpatient visits for influenza-like illness (ILI) was 2.6% which is above the national baseline.
- Seven states reported widespread activity, 12 states reported regional activity, the District of Columbia and 14 states reported local influenza activity; and Puerto Rico and 17 states reported sporadic influenza activity.

### H1N1 Flu (Swine Flu)

In response to an intensifying outbreak in the United States and internationally caused by a new influenza virus of swine origin, the World Health Organization raised the worldwide pandemic alert level to [Phase 5](#) on April 29, 2009. A Phase 5 alert is a “strong signal that a pandemic is imminent and that the time to finalize the organization, communication, and implementation of the planned mitigation measures is short.”

The United States Government has declared a public health emergency in the United States. CDC's response goals are to reduce transmission and illness severity, and provide information to help health care providers, public health officials and the public address the challenges posed by this emergency. CDC is issuing and updating [interim guidance](#) daily in response to the rapidly evolving situation. CDC's Division of the Strategic National Stockpile (SNS) continues to send antiviral drugs, personal protective equipment, and respiratory protection devices to all 50 states and U.S. territories to help them respond to the outbreak. The swine influenza A (H1N1) virus is susceptible to the prescription [antiviral drugs](#) oseltamivir and zanamivir. In addition, the Federal Government and manufacturers have begun the process of developing a vaccine against this new virus.

The latest numbers posted by CDC are 4298 confirmed cases and three deaths.

For more information on H1N1 Flu (Swine Flu), go to <http://www.cdc.gov/h1n1flu/>.

### Delaware cases of H1N1 (Swine Flu)

Delaware has 55 confirmed cases of H1N1 (Swine Flu), 50 are from New Castle County, one is from Kent County and four are from Sussex County. Of the 55 confirmed cases, 25 have been epi-linked to the University of Delaware. In addition, there are three probable cases all from New Castle County. Individual interviews of cases have been discontinued. A line list will remain in effect to report cases to CDC.

