

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of November 19, 2009 at 4pm*

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## Highlights

- CDC: [New: Updated Guidance for the Use of CSL 2009 H1N1 Monovalent Vaccine](#)
- WHO: [Safety of pandemic vaccines. Pandemic \(H1N1\) 2009 briefing note 16](#)  
[Pandemic influenza A \(H1N1\) 2009: considerations for tuberculosis care services](#)

## Literature -----

- CMAJ: [Risk factors and outcomes among children admitted to hospital with H1N1](#)
- BMJ: [Influenza surveillance, the swine-flu pandemic, and the importance of virology](#)
- NEJM: [Rapid-Test Sensitivity for Novel Swine-Origin Influenza A \(H1N1\) Virus in Humans](#)
- PLoS: [Evolutionary Trends of A\(H1N1\) Influenza Virus Hemagglutinin Since 1918.](#)

## News -----

[Nunavut's CMoH believes H1N1's second wave may not affect territory, due to vaccination measures](#)

[Scientists devise better way of tracking H1N1's global movements](#)

[Opposing results from another study of rapid Influenza tests](#)

[Evaluating vaccine safety](#)

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### Updates by Jurisdiction

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[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 \(ECDC\)](#)  
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#### **International**

[World Health Organization \(WHO\)](#)  
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#### **Other Resources**

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[Clinical and Public Health Practice Tools](#)  
[Historical 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](mailto:gregory-gray@uiowa.edu)
- [NOV 30] Webcast: [Planning for a Pandemic - Can History Inform Action?](#)  
Date: Monday, November 30, 2009, Monday at 13:00 (EST)  
Reserve your Webinar seat now at:  
<https://www2.gotomeeting.com/register/941279587>

### Archived

- [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 18] [Immunization Program Open To All Ontarians On November 19](#)


[NOV 13] [Ontario Influenza Bulletin: Surveillance Week 44 \(Nov 1 – Nov 7\)](#)

Note : The Influenza Bulletin provides information based on the surveillance period from **November 1 to November 7, 2009**. Case counts from the previous week are submitted to the ministry by public health units every Tuesday.

For the surveillance period of November 1 to November 7, 2009 :

- Influenza activity in Ontario is similar compared to the previous week.
- Slightly fewer 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.
- 15 health units reported widespread influenza activity for the current reporting week. Ten health units reported localized influenza activity and 9 health units reported sporadic influenza activity.
- There are 7,118 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

[NOV 16] Professional guidelines:

- [Ambulatory care settings](#) (Updated) 
- [Emergency departments](#) (Updated)
- [Pre-hospital care settings](#)
- [Long-term care settings](#) (Updated)
- [Pharmacists and Pharmacies](#) (Updated)

[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](#)  
[Information destinée aux professionnels de la santé - MISE À JOUR SUR LA GRIPPE pH1N1.](#)

[NOV 12] [pH1N1 – Access to Supplies & Equipment](#)

## Ontario Agency for Health Protection and Promotion (OAHPP)

[NOV 18] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Nov 13, 2009\)](#)

[NOV 16] [Laboratory Surveillance Update – Information current as of Monday, November 9th, 2009](#)

[NOV 10] [LABstract: Testing for Pandemic Influenza A H1N1 \(2009\) \(pH1N1\) - Update](#)

[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 17] [Weekly Vaccine Surveillance Report](#)

\*Please note that the first reporting period covers two weeks. Cumulative reports will be made on a weekly basis ongoing.

Cumulative doses distributed, adverse events and serious adverse events reported from Wednesday, October 21, through to Saturday, Nov 7, 2009

	Arepanrix (adjuvanted vaccine GSK)	
Total doses distributed as of <b>Nov 7, 2009</b>	6.6 million	
	Adverse Events	Serious Adverse Events
Total	634	36
Reporting rate /100,000 doses distributed	9.61	0.54

### [NOV 17] [Recommended Safe Work Practices for Flight Catering Operators and their Staff](#)

### [NOV 17] [Recommended Disinfection Procedures for Conveyance \(aircraft, passenger trains, ferries, buses and cruise ships\) and Terminal \(airport, cruise ship, bus, ferry and train\) Operators and their Staff](#)

