

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of October 21, 2009 at 4pm

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Literature -----

BMJ: [Only 12% of Germans say they will have H1N1 vaccine after row blows up over safety of adjuvants](#)

PIDJ: [Melting Muscles: Novel H1N1 Influenza A Associated Rhabdomyolysis.*](#)

EID: [Extracorporeal Membrane Oxygenation for Pandemic \(H1N1\) 2009](#)

AJPM: [Novel Influenza A \(H1N1\) Outbreak at the U.S. Air Force Academy. Epidemiology and Viral Shedding Duration](#)

[Non-invasive management of acute respiratory distress syndrome related to Influenza A \(H1N1\) virus pneumonia in a pregnant woman](#)

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[CDC: H1N1 Flu Still Hits the Young Hardest](#)

[FDA Expands Flu Vaccine Indication](#)

[Botanical cure for Swine Flu available, says Indus Biotech](#)

[California nurses may strike over swine flu preparation](#)

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[Ontario Ministry of Health and Long-Term Care \(MOHLTC\)](#)
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Canada

[Public Health Agency of Canada \(PHAC\)](#)

United States

[Centers for Disease Control and Protection \(CDC\)](#)
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[Other US Sources](#)

Europe

[United Kingdom's Health Protection Agency \(HPA\)](#)
[UK Department of Health](#)
[European Centre for Disease Control and Prevention \(ECDC\)](#)
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International

[World Health Organization \(WHO\)](#)
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Events

Current / Upcoming

- [FEB 3-5] [International Symposium on Neglected Influenza Viruses](#)
February 3-5, 2010 | Amelia Island, Florida
Sponsor: International Society for Influenza and other Respiratory Virus Diseases
Contact:
Gregory C. Gray, MD, MPH | Phone: (319) 384-5008 | gregory-gray@uiowa.edu
- [OCT 21] **COCA Cal: Pandemic Influenza A (H1N1) in Critically Ill Pediatric Patients**
Speakers: Dr. Sunny Anand, Dr. Emily Dobyons, Dr. Jaime Fergie and Dr. Tim Uyeki

PowerPoint Presentation:
[http://emergency.cdc.gov/coca/ppt/102109%20Pandemic%20Influenza%20A%20\(H1N1\)%20in%20Critically%20Ill%20Pediatric%20Patients%20CE.pps](http://emergency.cdc.gov/coca/ppt/102109%20Pandemic%20Influenza%20A%20(H1N1)%20in%20Critically%20Ill%20Pediatric%20Patients%20CE.pps)
- [OCT 20] **COCA Call: A flu update and tools to help you treat and triage your patients**
Speakers: Dr. Tim Uyeki, Dr. Phil Peters, Dr. Alex Kallen, and Dr. Georgina Peacock

Date and time: Tuesday, October 20, 2009 from 3:00 -4:00 PM ET

Archived

- [OCT 07] COCA Conference Call: [H1N1 Pediatrics Update and Overview of CDC's Child Care Guidance](#).
- [ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)
- September 8: Rear Admiral Anne Schuchat (CDC) gives a briefing on updated recommendations on the use of antivirals as well as an update on the H1N1 (swine) flu.
- [ARCHIVED] [Know what to do about the flu](#) : webcast series from the U.S flu.gov
- September 9: Parents and Child Care Providers

Ministry of Health and Long-Term Care (MOHLTC)



- [OCT 21] [Ontario Will Offer H1N1 Vaccine On October 26](#)
Beginning the week of Oct. 26, adjuvanted H1N1 flu vaccine will be offered to all Ontarians that need and want it, starting with:
- People 65 and under with chronic conditions;
 - Pregnant women;
 - Healthy children 6 months to under five years of age;
 - People living in remote or isolated communities;
 - Health care workers; and
 - Household contacts and care providers of persons at high risk who cannot be immunized or may not respond to vaccine.

[OCT 19] [Ontario Influenza Bulletin: Surveillance Week 40 \(Oct 4 – Oct 10\)](#)

For the surveillance period of October 4 to October 10, 2009:

- Influenza activity in Ontario was higher compared to the previous week.
- Slightly more patients reporting influenza-like symptoms consulted sentinel physicians this week than the previous week.
- The rate of influenza-like illness (ILI) in patients seen by sentinel physicians continues to be above the average rate expected at this time of year.
- One health unit reported widespread influenza activity and three health units reported localized influenza activity for the current reporting week. 20 health units reported sporadic influenza activity.
- There are 4,221 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

As of October 14:

- 25 deaths have been reported among confirmed H1N1 cases.
- 19 people who have the H1N1 flu virus were in hospital as of 8:30 a.m. on October 14, a number of whom have underlying medical conditions. 388 other people have been hospitalized and have since been discharged.
- More hospitalized cases were reported this week compared to last week. No new deaths among cases were reported this week.

