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For additional flu information visit: www.michigan.gov/flu

Dynasty: Influenza Virus in 1918 and Today

The influenza virus that wreaked worldwide havoc in 1918-1919 founded a viral dynasty that persists to this day, according to scientists from the National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health. In an article published online on June 29 by the New England Journal of Medicine, authors Anthony S. Fauci, M.D., Jeffery K. Taubenberger, M.D., Ph.D., and David M. Morens, M.D., argue that we have lived in an influenza pandemic era since 1918, and they describe how the novel 2009 H1N1 virus now circling the globe is yet another manifestation of this enduring viral family. To read this article, click [here](#).

Recent News

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

[Doctors warn against 'swine flu parties'](#)

[CDC: U.S. may need 600 million swine flu vaccine doses](#)

[CDC Say Tamiflu Still Works on Swine Flu](#)

[Joint Commission Offers Seasonal Flu Immunization Strategies](#)

[GAO: Agencies unprepared for pandemic](#)

[Novavax Wins Flu Vaccine Deal in Spain; Shares Surge](#)

[Elderly, kids urged to skip hajj over swine flu](#)

[Brazil finds new strain of H1N1 virus](#)

Pandemic Influenza H1N1 Epidemiology Update

INTERNATIONAL: On June 11, 2009 The World Health Organization (WHO) declared "the world is now at the start of the 2009 influenza pandemic." According to WHO, as of July 1, 2009, there are officially 77,201 reported cases of novel influenza A(H1N1) infection, including 332 deaths. For a breakdown of cases throughout the world, click [here](#).

UNITED STATES: As of June 25, 2009, the Centers for Disease Control and Prevention (CDC) is reporting 27,717 cases, including 127 deaths in 53 states including the District of Columbia (D.C.), Puerto Rico, and U.S. Virgin Islands. For more information visit the CDC [website](#).

MICHIGAN: There have been 655 confirmed and probable cases as of June 13, 2009 and 7 deaths as of July 1, 2009. For further information, visit Michigan's H1N1 flu website at www.michigan.gov/h1n1flu.

Severe Respiratory Disease Concurrent with the Circulation of H1N1 Influenza

Researchers recently compared the age distribution of patients who were reported to have severe pneumonia with that during recent influenza epidemics to document an age shift in rates of death and illness. During the early phase of this influenza pandemic, there was a sudden increase in the rate of severe pneumonia and a shift in the age distribution of patients with such illness, which was reminiscent of past pandemics and suggested relative protection for persons who were exposed to H1N1 strains during childhood before the 1957 pandemic. If resources or vaccine supplies are limited, these findings suggest a rationale for focusing prevention efforts on younger populations. To read this article, click [here](#).

Spread of Novel Influenza A(H1N1) Virus via Global Transportation

In a recent study published in the New England Journal of Medicine (NEJM), the flight itineraries for all passengers departing from commercial airports in Mexico between March and April 2008 were analyzed. The purpose of this analysis was to show how travelers – and consequently to predict how H1N1 – would disseminate worldwide during the initial wavefront of this epidemic. The study revealed that countries receiving more than 1400 passengers from Mexico were at a significantly elevated risk for importation. The findings suggest that quantitative analysis of worldwide air-traffic patterns can help cities and countries around the world better anticipate their risks of importing global infectious diseases. To read this article, click [here](#).

Resources

Michigan's H1N1 influenza web page:
www.michigan.gov/h1n1flu

CDC's H1N1 influenza web page: www.cdc.gov/H1N1flu

World Health Organizations H1N1 web page:
<http://www.who.int/csr/disease/swineflu/en/index.html>

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

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