

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of December 15, 2009 at 4pm*

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## Highlights

PHAC: [Guidance: Infection Prevention and Control Measures for Occupational Health Management for all Health Care Settings](#)

CDC: [Non-Safety-Related Voluntary Recall of Certain Lots of Sanofi Pasteur H1N1 Pediatric \(0.25 mL, for 6-35 month olds\) Vaccine in Pre-Filled Syringes: Questions & Answers](#)

US: [Ready or not? Protecting the public's health from diseases, disasters, and bioterrorism, 2009](#)

## Literature -----

CMAJ: [Can influenza A be transmitted from patients previously vaccinated against influenza?](#)

AJIC: [Physicians' legal duty of care and legal right to refuse to work during a pandemic](#)

AJIC: [Infection preventionists' experience during the first months of the 2009 novel H1N1 influenza A pandemic](#)

## News -----

China: [Flu to peak in next two months](#)

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## [Events](#)

### 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](#)  
[pH1N1 Clinical Information](#)  
[Research Articles](#)  
[Clinical and Public Health Practice Tools](#)  
[Historical Resources](#)  
[Travel Advisories](#)

## 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)
- [ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online learning program for health professionals
- To access the program:  
[www.mdBriefCase.com](http://www.mdBriefCase.com) (for physicians)  
[www.rxBriefCase.com](http://www.rxBriefCase.com) (for pharmacists)  
[www.AdvancingIn.com](http://www.AdvancingIn.com) (for nurses and other healthcare professionals)
- [DEC 16] [A Special Flu.Gov Webcast for Health Care Providers](#)  
Join experts from the U.S. Department of Health and Human Services and the former president of the American Medical Association answer your questions about the H1N1 virus and vaccine.  
Date and Time: Wednesday, December 16, 12 - 1 PM ET
- Speakers:  
**Dr. Regina Benjamin**, Surgeon General, U.S. Department of Health & Human Services  
**Dr. Anne Schuchat**, Director, National Center for Immunization & Respiratory Diseases, Centers for Disease Control & Prevention  
**Dr. Nicole Lurie**, Assistant Secretary for Preparedness & Response, U.S. Department of Health & Human Services  
**Dr. Nancy Nielsen**, Immediate Past President, American Medical Association

### 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 11] [Ontario Influenza Bulletin Surveillance Week 48 \(November 29, 2009–December 05, 2009\)](#)

For the surveillance period of November 29 to December 05, 2009:

- Influenza activity in Ontario was lower compared to the previous week.
- 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 has decreased to what is expected for this time of the year.
- No health units reported widespread influenza activity for the current reporting week. Four health units reported localized influenza activity and 20 health units reported sporadic influenza activity.
- Health units reported 95 new confirmed cases of H1N1 flu virus through the integrated Public Health System (iPHIS).

[DEC 04] [Ontario Expands Flu Immunization Program Seasonal and H1N1 flu shots now available to everyone](#)

[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 10] [Ontario Agency for Health Protection and Promotion Laboratory Pandemic H1N1 Surveillance Report December 7<sup>th</sup>](#)

[DEC 09] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Dec 4, 2009\)](#)

[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 15] [Guidance: Infection Prevention and Control Measures for Occupational Health Management for all Health Care Settings](#)

[DEC 11] [FluWatch: November 29, 2009 to December 5, 2009](#)

- All FluWatch influenza indicators declined for at least the third consecutive week. The ILI consultation rate was even within the expected range for this time of the year.
- 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 moderate. A decline has been experienced by all provinces and territories as indicated in the

continued decreasing number of reported hospitalized cases (307 vs. 804), ICU admissions (83 vs. 139) and deaths (33 vs. 56) reported this week. Hospitalized cases occurred in all provinces and territories (PTs) that reported this week except YT while the deaths were from all PTs except NB, PE, NT and NU. From August 30 to December 5, 2009, a total of 6,621 hospitalized cases including 1,041 (15.7%) cases admitted to an intensive care unit (ICU) as well as 292 (4.4%) deaths had been reported