[OCT 16] [Ontario Takes Additional Steps To Reduce H1N1 Transmission](#)

- Emergency Departments [Guidance Document](#)
- Ambulatory Care Settings [Guidance Document](#)
- Long-Term Care Settings [Guidance Document](#)
- Pharmacies [Guidance Document](#)

[ARCHIVED] [Previous MOHLTC updates and news conference video footage](#)

Important Health Notices



[OCT 14] [H1N1 Update, October 14](#)

Ontario Agency for Health Protection and Promotion (OAHP)

[OCT 06] [Weekly Synthesis of Surveillance Information, Literature & Government Updates](#) (week ending Oct 2nd, 2009)

[SEP 22] [Laboratory Surveillance Report September 22nd](#)

[ARCHIVED] [Swine influenza outbreak page](#)

Public Health Agency of Canada (PHAC)

PHAC issues national updates on H1N1-associated deaths on Tuesdays and Thursdays at 4 pm, and will report regularly on any unusual outbreaks or clusters of illness.



[OCT 21] [Health Canada Approves Pandemic H1N1 Flu Vaccine for Canadians](#)



- [OCT 20] [Deaths Associated with H1N1 Flu Virus in Canada](#) [as of Oct 20]
- [OCT 18] [Media Update on the H1N1 Flu Virus](#)
- [OCT 15] [Media Update on H1N1 Laboratory at the British Columbia Centre for Disease Control \(BCCDC\)](#)
- [OCT 16] [Deaths Associated with H1N1 flu virus in Canada](#) [as of Oct 15]
- [OCT 15] [Frequently Asked Questions - H1N1 Flu Virus](#)
- [OCT 14] [Government of Canada Supports Scientific Research to Deepen Knowledge of H1N1 Flu Virus](#)
- [OCT 14] [Regulation of H1N1 vaccine](#)
- [OCT 16] [FluWatch findings for Week 36 \(week ending Oct 10\)](#)
- The overall influenza activity has increased for a fourth consecutive week. The national ILI consultation rate and the proportion of positive tests for influenza were quite high compared to the previous weeks. The total number of influenza outbreaks was lower than last week but still high for this time of the year with 28 influenza outbreaks.
 - BC had particularly high influenza activity this week with more than 30% of positive influenza tests and 17 influenza outbreaks. NT was also affected with their two regions reporting widespread activity and 8 outbreaks.
 - This week, approximately 97% of the positive influenza A subtyped specimens were Pandemic (H1N1) 2009, and the remainder were seasonal A (H1N1).
 - The intensity of Pandemic (H1N1) 2009 in the population was moderate with thirty-seven hospitalizations and two deaths reported this week. Hospitalized cases were reported from BC, AB, ON, QC and NT while the deaths were from BC and ON. As of October 10, 2009, a total of 1,541 hospitalized cases including 299 cases admitted to an intensive care unit (ICU) and 158 cases required ventilation as well as 80 deaths had been reported since the beginning of the pandemic.
 - A third case of oseltamivir resistant Pandemic (H1N1) 2009 case was reported this week from the province of Ontario.
 - The influenza activity remained elevated in the U.S. for a sixth consecutive week.

[ARCHIVED] [Previous PHAC documents and updates](#)

Centers for Disease Control and Prevention (CDC) and US Department of Health and Human Services

CDC Reports The Total Number Of H1n1 Hospitalizations And Deaths Each Friday.



[OCT 21] [Mixing Tamiflu Capsules with Liquids for children who cannot swallow capsules](#)



[OCT 20] [Antiviral Safety Information](#)

This page will be updated periodically with new antiviral safety-related information as it becomes available.



- [OCT 20] [10 FAQs for immunization programs and providers](#)
Top 10 frequently asked questions on the use of the 2009 H1N1 vaccines: Practical considerations for immunization and programs and providers.

- [OCT 19] [Flyer: Fight Flu - For First Responders](#)
If you are part of a first response team, you already know how important your job is. Did you know you're recommended to get 2009 H1N1 influenza (sometimes called ?swine flu?) and seasonal flu vaccines?

- [OCT 19] [Flyer: Flu can harm you and your baby. Vaccination can Protect You Both!](#)
Flu can harm you and your baby. Vaccination can Protect You Both!