### [NOV 17] [Deaths Associated with H1N1 flu virus in Canada](#)

Bi-weekly and cumulative number of deaths due to Pandemic (H1N1) 2009, by province/territory, Canada, as of 17 November, 2009, 11h00 EDT		
	Deaths	
Province / Territory	New Deaths reported (from November 10, 2009 to November 12, 2009, 11h00 EDT)	Cumulative
<a href="#">British Columbia</a>	6	29
<a href="#">Alberta</a>	0	20
<a href="#">Saskatchewan</a>	3	8
<a href="#">Manitoba</a>	0	8
<a href="#">Ontario</a>	0	61
<a href="#">Quebec</a>	23	58
<a href="#">New Brunswick</a>	2	2
<a href="#">Nova Scotia</a>	1	3
<a href="#">Prince Edward Island</a>	0	0
<a href="#">Newfoundland and</a>	2	7

Bi-weekly and cumulative number of deaths due to Pandemic (H1N1) 2009, by province/territory, Canada, as of 17 November, 2009, 11h00 EDT		
	Deaths	
Province / Territory	New Deaths reported (from November 10, 2009 to November 12, 2009, 11h00 EDT)	Cumulative
<a href="#">Labrador</a>		
<a href="#">Yukon</a>	0	1
<a href="#">Northwest Territories</a>	0	0
<a href="#">Nunavut</a>	0	1
Total	37	198

[NOV 13] [Summary of FluWatch Findings for the Week ending November 7, 2009](#)

- Nationally, there was a considerable increase in the influenza activity level reported this week with a proportion of positive influenza tests of more than 38%, the national ILI consultation rate of almost 100 per 1,000 patient visits, 25 regions reporting widespread activity and over 750 influenza outbreaks reported. This increased activity occurred in almost all provinces and territories.
- The Pandemic (H1N1) 2009 strain accounted for nearly 100% (99.8%) of the positive influenza A subtyped specimens.
- The intensity of Pandemic (H1N1) 2009 in the population was high with 1,324 hospitalizations and 35 deaths reported this week. Hospitalized cases were reported in all provinces and territories that sent the weekly data<sup>2</sup> except MB and NU while the deaths were from all P/T except NB, PE, NT and NU. From August 30 to November 7, 2009, a total of 2,295 hospitalized cases including 317 cases admitted to an intensive care unit (ICU) (13.8%) as well as 59 deaths had been reported. Numbers of new deaths were four times higher than last week.
- So far, the proportion of severe cases (ICU admissions and deaths) among all hospitalized cases was lower than in the period up to August 29, 2009.
- The activity levels reported during the previous weeks were even higher than the peak period of the first wave (e.g. the three first weeks of June, 2009).

[NOV 13] [Weekly Distribution of the H1N1 Flu Vaccine](#)

[NOV 13] [Health Canada Approves a Canadian Unadjuvanted H1N1 Flu Vaccine](#)

[NOV 12] [PHAC updates recommendations on H1N1 vaccine for children](#)

[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.*



[NOV 19] [New: Updated Guidance for the Use of CSL 2009 H1N1 Monovalent Vaccine](#)

[NOV 17] [New: Questions and Answers: 2009 H1N1 and Pneumococcal Disease in the News](#)

What is invasive pneumococcal disease? What does CDC know about invasive pneumococcal disease among people who get 2009 H1N1 or seasonal influenza? What is Active Bacterial Core surveillance (ABCs)?

[NOV 16] [New: 2009 H1N1 Flu Information for People with Disabilities and Their Caregivers or Personal Assistants](#)

[NOV 13] [Weekly FluView Map and Surveillance Report for Week Ending November 7, 2009](#)

During the week of November 1-7, 2009, influenza activity remained high in the United States as reported in FluView. Flu activity is widespread in 48 states. Nationally, visits to doctors for influenza-like-illness declined slightly from last week, but are still very high. Flu-related hospitalizations and deaths continue to increase and are very high nation-wide compared to what is expected for this time of year.

[NOV 13] [2009 H1N1 Influenza Vaccine Supply Status](#)

[NOV 13] [FDA Questions and Answers for Health Care Providers: Renal Dosing and Administration Recommendations for Peramivir IV](#)

[NOV 13] [U.S. Laboratory Confirmed Influenza-Associated Hospitalizations and Deaths from August 30 to November 7, 2009](#)

Posted 2009-11-13, 11:00 AM ET Data reported to CDC by 2009-11-10, 12:00AM ET

Cases Defined by	Hospitalizations	Deaths
Influenza Laboratory-Tests**	22,364	877

Date Reported	Laboratory-Confirmed 2009 H1N1 Influenza Pediatric Deaths	Laboratory-Confirmed Influenza A Subtype Unknown Pediatric Deaths	Laboratory-Confirmed Seasonal Influenza	Total
<b>This Week (Week 44, November 1-7, 2009)</b>	26	8	1	35
<b>Since August 30, 2009</b>	98	19	0	117
<b>Cumulative since April 26, 2009</b>	156	22	1	179

[NOV 12] [2009 H1N1 and People with Diabetes](#)

[NOV 12] Updated: [Information for Pregnant Women Working in Education, Child Care, and Health Care Settings](#)

This revised document updates the information for employed women so that it is consistent with the most recent infection control guidance posted by CDC.