- [DEC 10] [Deaths Associated with H1N1 flu virus in Canada](#)
- New deaths reported Dec 08 – Dec 10. 11h00 EDT: 10
  - Cumulative total: 373

[DEC 09] [PSAs about H1N1](#)

[DEC 09] [Vaccine Surveillance Report](#)

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

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



[DEC 15] [Non-Safety-Related Voluntary Recall of Certain Lots of Sanofi Pasteur H1N1 Pediatric \(0.25 mL, for 6-35 month olds\) Vaccine in Pre-Filled Syringes: Questions & Answers](#)

[DEC 14] [UPDATE: H1N1 Flu \(Swine Flu\): Resources for Pregnant Women](#)

[DEC 14] [UPDATE: H1N1 Flu \(Swine Flu\): Resources for Obstetric Health Care Providers](#)

[DEC 11] [UPDATE: 2009 H1N1 Flu International Situation Update](#)  
This report provides an update to the international situation as of December 11, 2009. The World Health Organization (WHO) continues to report updated 2009 H1N1 flu-associated laboratory-confirmed cases and deaths on its Web page.

[DEC 11] [FluView: 2009-2010 Influenza Season Week 48 ending December 5, 2009](#)

[DEC 11] Update: [U.S. Influenza -Associated Hospitalizations and Deaths from August 30 to December 5, 2009](#)

Cases Defined by	Hospitalizations	Deaths
Influenza Laboratory-Tests**	33,490	1,445

[DEC 11] [NEW: In the News: Deaths related to 2009 H1N1 & American Indians and Alaskan Natives](#)

Questions and Answers on the 2009 H1N1 burden of mortality and American Indians and Alaska Natives.

- [DEC 10] [NEW: 2009 H1N1 and Seasonal Flu and African American Communities: Questions and Answers](#)
- [DEC 10] [Update: CDC Estimates of 2009 H1N1 Influenza Cases, Hospitalizations and Deaths in the United States, April - November 14, 2009](#)  
CDC has updated its estimates of the total number of 2009 H1N1 cases, hospitalizations and deaths in the United States since April, 2009.
- [DEC 10] [NEW: In The News Question & Answer on The Estimated Number of U.S. 2009 H1N1 Cases, Hospitalizations and Deaths](#)
- [DEC 09] [UPDATE: Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

## Other US Sources



- [DEC 15] Trust for America's Health: [Ready or not? Protecting the public's health from diseases, disasters, and bioterrorism, 2009](#)
- [DEC 10] [NIAID Trial of 2009 H1N1 Influenza Vaccine Enrolling HIV-Positive Adults](#)  
Adults with HIV infection are enrolling in a NIAID-sponsored clinical trial of 2009 H1N1 influenza vaccine to determine the optimal dosage of 2009 H1N1 vaccine for people with suppressed immunity caused by HIV/AIDS.
- [DEC 08] [The Severity of Pandemic H1N1 Influenza in the United States, from April to July 2009: A Bayesian Analysis](#)  
Accurate measures of the severity of pandemic (H1N1) 2009 influenza (pH1N1) are needed to assess the likely impact of an anticipated resurgence in the autumn in the Northern Hemisphere.
- [DEC 08] [New York Autopsies Show 2009 H1N1 Influenza Virus Damages Entire Airway](#)  
In fatal cases of 2009 H1N1 influenza, the virus can damage cells throughout the respiratory airway, much like the viruses that caused the 1918 and 1957 influenza pandemics, report researchers from the National Institutes of Health (NIH) and the New York City Office of Chief Medical Examiner.
- [DEC 07] [NIAID Clinical Trial of Pregnant and Non-Pregnant Women to Compare Responses Begins Recruitment](#)

## Center for Infectious Disease Research and Policy



[DEC 14]

### [Army works to vaccinate trainees before holidays](#)

The US Army is working to finish vaccinating thousands of trainees against H1N1 flu before they head home on holiday leave, the Associated Press (AP) reported. More than 40,000 soldiers in basic and advanced training around the country will go on leave over the next 2 weeks, officials said. The Department of Defense (DoD) bought about 2.7 million doses of vaccine and is trying to finish administering them by the end of the year, a DoD spokesman said.



