

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of December 3, 2009 at 4pm

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OSHA: [Enforcement Procedures for High to Very High Occupational Exposure Risk to 2009 H1N1 Influenza](#)

WHO: [WHO use of advisory bodies in responding to the influenza pandemic](#)

CIHR: [Operating Grant: Health Systems Research on H1N1](#)

INSPQ: [Retrait préventif de la travailleuse enceinte en lien avec la grippe pandémique A\(H1N1\) 2009](#)

Literature -----

NCCID: [Purple paper: H1N1 Literature review](#)

CMAJ: [Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza](#)

NEJM: [Emergence of Oseltamivir-Resistant Pandemic H1N1 Virus during Prophylaxis](#)

PLoS ONE: [Early Assessment of Anxiety and Behavioral Response to Novel Swine Origin Influenza A\(H1N1\)](#)

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Canada

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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 \(ECDC\)](#)
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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

[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)



[DEC 01] [Planning for Extra-Curricular Activities for School-Aged Children](#)



[DEC 01] [Guidance for Faith-Based Groups](#)

[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 (OAHPP)

[DEC 02] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Nov 27, 2009\)](#)

[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.

[DEC 01] [Deaths Associated with H1N1 flu virus in Canada](#) (as of Dec 01)

- New deaths reported Nov 26 – Dec 01: 20
- Cumulative total: 329

[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] [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 03] [Podcast: 2009 H1N1 Information for Parents who have Children with High-Risk Medical Conditions](#)
- [DEC 02] [Alert: Fraudulent emails referencing CDC-sponsored State Vaccination Program](#)
CDC has received reports of fraudulent emails (phishing) referencing a CDC sponsored State Vaccination Program.
- [DEC 01] [NEW: Caregiver Instruction Sheet: Opening and Mixing Tamiflu® Capsules with Liquids if Child Cannot Swallow Capsules](#)
This document provides instructions for caregivers on how to open and mix Tamiflu® capsules with a thick sweetened liquid for children who cannot swallow capsules.
- [DEC 01] [This tool is part of Preparing for the Flu: Communication Toolkit for Schools \(Grades K-12\)](#)
This toolkit provides basic information and communication resources to help school administrators implement recommendations from CDC regarding flu.
- [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

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

Other US Sources



[DEC 02] United States Department of Labor Occupational Safety & Health Administration: [Enforcement Procedures for High to Very High Occupational Exposure Risk to 2009 H1N1 Influenza](#)

[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



[DEC 02] [WHO: Resistant flu clusters warrant greater vigilance, treatment tweaks](#)

The World Health Organization (WHO) said today that oseltamivir (Tamiflu)-resistant

pandemic H1N1 cases in hospital settings suggest that treatment doses may need to be increased in immunocompromised patients who have flu symptoms.



[DEC 02] [Another seasonal flu vaccine on way to US market](#)

A second seasonal influenza vaccine made by Novartis was approved recently by the US Food and Drug Administration (FDA), and the company said some doses may reach the market this flu season.



[DEC 02] [College flu cases declined over holiday break](#)

Flu activity at US colleges showed another steep decline last week, though the Thanksgiving break may account for some of the decrease, the American College Health Association (ACHA) reported today. New cases were down 69% from the previous week. One more death was reported, raising the total to three. The attack rate for the week ending Nov 27 was 4.1 cases per 10,000 students. So far 84% of institutions reporting had received pandemic vaccine, but only 5% of students have been vaccinated.



[DEC 02] [New Mexico reports higher flu deaths in American Indians](#)

New Mexico is reporting a disproportionate number of pandemic flu deaths in American Indians, the Associated Press (AP) reported. State epidemiologist Mike Landen said the group makes up 10% of the state's population but accounts for 20% of its flu deaths. He said reasons might include higher diabetes and poverty rates and lack of access to medical care. Of 40 deaths, 8 were in American Indians. Five were adults who had underlying conditions.



[DEC 02] [Polish official seeks probe of vaccine policy](#)

Poland's top civil-rights official has asked prosecutors to investigate the Polish government for refusing to import pandemic flu vaccine, the Canadian Press reported. The official, Janusz Kochanowski, said refusal to order vaccine is endangering public health. Prime Minister Donald Tusk's administration has said it won't import vaccine unless producers take responsibility for any side effects.



[DEC 02] [Japan: Abnormal behavior in young patients](#)

Japan's health ministry says that 151 flu patients under age 18 showed abnormal behavior, such as "acting violently or uttering gibberish," between late September and early November, Kyodo News reported today. Most of the patients were believed to have the pandemic virus; 62 were receiving oseltamivir or zanamivir, but some were not on an antiviral. Reports from Japan in recent years have suggested that the use of neuraminidase inhibitors may lead to unusual behavior in children and adolescents.

