



Michigan Department of Community Health, 201 Townsend Street, Lansing, MI 48913

## 2009 H1N1 VACCINE UPDATES

To estimate 2009 H1N1 vaccination coverage, CDC analyzed results from the National 2009 H1N1 Flu Survey (NHFS) and the Behavioral Risk Factor Surveillance System (BRFSS) survey, conducted during December 27, 2009-January 2, 2010, and December 1-27, 2009, respectively. The results indicated that, as of January 2, an estimated 20.3% of the U.S. population (61 million persons) had been vaccinated, including 27.9% of persons in the initial target groups and 37.5% of those in the limited vaccine subset. An estimated 29.4% of U.S. children aged 6 months-18 years had been vaccinated. Now that an ample supply of 2009 H1N1 vaccine is available, efforts should continue to increase vaccination coverage among persons in the initial target groups and to offer vaccination to the rest of the U.S. population, including those aged  $\geq 65$  years. The full MMWR can be found [here](#).

On January 13, 2010 the [US Food and Drug Administration](#) posted the following documents:

- [Influenza A \(H1N1\) 2009 Monovalent Vaccine Live, Intranasal Questions and Answers](#)
- [Influenza A \(H1N1\) 2009 Monovalent Vaccines Composition and Lot Release](#)
- [Influenza Virus Vaccine for the 2009-2010 Season: Cumulative 2009/2010 Season Lot Release Status \(Updated 1/13/2010\)](#)

### New Guidance

On January 13, CDC posted a new Q&A document: [Fraud and Abuse Related to 2009 H1N1 Influenza Vaccine](#)

On January 11, the following letter was posted by Thirty-seven US health groups: [Open Letter to the American People about the H1N1 Flu Vaccine](#)

### Recent News

[U.S. surgeon general urges Detroiters to get H1N1 vaccine](#)

[Experts press for better H1N1 vaccine uptake in risk groups](#)

[As Demand Wanes For Swine Flu Vaccine, Questions Rise On Unfilled Orders](#)

[Groups Push for Healthcare Workers to Get H1N1 Vaccination](#)

## MANDATORY FLU VACCINATION

In the January 11 online issue of [Clinical Infectious Diseases](#), researchers concluded that a mandatory influenza vaccination campaign successfully increased vaccination rates.

## EPIDEMIOLOGY OF 2009 H1N1

### Journal Articles

In a recent [Emerging Infectious Diseases](#) article, researchers demonstrate that the novel pandemic influenza (H1N1) viruses have human virus-like receptor specificity and can no longer replicate in aquatic waterfowl, their historic natural reservoir. The biological properties of these viruses are consistent with those of their phylogenetic progenitors, indicating longstanding adaptation to mammals.

### Recent News

[Up to 80 million Americans infected with H1N1 - CDC](#)

## INTERNATIONAL NEWS - 2009 H1N1

### Journal Articles

Also in a recent article in [Emerging Infectious Diseases](#) researchers describe clinical and virologic characteristics of pandemic (H1N1) 2009 in Buenos Aires, Argentina, by conducting real-time reverse transcription-PCR on samples from patients with influenza-like illness, June 11-30, 2009. Of 513 patients tested, 54% were positive for influenza virus subtype H1N1. Infection rate was lowest for patients  $>60$  years of age.

### Recent News

[WHO, Vaccine Group Deny Pandemic Scare Charges](#)

[China issues swine flu travel warning for Lunar New Year](#)

[Swine Flu Caused Permanent Lung Damage in Some](#)

[Poland stands alone in refusing swine flu vaccines](#)

[Easing H1N1 pandemic may let in new flu viruses](#)

## CLINICAL UPDATES - 2009 H1N1

### Journal Articles

In the online edition of the January 13 *British Medical Journal* the following letter was published: "[Life threatening infections labelled swine flu.](#)" In the article Catherine Houlihan and colleagues reviewed eight cases of potentially life threatening conditions where diagnosis and management were delayed because of an initial incorrect diagnosis of 2009 H1N1.

### Recent News

[Rheumatoid Arthritis Drug Lowers Flu Shot Effectiveness](#)

[H1N1 Four Times as Deadly for Natives](#)

## ANTIVIRAL TREATMENT - 2009 H1N1

### Journal Articles

The following case study was published January 11, 2010 in *The Medical Journal of Australia*:

["Oseltamivir-resistant pandemic \(H1N1\) 2009 influenza in a severely ill patient: the first Australian case."](#)

## INFECTION CONTROL - 2009 H1N1

### Journal Articles

The following case study was published January 11, 2010 in *The Medical Journal of Australia*:

["Infection control of pandemic \(H1N1\) 2009 influenza in hospitals – a logistic challenge"](#)

## ANIMAL CONTACTS - 2009 H1N1

### Journal Articles

In June-July 2009, an outbreak of pandemic (H1N1) 2009 infection occurred on a pig farm in Argentina. Molecular analysis indicated that the virus was genetically related to the pandemic (H1N1) 2009 influenza virus strain. The outbreak presumably resulted from direct human-to-pig transmission. On January 11, an article on this outbreak was published in the journal [Emerging Infectious Diseases](#).

FluBytes is distributed to MDCH flu partners for informational and communication purposes. Please feel free to distribute widely. An archived list of past FluBytes issues can be found [here](#).

To access the latest edition of Mi Flu Focus, click [here](#).

## FLU RESOURCES

The Immunization Action Coalition (IAC) January 2010 special edition of Vaccinate Adults is now [online](#) and available. Comprising both seasonal and H1N1 influenza information, this special issue focuses on vaccine recommendations and patient education.

### Upcoming Meetings & Events:

The National Influenza Vaccine Summit (NIVS) is soliciting candidates for the [2010 NIVS Immunization Excellence Awards](#). The 2010 awards recognize individuals and organizations that have made extraordinary contributions towards improved adult, and/or childhood influenza vaccination rates within their communities.

The next NCIRD live Net Conference will cover the 2010 U.S. immunization schedules for children and adults from noon to 1PM ET on January 28. William Atkinson, MD, MPH, will speak on "What's New on the Child and Adolescent Immunization Schedules," and Caro Friedman, DO, will address "What's New on the Adult Immunization Schedule." Dr. Andrew Kroger will moderate. Participation in the Q&A section of the program is available by phone and Internet. This is a limited-entry event. [Registration](#) will close on January 26 or when the course is full.

On February 22, 2010, the [Vaccines and Related Biological Products Advisory Committee](#) will discuss and make recommendations on the selection of strains to be included in the influenza virus vaccine for the 2010-2011 influenza season.

[2010 National Influenza Vaccine Summit](#) tentatively set for May 17-20, 2010 in Phoenix, Arizona

## FLU WEBSITES

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)

WHO:

<http://www.who.int/csr/disease/swineflu/en/index.html>