[DEC 14]

### [Low vaccine uptake in Alabama schools](#)

Alabama's state health officer said only 20% to 25% of kindergarten through third-grade students in Alabama schools received the H1N1 vaccine when it was available the first week in December, the Huntsville Times reported. The vaccine was offered to children aged 9 and under. Dr. Donald Williamson said many children apparently had received the vaccine from their pediatricians, and the decline in H1N1 cases probably also contributed to low demand.



[DEC 14]

### [Chicago area takes vaccine to holiday shoppers](#)

Public health workers in Cook County, Ill., brought their pandemic vaccine campaign to holiday shoppers at a mall Dec 12 in an effort to make it easier for people to be immunized. The health department said in a media statement that it would release details over the coming days about more mall-based clinics. For Saturday's clinic, workers focused on designated priority groups, issuing 400 tickets for designated times between 10 am and 3 pm.



[DEC 14]

### [USDA conditionally licenses vaccine for pigs](#)

Pfizer Animal Health of Lincoln, Neb., was granted a conditional license for an H1N1 flu vaccine for use in pigs, the US Department of Agriculture (USDA) announced Dec 11. It is the first H1N1 flu vaccine license issued by the USDA and is valid for a year. Under USDA regulations, a product shown to be pure and safe and deemed likely to be effective may be licensed while data on efficacy and potency are still being gathered. The vaccine can be used only by veterinarians.

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

## Health Protection Agency (UK)

[DEC 11]

### [Positivity rates from virological sampling](#)

[DEC 10]

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

- The consultation rate for flu-like illness in England from the Royal College of General Practitioners (RCGP) scheme has decreased slightly to 33.1 per 100,000 in week 49 compared to 8.6 in week 48. This remains above the English baseline threshold of 30/100,000.
- The estimated cases self referring to the National Pandemic Flu Service have shown decreases in all areas of assessments, authorisations and collections. This is across all age groups.
- 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 11,000 new cases in England last week (range 6,000 to 24,000) which represents a significant decrease from the previous week.

*This estimate incorporates data from National Pandemic Flu Service and GP consultations.*

- The HPA estimates a cumulative total number of cases of 795,000 (with a range 380,000 to 1,665,000) since the pandemic began.

[DEC 10] [Weekly Epidemiological Update: 03 December 2009 \(Week 49\)](#)

[DEC 04] [Swine flu vaccination for pregnant women: frequently asked questions](#)

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

[DEC 08] [Swine flu vaccinations for under fives to start before Christmas](#)

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

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



[DEC 15] [Daily update – Pandemic H1N1 2009 \(Dec 14 2009\)](#)

- A total of 1 371 fatal cases in Europe and EFTA countries and 9 662 in the rest of the world have been reported up to date.

[DEC 14] [ECDC Executive Update Pandemic influenza \(H1N1\) 2009 Issue 23 Monday, 14 December 2009](#)

[DEC 04] [Weekly Influenza Surveillance Overview for week 48/2009](#) (Nov 23-30)

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

## European Union

[DEC 10] [A note of the Health Security Committee - Early Warning Response System contact point audio-meeting, 9 December](#)

[DEC 08] [Ministerial Statements London, United Kingdom - 4 December 2009 Tenth Ministerial Meeting Of The Global Health Security Initiative \(GHSI\)](#)

[DEC 07] [European Medicines Agency advises of risk of fever in young children following vaccination with Pandemrix \(Press release of Dec 4<sup>th</sup>, posted Dec 7<sup>th</sup>\)](#)



[DEC 03] [EMEA agency publishes first weekly pandemic pharmacovigilance update](#)

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

## **Pan-American Health Organization (PAHO)**

[DEC 07] [Regional Update. Pandemic \(H1N1\) 2009 \(Dec 7\)](#)

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

## **Australia and New Zealand**

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

[DEC 09] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 164](#)

[DEC14] [Australian Influenza Surveillance Summary Report No.30, 2009, Reporting Period: 28 November 2009 – 04 December 2009](#)

As at 4 December 2009, there had been 37,462 confirmed cases of pandemic (H1N1) 2009 and 191 deaths reported in Australia.

