

2009-2010 Influenza Season

(August 30, 2009 – present)

Utah Public Health

Situation Report

11/18/2009

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



Status summary as of Saturday, November 14:

Note: Data in this report is from Sunday to Saturday, November 08, 2009 to November 14, 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 third consecutive week, but is still above the statewide epidemic threshold of 1.1%.
- For the past week (MMWR week 45), the ILI rate for Utah is 3.5% (down from 4.7% last week).
 - This value is above the ILI outbreak threshold of 1.1%.
 - ILI is down for the third 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 **698** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. This is **75** more than reported last week (last week's total IAHs was **623**). Of the **75** IAHs reported this week, **24** occurred within this last reporting week (11/08/09 to 11/14/09), and **51** 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 **19** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season. This is **five** more than reported last week. Of the **five** deaths reported this week, **one** died within the last reporting week (11/08/09 to 11/14/09) and **four** died prior to 11/08/09, but were reported this past reporting week.
- 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 50-64 (died within the last reporting week)
 - 1 male, age 50-64 (died prior to this last reporting week)
 - 1 female, age 25-49 (died prior to this last reporting week)
 - 1 in Utah County Health District
 - 1 female, age 65 + (died prior to this last reporting week)
 - 1 in Southeast Utah Health District
 - 1 male, age 25-49 (died prior to this last reporting week)

Circulating strains:

Laboratory data reported from 11/08/09 to 11/14/09 shows that 120 total specimens were tested at the Utah Public Health Laboratory for the presence of influenza. Of the 120 specimens, Influenza A was detected in 22 (18%). There were 21 specimens positive for 2009 Pandemic Influenza A (H1N1) and one specimen positive for seasonal A (H3).

- 18 % Influenza A:
 - 95.5% were 2009 Pandemic Influenza A (H1N1)
 - 4.5% were seasonal A (H3)
 - 0% were seasonal A (H1)
- 1.7% either not subtyped or unable to subtype
- 1.7% were parainfluenza virus
 - 50% were parainfluenza type 1
 - 50% were parainfluenza type 3

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.

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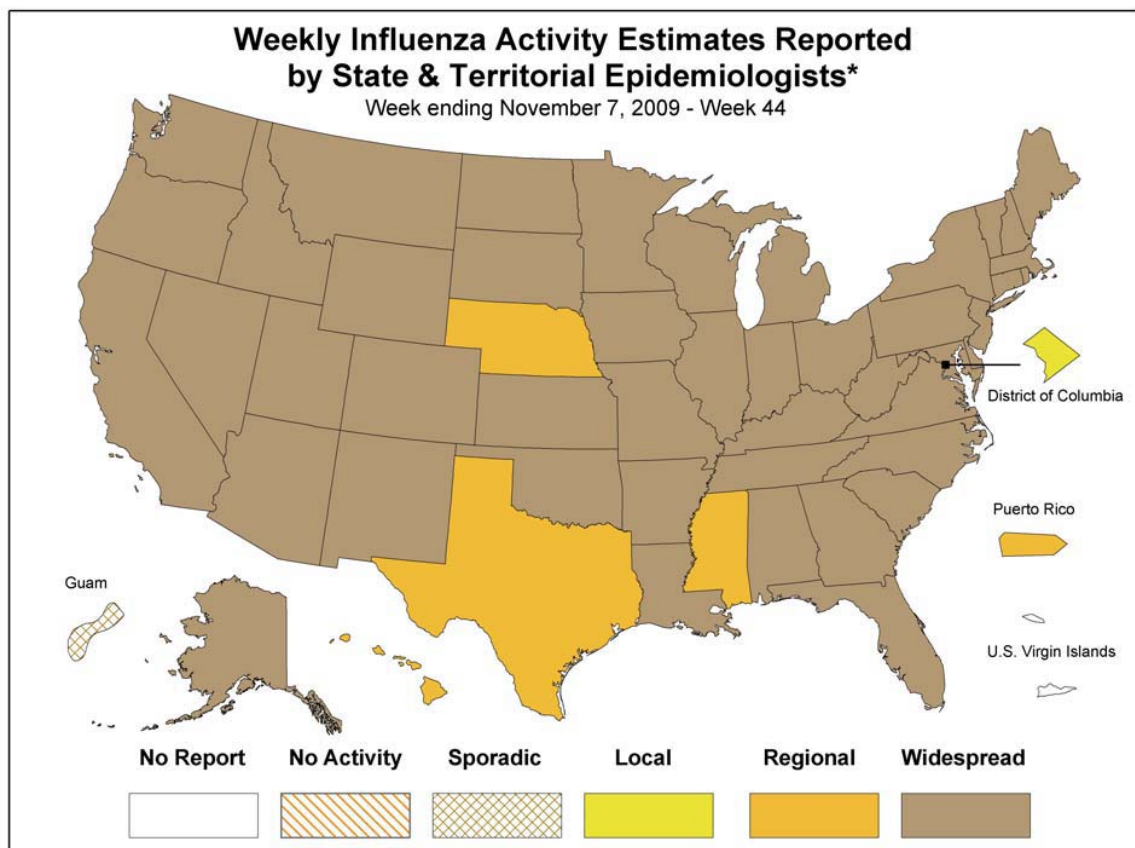
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- During the past week, widespread influenza activity was reported in 46 states, with regional influenza activity being report in 4 states (see map on next page).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 7.7%, which is above the epidemic threshold for this time of year (6.8%). P&I mortality has been above the epidemic threshold for six consecutive weeks.



* 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:

- 99.5% of all influenza isolates typed at national reference labs this week were Influenza A:
 - 99.5% of subtyped isolates were 2009 Pandemic A (H1N1).
 - 0.00% were seasonal A (H1)
 - 0.00% were seasonal A (H3)

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- 0.50% of isolates were unable to be subtyped
- 0.5% 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.

	Samples tested	% resistant to Oseltamivir	Samples tested	% resistant to Zanamivir
2009 Pandemic A (H1N1)	1076	0.3%	315	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 75,800 doses of H1N1 vaccine that should arrive within a week. To date, Utah has received a total of 368,700 doses. When the 75,800 doses arrive, Utah will have received a total of 444,500 doses.
- Utah health care providers reported having administered 228,367 doses of H1N1 vaccine, as of Tuesday, November 17, 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 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.

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- 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>

- Update: FDA Questions and Answers for Health Care Providers: Renal Dosing and Administration Recommendations for Peramivir IV (Posted Friday, November 13, 2009).
- New: 2009 H1N1 Flu Information for People with Disabilities and Their Caregivers or Personal Assistants (Posted Monday, November 16, 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. This week, rates for pre-hospital influenza-like illness symptoms, impressions and indicators have remained at about the same level as 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 1887 available, staffed hospital beds were this week. This is 51 more than last week with fewer hospitals reporting, and 99 more than the previous week. There are a total of 5840 licensed hospital beds in the state.
- Utah hospitals reported that 421 staffed ventilators were available this week. This is 12 more than the previous week. 349 pediatric capable ventilators were reported as available this week. This is 2 more than the previous week.
- Hospitals reported 34 patients on rescue therapies, such as ventilators, which is 16 less than the previous week (50). 50 is the highest number reported since reporting began on October 7th.

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.