

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of December 1, 2009 at 4pm

Highlights

- CDC: [Update: Interim Guidance for Management of Influenza-Like Illness aboard Commercial Aircraft during the 2009-10 Influenza Season](#)
- AMA: [Secretary Sebelius Addresses the American Medical Association Third National Congress on Health System Readiness](#)
- EU: [Commission approves one dose for 2 H1N1 vaccines for adults](#)

Literature -----

- Expert Rev
Vaccines: [Continuous cell lines as a production system for influenza vaccines.](#)
- CMAJ: [Oseltamivir Resistance and the H274Y Neuraminidase Mutation in Seasonal, Pandemic and Highly Pathogenic Influenza Viruses. Rash associated with H1N1 influenza](#)
- Heart Lung: [Winthrop-University Hospital Infectious Disease Division's swine influenza \(H1N1\) pneumonia diagnostic weighted point score system for hospitalized adults with influenza-like illnesses \(ILIs\) and negative rapid influenza diagnostic tests \(RIDTs\).](#)
- BMC Infect Dis: [Estimating the impact of school closure on social mixing behaviour and the transmission of close contact infections in eight European countries.](#)

News -----

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- [Alaska finds ethnic differences in patients](#)
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Updates by Jurisdiction

Ontario

[Ontario Ministry of Health and Long-Term Care \(MOHLTC\)](#)
[Ontario Agency for Health Promotion and Protection \(OAHPP\)](#)

Canada

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

United States

[Centers for Disease Control and Protection \(CDC\)](#)
[Center for Infectious Disease Research & Policy](#)
[Other US Sources](#)

Europe

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

International

[World Health Organization \(WHO\)](#)
[Pan American Health Organization \(PAHO\)](#)
[Australia and New Zealand](#)

Other Resources

[Consumer Health Information Resources](#)
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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

[ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online Learning Program for Health Professionals
Learning objectives:

1. Appreciate the risks posed by H1N1 infection to pregnant women and the fetus.
2. Identify the position of pregnant women in the Canadian and Provincial H1N1 vaccine priority lists.
3. Identify the benefits and risks of H1N1 vaccination in pregnancy.
4. Understand the differences between adjuvanted and unadjuvanted H1N1 vaccines for pregnant women.
5. Review clinical management considerations regarding the timing and mode of delivery of pregnant women requiring hospitalization for H1N1 influenza-like-illness (ILI).
6. Discuss the role of antiviral agents in pregnant women with H1N1 infection.

We encourage all health professionals to participate in the program. Registration is free. It takes approximately 1 hour to complete the program. The English version is now available. The French version will be posted on December 3rd.

To access the program:
www.mdBriefCase.com (for physicians)
www.rxBriefCase.com (for pharmacists)
www.AdvancingIn.com (for nurses and other healthcare professionals)

Archived

[NOV 30] Webcast: [Planning for a Pandemic - Can History Inform Action?](#)

[NOV 18] [Clinical Laboratory Management Association: Review Epidemiology of Novel H1N1](#)

[NOV 10] [Assembly of First Nations and Health Canada to Co-host a Virtual Summit on H1N1 Preparedness November 10th, 2009](#)

[ARCHIVED] [COCA conference calls](#)

[ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)

[ARCHIVED] [Know what to do about the flu](#): webcast series from the U.S flu.gov

Ministry of Health and Long-Term Care (MOHLTC)

[NOV 27] [Ontario Influenza Bulletin Surveillance Week 46 \(November 15, 2009–November 21, 2009\)](#)

Overall, influenza activity in Ontario during week 46, 2009, was **lower** when compared to week 45, 2009. Ontario health units reported 960 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 439 laboratory confirmed cases of pH1N1. During week 46, new laboratory confirmed cases of pH1N1 continued to be seen in all regions of Ontario. No new institutional influenza outbreaks were reported. For week 46, two health units reported widespread influenza activity and thirteen health units reported localized activity, and the remaining health units reported 'sporadic' level influenza activity. The rate of influenza-like illness (ILI) in patients seen by sentinel physicians remained higher than the range that is expected for this time of the year based on the average ILI rate reported in week 46 from previous years. Sixteen new deaths were reported from November 18 to November 25 compared to eighteen new deaths reported from November 12 to November 18.