## Delaware Influenza Surveillance:

### **Total Laboratory Confirmed Cases of Seasonal Influenza: 734**

Influenza A: 445  
Influenza B: 287  
Influenza A&B: 2

#### **Counties:**

- **New Castle – 326**
- **Kent – 245**
- **Sussex – 163**

**Age Range:** 13 days – 94 years

**Deaths:** 1 reported in week 13

**Total Unconfirmed Cases:** 119

### **Total Laboratory Confirmed Cases of H1N1 (Swine flu): 55**

#### **Counties:**

- **New Castle – 50**
- **Kent – 1**
- **Sussex – 4**

**Age Range:** 20 months to 32 years

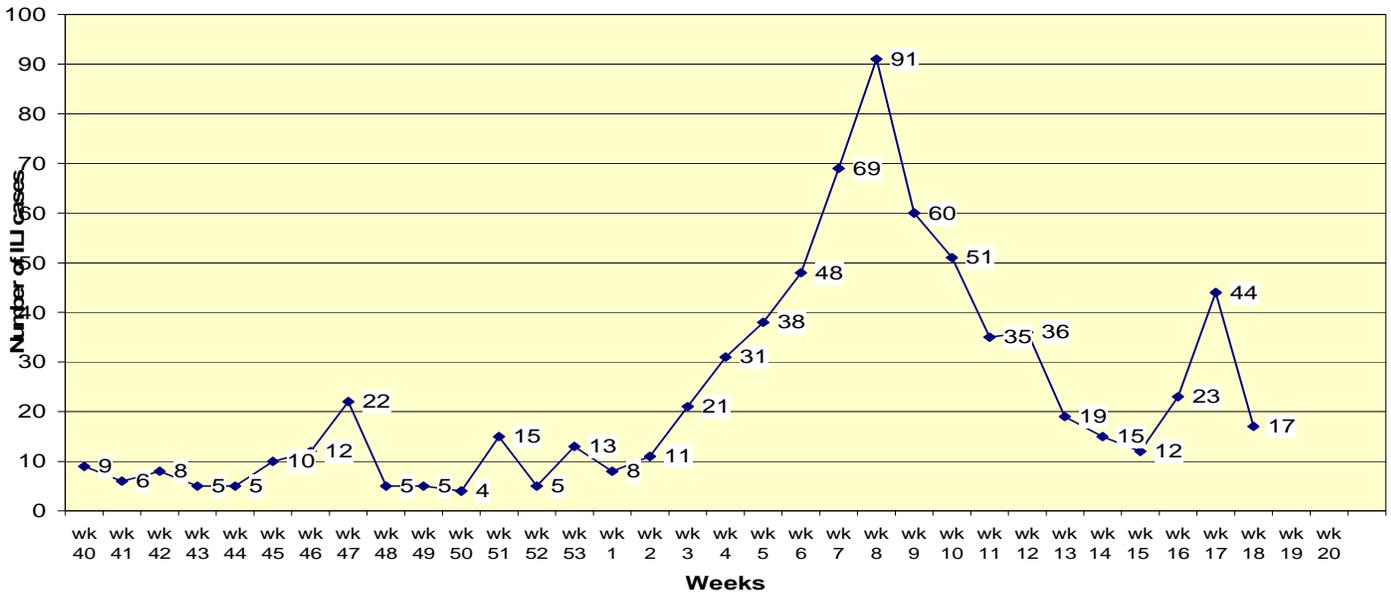
**Deaths:** 0

**Total Probable Cases of H1N1 (Swine flu): 3 (all New Castle County residents)**

**Influenza Activity for Week 18: Widespread**

- ➔ **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- ➔ **Sporadic:** Small numbers or isolated cases of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- ➔ **Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- ➔ **Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least 2 but less than half the regions of the state. (This level of activity does not apply for small states with 4 or fewer regions.)
- ➔ **Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state.

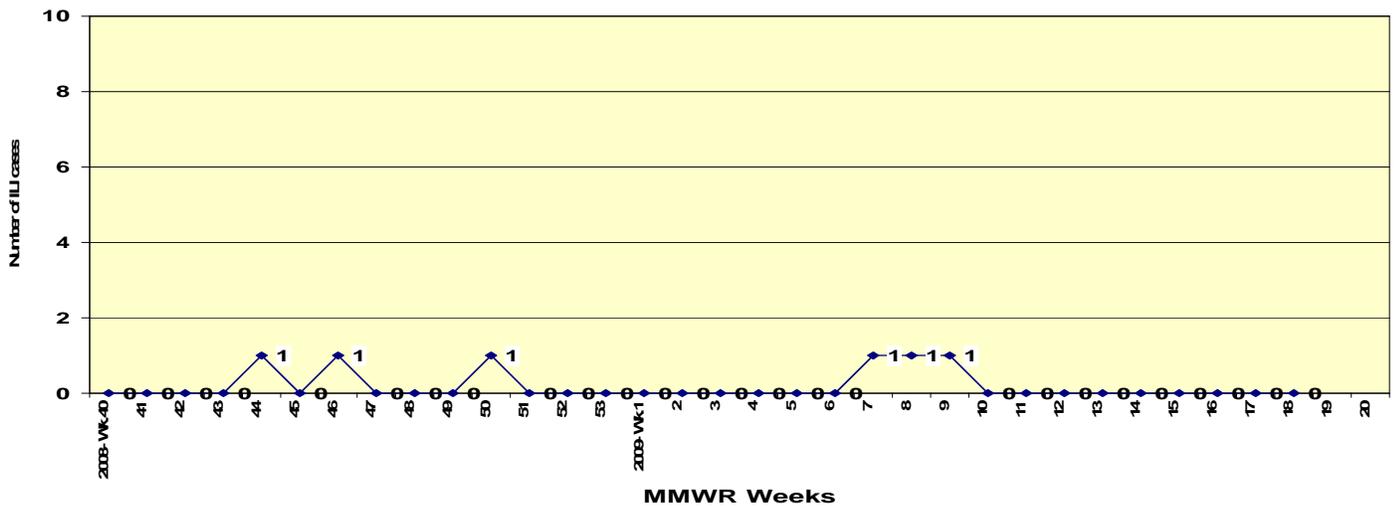
**ILI cases reported from Sentinel providers**  
**5 of 12 sentinel providers reporting**