[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 11] [Pandemic \(H1N1\) 2009 - update 78](#)

[DEC 04] Weekly Epidemiological Report: [Pandemic influenza A \(H1N1\) 2009 virus vaccine – conclusions and recommendations from the October 2009 meeting of the immunization Strategic Advisory Group of Experts](#)

[DEC 03] [Transcript of the 3 December 2009 press briefing](#)

[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 15] [Physicians' legal duty of care and legal right to refuse to work during a pandemic](#)

Davies CE, Zlotnik Shaul R. Canadian Medical Association Journal. Early Online Publication.



[DEC 15] [Infection preventionists' experience during the first months of the 2009 novel H1N1 influenza A pandemic](#)

American Journal of Infection Control. Volume 37, Issue 10, December 2009, Pages e5-e16.



[DEC 15] [Can influenza A be transmitted from patients previously vaccinated against influenza?](#)

American Journal of Infection Control. Volume 37, Issue 10, December 2009, Pages 869-870.



[DEC 15] [Combination strategies for pandemic influenza response - a systematic review of mathematical modeling studies](#)

BMC Medicine. 2009, 7:76 doi:10.1186/1741-7015-7-76.

[DEC 14] [Optimizing allocation for a delayed influenza vaccination campaign](#)

Medlock J, Meyers LA, Galvani A. PLoS Currents: Influenza. Published online 11 December 2009.

- [DEC 14] [Modeling the critical care demand and antibiotics resources needed during the Fall 2009 wave of influenza A\(H1N1\) pandemic.](#)  
Balcan D et al. PLoS Currents: Influenza. Published online 09 December 2009.
- [DEC 14] [The Severity of Pandemic H1N1 Influenza in the United States, from April to July 2009: A Bayesian Analysis.](#)  
Presanis AM et al. PLoS Med 6(12): e1000207. doi:10.1371/journal.pmed.1000207. Published online 08 December 2009.
- [DEC 14] [Post-exposure prophylaxis during pandemic outbreaks](#)  
Moghadas SM, Bowman CS, Rost G, Fisman DN, Wu J. *BMC Medicine* 2009, **7**:73 (2 December 2009)
- [DEC 14] [Systematic review of interventions to increase influenza vaccination rates of those 60 years and older](#)  
Thomas RE, Russell ML, Lorenzetti DL. *Vaccine*. In Press, Uncorrected Proof, Available online 14 December 2009.
- [DEC 14] [Immunizing school-age children and adolescents: Experience from low- and middle-income countries](#)  
Mackroth MS, Irwin K, Vandelaer J, Hombach J, Eckert LO. *Vaccine*. In Press, Uncorrected Proof, Available online 14 December 2009.
- [DEC 11] [Serologic Cross-Reactivity with Pandemic \(H1N1\) 2009 Virus in Pigs, Europe](#)  
C.S. Kyriakas et al. *Emerging Infectious Diseases*.
- [DEC 11] [Hospitalizations for Pandemic \(H1N1\) 2009 among Maori and Pacific Islanders, New Zealand](#)  
A. Verrall et al. *Emerging Infectious Diseases*.
- [DEC 11] [Pandemic \(H1N1\) 2009 Surveillance and Prevalence of Seasonal Influenza, Singapore](#)  
Y.-S. Leo et al. *Emerging Infectious Diseases*.
- [DEC 10] [Deaths Related to 2009 Pandemic Influenza A \(H1N1\) Among American Indian/Alaska Natives --- 12 States, 2009](#)  
MMWR December 11, 2009 / 58(48);1341-1344
- [DEC 10] [Transmissibility of the 1918 pandemic influenza in Montreal and Winnipeg of Canada \(p 27-31\)](#)  
Shenghai Zhang, Ping Yan, Brian Winchester, Jun Wang *Influenza and other Respiratory Viruses*. Volume 4 Issue 1 (January 2010) Published Online: Dec 9 2009 7:28PM DOI: 10.1111/j.1750-2659.2009.00117.x
- [DEC 10] [Phenotypic characteristics of novel swine-origin influenza A/California/07/2009 \(H1N1\) virus \(p 1-5\)](#)  
Irina Kiseleva, Natalie Larionova, Vasily Kuznetsov, Larisa Rudenko *Influenza and other Respiratory Viruses*. Volume 4 Issue 1 (January 2010) Published Online: Dec 9 2009 7:28PM DOI: 10.1111/j.1750-2659.2009.00118.x

