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EPIDEMIOLOGY OF 2009 H1N1

Another month's worth of data on H1N1 influenza has led federal officials to more than double their [estimates of total cases](#), hospitalizations, and deaths and to assert that the impact on children and younger adults has been far greater than that of a typical flu season.

Related articles:

[Questions & Answers: 2009 H1N1 Flu In The News](#)

[CDC sharply raises H1N1 case estimates; kids hit hard](#)

[CDC: About 1 in 6 Americans Have Had Swine Flu](#)

JOURNAL ARTICLES

PloS Medicine recently published: "[The Severity of Pandemic H1N1 Influenza in the United States, from April to July 2009: A Bayesian Analysis](#)". Key points from this article are included with this version of FluBytes.

In CDC's current MMWR, the following article was published: "[Deaths Related to 2009 Pandemic Influenza A \(H1N1\) Among American Indian/Alaska Natives --- 12 States, 2009](#)."

In an early online release of the journal *PNAS*, researchers at the University of California, Berkeley, say the 2009 H1N1 virus used a new strategy to jump to humans.

RECENT NEWS

[ACHA Pandemic Influenza Surveillance: Influenza Like Illness \(ILI\) in Colleges and Universities](#)

SEASONAL & 2009 H1N1 VACCINE UPDATES

NEW GUIDANCE

On December 10, 2009 CDC posted: [2009 H1N1 and Seasonal Flu and African American Communities: Questions and Answers](#)

IN THE NEWS

[The Long-Term Evidence for Vaccines](#)

[NIAID Trial of 2009 H1N1 Influenza Vaccine Enrolling HIV-Positive Adults](#)

[Drugstores Aim To Become Major H1N1 Vaccine Providers](#)

2009 H1N1 INFLUENZA VACCINE SUPPLY STATUS
The 2009 H1N1 vaccine [supply and distribution data](#) is posted every Friday.

DON'T FORGET TO USE IVEN FOR PRIVATE STOCK SEASONAL INFLUENZA VACCINE!

The early demand for seasonal vaccine, coupled with supply-side challenges, has led many providers to post a need for seasonal influenza vaccine on IVEN. Long-term care facilities have had a particularly challenging time getting the seasonal flu vaccine that they need for their vulnerable populations. Seasonal influenza viruses are circulating at very low levels currently, but could increase at any time. If you have private stock seasonal influenza vaccine that you are unable to use, please be sure to post the doses on IVEN so that they do not go to waste. IVEN can be accessed from the MCIR home screen under 'Other'. More information is available [here](#).

FLU ANTIVIRALS

GUIDANCE

On December 7, 2009 CDC updated the following: [Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season](#)

JOURNAL ARTICLES

The *British Medical Journal* published, "Neuraminidase inhibitors for preventing and treating influenza in healthy adults: systematic review and meta-analysis" in their December 8, online edition.

Related news article: [Reports probe Tamiflu benefits, call for clinical data transparency](#)

Related articles in *BMJ*:

- [Complications: tracking down the data on oseltamivir](#)

- [What can we learn from observational studies of oseltamivir to treat influenza in healthy adults?](#)

- [Why don't we have all the evidence on oseltamivir?](#)

On December 4, 2009 CDC's *Emerging Infectious Diseases* published an online article: "Oseltamivir- and Amantadine-Resistant Influenza Virus A (H1N1)"

On December 9, 2009 *The New England Journal of Medicine* published: "[A Community Cluster of Oseltamivir-Resistant Cases of 2009 H1N1 Influenza](#)"

INTERNATIONAL NEWS - 2009 H1N1

In its [global pandemic update](#), the WHO said today that flu activity has peaked in the United States, Canada, and some parts of Europe, but is increasing in central Europe, Russia, and some parts of western and central Asia. Respiratory illness activity is also intensifying in southern parts of China and Japan, as well as northwestern parts of India, Nepal, Sri Lanka, and Cambodia. In Africa the pandemic virus is cocirculating with the seasonal H3N2 strain.

JOURNAL ARTICLES

On December 10, 2009 *Eurosurveillance* published the following article: [“Prolonged Shedding of Influenza A\(H1N1\)V Virus: Two Case Reports from France - 2009”](#)

Using [lab-confirmed cases](#) in the first 2 months of the H1N1 pandemic in Ontario, researchers estimated the basic reproductive number for the illness at a relatively low 1.31, according to the *Canadian Medical Association Journal*. The risk of hospital admission was estimated at 4.5% and the case-fatality rate at 0.3%.

RECENT INTERNATIONAL NEWS ARTICLES:

[Vaccine Shortage in Emerging Nations May Pose Threat](#)

[Skepticism on Swine Flu's Danger Limits European Vaccine Demand](#)

[South Korean president offers swine flu aid to North Korea amid reported deaths](#)

CLINICAL JOURNAL ARTICLES

On December 4, 2009 CDC's *Emerging Infectious Diseases* published an online article: "Severe Pneumonia Associated with Pandemic (H1N1) 2009 Outbreak, San Luis Potosí, Mexico"

PloS Medicine recently published: [“Early Assessment of Anxiety and Behavioral Response to Novel Swine-Origin Influenza A\(H1N1\).”](#)

CLINICAL NEWS

[New York Autopsies Show 2009 H1N1 Influenza Virus Damages Entire Airway](#)

[Illinois: Minorities' death rate for H1N1 is twice whites'](#)

[H1N1 More Risky Than Seasonal Flu in Children with Sickle Cell Disease](#)

FLU RESOURCES

HHS LAUNCHES FLU VACCINATION ADS

HHS and the Advertising Council today launched a new [public service advertising campaign](#) to encourage pregnant women, children, young adults, and other priority groups to get the pandemic H1N1 vaccine. The campaign features five television ads, three radio spots, and online and outdoor ads created pro bono by the agency Merckley + Partners, according to HHS.

GOOGLE VACCINE LOCATOR TOOL

In the last few weeks, Google Inc. in corporation with CDC, the American Lung Association and HHS launched a [flu vaccine locator](#) service, based on its Google Maps feature. In the coming days, Flu.gov will prominently feature the Vaccine Locator look-up tool. Patients looking for seasonal or H1N1 influenza vaccine can search for sites close to the address they enter on the flu vaccine locator web page. If you are a health care provider and would like to enter your clinic information, the [American Lung Association](#) provides directions on how to do so.

Upcoming Meetings & Events:

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

This year's [National Influenza Vaccination Week](#) (originally scheduled for December 6-10, 2009) is being rescheduled for January 10-16, 2010.

FLU WEBSITES

MDCH: www.michigan.gov/flu

CDC: www.cdc.gov/flu

HHS: www.flu.gov

WHO:

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

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