**Note:** This data is current as of distribution date and is subject to change.  
**Starting with Week 16: Due to the Swine Flu outbreak, ILI may be increased.**

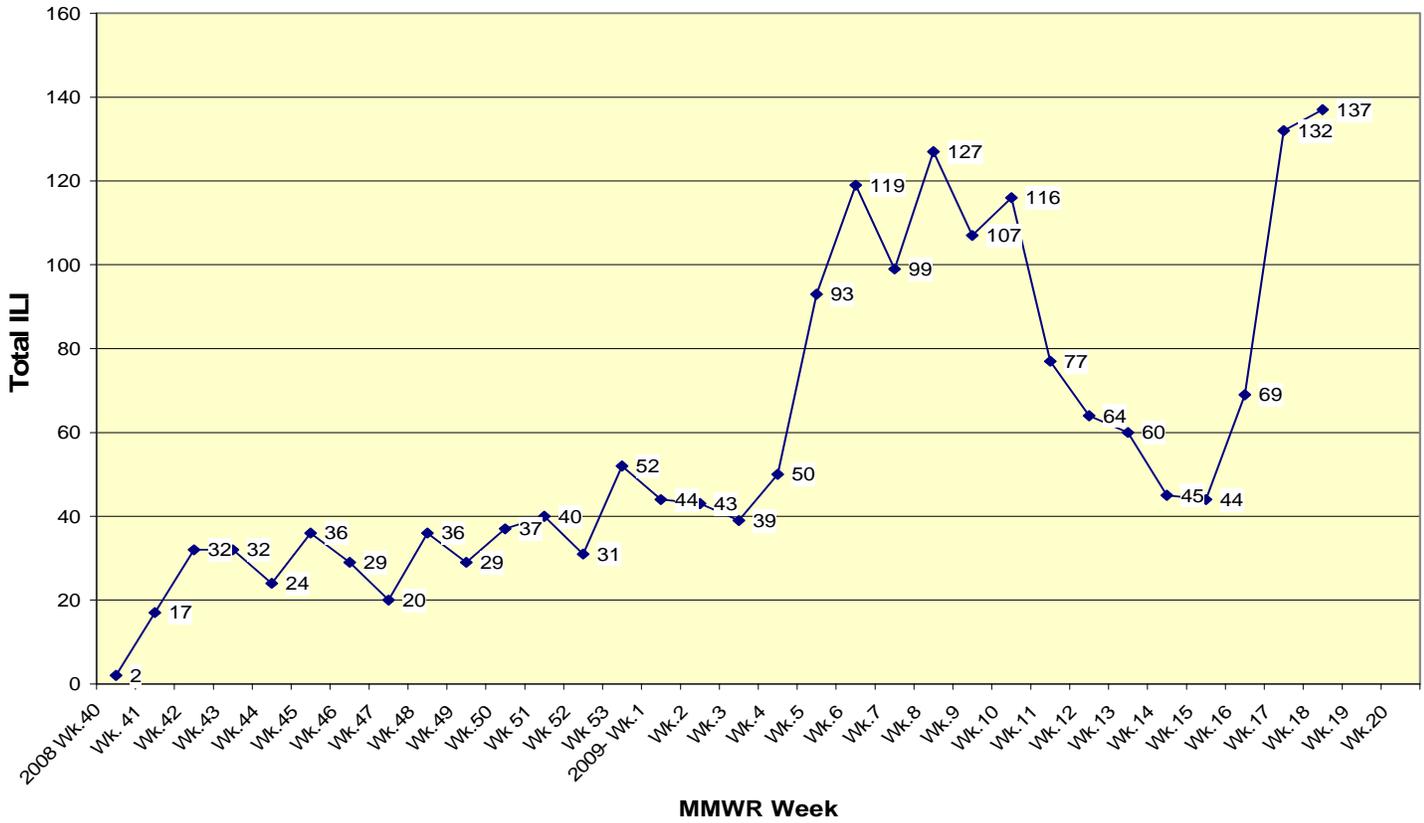
**ILI cases reported from Corporations/LTCF**  
**5 of 5\* sites reporting**