[NOV 27] ["Join the Resistance" Ad Campaign Launch](#)

Ontario has launched a \$650,000 ad campaign to encourage college and university students to roll up their sleeves for the H1N1 flu shot. The ministry has arranged an e-mail blast about joining the resistance to more than 400,000 college/university students across the province. This is being done via 53 presidents of the Canadian Federation of Students and the College Students Alliance Students' Unions who are deploying the message to their student base. We have also sent posters to public health units to support clinics ongoing through the end of the school semester.

[NOV 26] [Guidance for Management of Persons with Influenza-like Illness in Group Homes during the Pandemic \(H1N1\) 2009](#)

[NOV 20] [Frequently Asked Questions on Pandemic \(H1N1\) 2009 for Health Care Providers](#)

[NOV 20] No H1N1 flu vaccine from lot A80CA007A has been administered in Ontario.

[NOV 18] [Immunization Program Open to All Ontarians on November 19](#)

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

Important Health Notices / Avis de santé important

[NOV 13] [Information for Health Care Providers – pH1N1 Update](#)

Ontario Agency for Health Protection and Promotion (O AHPP)

[NOV 24] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Nov 20, 2009\)](#)

[NOV 23] [Ontario Agency for Health Protection and Promotion Laboratory
Pandemic H1N1 Surveillance Report](#)

[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.

[NOV 27] [FluWatch Nov. 15 - 21, 2009 \(Week 46\)](#)

Nationally, the activity level reported this week decreased compared to the previous week. All influenza indicators declined during week 46.

- **A possible epidemic peak has been reached by all provinces and territories.**
- The Pandemic (H1N1) 2009 strain accounted for nearly 100% of the positive influenza A subtyped specimens this week.
- The intensity of Pandemic (H1N1) 2009 in the population was still high with 1,554 hospitalizations, 243
- ICU admissions and 61 deaths reported this week. Hospitalized cases occurred in all provinces and territories (P/T) that reported this week while the deaths were from all P/T except PE, NL and NU. From
- August 30 to November 21, 2009, a total of 5,507 hospitalized cases including 819 (14.9%) cases admitted to an intensive care unit (ICU) as well as 203 deaths had been reported.
- While the number of hospitalized cases, ICU admissions and deaths reported this week decreased, the number of hospitalizations was higher than the overall number of hospitalizations for the first wave.
- The proportion of severe cases (ICU admissions and deaths) among all hospitalized cases was lower in the second wave than in the first wave

[NOV 27] [Deaths Associated with H1N1 flu virus in Canada](#) (as of Nov 26)

- New deaths reported Nov 24 - 26: 30
- Cumulative total: 309

[NOV 27] [Weekly Distribution of the H1N1 Flu Vaccine](#)

[NOV 23] [Guidance Document on the Use of Pandemic Influenza A \(H1N1\) 2009
Inactivated Monovalent Vaccine \(Updated\)](#)

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

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



[DEC 01] [Update: Interim Guidance for Management of Influenza-Like Illness
aboard Commercial Aircraft during the 2009-10 Influenza Season](#)

This document provides updated guidance regarding management of influenza-like illness (ILI) before, during and after a flight, including personal protective measures for the crew, and reporting of ILI to CDC Quarantine Stations.



[DEC 01]

CDC H1N1 Flu Website Situation Update, November 30, 2009 Key Flu Indicators

Each week CDC analyzes information about influenza disease activity in the United States and publishes findings of key flu indicators in a report called [FluView](#). During the week of November 15-21, 2009, influenza activity decreased in some key indicators and increased in others. Overall influenza activity remains high for this time of year. Below is a summary of the most recent key indicators:

- [Visits to doctors](#) for influenza-like illness (ILI) nationally decreased sharply this week over last week with all regions showing declines in ILI. This is the fourth consecutive week of national decreases in ILI after four consecutive weeks of sharp increases. While ILI has declined, visits to doctors for influenza-like illness remain high.
- Influenza [hospitalization](#) rates remain higher than expected for this time of year. Hospitalization rates continue to be highest in younger populations with the highest hospitalization rate reported in children 0-4 years old.
- The proportion of [deaths](#) attributed to pneumonia and influenza (P&I) based on the 122 Cities Report continues to be higher than expected for this time of year. This proportion has remained elevated for eight weeks now. In addition, 35 flu-related [pediatric deaths](#) were reported this week: 27 of these deaths were associated with laboratory confirmed 2009 H1N1; 7 were influenza A viruses, but were not subtyped and one death was associated with a seasonal influenza A (H1) virus. The one death associated with seasonal influenza A (H1) virus infection reported this week actually occurred in March, during the 2008-09 season. Since April 2009, CDC has received reports of 234 laboratory-confirmed pediatric deaths: 198 due to 2009 H1N1, 35 pediatric deaths that were laboratory confirmed as influenza, but the flu virus subtype was not determined, and one pediatric death associated with a seasonal influenza virus. (Laboratory-confirmed deaths are thought to represent an [undercount](#) of the actual number. CDC has provided [estimates about the number of 2009 H1N1 cases and related hospitalizations and deaths](#).)
- Thirty-two states are reporting [widespread influenza activity](#) at this time; a decline of 11 states from last week. They are: Alabama, Alaska, Arizona, California, Connecticut, Delaware, Florida, Idaho, Illinois, Indiana, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, Tennessee, Utah, Vermont, Virginia, and West Virginia).
- Almost all of the influenza [viruses](#) identified so far continue to be 2009 H1N1 influenza A viruses. These viruses remain similar to the virus chosen for the 2009 H1N1 vaccine, and remain susceptible to the antiviral drugs oseltamivir and zanamivir with rare exception.

*All data are preliminary and may change as more reports are received.

[NOV 30] [New: 2009 H1N1 Flu International Situation Update](#)

[NOV 30] [Questions and Answers on 2009 H1N1 Vaccine Financing](#)

[NOV 27] [U.S. Influenza -Associated Hospitalizations and Deaths from August 30 to November 21, 2009](#)

Cases Defined by	Hospitalizations	Deaths
Influenza Laboratory-Tests**	29,348	1,224

[NOV 25] [2009 H1N1 Influenza: Resources for Pharmacists](#)

- [NOV 25] [3D Graphical Representations of a Generic Influenza Virus](#)
- [NOV 25] [New: Information about the 2009 H1N1 Virus](#)
- [NOV 24] [Update: 2009 H1N1 Monovalent Influenza Vaccine Dosage, Administration, and Storage](#)
- [NOV 24] [New: Questions and Answers: CDC Guidance for Emergency Shelters for the 2009-2010 Flu Season](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

Other US Sources



- [DEC 01] AMA: [Secretary Sebelius Addresses the American Medical Association Third National Congress on Health System Readiness](#)
- [NOV 24] Flu.gov: [Updated Guidance for the Use of CSL™ 2009 H1N1 Monovalent Vaccine](#)
- [NOV 23] Letter: [APHA asks Obama to support CDC's N-95 stance](#)

Center for Infectious Disease Research and Policy



- [NOV 30] [CDC: Flu activity eases, but child deaths still climb](#)
[CIDRAP] The number of states with widespread pandemic flu activity dropped for the third week in a row, but the virus continued to take a heavy toll on children, with at least 27 more pediatric deaths reported the week of Nov 15 to 21, the US Centers for Disease Control and Prevention (CDC) said today.



- [NOV 30] [CDC estimates case-fatality rate at .018%](#)
The estimated case-fatality rate (CFR) for pandemic H1N1 flu so far is .018%—about 100-fold lower than the 2% CFR in the pandemic of 1918-19, Dr. Martin Cetron of the Centers for Disease Control and Prevention (CDC) said today. Cetron, director of the CDC Division of Global Migration and Quarantine, gave the estimate in a webcast, presented by *Public Health Reports*, on lessons of the 1918 pandemic. [[Public Health Reports webcast information](#)]



- [NOV 30] [Flu closed 1,897 schools this fall](#)
US schools that have closed at some point this fall because of the flu pandemic number 1,897, out of about 132,000 schools nationwide, Dr. Martin Cetron of the CDC reported during today's webcast on the lessons of the 1918 flu pandemic. About 616,000 students were affected, he said. Closures so far this fall peaked at about 500 schools, well below the peak of 980 schools in the spring wave of the pandemic. Student-days missed were roughly twice as high in the spring as in the fall. [[Public Health Reports webcast information](#)]



- [NOV 30] [WHO addresses mutation, antiviral resistance issues](#)

The World Health Organization (WHO) is awaiting more details on clusters of oseltamivir-resistant pandemic H1N1 cases in the United States and Wales, but doesn't think they signal a major shift in the virus, Keiji Fukuda, MD, pandemic adviser to the director-general, said at a Nov 26 briefing. He pointed out that the clusters involved severely immunocompromised patients. He added that it's not clear if recently reported mutations are linked to more severe disease. [\[Nov 26 WHO media briefing transcript\]](#)



[NOV 30]

