

# FLUBYTES



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## 2010-2011 INFLUENZA SEASON

### INFLUENZA JOURNAL ARTICLES

Two influenza-related studies were recently published in the *Archives of Pediatric and Adolescent Medicine*:

[Maternal Flu Vaccination and Effect on Flu Virus Infection in Young Infants](#). The objective of the study was to assess the effect of seasonal influenza vaccination during pregnancy on laboratory-confirmed influenza in infants to 6 months of age. The sample was a total of 1169 mother-infant pairs. Among infants, 193 (17%) had an ILI hospitalization, 412 (36%) had only an ILI outpatient visit, and 555 (48%) had no ILI episodes. There was a 41% reduction in the risk of laboratory-confirmed influenza virus infection (relative risk, 0.59; 95% confidence interval, 0.37-0.93) and a 39% reduction in the risk of ILI hospitalization (relative risk, 0.61; 95% confidence interval, 0.45-0.84) for infants born to influenza-vaccinated women compared with infants born to unvaccinated mothers. Infants born to influenza-vaccinated women had significantly higher hemagglutinin inhibition antibody titers at birth and at 2 to 3 months of age than infants of unvaccinated mothers for all 8 influenza virus strains investigated.

### [Effects of Adverse Events on the Projected Population Benefits and Cost-effectiveness of Using Live Attenuated Influenza Vaccine in Children Aged 6 Months to 4 Years](#)

This study found that live attenuated influenza vaccine had comparable cost-effectiveness compared with IIV for children younger than 5 years under a wide range of assumptions about the incidence of adverse events.

### FLU UPDATES - IN THE NEWS

If you missed the National Foundation for Infectious Disease (NFID) Annual Influenza/Pneumococcal News Conference it is archived along with resources [here](#).

Related news article: [Top flu officials make strong case for vaccination](#)

### ADDITIONAL NEWS

[Can Hospitals Require Employees to Get the Flu Vaccine?](#)

[Kids With Allergies Shouldn't Skip Flu Shots, Experts Say](#)

[Get shots, information at Say 'Boo' to the Flu event Come With A Grocery List, Leave With A Flu Shot](#)

[BARDA Grants Help Build Global Flu Vaccine Manufacturing Capacity](#)

[Trial answers some, not all, questions on cell-based flu vaccines](#)

### INFLUENZA-RELATED MORBIDITY AND MORTALITY WEEKLY REPORTS (MMWR):

#### [Seasonal Influenza Vaccination Coverage Among Children Aged 6 Months-18 Years](#)

Reporting in the Oct 8 issue of *MMWR*, CDC researchers, studying data from eight immunization information system sentinel sites (including Michigan), said that the percentage of children receiving at least one dose of seasonal flu vaccine climbed from 20.8% in 2008-09 to 26.3% in 2009-10. This was the first year for which the vaccine was recommended for all children older than 6 months.

#### [Influenza Activity -United States and Worldwide, June 13-September 25, 2010](#)

From June 13 to September 25, 2010, the United States experienced low levels of influenza activity. During this period, typical seasonal patterns of influenza activity occurred in the Southern Hemisphere; in addition, influenza activity was observed in the tropical regions, with a mix of 2009 influenza A (H1N1), influenza A (H3N2), and influenza B viruses cocirculating. This report summarizes influenza activity in the United States and worldwide since the update published on July 30, 2010.

#### [Final Estimates for 2009-10 Seasonal Influenza and Influenza A \(H1N1\) 2009 Monovalent Vaccination Coverage - United States, August 2009 through May, 2010.](#)

- National 2009-10 seasonal flu vaccination coverage among all persons aged  $\geq 6$  months in the United States was 41.2%
- Nationally, among all persons aged  $\geq 6$  months, 2009 H1N1 vaccination coverage was 27.0%

### 2009 H1N1

The following article was published in *PLoS Medicine*: ["Reflections on Pandemic \(H1N1\) 2009 and the International Response"](#)

### FLU RESOURCES

Currently flu materials are being updated for the 2010-11 influenza season. Stay up-to-date with:  
MDCH: [www.michigan.gov/flu](http://www.michigan.gov/flu)  
CDC: [www.cdc.gov/flu](http://www.cdc.gov/flu)  
HHS: [www.flu.gov](http://www.flu.gov)

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