[NOV 12] [CDC Estimates of 2009 H1N1 Influenza Cases, Hospitalizations and Deaths in the United States, April – October 17, 2009](#)

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

## Other US Sources

[NOV 16] NIAID: [Immune System of Healthy Adults May Be Better Prepared Than Expected to Fight 2009 H1N1 Influenza Virus](#)

[NOV 13] U.S. DHSS: [Disabilities and the Flu](#)

[NOV 12] [FDA Expands Approved Use of H1N1 Vaccines to Include Infants and Children](#)

[NOV 12] [FDA: Letter from the Commissioner to Nation's Healthcare Professionals on H1N1 Vaccine](#)  
US Food and Drug Administration Attempts to Ease H1N1 Vaccine Fears

[NOV 12] [University of Pittsburgh Medical Center \(UPMC\) Center for Biosecurity: Where Does H1N1 Influenza Information Come from? An Overview of Influenza Surveillance in the United States](#)

## Center for Infectious Disease Research and Policy



[NOV 18] [Lawmakers fault H1N1 vaccination strategy](#)  
Leaders of the US Senate Homeland Security Committee sharply critiqued the federal government's H1N1 vaccination strategy yesterday, saying health officials should have recommended targeting only the highest-risk groups as soon as the vaccine delays came to light.



[NOV 18] [House committees probe pandemic vaccine decisions](#)  
Federal officials, along with representatives from four vaccine companies, appeared before two US House of Representatives committees today to answer questions about why the nation hasn't stretched scarce pandemic vaccine supply with adjuvants and if a more federally directed distribution system might help vaccine get to more high-risk patients.



[NOV 18] [Canada reports few serious reactions to vaccine](#)  
With 6.6 million doses of H1N1 vaccine given so far, Canada has seen only 36 serious adverse reactions, according to Dr. David Butler-Jones, the country's chief public health officer. He said one person died of an anaphylactic reaction, but it was not yet certain if the vaccine caused it, CTV News reported. Serious events have also included fevers and convulsions. Butler-Jones said 20% of Canada's 31 million people have been vaccinated, which he called the highest proportion of any country.



[NOV 18] [Santa groups air pandemic flu concerns](#)  
Santa workers and volunteers are seeking ways to prevent novel H1N1 infection



during the holiday season, the Associated Press (AP) reported. One trade group urged its members to use hand sanitizer and take vitamins and the public to keep sick children home. The president of another group asked state lawmaker to consider prioritizing Santa for H1N1 vaccine, given that many are exposed to sick children and are obese, which has been identified as a high-risk condition.



[NOV 18]

[Shortening sermons to fight flu](#)

Saudi Arabia's Ministry of Islamic Affairs has told Muslim preachers to keep their sermons short because of concern that the H1N1 virus may spread in crowded mosques, Deutsche Presse-Agentur (DPA) reported today. The ministry also instructed imams to use sermons to dispel rumors about how the virus spreads and to urge the faithful to observe good hygiene to prevent infection.

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

## Health Protection Agency (UK)

[NOV 19] [Weekly pandemic flu media update](#)

[NOV 12] [Weekly Epidemiological Update: 12 November 2009 \(Week 46\)](#)

[NOV 13] [The Green Book: 23a : Pandemic influenza A\(H1N1\)v 2009 \(swine flu\)](#)

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

[NOV 19] [Swine flu vaccination: NHS prepares next step](#)

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

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



[NOV 19] [Daily update – Pandemic H1N1 2009 \(Nov 19 2009\)](#)

- Total of 549 fatal cases in Europe and EFTA countries and 6 747 in the rest of the world have been reported up to date;



[NOV 18] [Oseltamivir-resistant pandemic \(H1N1\) 2009 influenza virus, October 2009](#)

Patients have been geographically dispersed and not linked and the viruses were all susceptible to the other common antiviral, zanamivir (Relenza). Of the 32 cases detailed, two factors may have played a role: reduced immunity and preventive antiviral therapy (prophylaxis). Three cases had no known history of exposure to oseltamivir.

