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For additional flu information visit: [www.michigan.gov/flu](http://www.michigan.gov/flu)

## Novel H1N1 Flu Situation Update

**INTERNATIONAL:** According to the World Health Organization (WHO), as of May 29, 2009, 53 countries have officially reported 15,510 cases of novel influenza A(H1N1) infection, including 99 deaths. For a breakdown of cases throughout the world, click [here](#).

**UNITED STATES:** As of May 29, 2009, the Centers for Disease Control and Prevention (CDC) is reporting 8,975 cases in 49 states and the District of Columbia (D.C.), including 15 deaths. For more information visit the CDC [website](#).

**MICHIGAN:** there have been 233 confirmed cases as of May 28, 2009. For further information, visit Michigan's novel H1N1 flu website at [www.michigan.gov/h1n1flu](http://www.michigan.gov/h1n1flu).

## Production of Novel H1N1 Flu Vaccine

HHS Secretary Kathleen Sebelius announced on May 22, 2009 that the department will take important steps necessary to prepare for potential commercial-scale production of a candidate vaccine for the novel Influenza A (H1N1). The Secretary is directing approximately \$1 billion in existing funds that will be used for clinical studies that will take place over the summer and for commercial-scale production of two potential vaccine ingredients for the pre-pandemic influenza stockpile. For the full press release, click [here](#).

Click on the following links to read recent articles related to vaccine production:

[2009-H1N1 Influenza Vaccine Development Next Steps](#)

[Science close to H1N1 vaccine](#)

[Swine Flu Strain From California Recommended by WHO for Vaccine](#)

[U.S. considering emergency use of booster in H1N1 vaccine](#)

## Recent News

Click any of the following titles to read recent articles on novel influenza A (H1N1):

[As Flu Retreats, Scientists Brace for Its Return](#)

[Geographic Dependence, Surveillance, and Origins of the 2009 Influenza A \(H1N1\) Virus](#)

[Managing and Reducing Uncertainty in an Emerging Influenza Pandemic](#)

## Antigenic and Genetic Characteristics of Swine-Origin 2009 A(H1N1) Influenza Viruses Circulating in Humans

Since its identification in April 2009 an A(H1N1) virus containing a unique combination of gene segments from both North American and Eurasian swine lineages has continued to circulate in humans. The lack of similarity between the 2009 A(H1N1) virus and its nearest relatives indicates that its gene segments have been circulating undetected for an extended period. Its low genetic diversity suggests the introduction into humans was a single event or multiple events of similar viruses. Molecular markers predictive of adaptation to humans are not currently present in 2009 A(H1N1) viruses, suggesting previously unrecognized molecular determinants could be responsible for the transmission among humans. Antigenically the viruses are homogeneous and similar to North American swine A(H1N1) viruses but distinct from seasonal human A(H1N1). To view this abstract, click [here](#).

## CDC Says Flu Infections Slowing in Most of U.S.

The new H1N1 influenza strain may have peaked in the United States, now that most parts of the country are reporting that doctor visits for influenza-like illnesses have fallen below the national baseline, according to Centers for Disease Control and Prevention official Anne Schuchat. The circulation of the flu virus may have been limited by the warmer weather last week. Still, states in New England as well as New York and New Jersey are reporting "elevated" levels H1N1 influenza activity compared to the amount of seasonal flu usually reported in May. To read the article in its entirety, click [here](#).

## Resources

Michigan's H1N1 influenza web page: [www.michigan.gov/h1n1flu](http://www.michigan.gov/h1n1flu)

CDC's H1N1 influenza web page: [www.cdc.gov/H1N1flu](http://www.cdc.gov/H1N1flu)

FDA's Center for Biologics Evaluation and Research (CBER) H1N1 influenza web page: <http://www.fda.gov/cber/flu/H1N1.htm>

Immunization Action Coalition H1N1 influenza web page: <http://www.immunize.org/h1n1/>

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