(\*one organization that previously reported is no longer participating)



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## Hospital ILI Cases 8 of 8 hospitals reporting

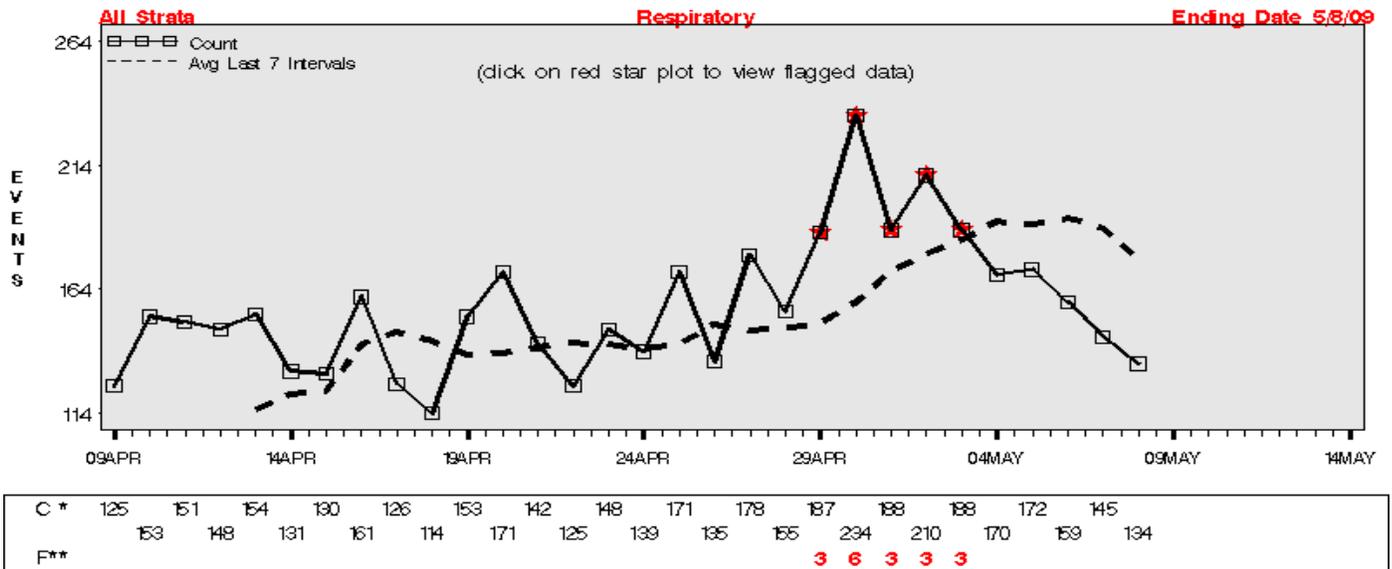


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## Respiratory – Syndromic Surveillance

