

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

10/28/2009

Updated Wednesdays at: <http://health.utah.gov/epi/h1n1flu/>



### Status summary as of Wednesday, October 28:

Utah:

#### Circulation:

- The indicator used by public health to measure the circulation of influenza in the community is influenza-like illness (ILI) as reported by sentinel clinics. (An ILI sentinel clinic is a clinic that reports to public health the percentage of patient visits seen for influenza-like illnesses).
- Influenza is currently circulating at a level that is greater than what is typically seen during regular flu seasons. At this level of influenza activity, the potential to stress health care and other systems in Utah exists. The level of influenza activity currently occurring is considered very unusual for this time of the year.
- For the past week (MMWR week 42), the ILI rate for Utah is 9.4% (up from 6.6% last week).
  - This value is above the ILI outbreak threshold of 1.1%.
  - ILI is up for the fourth consecutive week.

#### Severity:

- The severity of an influenza outbreak (epidemic or pandemic) is measured by the number of influenza infections that result in hospitalization or death. To date, severity for the 2009 H1N1 Pandemic is comparable to or slightly greater than the severity seen during regular flu seasons.
- At this time there is no evidence that severity for the 2009 H1N1 Pandemic is changing.
- There have been a total of 404 influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic strains) reported this season, which is an increase of 130 from the 274 reported last week.
- The 130 IAHs reported this week is down from the 147 IAHs reported last week. However, the current number of IAHs is still very unusual for this early in the influenza season.
  - 98 IAHs (of the 130 IAHs) occurred within the last week; 32 IAHs (of the 130 IAHs) occurred in prior weeks, but were reported to public health within the past week. In some instances a lag can occur from the time the case occurred to the time it gets reported to public health.

#### 2009 Pandemic A (H1N1) deaths:

- The severity measure listed above is for influenza caused by all strains (regular seasonal flu and the 2009 Pandemic A (H1N1)). In addition, Utah

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

10/28/2009

Updated Wednesdays at: <http://health.utah.gov/epi/h1n1flu/>



is collecting data on patient deaths (whether hospitalized or not) known to have been related to the 2009 Pandemic A (H1N1) strain.

- A total of 12 deaths related to 2009 Pandemic Influenza A (H1N1) have been reported to public health since the beginning of the 2009-2010 influenza season (which began August 30, 2009). This is 4 more deaths than reported last week.
- 3 deaths occurred in Utah during the past week in which the persons had confirmed 2009 Pandemic Influenza A (H1N1). For more information regarding these deaths, please refer to the Local Health District.
- Deaths not previously reported:
  - 1 in Salt Lake Valley Health District
    - 1 female, age 65+ (died within the last week)
  - 1 in Southwest Utah Health District
    - 1 female, age 5-24 (died within the last week)
  - 1 in Weber-Morgan Health District
    - 1 male, age 25-49 (died within the last week)
  - 1 in Utah County Health District
    - 1 female, age 5-24 (died prior to this last week)

#### **Circulating strains:**

- This past week 147 total specimens were submitted to the Utah Public Health Laboratory for confirmatory influenza testing. Of the 147 specimens tested, 104 specimens or 71% were positive for influenza A. Of the 104 influenza A positive specimens, 102 (or 98%) were 2009 Pandemic A (H1N1), the other 2 were not subtyped or were unable to be subtyped.
  - 98% due to 2009 Pandemic A (H1N1)
  - 0% due to seasonal A (H1)
  - 0% due to seasonal A (H3)
  - 2% either not subtyped or unable to subtype
  - 0% due to Influenza B

#### **National/international surveillance:**

- Influenza illness is ongoing in the U.S. At this time, national ILI levels have increased sharply over the past few weeks, and overall, are higher than what is expected during this time of year. ILI activity is now higher than what is seen at the peak of many regular flu seasons.
- During the past week, widespread influenza activity was reported in 46 states, with regional influenza activity being report in 3 states (see map on next page).