- [OCT 19] [Planning Guide for Vaccinating Pediatric Patients Against 2009 H1N1 Influenza in Primary Healthcare Settings](#)
Purpose of this document: To provide guidance for planning and conducting 2009 H1N1 influenza vaccination of pediatric patients in primary healthcare settings.

- [OCT 19] [Questions and Answers: Opening and Mixing Tamiflu Capsules with Liquids if Child Cannot Swallow Capsules](#)
This document contains questions and answers about how to open and mix Tamiflu capsules if a child cannot swallow capsules. Tamiflu capsules may be opened and mixed with sweetened liquids, such as regular or sugar-free chocolate syrup and given that way.

- [OCT 19] [CDC Health Alert Network \(HAN\) Info Service Message: Recommendations for Early Empiric Antiviral Treatment in Persons with Suspected Influenza who are at Increased Risk of Developing Severe Disease](#)
The 2009 pandemic H1N1 influenza virus continues to be the dominant influenza virus in circulation in the U.S. The benefit of antiviral treatment is greatest when it is initiated as early as possible in the clinical course.

- [OCT 19] [2009-2010 Influenza Season Triage Algorithm for Children \(18 Years or Younger\) with Influenza-like Illness \(PDF\)](#)

- [ARCHIVED] [Previous CDC documents and updates](#)

Other US Sources

- [OCT 16] [NIOSH Statement: Risk of Serious Illness Among Healthcare Personnel Associated With 2009 H1N1 Influenza: What Is NIOSH Learning?](#)

- [OCT 15] [NIOSH Science Blog: N-95 Respirators and Surgical Masks](#)

- [OCT 14] [Respiratory Protection for Healthcare Workers in the Workplace Against Novel H1N1 Influenza A: A Letter Report.](#)
Liverman CT, Harris TA, Rogers BME, Shine KI, Editors. Institute of Medicine; 2009.
- [OCT 14] [Guidance for Establishing Crisis Standards of Care for Use in Disaster Situations: A Letter Report](#)
Altevogt BM, Stroud C, Hanson SL, Hanfling D, Gostin LO, Editors; Committee on Guidance for Establishing Standards of Care for Use in Disaster Situations; Institute of Medicine; 2009.
- [OCT 12] [NIH Launches 2009 H1N1 Influenza Vaccine Trials in HIV-Infected Pregnant Women](#) [Trial in HIV-Infected Children, Youth to Begin Next Week]
- [OCT 12] HHS HealthBeat: [Flu vaccination for mom and baby](#)
- [OCT 09] [NIH Prepares to Launch 2009 H1N1 Influenza Vaccine Trial in People with Asthma](#)
- [OCT 09] [Trust for America's Health: H1N1 Challenges Ahead](#)
New report finds hospital beds could run out in 15 states if 35 percent of Americans get H1N1.

Center for Infectious Disease Research and Policy



- [OCT 20] [CDC cites more evidence of H1N1 targeting the young](#)
Federal health officials presented more evidence today that pandemic H1N1 influenza primarily targets young people, reporting that more than half of recently hospitalized patients and close to a quarter of those who died were younger than 25.



- [OCT 20] [German government to host flu database](#)
The German Ministry of Food, Agriculture & Consumer Protection (BMELV) today announced that it has agreed to host the influenza gene sequence database of the Global Initiative on Sharing All Influenza Data (GISAID), putting its future on a more solid footing as the world enters the second wave of the H1N1 flu pandemic.



- [OCT 20] [Flu-related visitor restrictions at hospitals raise questions](#)
A number of hospitals around the country have limited visits from children and adults to curb the spread of pandemic flu to patients, though there is little scientific evidence that the measure works, the Associated Press reported yesterday. Some experts say the measures are needed because children are known to spread the virus easily, but others say having visitors benefits patients and that requiring short-term visitors to wear a mask and wash their hands might prevent flu transmission.



- [OCT 20] [Pandemic virus found in Ontario turkeys, Oregon ferret](#)
Ontario officials said today that the pandemic H1N1 virus has been found in turkeys at a breeding farm in the province. The results were confirmed by the Canadian Food Inspection Agency on Oct 16. The farmer had noticed a drop in egg production. Officials said there is no risk of foodborne transmission and that an infected worker

may have passed the virus to the birds. Meanwhile, officials in Oregon confirmed pandemic flu in a ferret whose owner had recently been sick with the virus.



