

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

11/12/2009

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



### Status summary as of Saturday, November 07:

**Note:** Data in this report is from Sunday to Saturday. For today's report that is from 11/01/09 to 11/07/09.

#### 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 typical for what is seen during regular flu seasons, but higher than what is usually expected for this early in November. At this time ILI activity appears to have decreased slightly from previous weeks but is still above the epidemic threshold for the state.
- For the past week (MMWR week 44), the ILI rate for Utah was 4.7% (up slightly from 4.5% last week).
  - This value was above the ILI outbreak threshold of 1.1%.
  - ILI was up slightly from the prior week but down from weeks before to that.

##### 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.
- A total of **623** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. This is **103** more than reported last week (last week's total IAHs was **520**). Of the **103** IAHs reported this week, **37** occurred within this last reporting week (11/01/09 to 11/07/09), and **66** occurred prior to that but were not reported to public health until this reporting week. In some instances reporting lag times exist from the time the hospitalization occurs to when it is 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

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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 **14** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season. There were no new deaths related to 2009 Pandemic A (H1N1) influenza reported this past week.
- For more information regarding the 14 deaths, please refer to the Local Health District.

#### **Circulating strains:**

- Laboratory data reported from 11/1/09 to 11/7/09 shows 172 total specimens were submitted to the Utah Public Health Laboratory for confirmatory influenza testing. Of the 172 specimens submitted, 170 were tested. Of the 170 tested, 76 specimens or 45% were positive for influenza A. All 76 influenza A positive specimens were for 2009 Pandemic (H1N1).
  - 100% due to 2009 Pandemic A (H1N1)
  - 0% due to seasonal A (H1)
  - 0% due to seasonal A (H3)
  - 0% 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 are above national baseline levels and are higher than what is expected during this time of year.
- During the past week, widespread influenza activity was reported in 48 states, with regional influenza activity being report in 2 states (see map on next page).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 7.4%, which is above the epidemic threshold for this time of year (6.7%). P&I mortality has been above the epidemic threshold for five consecutive weeks.

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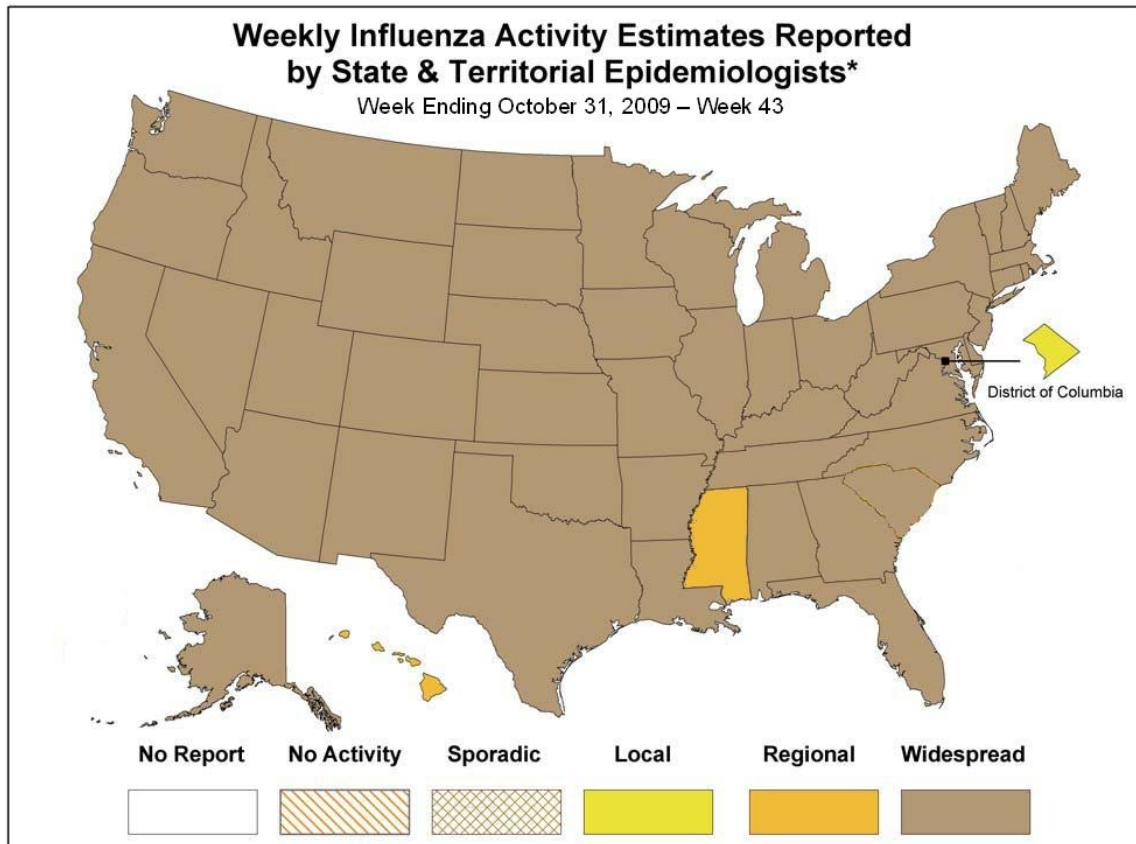
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\* This map indicates geographic spread & does not measure the severity of influenza activity

