

# 2009-2010 Influenza Season

(August 30, 2009 – present)

## Utah Public Health

### Situation Report

11/25/2009

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



### Status summary as of Saturday, November 21:

**Note:** Data in this report is from Sunday to Saturday, November 15, 2009 to November 21, 2009.

#### 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 time of the year. At this time ILI activity appears to have decreased for the fourth consecutive week, but is still above the statewide epidemic threshold of 1.1%.
- For the past week (MMWR week 46), the ILI rate for Utah is 3.4% (down from 5.4% last week).
  - This value is above the ILI outbreak threshold of 1.1%.
  - ILI is down 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.
- A total of **770** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. This is **72** more than reported last week (last week's total IAHs was **698**). Of the **72** IAHs reported this week, **20** occurred within this last reporting week (11/15/09 to 11/21/09), and **52** occurred prior to that but were not reported to public health until this 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 **20** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season. This is **one** more than reported last week. The death reported this week, died within the last reporting week (11/15/09 to 11/21/09). For more information regarding this death, please refer to the Local Health District.
- Deaths not previously reported:
  - 1 in Southwest Utah Public Health District
    - 1 female, age 50-64

#### 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 43 states, with regional influenza activity being report in 7 states (see map below).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 7.5%, which is above the epidemic threshold for this time of year (6.9%). P&I mortality has been above the epidemic threshold for seven consecutive weeks.

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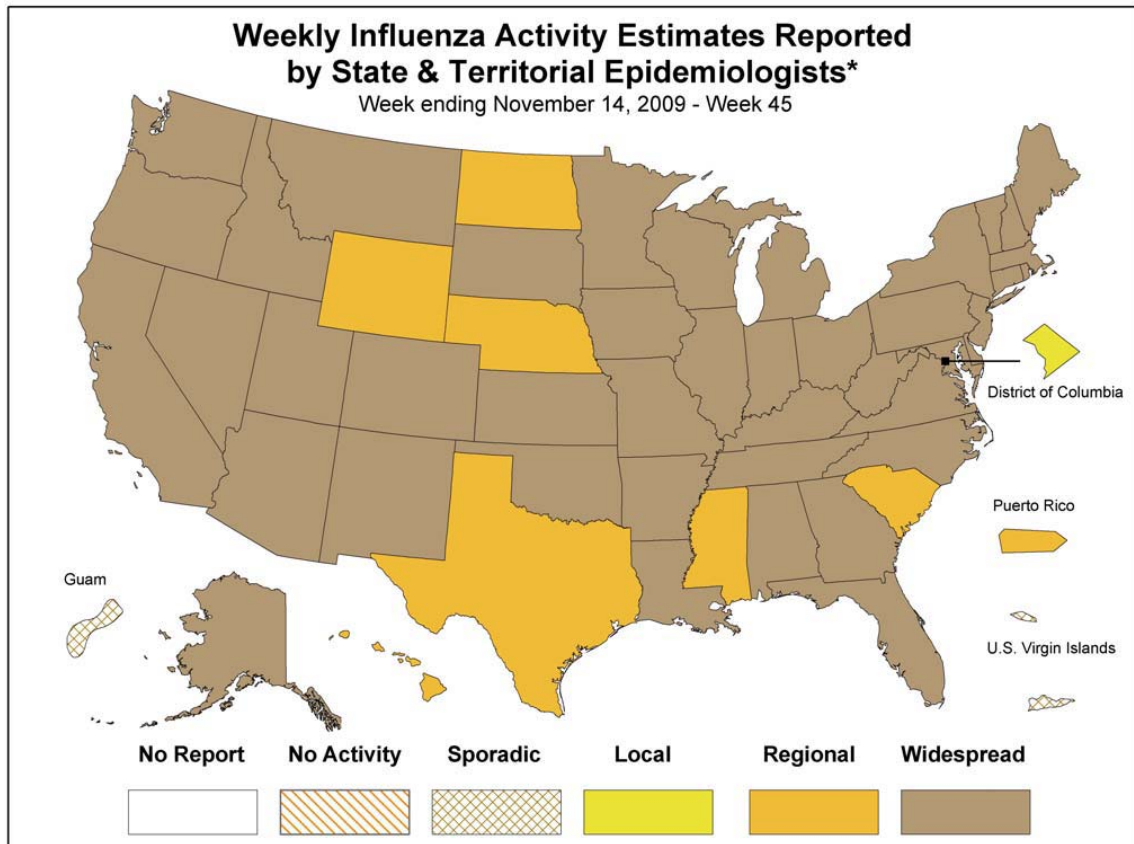
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\* This map indicates geographic spread & does not measure the severity of influenza activity