[OCT 20] [Women planning pregnancy are advised to get H1N1 vaccine](#)

In a joint statement, the American Society for Reproductive Medicine and the Centers for Disease Control and Prevention advised fertility clinics to urge women who are planning pregnancy to be vaccinated against both seasonal flu and 2009 H1N1 flu. Women who are planning a pregnancy may need to wait a few weeks for the H1N1 vaccine to become available, the groups said. They noted that pregnant women are at risk for serious or even fatal complications of flu.



[OCT 20] [Novavax launches trial of virus-like-particle H1N1 vaccine](#)

Novavax, a US-based company, announced today the launch of clinical trials in Mexico to test the safety and efficacy of its virus-like particle pandemic H1N1 vaccine. Amivex, a company that will distribute the cell-based vaccine in Mexico in 2010 pending approval, is supporting the trial. If initial findings in 1,000 volunteers are favorable, the second stage of the trial will be conducted in 3,000 adults starting in January.



[OCT 20] [Two Iraqi provinces close schools to prevent H1N1](#)

Officials in two of Iraq's provinces have announced the country's first school closures to slow the spread of the pandemic H1N1 virus, Agence France-Presse reported today. A 5-day closure in Wassit province starts tomorrow and affects 980 schools, and a 10-day closure in Dhi Qur province starts Oct 22 and applies to 1,477 schools. Both provinces are in southern Iraq. Colleges in the areas will remain open.



[OCT 20] [FDA, FTC warn firm to stop selling fake H1N1-related products](#)

The US Food and Drug Administration (FDA) and the Federal Trade Commission (FTC) said they issued a joint warning letter to a Web site marketing supplements falsely said to help prevent the spread of the H1N1 flu virus. The Oct 15 letter, the first to be issued jointly by the agencies, warned the site owners they would face legal action if they didn't stop the deceptive marketing. The FDA said it has warned more than 75 Web sites to stop selling fraudulent H1N1-related products since May.

[ARCHIVED] [Current overview and older updates from CIDRAP](#)

Health Protection Agency (UK)

[OCT 15] [HPA Weekly National Influenza Report](#) (Week 42)

[OCT 15] [HPA weekly pandemic flu media update](#)

- The flu-like illness rate in England from the Royal College of General Practitioners (RCGP) scheme increased to 29.1 per 100,000 in week 41. An increase was seen in most age groups except those over 65 years.
- The main burden of flu-like illness nationally is in the 5-14 and 15-24 years age groups.
- This week, the antiviral collection numbers in the National Pandemic Flu Service have continued to increase and this has been seen in all age groups except the over 65s. The largest increase (17%) in week 41 was seen in the 5-14 year olds.

- Interpretation of data to produce estimates on the number of new cases continues to be subject to a considerable amount of uncertainty. HPA modelling gives an estimate of 27,000 new cases in England last week (range 13,000 to 58,000) compared with 18,000 in week 40. This indicates a doubling every two weeks.
This estimate incorporates data from National Pandemic Flu Service and GP consultations.

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)



[OCT 21] [Swine flu vaccines start today](#)

[OCT 15] [Rationale for Staff Vaccination](#)

[OCT 15] [A \(H1N1\) Swine Influenza - Vaccination Programme Update](#)

[OCT 15] [Antiviral prophylaxis - Guidance on the use of prophylaxis with antiviral medicines during the H1N1 \(swine flu\) pandemic](#)

[OCT 12] [Collection Point Administration System \(CPAS\) User Guidance](#)

[ARCHIVE] [DH Pandemic Flu site](#)

European Centre for Disease Prevention and Control (ECDC) and European Society for Clinical Microbiology and Infectious Diseases



[OCT 21] [Daily update - Pandemic H1N1 2009 \(21/10/2009\)](#)

- Media reports of influenza infections in turkeys in Canada and in pigs Japan and minks in Denmark
- First oseltamivir-resistant influenza A(H1N1)v strain identified in Taiwan;
- Outbreak study among US Air Force Academy cadets published;
- Total of 230 fatal cases in Europe and EFTA countries and 5 073 in the rest of the world have been reported up to date.



[OCT 20] [Daily update - Pandemic H1N1 2009 \(20/10/2009\)](#)

- Scientific Advance on randomised trial in Hong Kong of basic hygiene interventions published;
- Updates from U.S.A. and Canada included;
 - Total of 228 fatal cases in Europe and EFTA countries and 4 597 in the rest of the world have been reported up to date.