### Viral circulation and resistance:

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

- 99.7% of all influenza isolates typed at national reference labs this week were Influenza A:
  - 98.9% of subtyped isolates were 2009 Pandemic A (H1N1).
  - 0.05% were seasonal A (H1)
  - 0.05% were seasonal A (H3)
  - 1.0% of isolates were unable to be subtyped
- 0.3% were Influenza B
- The majority of influenza viruses currently circulating in the U.S. are 2009 Pandemic Influenza A (H1N1)

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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)	884	0.2%	256	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:

- Utah has been allocated for this week 72,500 doses of H1N1 vaccine that should arrive within a week. To date, Utah has received a total of 296,200 doses. When the 72,500 doses arrive, Utah will have received a total of 368,700 doses
- Utah health care providers reported having administered 176, 255 doses of H1N1 vaccine, as of Saturday, Nov. 7
- 2009 Pandemic A H1N1 vaccine 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. Visit <http://www.ualhd.org/Department/Department.htm> for a list of local health department websites.
- CDC updated their set of frequently asked questions on use of influenza A (H1N1) 2009 monovalent vaccines: Practical considerations for immunization programs and providers. This update is available at: [http://www.cdc.gov/H1N1flu/vaccination/top10\\_faq.htm](http://www.cdc.gov/H1N1flu/vaccination/top10_faq.htm)
- Seasonal Flu Vaccine:

Seasonal influenza vaccine is also in limited supply. Manufacturers estimate that a total of 114 million doses will be brought to the U.S. market. As of October 23, 2009, 89 million doses have been distributed (77% of the doses expected this season).

Because the total number of doses that will be made this year is approximately the same as the number of doses that were actually administered last year, an increase in demand cannot be met this season.

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Manufacturers are not able to produce more seasonal influenza vaccine for this season.

CDC is working with manufacturers, states, and immunization providers to identify existing seasonal flu vaccine and get it to providers who can administer it to people who need and want it.

#### Guidance:

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

- Poster-Disposable Respirators: General Donning Instructions. The posters describe general procedures for properly putting on and taking off a disposable respirator. Available in English and Spanish. (posted Friday, Nov. 6, 2009)
- CDC Letter to Providers Promoting Pneumococcal Polysaccharide Vaccine (PPSV) for Adults. (posted Tuesday, Nov. 10, 2009)
- Interim Guidance: Considerations Regarding 2009 H1N1 Influenza in Intrapartum and Postpartum Hospital Settings (Obstetric Settings). (posted Tuesday, Nov. 10, 2009)

#### Pre-Hospital Influenza A (H1N1) Data:

- The UDOH daily receives data from Emergency Medical Services (EMS) providers in the State. Included in the data are primary patient symptoms, primary impressions of paramedics and medical technicians of the patients, and other surveillance indicators for flu-like illness. The overall trend for the past few weeks is a decrease in pre-hospital influenza-like illness symptoms, impressions and indicators.

#### Hospital Data:

- Utah hospitals reported that a statewide total of 1,836 hospital beds were available this week.

#### In the News:

- Many stories continue to run in local and statewide newspapers and television stations regarding the H1N1 flu and vaccine. No major rumors or incorrect information has been detected this week.