

Week ending November 7, 2009

National

46 states reported geographically widespread influenza activity.

All subtyped influenza A viruses being reported to CDC were 2009 influenza A (H1N1) viruses.

35 influenza-associated pediatric deaths were reported. 26 of these deaths were associated with 2009 influenza A(H1N1) virus infection, 8 were associated with an influenza A virus for which the subtype was undetermined, and 1 was associated with an influenza B virus infection.

The proportion of deaths attributed to pneumonia and influenza (P & I) was above the epidemic threshold for the sixth consecutive week.

The proportion of outpatient visits for influenza-like illness (ILI) was 6.7% which is above the national baseline of 2.3%. All 10 regions reported ILI above region-specific baseline levels.

State

All indicators of influenza activity have decreased from the previous reporting week. 2009 H1N1 peaked in the week of October 24th and has declined slightly since.

School absences remain above the baseline for illness for the this time of the year, but the number of outbreaks have decreased.

The number of patients hospitalized for H1N1 ranges between 60-90 per week.

No seasonal influenza strains have been confirmed by the University of Iowa Hygienic Laboratory.

Surrounding states have recently reported only a few influenza B cases and seasonal H3N2, other viruses reported include parainfluenza 1 and 2.

According to IDPH news release from 11/18/09, IDPH reported 21 H1N1 fatalities.

- Nearly half(11) of the deaths have occurred in adults aged 25 to 49.
- Five deaths were in the 50 to 64 age range.
- Three deaths were adults ages 18 to 24.
- One death in children age 0 to 18.
- One death in adults greater than age 64.

Two of the H1N1 fatalities had no known underlying risk factors from medical complications. The common risk factors that occurred in the Iowans that died were:

- pulmonary/respiratory conditions
- immune-compromised conditions, including cancer.
- neuromuscular conditions
- diabetes and renal (kidney) disease
- About half of the fatalities were obese or morbidly obese.

H1N1 hospitalizations have occurred in the following age groups of Iowans:

- 5 to 18 years of age –24%
- 25 to 49 years of age –22 %
- 50 to 64 years of age—15%
- 1 to 4 years of age—15%
- Younger than 12 months of age—9%
- Greater than 64 years of age—8%
- 18 to 24 years of age—7%

One percent of hospitalized women were pregnant.

Of the Iowans hospitalized, the most common underlying medical conditions:

- immune-compromised conditions, such as cancer
- respiratory conditions, such as asthma
- neuromuscular conditions
- More than 50 percent of those hospitalized were overweight or obese, which may be associated with medical conditions such as diabetes, which increase the chance of complications from H1N1

Polk County Health Department

As of November 15, PCHD had held 13 clinics and a number of school/community rounds.

As of November 18, Polk County had received 66,500 doses of vaccine. About 45% of the supplies have been used by the Department for mass vaccination clinics and 45% has been distributed to 126 community partners.

Polk County Health Department will begin providing H1N1 vaccinations to eligible people on a walk-in basis at Moore Elementary School, 3725 52nd Street, Des Moines IA beginning on Thursday, November 19th. Clinic Hours will be Monday-Friday, 11am-6pm and 10am-1pm on Saturday. There will be no charge for the vaccinations.

People eligible to be vaccinated are:

- pregnant women
- people who live with or care for children younger than 6 months of age
- health care and emergency medical services personnel with direct patient contact diagnosing and treating patients with flu-like illness or direct contact with patients at high risk for influenza
- children 6 months through 4 years of age
- People ages **5 through 64 years of age** who have chronic medical conditions, such as asthma, diabetes, lung or heart disease, chronic liver or kidney disease, or are immune-compromised because of cancer treatment or HIV.
- Children under the age of 10 who have already received their initial H1N1 vaccination

Only one school reported over 10% children absent this week.

