

2009-2010 Influenza Season

(August 30, 2009 – present)

Utah Public Health

Situation Report

12/23/09

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



Utah Summary:

Note: Data in the Utah Summary section of this report is from Sunday to Saturday (MMWR Week 50), December 13, 2009 to December 19, 2009.

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. ILI activity in Utah has decreased for the eighth consecutive week, and is right at the statewide epidemic threshold of 1.1%.
- For the past week (MMWR Week 50), the ILI rate for Utah is 1.1% (down from 1.6% last week).
 - This value is right at the Utah ILI outbreak threshold of 1.1%.
 - ILI is down for the eighth 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.
- Thus far for the 2009-2010 influenza season, the total number of influenza infections and hospitalizations associated with influenza have substantially exceeded the total expected for an entire influenza season.
- At this time there is no evidence that severity for the 2009 H1N1 Pandemic is changing, meaning that the ratio of infections resulting in hospitalization or death has been relatively constant since the beginning of the Pandemic.
- A total of **861** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. This is **4** more than reported last week (last week's total IAHs was **857**). Of the **4** IAHs reported this week, **2** occurred within this last reporting week (12/13/09 to 12/19/09), and **2** 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.

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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 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 **25** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season.
- No deaths related to 2009 Pandemic A (H1N1) influenza were reported to public health this week.

Circulating strains:

Laboratory data reported from 12/13/09 to 12/19/09 shows that 37 total specimens were submitted to Utah Public Health Laboratory (UPHL) for influenza testing. All 37 specimens tested were negative for influenza.

National/International Surveillance Summary

Note: Data in the National/International Surveillance Summary section of this report is from Sunday to Saturday (MMWR Week 49), December 6, 2009 to December 12, 2009.

- While influenza activity continues to decrease in the U.S., national ILI levels are still 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 11 states, with regional influenza activity being reported in 20 states (see map).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was 7.6%, which is above the epidemic threshold for this time of year (7.2%). P&I mortality has been above the epidemic threshold for eleven consecutive weeks.

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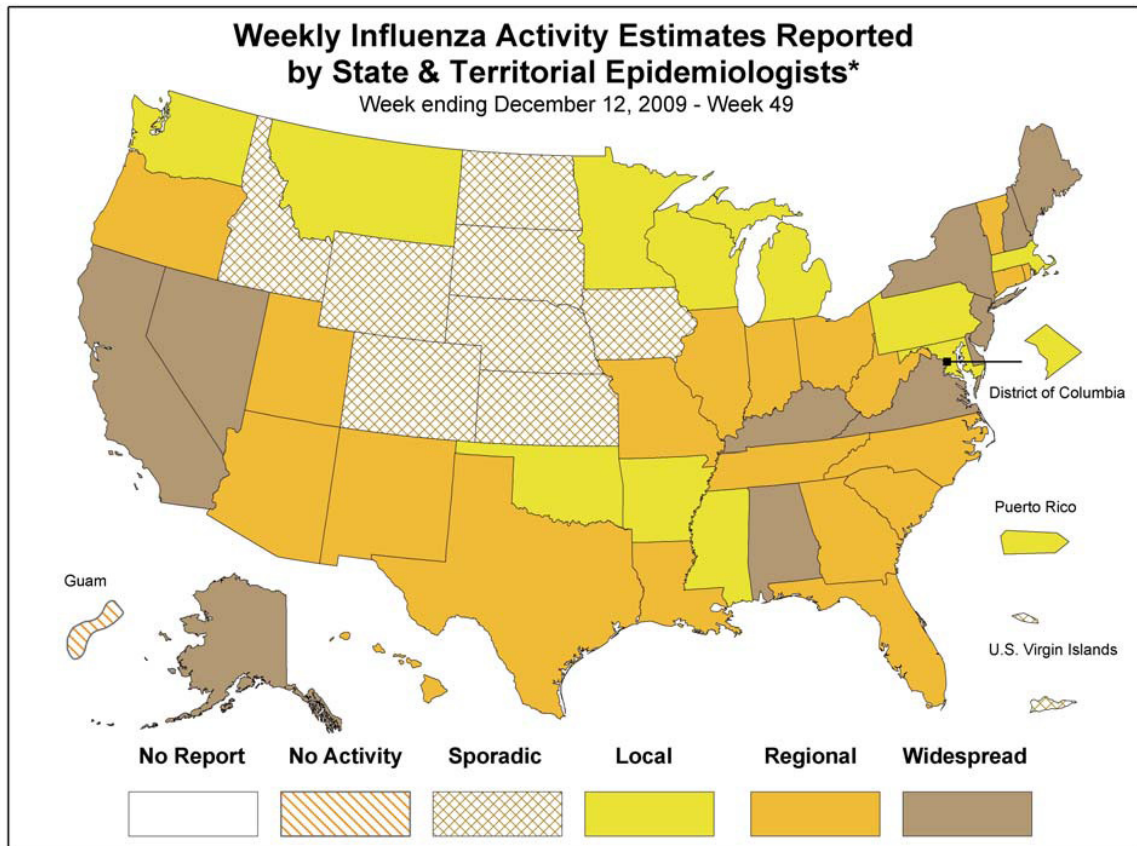
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* This map indicates geographic spread & does not measure the severity of influenza activity