- [DEC 10] Eurosurveillance 10 Dec 2009 ;14(49)
- [Public perceptions in relation to intention to receive pandemic influenza vaccination in a random population sample: evidence from a cross-sectional telephone survey](#)
  - [Behaviours regarding preventive measures against pandemic H1N1 influenza among Italian healthcare workers, October 2009](#)
  - [Behaviour of the pandemic H1N1 influenza virus in Andalusia, Spain, at the onset of the 2009-10 season](#)
  - [Prolonged shedding of influenza A\(H1N1\)v virus: two case reports from France 2009](#)
- [DEC 10] [Subtype identification of the novel A H1N1 and other human influenza A viruses using an oligonucleotide microarray.](#)  
Kang X, Li Y, Sun H, Wu W, Liu H, Lin F, et al. Arch Virol. 2009 Dec 10. [Epub ahead of print] PMID: 19998047 [PubMed - as supplied by publisher]
- [DEC 10] [The macroeconomic impact of pandemic influenza: estimates from models of the United Kingdom, France, Belgium and The Netherlands.](#)  
Keogh-Brown MR, Smith RD, Edmunds JW, Beutels P. Eur J Health Econ. 2009 Dec 9. [Epub ahead of print] PMID: 19997956 [PubMed - as supplied by publisher]
- [DEC 10] [The severity of pandemic H1N1 influenza in the United States, from April to July 2009: a Bayesian analysis.](#)  
Presanis AM, De Angelis D; New York City Swine Flu Investigation Team, Hagy A, Reed C, Riley S, Cooper BS, Finelli L, Biedrzycki P, Lipsitch M. PLoS Med. 2009 Dec;6(12):e1000207. Epub 2009 Dec 8. PMID: 19997612 [PubMed - in process]
- [DEC 10] [Adaptive vaccination strategies to mitigate pandemic influenza: Mexico as a case study.](#)  
Chowell G, Viboud C, Wang X, Bertozzi SM, Miller MA. PLoS One. 2009 Dec 3;4(12):e8164. PMID: 19997603 [PubMed - in process]
- [DEC 10] [Early assessment of anxiety and behavioral response to novel swine-origin influenza A\(H1N1\).](#)  
Jones JH, Salathé M. PLoS One. 2009 Dec 3;4(12):e8032. PMID: 19997505 [PubMed - in process]
- [DEC 10] [Direct multiplex reverse transcription-nested PCR detection of influenza viruses without RNA purification.](#)  
Song MK, Chang J, Hong Y, Hong S, Kim SW. J Microbiol Biotechnol. 2009 Nov;19(11):1470-4. PMID: 19996703 [PubMed - in process]
- [DEC 10] [Adaptive strategies of the influenza virus polymerase for replication in humans.](#)  
Mehle A, Doudna JA. Proc Natl Acad Sci U S A. 2009 Dec 7. [Epub ahead of print] PMID: 19995968 [PubMed - as supplied by publisher]