[Canada weighs vaccine surplus options](#)

Canada may have as many as 30 million doses of pandemic vaccine left after meeting domestic demand, and officials are discussing what to do with the surplus, the Canadian Press reported. Canada ordered enough to immunize 75% of its population with two doses if needed, but studies showed that one dose was enough. Experts predicted Canada may retain some for its own needs and donate the rest to developing countries or return it to the manufacturer to help fill other orders sooner. [\[Nov 27 Canadian Press story\]](#)



[NOV 30]

[Alaska finds ethnic differences in patients](#)

A review by state officials of people hospitalized with pandemic flu in Anchorage, Alaska, between Sep 1 and Oct 21 found that rates were highest in Alaska Natives and American Indians, followed by Asians and Pacific Islanders, the *Anchorage Daily News* reported. Most hospitalized patients had underlying conditions. The state epidemiologist said past studies have shown Alaska Natives have the highest rates of respiratory illnesses. [\[Nov 28 Anchorage Daily News story\]](#)



[NOV 30]

[Few flu deaths, illnesses reported during hajj](#)

Five people died of H1N1 flu during the annual hajj pilgrimage to Mecca, and 68 others were sickened, a tiny fraction of the 2.5 million who made the trip, the government of Saudi Arabia said yesterday. Experts are concerned that flu cases may develop among returning pilgrims, because only 10% of the visitors were vaccinated against H1N1. [\[Nov 29 Associated Press report\]](#)



[NOV 30]

[China, Indonesia record H1N1 in animals](#)

Two samples taken from sick dogs have tested positive for H1N1 flu, China's Ministry of Agriculture reported Nov 28, based on test results from China Agricultural University. Simultaneously, the World Organization for Animal Health (OIE) confirmed that a pig herd discovered ill in August on Bulan Island, Indonesia, harbored H1N1, showing positive in 33 out of 180 samples. [\[Nov 28 Xinhua report\]](#)

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

Health Protection Agency (UK)

[NOV 26] [Weekly Pandemic Flu Media Update](#)

[NOV 26] [Weekly Epidemiological Update: 26 November 2009 \(Week 48\)](#)

[NOV 20] [Pandemic H1N1 2009 in England: an overview of initial epidemiological findings and implications for the second wave](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

- [NOV 27] [Swine Flu H1N1: Updated Guidance for mental health services in England](#)
- [NOV 23] [Exercise Peak Practice: National Summary](#)
- [ARCHIVE] [DH Pandemic Flu site](#)

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



- [DEC 01] [Daily update – Pandemic H1N1 2009 \(Dec 01 2009\)](#)
- Updates from U.S.A. and Canada included;
 - World Aids Day: HIV-infection and pandemic Influenza A(H1N1)v
 - Total of 881 fatal cases in Europe and EFTA countries and 7 770 in the rest of the world have been reported up to date.



- [NOV 30] [ECDC EXECUTIVE UPDATE Pandemic influenza \(H1N1\) 2009 Issue 21 Monday, 30 November 2009](#)
- [NOV 27] [Weekly Influenza Surveillance Overview was published on November 27th for week 47/2009](#)
- [ARCHIVED] [Maps, surveillance summaries and previous ECDC updates](#)

European Union



- [DEC 01] [Commission approves one dose for 2 H1N1 vaccines for adults](#)
- [NOV 30] [Factsheet on Pandemic \(H1N1\)2009 by European Commission](#)
- [NOV 27] [EU Commissioner for Health receiving her vaccination against influenza A\(H1N1\)](#)
- [NOV 26] [European Society of Clinical Microbiology and Infectious Diseases concerned that scepticism and deliberate misinformation is leading to low vaccine uptake](#)
- [NOV 25] [18 countries report high pandemic \(H1N1\) 2009 activity](#)
- [ARCHIVE] [European Union Influenza H1N1 page](#)

Pan-American Health Organization (PAHO)

[NOV 16] [Regional Update. Pandemic \(H1N1\) 2009 \(published Nov 16\)](#)

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

Australia and New Zealand

All jurisdictions in Australia have ceased daily Pandemic (H1N1) 2009 data reporting.

[NOV 25] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 162](#)

[NOV 23] [Australian Influenza Surveillance Summary Report No.27, 2009, Reporting Period: 7 November 2009 – 13 November 2009](#)

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

[ARCHIVED] [Australia's H1N1 Update Bulletins](#)

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.