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

Health Protection Agency (UK)



[DEC 03] [Weekly Pandemic Flu Media Update](#)



[DEC 03] [Weekly Epidemiological Update: 03 December 2009 \(Week 49\)](#)



[DEC 02] [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)



[DEC 02] [Flowchart for triage: swine flu patients - for GP practice managers and receptionists](#)



[DEC 02] [Advice from the H1N1 Critical Care Clinical Group](#)

[NOV 27] [Swine Flu H1N1: Updated Guidance for mental health services in England](#)

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

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



[DEC 03] [Daily update – Pandemic H1N1 2009 \(Dec 03 2009\)](#)

- A total of 947 fatal cases in Europe and EFTA countries and 8 377 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](#)

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

Pan-American Health Organization (PAHO)

[DEC 02] [Regional Update. Pandemic \(H1N1\) 2009 \(Nov 23\)](#)

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

Australia and New Zealand

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

[DEC 02] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 163](#)
Sentinel surveillance data from the Institute of Environmental Science and Research shows that the current level of pandemic influenza activity in New Zealand is below baseline. However, there was a slight increase in visits to doctors for influenza-like illness (ILI) during the week of 16-22 November 2009. The highest number of visits to doctors for ILI was reported by the South Auckland, Rotorua and Otago health districts, and amongst children and teenagers up to 19 years old.

[DEC 02] [Australian Influenza Surveillance Summary Report No.28, 2009, Reporting Period: 14 November 2009 – 20 November 2009](#)
As at 20 November 2009:

- There were 37,269 confirmed cases of pandemic (H1N1) 2009 in Australia.
- There have been 5 new laboratory confirmed pandemic (H1N1) 2009 notifications in reporting week 47 (ending 20 November 2009), with 5 jurisdictions reporting no new notifications.
- There have been a total of 190 pandemic influenza-associated deaths.
- National influenza activity continued to decrease.

[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.



[DEC 03] [WHO use of advisory bodies in responding to the influenza pandemic](#)

[DEC 02] [Oseltamivir resistance in immunocompromised hospital patients](#)

[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 \(Hadj\)](#)
- [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 02] [NCCID: Purple paper: H1N1 Literature review](#)



- [DEC 03] [Two cases of swine H1N1 influenza presenting with hematuria as prodrome.*](#)

Ghiggeri GM, Losurdo G, Ansaldi F, Canepa A, Magnasco A. *Pediatr Nephrol.* 2009 Dec 2. [Epub ahead of print]



- [DEC 03] [Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza](#)

Tuite AR, Greer AL, Whelan M, Winter AL, Lee B, Yan Y, Wu J, Moghadas S, David Buckeridge D, Pourbohloul B, Fisman DN. *CMAJ* 10.1503/cmaj.091807. Published

online ahead of print December 3, 2009.



[DEC 03] [The Emergency Use Authorization of Peramivir for Treatment of 2009 H1N1 Influenza](#)

Birnkrant D, Cox E. NEJM. 2009; 361(23):2204-07.



[DEC 03] [Diagnostic Testing for 2009 Pandemic Influenza A \(H1N1\) Virus Infection in Hospitalized Patients](#)

Uyeki T. NEJM. 2009; 361(23): e110.



[DEC 03] [Emergence of Oseltamivir-Resistant Pandemic H1N1 Virus during Prophylaxis](#)

Baz M et al. NEJM. 2009; 361(23):2296-7.



[DEC 03] [Early Assessment of Anxiety and Behavioral Response to Novel Swine-Origin Influenza A\(H1N1\)](#)

Holland Jones J, Salathé M. PLoS ONE. Research Article, published 03 Dec 2009. doi:10.1371/journal.pone.0008032

[DEC 02] [Viral load in patients infected with pandemic H1N1 2009 influenza A virus.](#)

To KK, Chan KH, Li IW, Tsang TY, Tse H, Chan JF, et al. J Med Virol. 2009 Nov 30;82(1):1-7. [Epub ahead of print]PMID: 19950247

[DEC 02] [Induction of cross-protective immunity against influenza A virus H5N1 by an intranasal vaccine with extracts of mushroom mycelia.](#)

Ichinohe T, Aina A, Nakamura T, Akiyama Y, Maeyama JI, Odagiri T, et al. J Med Virol. 2009 Nov 30;82(1):128-137. [Epub ahead of print]PMID: 19950232

[DEC 02] [Clinical Performance of a Rapid Influenza Test and Comparison of Nasal Versus Throat Swabs to Detect 2009 Pandemic Influenza A \(H1N1\) Infection in Thai Children.](#)

Suntarattiwong P, Jarman RG, Levy J, Baggett HC, Gibbons RV, Chotpitayasunondh T, Simmerman JM. Pediatr Infect Dis J. 2009 Nov 25. [Epub ahead of print]PMID: 19949356

[DEC 02] [GPs are told to vaccinate all priority groups against swine flu before Christmas.](#)

Pownall M. BMJ. 2009 Nov 30;339:b5110. doi: 10.1136/bmj.b5110. No abstract available

[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

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](#)