[NOV 16] [ECDC Executive Update: Pandemic influenza \(H1N1\) 2009, Monday November 16, 2009](#)

Upcoming events :

- **Week beginning on 16 November:** Visit to Bulgaria by senior ECDC team at the request of the Bulgarian government to assist in the final pandemic preparedness.
- **17–20 November 2009:** ECDC participates in WHO Research meeting, Geneva.

[NOV 12] [The approaching pandemic pressures on critical care services in European hospitals - preparation is crucial](#)

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

## European Union

[NOV 17] [Outcome of the Health Security Committee meeting, 12 and 13 November 2009, Luxembourg](#)

[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.*



[NOV 19] [Safety of pandemic vaccines. Pandemic \(H1N1\) 2009 briefing note 16](#)



[NOV 16] [Gathering vital evidence: the work of influenza laboratories on pandemic \(H1N1\) 2009](#)



[NOV 12] [Pandemic influenza A \(H1N1\) 2009: considerations for tuberculosis care services](#)

[NOV 17] [Pandemic \(H1N1\) 2009, Ukraine - update 2](#)

[NOV 13] [Pandemic \(H1N1\) 2009 - update 74](#)

[NOV 13] [Interim planning considerations for mass gatherings in the context of pandemic \(H1N1\) 2009 influenza](#)

[NOV 12] [Transcript of virtual press conference with Gregory Hartl, Spokesperson for H1N1, and Dr Nikki Shindo, Medical Officer, Global Influenza Programme](#)

[NOV 11] [Clinical management of human infection with pandemic \(H1N1\) 2009: revised guidance](#)

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

[ARCHIVED] [Older WHO Updates](#)

## Pan-American Health Organization (PAHO)

- [NOV 16] [Regional Update. Pandemic \(H1N1\) 2009 \(published Nov 16\)](#)
- Influenza-like illness activity remained above what is expected for this time of year in Canada and the United States; in Mexico, it surpassed the level that was observed during the first wave of the pandemic
  - Caribbean countries reported mostly unchanged trends but high intensity of acute respiratory disease this week
  - Central America continues to report overall decreasing trends in acute respiratory disease
  - Most of South America had stable or decreasing trends of acute respiratory disease, with the exception of Colombia and Peru, which reported an increasing trend
  - Venezuela reported that the outbreak of acute respiratory illness in the Yanomami communities has ended
  - A median of 99.9% of subtyped influenza A viruses were pandemic (H1N1) 2009
  - 294 new confirmed deaths in eight countries were reported; in total there have been 4,806 cumulative confirmed deaths

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

## Australia and New Zealand

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

[NOV 18] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 161](#)  
Influenza activity in New Zealand continues to be low, with visits to doctors for influenza-like illness (ILI) being below the "baseline" level. Deaths attributed to pandemic influenza remain at 20.

[NOV 13] [Australian Influenza Surveillance Summary Report No.26, 2009, Reporting Period: 31 October 2009 – 6 November 2009](#)

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

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

## 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)



[NOV 19] [Risk factors and outcomes among children admitted to hospital with H1N1](#)

Sean O'Riordan MB BChir PhD, Michelle Barton MBBS DM, Yvonne Yau MD et al. Published online ahead of print November 19, 2009. CMAJ 10.1503/cmaj.091724



[NOV 19] [Influenza surveillance, the swine-flu pandemic, and the importance of virology](#)

Fleming D. Clinical Evidence. BMJ: Published online Nov 17, 2009.



[NOV 19] [Understanding influenza virus-specific epidemiological properties by analysis of experimental human infections\\*](#)

C.-M. Liao, S.-C. Yang, C.-P. Chio And S.-C. Chen. Epidemiology and Infection, doi:10.1017/S0950268809991178 Published Online by Cambridge University Press 18 Nov 2009.