[OCT 19] [ECDC Weekly Executive Update - Pandemic H1N1 2009](#)

[OCT 19] [Daily update - Pandemic H1N1 2009 \(19/10/2009\)](#)

- [OCT 16] [ECDC Daily Update: Pandemic H1N1 2009](#)
- Weekly Influenza Surveillance Overview to be published today;
 - Eurosurveillance updates published;
 - Media highlights published;
 - The American Journal of Public Health issues a Supplement on Influenza Preparedness and Response;
 - Total of 221 fatal cases in Europe and EFTA countries and 4 553 in the rest of the world have been reported up to date;

[ARCHIVED] [Maps, surveillance summaries and previous ECDC updates](#)

European Union

[OCT 12] [Council Conclusions on Pandemic \(H1N1\) 2009 – a strategic approach](#)
2 965th Employment, Social Policy, Health and Consumer Affairs Council meeting
Luxembourg, 12 October 2009
Public Safety Announcement [video](#) of items discussed at meeting

[OCT 06] [Why healthcare workers are a priority group for pandemic influenza A\(H1N1\) vaccination?](#)

[ARCHIVE] [European Union Influenza H1N1 page](#)

World Health Organization (WHO)

WHO no longer issues the global tables showing the numbers of confirmed cases for all countries. Regular updates describing the situation in the newly affected countries are provided.

[OCT 16] [Pandemic \(H1N1\) 2009 - update 70](#)

[OCT 16] [Clinical features of severe cases of pandemic influenza :
Pandemic \(H1N1\) 2009 briefing note 13](#)

[ARCHIVED] [WHO H1N1 Guidance Documents](#)

[ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)

- [OCT 16] [Regional Update. Pandemic \(H1N1\) 2009. \(published on October 16, 2009\)](#)
- The intensity of acute respiratory diseases in North America was high in Canada, Mexico, and the U.S.
 - In Central America had a low or moderate intensity of acute respiratory disease; with the exception of El Salvador, which had a high intensity of acute respiratory disease and an increasing trend of acute respiratory disease

- Caribbean countries reported increasing or unchanged trends in acute respiratory disease, with outbreaks in schools.
- Most of South America had a decreasing trend and low or moderate intensity of acute respiratory disease; Colombia, however, had an increasing trend in acute respiratory disease
- 81.95% of subtyped influenza A viruses were pandemic (H1N1) 2009
- 133 new confirmed deaths in 10 countries (3539 cumulative deaths)

[ARCHIVED] [PAHO Influenza A \(H1N1\) Portal](#)

Australia and New Zealand



[OCT 21] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 156](#)

- The total number of deaths attributed to swine flu is now 19 following investigation of the death of a 35 year old woman who died in Waikato on 21 September – she had underlying medical conditions. Please note that this number is likely to change as the Coroner completes investigations into a number of influenza-related deaths that have occurred over the last few months.
- The virus is still circulating in New Zealand, although the recorded rate of Pandemic Influenza infection has declined
- As at midday today there is no one in hospital with confirmed pandemic influenza (H1N1) 2009 or its complications. There was one person at this time last week.
- The cumulative total of people in New Zealand who have returned a positive laboratory test for pandemic influenza (H1N1) 2009 is 3175, no change from last week.



[OCT 19] [Australia National H1N1 Influenza 09 Update](#)

- At noon today Australia has 36,991 confirmed cases of pandemic (H1N1) 2009
- The number of deaths associated with pandemic (H1N1) 2009 continues to increase. As of 21 October, 186 people have died. Of these deaths, four were pregnant women and 24 (13.11%) were Indigenous.
- There have been 2 confirmed deaths in the ACT, 51 in NSW, 6 in the NT, 41 in Qld, 28 in SA, 7 in Tas, 24 in Victoria and 27 in WA.
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 is identified at 4,886.

[ARCHIVED] [New Zealand's H1N1 page](#)

[ARCHIVED] [New Pandemic Phase \(PROTECT\) Guidelines](#) [Australia]

pH1N1 Clinical Information

[Ebsco Influenza Portal](#)

Due to Pandemic H1N1 Influenza and concerns about the 2009/2010 flu season, the EBSCO Publishing Medical and Nursing editors of *DynaMed™*, *Nursing Reference Center™* (NRC) and *Patient Education Reference Center™* (PERC) have made key influenza information from these resources freely available to health care providers worldwide. *Contact your library for access.*

Research Articles (1 week backfile)

What's new today, plus a one week backfile. **Articles with an asterisk (*) indicate that a subscription is required to view the full text.** [Contact your library for access to full text articles.](#)

[Medline literature search on H1N1](#) (current as of today)



[OCT 21] [Detection of Novel \(Swine Origin\) H1N1 Influenza A Virus by Quantitative Real-Time Reverse Transcription-PCR*](#)

Wang et al., J. Clin. Microbiol. 2009 Oct. **Author's Correction**



[OCT 21] [Only 12% of Germans say they will have H1N1 vaccine after row blows up over safety of adjuvants](#)

Stafford, Ned. BMJ 2009;339:b4335 doi: 10.1136/bmj.b4335. No abstract available.



