

2009-2010 Influenza Season

(August 30, 2009 – present)

Utah Public Health

Situation Report

2/17/2010

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 06), February 07, 2010 to February 13, 2010.

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 reported in Utah this past reporting week was 1.5%.
- This weeks' ILI rate for Utah of 1.5% is down slightly from the 1.6% reported the previous week.
 - This week's value is slightly above the Utah ILI outbreak threshold of 1.1%.

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 **887*** influenza-associated hospitalizations (IAHs) (due to both seasonal and 2009 pandemic (H1N1) strains) have been reported to public health this influenza season. There were no new IAH cases reported within the last reporting week.
 - *Last week's total IAHs for the influenza season was 889 vs. 887 this week. This decrease in reported IAH cases is due to the fact that two previously reported IAH cases were determined not to be IAH cases.

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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 **27** deaths related to 2009 Pandemic A (H1N1) have been reported to public health this influenza season. No new deaths were reported to public health within the last reporting week.

Circulating strains:

- Laboratory data reported from 02/07/10 to 02/13/10 shows that 15 total specimens were tested for influenza at the Unified State Laboratories: Public Health (formerly the Utah Public Health Laboratory (UPHL)). None of the 15 specimens were positive 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 05), January 31, 2010 to February 6, 2010.

- National ILI levels were reported at 2.1%, this is below the national baseline level of 2.3% for what is expected during this time of year.
- During the past week, widespread influenza activity was reported in 0 states, with regional influenza activity being reported in six states, (see map on next page).
- Nationally, the proportion of deaths attributed to pneumonia and influenza (P&I) during the past week was reported at 7.3%, which is below the epidemic threshold for this time of year (7.8%).

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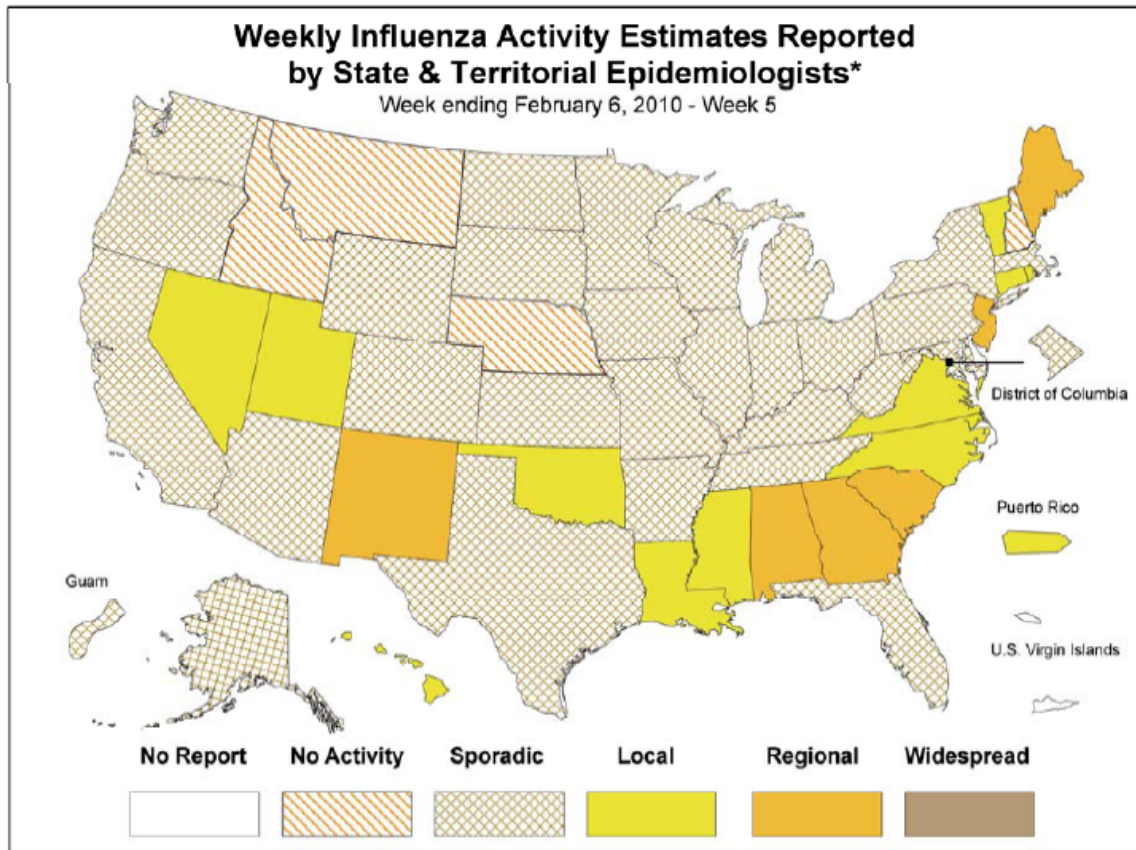
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* This map indicates geographic spread & does not measure the severity of influenza activity

Viral circulation and resistance:

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

- 4.8% (206 of 4,304) of all specimens tested for influenza were positive.
- 99.0% (204 of 206) of all influenza isolates typed at national reference labs this week were Influenza A (breakdown below):
 - 100% of subtyped isolates were 2009 Pandemic A (H1N1)
 - 0% were seasonal A (H1)
 - 0% were seasonal A (H3)
 - Note: 29.4% (60 of 204) of isolates were not subtyped
- 1.0% 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)	3,475	1.4%	1,160	0%	1,191	99.7%
Seasonal A (H1N1)	1	100%	0	0	1	0
Seasonal A (H3N2)	11	0	0	0	11	100%
Influenza B	7	0	0	0	NA	NA

2009 Pandemic Influenza A (H1N1) Vaccine Information:

- Due to the decrease in demand for the H1N1 vaccine and completion of vaccine shipments, H1N1 vaccine distribution information will be discontinued at this time.

Guidance:

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

- No new updated guidance this week.

Hospital Data:

- No reported data this week.

In the News:

- 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.