

2009-2010 Influenza Season

(August 30, 2009 – present)

Utah Public Health

Situation Report

12/09/09

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



Status summary as of Saturday, December 05:

Note: Data in this report is from Sunday to Saturday, November 29, 2009 to December 05, 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 is slightly higher than what is usually expected for this time of the year. ILI activity in the Utah has decreased for the sixth consecutive week, but is still above the statewide epidemic threshold of 1.1%.
- For the past week (MMWR week 48), the ILI rate for Utah is 1.7% down from 2.6% last week).
 - This value is above the ILI outbreak threshold of 1.1%.
 - ILI is down for the sixth 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 **841** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. This is **34** more than reported last week (last week's total IAHs was **807**). Of the **34** IAHs reported this week, **17** occurred within this last reporting week (11/29/09 to 12/05/09), and **17** 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:

(Note: In the Situation Report that was first published and distributed last week (12/02/09) there was an error with the number of reported 2009 H1N1 associated deaths. It was reported initially that there were three deaths associated with the 2009

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H1N1 virus, when actually there were only two. One hospitalized case was misreported as a death, when in fact the case was only hospitalized)

- The severity measure listed above is for influenza caused by all strains (regular seasonal flu and the 2009 Pandemic A (H1N1)). In addition, Utah 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 **24** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season. This is **two** more than reported last week. Both of the deaths reported this week occurred within the last reporting week (11/29/09 to 12/05/09). 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 male, age 25-49 (died within the last reporting week)
 - 1 in Weber-Morgan Health District
 - 1 female, age 25-49 (died within the last reporting week)

Circulating strains:

Laboratory data reported from 11/29/09 to 12/05/09 shows that 50 total specimens were submitted to Utah Public Health Laboratory (UPHL) for influenza testing. Of the 50 specimens, 49 were tested for the presence of influenza. Of the 49 specimens tested, 8 (16.3%) were positive for influenza A. Of the 8 specimens that tested positive for influenza A, all were 2009 Pandemic A (H1N1) influenza.

- Influenza A:
 - 100% were 2009 Pandemic Influenza A (H1N1)
 - 0% were seasonal A (H1)
 - 0% were seasonal A (H3)
- 0% Influenza B
- 2% unable to subtype

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 25 states, with regional influenza activity being reported in 17 states (see map).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 7.2%, which is just slightly above the

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This antiviral susceptibility profile is compiled by CDC and represents strains identified since September 1, 2009. The results of antiviral resistance testing performed are summarized in the table below.

	Samples tested	% resistant to Oseltamivir	Samples tested	% resistant to Zanamivir	Samples tested	% resistant to Adamantanes
2009 Pandemic A (H1N1)	1,540	0.6%	451	0%	207	99.5%
Seasonal A (H1N1)	2	50%	0	0	0	0
Seasonal A (H3N2)	5	0	0	0	2	100%
Influenza B	1	0	0	0	NA	NA

2009 Pandemic Influenza A (H1N1) Vaccine Information:

- Utah received a total of 75,300 doses of the 2009 Pandemic A H1N1 vaccine this week. That makes a total of 700,800 doses of the 2009 Pandemic A H1N1 vaccine received so far this season for Utah.
- 2009 Pandemic A H1N1 vaccine continues to arrive in weekly shipments. Check with your Local Health Department or designated health care provider to find out what type of vaccine available and who they are vaccinating. Visit <http://www.ualhd.org/Department/Department.htm> for a list of local health department websites.
- Currently, all health departments are vaccinating the recommended priority groups. Some local health departments and pharmacies have opened vaccination to other groups. Check with your local health department or pharmacy to determine which groups are currently eligible for vaccination in your county.
- Some pharmacies are now vaccinating children under 13 years of age. Age limits vary by pharmacy and county. Contact your local pharmacy to determine specific age limits for vaccinating children.

Guidance:

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

- Update: Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season. Updated information includes: use of intravenous peramivir under an emergency use authorization; availability of renal dosing for peramivir; and updated oseltamivir dosing instructions for children

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younger than 1 year of age based on weight (posted Tuesday, December 8, 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 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 1,804 available, staffed hospital beds. This is 111 less than last week. There were 47 of 50 hospitals that reported. There are a total of 5,840 licensed hospital beds in the state.
- Utah hospitals reported that 428 staffed ventilators were available this week. This is 34 more than the previous week. Also, 360 pediatric capable ventilators were reported as available this week. This is 7 more than the previous week.
- Hospitals reported 42 patients on *rescue therapies, such as ventilators, this is 9 more than the previous week. Fifty is the highest number reported since reporting began on October 7, 2009.

*All causes for rescue therapies included, not just influenza like illness.

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 in local and statewide newspapers and television outlets.