[OCT 20] [Guidelines on Management of Human Infection with the Novel Virus Influenza A \(H1N1\) - A Report from the Hospital das Clínicas of the University of São Paulo.*](#)

Hajjar LA, Schout D, Galas FR, Uip DE, Levin AS, Filho HH, Sakane PT, Suslik CA, de Camargo Teixeira JM, Bonfa E, Barone AA, de Arruda Martins M, Boulos M, Auler JO. Clinics (Sao Paulo). 2009;64(10):1015-24.



[OCT 20] [Epidemiology of Human Infection with the Novel Virus Influenza A \(H1N1\) in the Hospital das Clínicas, São Paulo, Brazil - June-September 2009.*](#)

Schout D, Hajjar LA, Galas FR, Uip DE, Levin AS, Filho HH, Sakane PT, Suslik CA, de Camargo Teixeira JM, Bonfa E, Barone AA, de Arruda Martins M, Boulos M, Auler JO. Clinics (Sao Paulo). 2009;64(10):1025-30.



[OCT 20] [Melting Muscles: Novel H1N1 Influenza A Associated Rhabdomyolysis.*](#)

D'silva D, Hewagama S, Doherty R, Korman TM, BATTERY J. Pediatr Infect Dis J. 2009 Oct 16. [Epub ahead of print]



[OCT 20] [Structural basis for oseltamivir resistance of influenza viruses.*](#)

Collins PJ, Haire LF, Lin YP, Liu J, Russell RJ, Walker PA, Martin SR, Daniels RS, Gregory V, Skehel JJ, Gamblin SJ, Hay AJ. Vaccine. 2009 Oct 23;27(45):6317-23.



[OCT 20] [Communication, vaccinations are among key H1N1 quality concerns.](#)

[No authors listed]. Healthcare Benchmarks Qual Improv. 2009 Nov;16(11):121-4.



[OCT 20] [Outbreak of Antiviral Drug-Resistant Influenza A in Long-Term Care Facility, Illinois, USA, 2008](#)

Dharan, Nila J. et al. Emerg Infect Dis. 2009 Dec [Epub ahead of print]



[OCT 20] [Oseltamivir-Resistant Influenza A Pandemic \(H1N1\) 2009 Virus, Hong Kong, China](#)

Chen, H. et al. Emerg Infect. Dis. 2009 Dec [Epub ahead of print]



[OCT 20] [Extracorporeal Membrane Oxygenation for Pandemic \(H1N1\) 2009](#)

Firstenberg, M. et al. Emerg Infect. Dis. 2009 Dec [Epub ahead of print]



[OCT 20] [Respiratory Disease in Adults during Pandemic \(H1N1\) 2009 Outbreak, Argentina](#)
Zala, C. and R. Gonzalez. Emerg Infect. Dis. 2009 Dec [Epub ahead of print]



[OCT 20] [Novel H1N1 Continues to Wallop Younger U.S. Population](#)
Cohen, Jon. Science Insider. Oct. 20, 2009



[OCT 20] [Novel Influenza A \(H1N1\) Outbreak at the U.S. Air Force Academy. Epidemiology and Viral Shedding Duration](#)
Takacs Witkop C, Duffy MR, Macias EA, Gibbons TF, Escobar JD, Burwell KN, Knight KK. Amer J Prev Med. 2009; published online October 20, 2009. [Early release]



[OCT 20] [Oseltamivir for Influenza Psoxposure Prophylaxis](#)
Talbird, Sandra E, Anita J. Brojan and Aleksander P. Winiarski. Amer J Prev Med. Nov 2009; 37 (5): 381-8; published online October 20, 2009. [Early release]



[OCT 20] [The ongoing H1N1 flu pandemic and the intensive care community: challenges, opportunities, and the duties of scientific societies and intensivists.*](#)
Moreno RP, Rhodes A, Chiche JD. Intensive Care Med. 2009 Oct 20. [Epub ahead of print] No abstract available.