Viral circulation and resistance:

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

- 99.5% of all influenza isolates typed at national reference labs this week were Influenza A:
 - 97.2% of subtyped isolates were 2009 Pandemic A (H1N1)
 - 0.0% were seasonal A (H1)
 - 0.7% were seasonal A (H3)
 - 2.1% 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)

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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)	2,292	1.4%	599	0%	552	99.8%
Seasonal A (H1N1)	1	100%	0	0	1	0
Seasonal A (H3N2)	5	0	0	0	5	100%
Influenza B	1	0	0	0	NA	NA

2009 Pandemic Influenza A (H1N1) Vaccine Information:

- Vaccine allocation has changed somewhat this week making it difficult to report numbers. We will resume reporting next week.
- 2009 Pandemic A H1N1 vaccine continues to arrive in weekly shipments. Check with your Local Health Department or designated health care provider to receive the vaccine. For a listing of local health department websites visit <http://www.ualhd.org/Department/Department.htm>.
- NEW fact sheets and tips from CDC:
 - [UPDATED: What You Should Know and Do this Flu Season If You Are 65 Years and Older](http://www.cdc.gov/h1n1flu/65andolder.htm) (<http://www.cdc.gov/h1n1flu/65andolder.htm>)
 - [Know the Emergency Warning Signs](http://www.cdc.gov/h1n1flu/warningsigns.htm) (<http://www.cdc.gov/h1n1flu/warningsigns.htm>)
 - [Tips to Prevent Fluid Loss \(Dehydration\)](http://www.cdc.gov/h1n1flu/fluidlosstips.htm) (<http://www.cdc.gov/h1n1flu/fluidlosstips.htm>)

Guidance:

New/Updated CDC guidance available at: www.cdc.gov/h1n1flu/whatsnew.htm

- New: Non-Safety-Related Voluntary Recall of Certain Lots of Sanofi Pasteur H1N1 Pediatric (0.25 mL, for 6-35 month olds) Vaccine in Pre-Filled Syringes Questions & Answers. (Posted Tues., Dec. 15, 2009).
- New: Interim Recommendations: Special Considerations for Clinicians Regarding 2009 H1N1 Influenza in **Severely Immunosuppressed Patients**. This includes such conditions as: hematopoietic stem cell transplant recipient receiving anti-rejection medication, solid organ transplant recipient receiving anti-rejection medication, congenital immunodeficiency disorder, chemotherapy for cancer, autoimmune

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conditions and treatments, and chronic corticosteroid use. (Posted Wed., Dec. 16, 2009).

- Updated: Vaccine Information for Clinicians and Health Care Professionals. This posting has information that encourages vaccine providers to open up vaccination to anyone who wants it as soon as the needs of the initial prioritized populations have been met. (Posted Mon., Dec. 21, 2009).
- Update: FDA-Issued rRt-PCR Swine Flu Panel EUA Letter, Fact Sheet for Health Care Providers, and Fact Sheet for Patients. (Posted Mon., Dec. 21, 2009).
- New: Voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza. This is a questions and answers resource regarding the recent non-safety related recall of specific lots of vaccine for the 2009 H1N1 influenza. (Posted Wed., Dec. 23, 2009).

Hospital Data:

- Utah hospitals continue to report an increase in available, staffed hospital beds.
- Ventilator availability continues to increase steadily.
- Hospitals have reported patients utilizing rescue therapies such as ventilators, are all not related to the 2009 Pandemic A (H1N1) strain.

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.