### Viral circulation and resistance:

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

- 99.9% of all influenza isolates typed at national reference labs this week were Influenza A:
  - 99.5% of subtyped isolates were 2009 Pandemic A (H1N1).
  - 0.1% were seasonal A (H1)
  - 0.0% were seasonal A (H3)
  - 0.4% of isolates were unable to be subtyped
- 0.1% were Influenza B
- The majority of influenza viruses currently circulating in the U.S. are 2009 Pandemic Influenza A (H1N1)

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

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	Samples tested	% resistant to Oseltamivir	Samples tested	% resistant to Zanamivir
2009 Pandemic A (H1N1)	1,209	0.8%	353	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 88,500 doses of vaccine to order this week. When that order arrives, Utah will have received a total of 533,000 doses.
- Utah health care providers reported having administered 284,906 doses of H1N1 vaccine, as of Saturday, November 21, 2009.
- 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 health care 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.
- Although the H1N1 vaccine supply overall is improving every day, there is -- and will be -- variability in supplies and demand at the local provider level (e.g., individual clinics or physicians may have less vaccine than needed). As the 2009 H1N1 vaccine supply situation improves, more people in priority groups will be able to get vaccinated, and do so with greater ease.
- The top priority for available vaccine is reaching people in targeted populations. How people in these groups are reached may vary within communities. Some local health departments may disseminate vaccine through doctors' offices, schools or other designated health care providers.
- On November 10, the FDA approved the expansion of the age indication for both of CSL Limited's inactivated influenza vaccines: the seasonal formulation (Afluria) and the 2009 H1N1 formulation. These two vaccines are now approved for use in people age 6 months and older; previously, they were licensed for use in people age 18 years and older. Visit the [FDA](#) website to access the document, "Influenza A (H1N1) 2009 Monovalent Vaccines Descriptions and Ingredients."

#### Guidance:

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

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- New: Updated Guidance for the Use of CSL 2009 H1N1 Monovalent Vaccine. The FDA expanded the approved use of CSL's seasonal and 2009 H1N1 monovalent influenza vaccines to include children aged 6 months and older. Both vaccines had previously been approved only for use in adults, aged 18 years and older. This guidance has been updated to reflect the changes. (Posted Thursday, November 19, 2009)
- New: 2009 H1N1 Influenza Vaccine - Administration with Seasonal Influenza and Other Vaccines. (Posted Friday, November 20, 2009) Chart for this is available at: [http://www.cdc.gov/h1n1flu/vaccination/vaccine\\_admin.html](http://www.cdc.gov/h1n1flu/vaccination/vaccine_admin.html)
- New: 2009 H1N1 Influenza Vaccine - Dose Spacing for Children 6 Months through 9 Years of Age. Chart for this is available at: <http://www.cdc.gov/H1N1flu/vaccination/dosespacing.html>
- New: 2009 H1N1 Influenza Vaccine Dose Spacing and Administration with Seasonal Influenza and Other Vaccines. Chart for this is available at: [http://www.cdc.gov/H1N1flu/vaccination/dosespacing\\_admin.html](http://www.cdc.gov/H1N1flu/vaccination/dosespacing_admin.html)

#### 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. This week, rates for pre-hospital influenza-like illness symptoms, impressions and indicators have decreased since last week. The overall trend for the past few weeks is a decrease in these factors.

#### Hospital Data:

- Utah hospitals reported a statewide total of 1,915 available, staffed hospital beds. This is 28 more than last week with fewer hospitals reporting, and 79 more than the previous week. There are a total of 5,840 licensed hospital beds in the state.
- Utah hospitals reported that 394 staffed ventilators were available this week. This is 27 less than the previous week. 353 pediatric capable ventilators were reported as available this week. This is 4 more than the previous week.
- Hospitals reported 33 patients on rescue therapies, such as ventilators, which is 1 less than the previous week. Fifty is the highest number reported since reporting began on October 7, 2009.

#### In the News:

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- 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.