[OCT 10] [Non-invasive management of acute respiratory distress syndrome related to Influenza A \(H1N1\) virus pneumonia in a pregnant woman Michel Djibré, Nadia Berkane, Anne Salengro, Edouard Ferrand, Michel Denis, Ludivine Chalumeau-Lemoine, Antoine Parrot, Charles Mayaud and Muriel Fartoukh .](#)
Intens care med. 2009; published online Oct 10, 2009.

[OCT 20] [H1N1 vaccination begins as proportion of cases in hospital admitted to intensive care rises](#)
Cook, Sophie. BMJ 2009;339:b4291.

[OCT 20] [Serologic Analysis of Returned Travellers with Fever, Sweden](#)
Askling, Helena H. et al. Emerg Infect Dis. 2009 Nov [Epub ahead of print]

[OCT 20] [H1N1 pandemic flu found to cause viral pneumonia in severe cases, says WHO*](#)
Zarocostas, John. BMJ 2009;339:b4313.

[OCT 20] [Inactivating influenza viruses on surfaces using hydrogen peroxide or triethylene glycol at low vapor concentrations*](#)
Rudnick, Stephen N. American Journal of Infection Control.

[OCT 19] [ASID \(HICSIG\) position statement: infection control guidelines for patients with influenza-like illnesses, including pandemic \(H1N1\) influenza 2009, in Australian health care facilities.*](#)
Ferguson JK, Stuart RL, Cheng AC, Marshall CL. Med J Aust 2009; 191 (8): 454-458.

- [OCT 19] [Prior infection with an H1N1 swine influenza virus partially protects pigs against a low pathogenic H5N1 avian influenza virus](#)
Van Reeth, Kristien et al. Vaccine. 27(4):6330-6339.
- [OCT 19] [WHO meeting on the role of neuraminidase in inducing protective immunity against influenza infection, Vilamoura, Portugal, September 14, 2008](#)
Bright, Rick A. et al. Vaccine. 27(4):6366-6369.
- [OCT 19] [Characterisation of influenza A viruses with mutations in segment 5 packaging signals](#)
Hutchinson, Edward C. et al. Vaccine. 27(4):6270-6275.
- [OCT 19] [Nuclear functions of the influenza A and B viruses NS1 proteins: Do they play a role in viral mRNA export?](#)
Schneider, Jana and Thorsten Wolf. Vaccine. 27(4):6312-6316.
- [OCT 19] [Influenza virus CTL epitopes, remarkably conserved and remarkably variable](#)
Rimmelzwaan, Guus et al. Vaccine. 27(4):6363-6365.
- [OCT 19] [Influenza vaccination and mortality benefits: New insights, new opportunities](#)
Lone Simonsen, Cecile Viboud, Robert J. Taylor, Mark A. Miller, Lisa Jackson. Vaccine 27(4):6269-6392.
- [OCT 19] [Association Between School Closure and Subsequent Absenteeism During a Seasonal Influenza Epidemic](#)
Rodriguez, Carla V.; Rietberg, Krista; Baer, Atar; Kwan-Gett, Tao; Duchin, Jeffrey Supplemental Author Material. Epidemiology. November 2009 - Volume 20 - Issue 6 - pp 787-792.
- [OCT 16] [Pandemic Vaccine Delivery Delayed in the United States](#)
Enserink, Martin. Science Insider, Oct. 16, 2009
- [OCT 16] [Influenza A \(H1N1\) pandemic: true or false alarm*](#)
Hayward A. J Epidemiol Community Health.2009; 63: 775-776
- [OCT 16] [Influenza A \(H1N1\) pandemic: true or false alarm*](#)
Allam MF. J Epidemiol Community Health.2009; 63: 862
- [OCT 16] [Use Of An Inactivated Vaccine In Mitigating Pandemic Influenza A\(H1n1\) Spread: A Modelling Study To Assess The Impact Of Vaccination Timing And Prioritisation Strategies](#)
Sypsa V, Pavlopoulou I, Hatzakis A . Euro Surveill. 2009;14(41):pii=19356
- [OCT 16] [Pandemic H1n1 Influenza: Predicting The Course Of A Pandemic And Assessing The Efficacy Of The Planned Vaccination Programme In The United States](#)