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

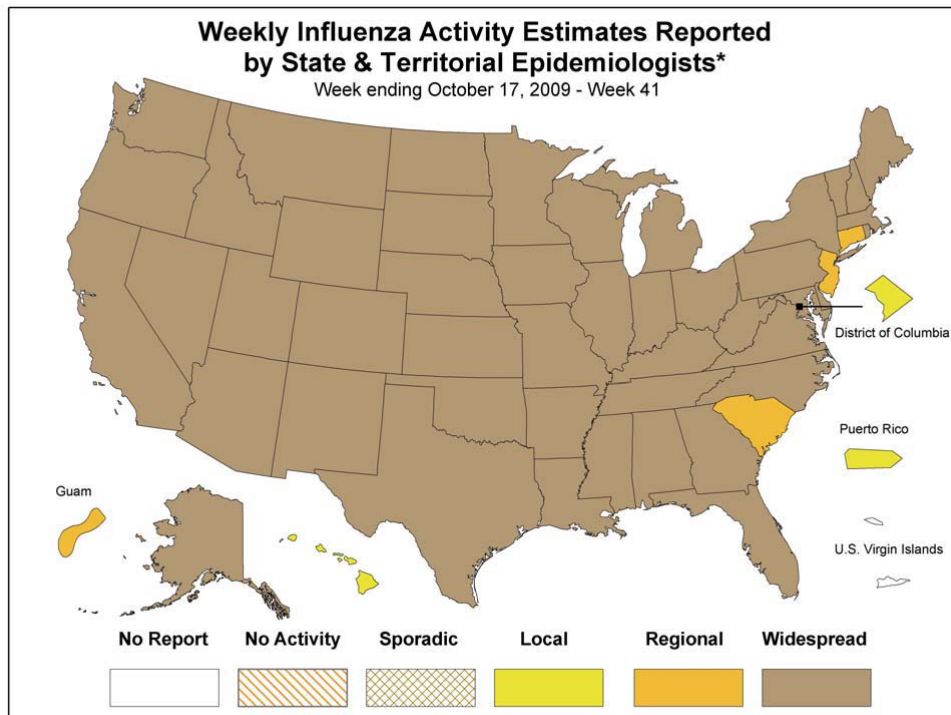
### Situation Report

10/28/2009

Updated Wednesdays at: <http://health.utah.gov/epi/h1n1flu/>



- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 6.9%, which is above the epidemic threshold for this time of year (6.6%). This is an increase from the previous week of 6.7%.



\* This map indicates geographic spread & does not measure the severity of influenza activity

### Viral circulation and resistance:

Data in this section comes from the CDC and is collected nationally:

- 99.8% of all influenza isolates typed at national reference labs this week were Influenza A:
  - 99.1% of subtyped isolates were 2009 Pandemic A (H1N1).
  - 0.0% were seasonal A (H1)
  - 0.0% were seasonal A (H3)
  - 0.9% of isolates were unable to be subtyped
- 0.2% were Influenza B
- The majority of influenza viruses currently circulating in the U.S. are 2009 Pandemic Influenza A (H1N1)

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

10/28/2009

Updated Wednesdays at: <http://health.utah.gov/epi/h1n1flu/>



This antiviral susceptibility profile is compiled by CDC and represents strains identified since September 1, 2009.

	Samples tested	% resistant to Oseltamivir	Samples tested	% resistant to Zanamivir
2009 Pandemic A (H1N1)	580	0.5%	114	0%
Seasonal A (H1)	0	0	0	0
Seasonal A (H3)	0	0	0	0
Influenza B	0	0	0	0

#### 2009 Pandemic Influenza A (H1N1) Vaccine Information:

- The 2009 Pandemic A H1N1 vaccine is delivered directly to Local Health Departments or designated providers in Utah from the central vaccine distributor. The Utah Department of Health does not control the supply and distribution of the vaccine.
- Utah received 72,500 doses of 2009 Pandemic A H1N1 vaccine this week. To date, Utah has received a total of 217,600 doses.
- 2009 Pandemic A H1N1 vaccine distribution continues to arrive in weekly shipments and vaccine is still in limited supply. Check with your Local Health Department or designated provider to find out what type of vaccine they have available and to whom they are giving it.
- CDC put together "10 FAQs for immunization programs and providers", it was posted on Wednesday, Oct. 21, 2009 and is available at: [http://www.cdc.gov/H1N1flu/vaccination/top10\\_faq.htm](http://www.cdc.gov/H1N1flu/vaccination/top10_faq.htm)

#### Guidance:

New CDC guidance available at: <http://www.cdc.gov/h1n1flu/whatsnew.htm>

- Updated Interim Recommendations -- HIV-Infected Adults and Adolescents: Considerations for Clinicians Regarding 2009 H1N1 Influenza (posted Wednesday, Oct. 21, 2009).
- For Providers: Prevention of Pneumococcal Infections Secondary to Seasonal and 2009 H1N1 Influenza Viruses Infection (posted Friday, Oct. 23, 2009).
- H1N1 Influenza A (H1N1) 2009 Monovalent Vaccine Dosage Chart (posted Monday, Oct. 26, 2009).

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

10/28/2009

Updated Wednesdays at: <http://health.utah.gov/epi/h1n1flu/>



- Antiviral Treatment Options, including Intravenous Peramivir, for Treatment of Influenza in Hospitalized Patients for the 2009-2010 Season (Updated Oct. 26)