[NOV 19] [Rapid-Test Sensitivity for Novel Swine-Origin Influenza A \(H1N1\) Virus in Humans](#)

C.C. Blyth, J.R. Iredell, and D.E. Dwyer. Published at www.nejm.org November 18, 2009 (10.1056/NEJMc0909049)



[NOV 19] [A novel hypothesis for the etiology of pneumococcal co-infection in influenza\\*](#)

Eisenhut M. Vaccine. In Press, Uncorrected Proof, Available online 17 November 2009



[NOV 19] [Vasculitis in a boy with ESRD following influenza vaccination\\*](#)

Catania P, Pela I. Vaccine. In Press, Uncorrected Proof, Available online 17 November 2009



[NOV 19] [Estimate of Novel Influenza A/H1N1 cases in Mexico at the early stage of the pandemic with a spatially structured epidemic model.](#)

Collizza V et al. PLoS Currents: Influenza. Published online 18 November 2009.



[NOV 19] [Evolutionary Trends of A\(H1N1\) Influenza Virus Hemagglutinin Since 1918.](#)

Shen J, Ma J, Wang Q, 2009. PLoS ONE 4(11): e7789. doi:10.1371/journal.pone.0007789



[NOV 19] [Seasonal, Avian, and Novel H1N1 Influenza: Prevention and Treatment Modalities \(December\).\\*](#)

Sym D, Patel PN, El-Chaar GM. Ann Pharmacother. 2009 Nov 17. [Epub ahead of print]



[NOV 19] [Favourable outcome of pneumonia due to novel influenza A/H1N1 2009 virus in a splenectomised adult patient undergoing therapy for non-Hodgkin lymphoma.\\*](#)  
García-Suárez J, Martín Y, Callejas M, Rodríguez-Dominguez M, Galán JC, Burgaleta C.Br J Haematol. 2009 Nov 16. [Epub ahead of print] No abstract available.



[NOV 19] [Pandemic influenza: human rights, ethics and duty to treat.\\*](#)  
Pahlman I, Tohmo H, Gylling H. Acta Anaesthesiol Scand. 2009 Nov 16. [Epub ahead of print]



[NOV 19] [Identifying changes in selective constraints: host shifts in influenza.](#)  
Tamuri AU, Dos Reis M, Hay AJ, Goldstein RA. PLoS Comput Biol. 2009 Nov;5(11):e1000564. Epub 2009 Nov 13.



[NOV 19] [Estimating Influenza vaccine effectiveness using routinely collected laboratory data.\\*](#)  
Fleming DM, et al. J Epidemiol Community Health. 2009 Nov 12. [Epub ahead of print]



[NOV 19] [Swine flu: provision of ventilation in a worst-case scenario.](#)  
Doyle A, Carter J, Young P. Crit Care. 2009 Oct 28;13(5):422. [Epub ahead of print]



[NOV 19] [A Live Attenuated H1N1 M1 Mutant Provides Broad Cross-Protection against Influenza A Viruses, Including Highly Pathogenic A/Vietnam/1203/2004, in Mice.](#)  
Xie H, Liu TM, Lu X, Wu Z, Belser JA, Katz JM, Tumpey TM, Ye Z. J Infect Dis. 2009 Nov 12. [Epub ahead of print]



[NOV 19] [Swine flu: environmental health gets a patient's-eye view.\\*](#)  
Berg R. J Environ Health. 2009 Nov;72(4):14. No abstract available.



[NOV 19] [Influenza vaccine market dynamics.](#)  
Kresse H, Rovini H. Nat Rev Drug Discov. 2009 Nov;8(11):841-2.

[NOV 18] [Host Cell Selection of Influenza Neuraminidase Variants: Implications for Drug Resistance Monitoring in A\(H1N1\) Viruses.](#)  
Okomo-Adhiambo M, et al. Antiviral Res. 2009 Nov 13. [Epub ahead of print] PMID: 19917319 [PubMed - as supplied by publisher]

[NOV 18] [Evidence for a novel gene associated with human influenza A viruses.](#)  
Clifford M, Twigg J, Upton C. Virol J. 2009 Nov 16;6(1):198. [Epub ahead of print] PMID: 19917120 [PubMed - as supplied by publisher]

[NOV 18] [Drive-through triage and care system: lessons learned from a pandemic drill.](#)  
Callagy P, Woodfall M. J Emerg Nurs. 2009 Nov;35(6):588-93. No abstract available. PMID: 19914497 [PubMed - in process]

[NOV 18] [Boston Medical Center Pediatric Emergency Response to H1N1.](#)

Cooper MC, et al. J Emerg Nurs. 2009 Nov;35(6):580-3. Epub 2009 Aug 29. No abstract available. PMID: 19914494 [PubMed - in process]