Towers S. Euro Surveill. 2009;14(41):pii=19358

- [OCT 16] [Pandemic Influenza A\(H1n1\) 2009 Vaccines In The European Union](#)
Johansen K. Euro Surveill. 2009;14(41):pii=19361
- [OCT 16] [Resistance Of Turkeys To Experimental Infection With An Early 2009 Italian Human Influenza A\(H1n1\)V Virus Isolate](#)
Terregino C, De Nardi R, Nisi R, Cilloni F, Salviato A, Fasolato M, Capua I. Euro Surveill. 2009;14(41):pii=19360
- [OCT 16] [Swine influenza matrix 2 \(M2\) protein contributes to protection against infection with different H1 swine influenza virus \(SIV\) isolates](#)
Kitikoon P et al. Vaccine . 2009; In Press, Uncorrected Proof, Available online 16 October 2009. doi:10.1016/j.vaccine.2009.09.130
- [OCT 16] [Formative research on the feasibility of hygiene interventions for influenza control in UK primary schools](#)
Schmidt W-P, Wloch C, Biran A, Curtis V, Pangtani P. *BMC Public Health* 2009, 9:390 doi:10.1186/1471-2458-9-390
- [OCT 16] [Swine flu vaccine: Present status.*](#)
Wiwanitkit V. Hum Vaccin. 2009 Nov 28;5(11). [Epub ahead of print]
- [OCT 14] [Distribution of vaccine/antivirals and the 'least spread line' in a stratified population.*](#)
Goldstein E, Apolloni A, Lewis B, Miller JC, Macauley M, Eubank S, Lipsitch M, Wallinga J.J R Soc Interface. 2009 Oct 14. [Epub ahead of print]
- [OCT 15] [Diagnostic Importance of Relative Lymphopenia as a Marker of Swine Influenza \(H1N1\) in Adults*](#)
Cunha BA, Pherez FM, Schoch P. Clin Inf Dis. 2009;49(9):1454-56.
- [OCT 15] [Severe Acute Respiratory Disease in the Setting of an Epidemic of Swine Origin Type A H1N1 Influenza at a Reference Hospital in Entre Ríos, Argentina*](#)
Bantar C et al. Clin Inf Dis. 2009;49(9):1458-56.
- [OCT 14] [Transmission of pandemic H1N1 influenza virus and impact of prior exposure to seasonal strains or interferon treatment*](#)
Steel J, Staeheli P, Mubareka S, García-Sastre A, Palese P, Lowen AC. J. Virol. published ahead of print on 14 October 2009, doi:10.1128/JVI.01732-09
- [OCT 15] [Lack of Airborne Transmission during Outbreak of Pandemic \(H1N1\) 2009 among Tour Group Members, China, June 2009](#)
Han K et al. Lack of airborne transmission during outbreak of pandemic (H1N1) 2009 among tour group members, China, June 2009. Emerg Infect Dis 2009 Oct; 15:1578.
- [OCT 15] [Poor Clinical Sensitivity of Rapid Antigen Test for Influenza A Pandemic \(H1N1\) 2009 Virus](#)
Drexler JF et al. Poor clinical sensitivity of rapid antigen test for influenza A pandemic (H1N1) 2009 virus. Emerg Infect Dis 2009 Oct; 15:1662.

- [OCT 15] [H1N1 Influenza in Pregnancy: What All Obstetric Care Providers Ought to Know*](#)
Carlson A, Thung SF, Norwitz ER. Rev Obstet Gynecol. 2009 Summer;2(3):139-45.
- [OCT 15] [Pandemic \(H1N1\) 2009 influenza: experience from the critical care unit*](#)
Patel M, Dennis A, Flutter C, Thornton S, D'Mello O, Sherwood N. Anaesthesia. 2009 Nov;64(11):1241-5.
- [OCT 15] [An observational cohort study of triage for critical care provision during pandemic influenza: 'clipboard physicians' or 'evidenced based medicine'?*](#)
Guest T, Tantam G, Donlin N, Tantam K, McMillan H, Tillyard A. Anaesthesia. 2009 Nov;64(11):1199-206.
- [OCT 15] [Swine flu: Influenza A/H1N1 2009: the unseen and unsaid*](#)
Saxena SK, Mishra N, Saxena R, Saxena S. Future Microbiol. 2009 Oct;4:945-7. No abstract available.
- [OCT 15] [Recommended composition of influenza virus vaccines for use in the 2010 influenza season \(southern hemisphere winter\)](#)
Wkly Epidemiol Rec. 2009 Oct 9;84(41):421-31. English, French. No abstract available.

Travel Advisories

- [SEP 30] [Hajj Pilgrims: Recommendations for travel](#)
- [AUG 28] [Travel Health Notice: Human Swine Influenza in United States](#)
- [AUG 28] [Travel Health Notice: Swine Flu in California and Texas](#)
- [MAY 19] [Public Health Agency of Canada no longer recommends Canadians postpone elective or non-essential travel to Mexico](#)