[NOV 27] [Pandemic \(H1N1\) 2009 - update 76](#)

[NOV 27] [WHO Weekly Press Briefing Transcript](#)

[NOV 25] [Clinical management of human infection with pandemic \(H1N1\) 2009: revised guidance](#)

[NOV 25] [Health conditions for travellers to Saudi Arabia for the pilgrimage to Mecca \(Hajj\) / Dispositions sanitaires pour les voyageurs se rendant en Arabie saoudite pour le pèlerinage à La Mecque \(Hadj\)](#)

[NOV 24] [Gathering vital evidence: the work of influenza laboratories on pandemic \(H1N1\) 2009](#)

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

[ARCHIVED] [Older WHO Updates](#)

International Society for Infectious Diseases

[NOV 25] ProMed Posting: [Comments re: Influenza pandemic \(H1N1\) 2009 \(115\): USA \(WV\), repeat infection](#)

Out correspondents suggest 2 explanations for this case of pandemic (H1N1) 2009 virus reinfection in a mother and son. Dr Lenoir's observations suggest that reinfection may on occasion be a consequence of transient immune suppression, whereas Professor Tang cites evidence that reinfection may occur more frequently than currently supposed.

pH1N1 Clinical Information

[ARCHIVED] [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)



[DEC 01] [Rash associated with H1N1 influenza](#)
Morgan Rosenberg, Carolyn Tram, Ayelet Kuper, and Nick Daneman CMAJ published 30 November 2009, 10.1503/cmaj.091678



[DEC 01] [Winthrop-University Hospital Infectious Disease Division's swine influenza \(H1N1\) pneumonia diagnostic weighted point score system for hospitalized adults with influenza-like illnesses \(ILIs\) and negative rapid influenza diagnostic tests \(RIDTs\).](#)

Cunha BA, Syed U, Stroll S, Mickail N, Laguerre M. Heart Lung. 2009 Nov-Dec;38(6):534-8. PMID: 19944879 [PubMed - in process]



[DEC 01] [Estimating the impact of school closure on social mixing behaviour and the transmission of close contact infections in eight European countries.](#)

Hens N, Minalu Ayele G, Goeyvaerts N, Aerts M, Mossong J, Edmunds JW, Beutels P. BMC Infect Dis. 2009 Nov 27;9(1):187. [Epub ahead of print] PMID: 19943919 [PubMed - as supplied by publisher]

[DEC 01] [Continuous cell lines as a production system for influenza vaccines.](#)
Genzel Y, Reichl U. Expert Rev Vaccines. 2009 Dec;8(12):1681-92. PMID: 19943763 [PubMed - in process]



[DEC 01] [Oseltamivir Resistance and the H274Y Neuraminidase Mutation in Seasonal, Pandemic and Highly Pathogenic Influenza Viruses.](#)

Hurt AC, Holien JK, Parker MW, Barr IG. *Drugs*. 2009;69(18):2523-31. doi: 10.2165/11531450-000000000-00000. PMID: 19943705 [PubMed - in process]



[DEC 01] [Fighting the flu: H1N1 poses special challenges.](#)

Williams B. *Tenn Med*. 2009 Nov;102(11):26-8. No abstract available. PMID: 19943418 [PubMed - in process]

[NOV 30] [Mitigation of pandemic influenza: review of cost-effectiveness studies.*](#)

Lugnér AK, Postma MJ. *Expert Rev Pharmacoecon Outcomes Res*. 2009 Dec;9(6):547-558.

[NOV 30] [GPs are told to vaccinate all priority groups against swine flu before Christmas](#)

Pownall M. *BMJ* 2009;339:b5110. Published 30 November 2009, doi:10.1136/bmj.b5110.

[NOV 30] [The rational clinician in a pandemic setting](#)

Bradt DA, Epstein J. *Med J Aust* 2009; Rapid Online Publication – 30 November 2009.

[NOV 30] [The changing phases of pandemic \(H1N1\) 2009 in Queensland: an overview of public health actions and epidemiology](#)

Appuhamy RD, Beard FH, Phung HN, Selvey CE, Birrell FA, Culleton TH. *Med J Aust* 2009; Rapid Online Publication – 30 November 2009.

[NOV 30] [Comparison of adult patients hospitalised with pandemic \(H1N1\) 2009 influenza and seasonal influenza during the “PROTECT” phase of the pandemic response](#)

Chang YS, van Hal SJ, Spencer PM, Gosbell IA, Collett PW. *Med J Aust* 2009; Rapid Online Publication – 30 November 2009.