- [NOV 18] [Dynamics of Clinical Symptoms in a Case with Pandemic Influenza A \(H1N1\).](#)  
Lee CS, Lee JH. Clin Microbiol Infect. 2009 Nov 13. [Epub ahead of print] No abstract available. PMID: 19912268 [PubMed - as supplied by publisher]
- [NOV 18] [Rates of hospitalisation for acute respiratory illness and the emergence of pandemic \(H1N1\) 2009 virus in the Hunter New England Area Health Service.](#)  
Dawood FS, Dalton CB, Durrheim DN, Hope KG. Med J Aust. 2009 Nov 16;191(10):573-4. No abstract available. PMID: 19912093 [PubMed - in process]
- [NOV 18] Letter to the Editor : A novel hypothesis for the etiology of pneumococcal co-infection in influenza  
Eisenhut M. Vaccine. [Epub ahead of print ] doi:10.1016/j.vaccine.2009.10.140
- [NOV 18] [Clinical Effectiveness of Oseltamivir and Zanamivir for Treatment of Influenza A Virus Subtype H1N1 with the H274Y Mutation: A Japanese, Multicenter Study of the 2007-2008 and 2008-2009 Influenza Seasons.](#)  
Kawai N, et al. Clin Infect Dis. 2009 Nov 13. [Epub ahead of print] PMID: 19911968 [PubMed - as supplied by publisher]
- [NOV 18] [Economic Value of Seasonal and Pandemic Influenza Vaccination during Pregnancy.](#)  
Beigi RH, Wiringa AE, Bailey RR, Assi TM, Lee BY. Clin Infect Dis. 2009 Nov 13. [Epub ahead of print] PMID: 19911967 [PubMed - as supplied by publisher]
- [NOV 18] [Notes from the Field: Outbreak of 2009 Pandemic Influenza A \(H1N1\) Virus at a Large Public University in Delaware, April-May 2009.](#)  
Iuliano AD, et al. Clin Infect Dis. 2009 Nov 13. [Epub ahead of print] PMID: 19911964 [PubMed - as supplied by publisher]
- [NOV 17] [Pre-existing immunity against swine-origin H1N1influenza viruses in the general human population](#)  
Jason A. Greenbaum<sup>1</sup>, Maya F. Kotturia<sup>1</sup>, Yohan Kima, Carla Oseroffa, Kerrie Vaughana, Nima Salimia, PNAS. Published online before print November 16, 2009, doi: 10.1073/pnas.0911580106
- [NOV 17] [Susceptibility of poultry to pandemic \(H1N1\) 2009 virus \[letter\].](#)  
Swayne DE, Pantin-Jackwood M, Kapczynski D, Spackman E, Suarez DL Emerg Infect Dis. 2009 Dec; [Epub ahead of print]
- [NOV 17] [Swine flu--hard to keep up with new developments.](#)  
Child Health Alert. 2009 Oct;27:1-2. No abstract available. PMID: 19916184 [PubMed - in process]

- [NOV 17] [Novel influenza A\(H1N1\): clinical presentation, diagnosis, and management.](#)  
Jain R, Goldman RD. *Pediatr Emerg Care*. 2009 Nov;25(11):791-6.PMID: 19915434
- [NOV 17] [Best practices in perinatal care: prevention and treatment of novel influenza A \(H1N1\) virus during pregnancy and the immediate postbirth period.](#)  
Mahlmeister LR. *J Perinat Neonatal Nurs*. 2009 Oct-Dec;23(4):307-11. No abstract available. PMID: 19915412
- [NOV 17] [What should the dentist be concerned about in the scenario of emerging swine flu.](#)  
Wiwanitkit V. *J Indian Soc Pedod Prev Dent*. 2009 Oct-Dec;27(4):263. No abstract available. PMID: 19915281
- [NOV 17] [Deaths from swine flu in UK rise, while cases fall.](#)  
Cole A. *BMJ*. 2009 Nov 13;339:b4832. doi: 10.1136/bmj.b4832. No abstract available. PMID: 19914948
- [NOV 17] [WHO recommends early antiviral treatment for at risk groups with suspected swine flu.](#)  
Zarocostas J. *BMJ*. 2009 Nov 13;339:b4831. doi: 10.1136/bmj.b4831. No abstract available. PMID: 19914947
- [NOV 17] [Hajj and 2009 pandemic influenza A H1N1.](#)  
*Lancet*. 2009 Nov 13. [Epub ahead of print] No abstract available. PMID: 19914709
- [NOV 17] [Unlicensed pandemic influenza A H1N1 vaccines.](#)  
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## Travel Advisories

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