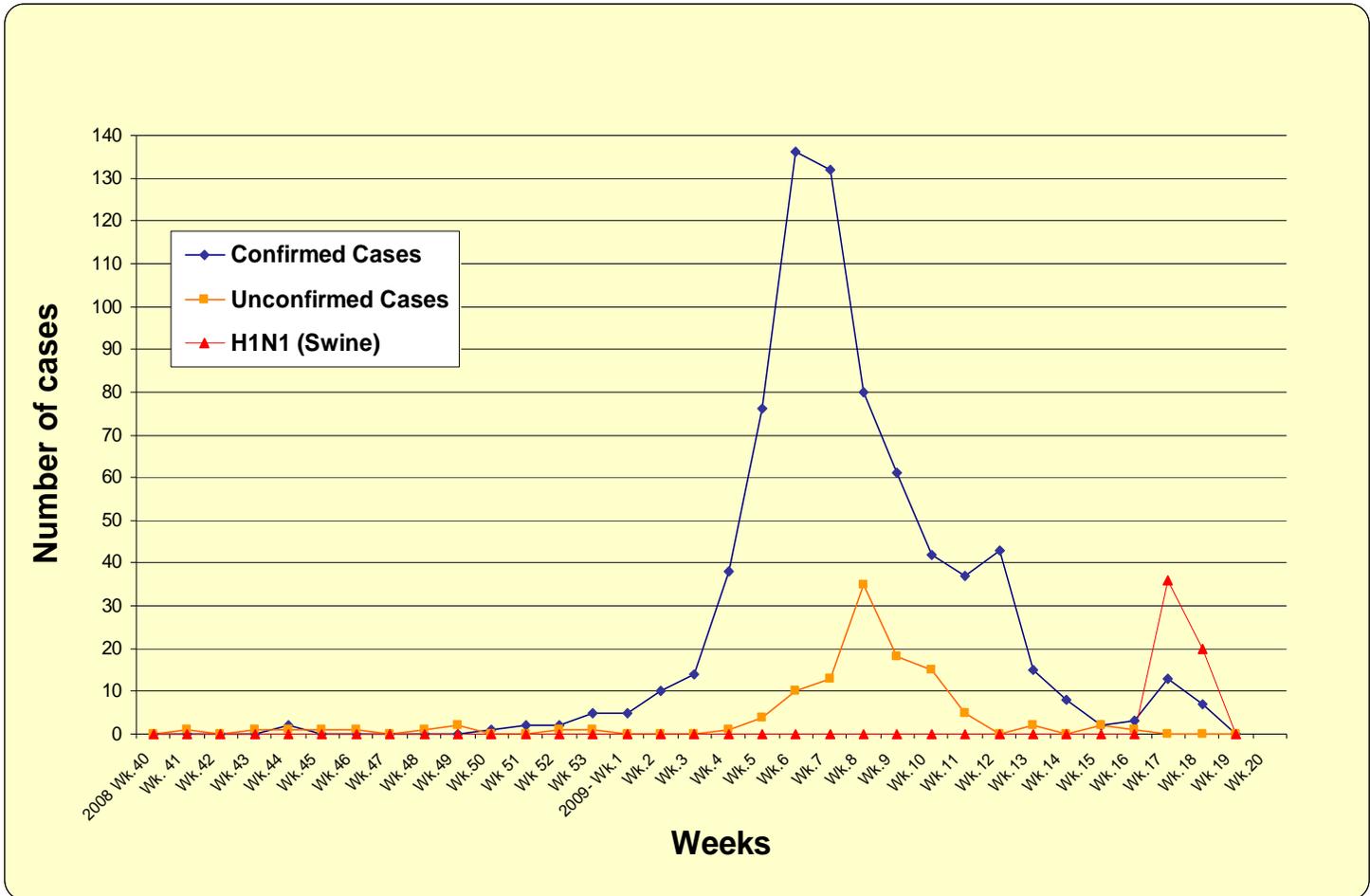
### Early Aberration Reporting System (EARS)

#### Hospital Syndromic Surveillance



**C1= Mild Sensitivity    C2= Moderate Sensitivity    C3= Ultra Sensitivity**  
**\*C = total count (last three digits)    \*\*F are flags 1= C1 2= C2 3= C3 4= C1C3 5= C2C3 6= C1C2C3**

**2008-2009 Influenza season**  
**Confirmed, Unconfirmed and H1N1 (Swine) Cases\***



**\*Note:**

**Confirmed cases: PCR (Polymerase Chain Reaction) positive or Influenza culture positive.**

**Unconfirmed cases: Rapid assay positive, not confirmed with PCR or culture.**

**H1N1 (Swine): PCR (Polymerase Chain Reaction) positive**