[NOV 30] [From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)

Gibbs AJ, Armstrong JS, Downie JC. *Virology J* 2009, 6:207 (24 November 2009)

[NOV 30] [Severe influenza A \(H1N1\)v in patients without any known risk factor](#)

Alonso-Tarrés C, Cortes-Lletget C, Pintado S, Ricart A. *Critical Care* 2009, 13:425 (19 November 2009)

[NOV 30] [Presentation and management of critically ill patients with influenza A \(H1N1\): a UK perspective](#)

Yeung JHY, Bailey M, Perkins GD, Smith FG *Critical Care* 2009, 13:426 (19 November 2009)

[NOV 27] [A case of ARDS associated with influenza A - H1N1 infection treated with extracorporeal respiratory support.*](#)

Grasselli G, Foti G, Patroniti N, Giuffrida A, Cortinovis B, Zanella A, Pagni F, Mergoni M, Pesci A, Pesenti A. *Minerva Anestesiol*. 2009 Dec;75(12):741-745. PMID: 19940827.

[NOV 27] [Novel H1N1 Virus Infection and Pregnancy.*](#)

Satpathy HK, Lindsay M, Kawwass JF. Postgrad Med. 2009 Nov;121(6):106-112. PMID: 19940421.

- [NOV 27] [Pandemic H1N1 2009 Influenza A Virus Induces Weak Cytokine Response in Human Macrophages and Dendritic Cells and Is Highly Sensitive to Antiviral Actions of Interferons.*](#)
Osterlund P, Pirhonen J, Ikonen N, Rönkkö E, Strengell M, Mäkelä SM, Broman M, Hamming OJ, Hartmann R, Ziegler T, Julkunen I. J Virol. 2009 Nov 25. [Epub ahead of print]. PMID: 19939920.
- [NOV 26] Perspective: [When to Consider the Use of Antibiotics in the Treatment of 2009 H1N1 Influenza–Associated Pneumonia](#)
Wright PF, Kirkland KB, Modlin JF. New England Journal of Medicine. Early Online Publication. November 25, 2009. doi:10.1056/NEJMopv0910749.
- [NOV 26] Perspective: [Australia’s Winter with the 2009 Pandemic Influenza A \(H1N1\) Virus](#)
Bishop JF, Murnane MP, Owen R. New England Journal of Medicine. Early Online Publication. November 25, 2009. doi:10.1056/NEJMp0910445.
- [NOV 26] Perspective: [The Emotional Epidemiology of H1N1 Influenza Vaccination](#)
Ofri D. New England Journal of Medicine. Early Online Publication. November 25, 2009. doi:10.1056/NEJMp0911047.
- [NOV 26] [From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)
Gibbs AJ, Armstrong JS, Downie JC. Virology Journal. 2009;6:207. doi:10.1186/1743-422X-6-207.
- [NOV 25] News: [Up to a third of schoolchildren in some parts of England may already have had swine flu](#)
BMJ 2009;339:b5051
- [NOV 25] [Emergency Influenza Drug](#)
Kuehn BM. JAMA. 2009;302(20):2194
- [NOV 24] [Laboratory Surge Response to Pandemic \(H1N1\) 2009 Outbreak, New York City Metropolitan Area, USA](#)
J.M. Crawford et al. EID (Epub ahead of print)
- [NOV 24] [Epidemiology of Travel-associated Pandemic \(H1N1\) 2009 Infection in 116 Patients, Singapore](#)
P. Mukherjee et al. EID (Epub ahead of print)
- [NOV 24] Correspondence: [Novel Influenza A \(H1N1\) Presenting as an Acute Febrile Encephalopathy in a Mother and Daughter *](#)
Gonzalez BE, Brust DG. Clinical Infectious Diseases 2009;49:1966–1967.
- [NOV 24] [Risk factors and outcomes among children admitted to hospital with pandemic H1N1 influenza.](#)

O'Riordan S, Barton M, Yau Y, Read SE, Allen U, Tran D. CMAJ. 2009 Nov 19.
[Epub ahead of print]PMID: 19926677

Travel Advisories

- [NOV 27] [WHO: Travel Safety](#)
- [NOV 19] [Travel Health Notice: Global H1N1 flu virus](#)
- [OCT 29] [H1N1 Backgrounder: Planes, Trains, Ferries and Buses—Advice for Travellers, Crews and Operators](#)
- [OCT 26] [Hajj Pilgrims: Recommendations for travel](#)