

2009-2010 Influenza Season

Utah Public Health

Situation Report

09/30/2009

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



Status summary as of Wednesday, September 30: Utah:

Circulation:

- The measure of influenza circulation in the community is influenza-like illness (ILI) as reported by sentinel clinics.
- For the past week (MMWR week 38), the ILI rate for Utah is 0.6 (down slightly from 0.7 last week).
 - This value is below the outbreak threshold.
 - ILI is down from previous weeks.

Severity:

- The measure of influenza severity in the community is influenza-associated hospitalizations (IAH).
- There have been 34 influenza-associated hospitalizations (due to both seasonal and 2009 pandemic strains) reported this season.
 - 8 have occurred during the past week.
 - No hospitalized patients have died.
 - The trend of IAH being reported over the past three weeks (including the last week of the 2008-2009 influenza season) has shown little change.

2009 Pandemic A (H1N1) deaths:

- The severity measures listed above are for influenza caused by all strains. In addition, Utah will be collecting data on patient deaths (whether hospitalized or not) known to have been caused by the 2009 Pandemic A (H1N1) strain.
- There have been 0 deaths due to 2009 Pandemic A (H1N1) this season.

Circulating strains:

- There were 52 specimens submitted to the Utah Public Health Laboratory for confirmatory testing during the past week. There were 27 positive for influenza (52%):
 - 100% due to 2009 Pandemic A (H1N1)
 - 0% due to seasonal A (H1)
 - 0% due to seasonal A (H3)
 - 0% due to Influenza B

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National/international surveillance:

- Influenza illness is ongoing in the United States. At this time, national ILI levels are higher than what is expected during this time of year and have increased for six consecutive weeks. Increased influenza activity is being seen in the Southeastern portion of the United States as well as in several states in the Midwest and a few states in the Southwest portions of the United States.
 - Twenty-six states (AL, AK, AZ, AR, CA, CO, DE, FL, GA, IL, KS, KY, LA, MD, MN, MS, NV, NM, NC, OK, PA, SC, TX, TN, VA, and WA) are reporting widespread influenza activity. Any reports of widespread influenza activity in September are very unusual.
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week is below the epidemic threshold and within the bounds of what is expected at this time of year.

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:
 - 99.6% of the subtyped isolates were 2009 Pandemic A (H1N1).
 - 0.3% were seasonal A (H1)
 - 0.1% were seasonal A (H3)
- 0.1% were Influenza B
- The large majority of influenza viruses currently circulating in the U.S. are 2009 Pandemic A (H1N1)

This antiviral susceptibility profile is compiled by CDC and represents strains identified since October 1, 2008.

	% resistant to Oseltamivir	% resistant to Zanamivir	% resistant to Adamantanes
2009 Pandemic A (H1N1)	0.6%	0 %	100%
Seasonal A (H1)	99.6%	0%	0.5%
Seasonal A (H3)	0%	0%	100%
Influenza B	0%	0%	N/A

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2009 Pandemic Influenza A (H1N1) Vaccine Information:

- Utah received 30,000 doses of FluMist (nasal spray) in the first round of H1N1 vaccine supplies. The vaccine will be distributed directly from the central distribution center to Local Health Departments and community partners identified by Local Health Departments. The vaccine should be available to priority groups by mid-October.
- The nasal spray is only approved for use in healthy people ages 2-49 years who are not pregnant. It is not approved for people with high risks of developing severe complications from influenza including pregnant women, children younger than 2 years, and people with asthma and other chronic respiratory diseases.
- Want to become a 2009 Pandemic Influenza A (H1N1) vaccine provider? If so, please review the vaccine provider training and registration requirement found at: http://health.utah.gov/epi/h1n1flu/groups/vaccine_provider.html

Guidance:

New Utah guidance available at:

<http://health.utah.gov/epi/h1n1flu/groups/clinician.html>

- Guidelines for Submitting Influenza Samples to the Utah Public Health Laboratory (UPHL) (posted Thursday, Sept. 24, 2009)

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

- H1N1 Flu (Swine Flu): Preparedness Tools for Professionals (posted Wednesday, Sept. 23, 2009).
- Updated Pediatric Antiviral Dosing Syringe and Compounding Information for 2009 H1N1 and Seasonal Flu (posted Friday, Sept. 25, 2009)
- Interim recommendations for Clinical Use of Influenza Diagnostic Tests During the 2009-10 Influenza Season (posted Tuesday, Sept. 29, 2009).
- Questions and Answers: Interim Recommendations for Clinical Use of Influenza Diagnostic Testing During the 2009-2010 Influenza Season – For Health Care Providers (posted Tuesday, Sept. 29, 2009).
- 2009-2010 influenza season – information for pharmacists (posted Tuesday, Sept. 22, 2009).