- [DEC 10] [Short Communication: Diagnostic performance of rapid influenza antigen assays in patients infected with the new influenza A \(H1N1\) virus.](#)  
Herzum I, Lutz T, Koch F, Geisel R, Gehrt A. Clin Chem Lab Med. 2009 Dec 8. [Epub ahead of print] PMID: 19995180 [PubMed - as supplied by publisher]
- [DEC 10] [Rapid diagnosis of swine-origin influenza A \(H1N1\) virus \(S-OIV\): useful or hype?](#)  
Lippi G, Plebani M. Clin Chem Lab Med. 2009 Dec 8. [Epub ahead of print] No abstract available. PMID: 19995179 [PubMed - as supplied by publisher]
- [DEC 10] [Pandemic influenza \(H1N1\): our Canadian response.](#)  
Spika JS, Butler-Jones D. Can J Public Health. 2009 Sep-Oct;100(5):337-9. PMID: 19994732 [PubMed - in process]
- [DEC 10] [Epidemiological, antigenic and genetic characteristics of seasonal influenza A\(H1N1\), A\(H3N2\) and B influenza viruses: Basis for the WHO recommendation on the composition of influenza vaccines for use in the 2009–2010 Northern Hemisphere season](#)  
Barr IG, McCauley J, Cox N, Daniels R, Engelhardt OG. Vaccine, In Press, Uncorrected Proof, Available online 9 December 2009
- [DEC 10] [Influenza vaccine concurrently administered with a combination measles, mumps, and rubella vaccine to young children](#)  
Lum LCS, Borja-Tabora C-F, Breiman RF, Vesikari T, Sablan BP, et al. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [Impact of influenza-like illness and effectiveness of influenza vaccination in oncohematological children who have completed cancer therapy](#)  
Esposito S, Cecinati V, Scicchitano B, Delvecchio GC, Santoro, N, et al. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [A systematic review of measures for reducing injection pain during adult immunization](#)  
Hogan M-E, Kikuta A, Taddio A. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [A Community Cluster of Oseltamivir-Resistant Cases of 2009 H1N1 Influenza](#)  
Mai, L. Q., Wertheim, H. F.L., Duong, T. N., van Doorn, H. R., Tran Hien, N., Horby, P., the Vietnam H1N1 Investigation Team. NEJM
- [DEC 10] [Clinical Features of the Initial Cases of 2009 Pandemic Influenza A \(H1N1\) Virus Infection in China](#)  
Cao, B., Li, X.-W., Mao, Y., Wang, J., Lu, H.-Z., Chen, Y.-S., et al., the National Influenza A Pandemic (H1N1) 2009 Clinical Investigation Group of China. NEJM
- [DEC 09] Editorial: [Why don't we have all the evidence on oseltamivir?](#)  
BMJ 2009;339:b5351 Published 8 December 2009, doi:10.1136/bmj.b5351

- [DEC 09] Feature: [Complications: tracking down the data on oseltamivir](#)  
Cohen D. BMJ 2009;339:b5387 Published 8 December 2009, doi:10.1136/bmj.b5387  
*A Cochrane group's attempt to reproduce an analysis underpinning the use of oseltamivir in pandemic influenza hit a brick wall. Deborah Cohen retraces its steps*
- [DEC 09] [Research : Neuraminidase inhibitors for preventing and treating influenza in healthy adults: systematic review and meta-analysis](#)  
Jefferson T, Jones M, Doshi P, Del Mar C. BMJ 2009;339:b5106 Published 8 December 2009, doi:10.1136/bmj.b5106
- [DEC 09] Analysis :[Neuraminidase inhibitors—the story behind the Cochrane review](#)  
Doshi P. BMJ 2009;339:b5164 Published 8 December 2009, doi:10.1136/bmj.b5164
- [DEC 09] Response: Roche  
[Point-by-point response from Roche to BMJ questions](#)  
BMJ 2009;339:b5374 Published 8 December 2009, doi:10.1136/bmj.b5374
- [DEC 09] Response: Roche  
[Roche replies to the authors of the Cochrane Review on oseltamivir](#)  
BMJ 2009;339:b5364 Published 8 December 2009, doi:10.1136/bmj.b5364
- [DEC 09] [News: Health ministers from around the world make H1N1 top priority](#)  
Siva N. BMJ 2009;339:b5397 Published 9 December 2009, doi:10.1136/bmj.b5397
- [DEC 09] [Shot in the arm. H1N1 vaccine is headed to state health departments to ward off pandemic's spread, but experts worry about delay.](#)  
Zigmond J. Mod Healthc. 2009 Oct 26;39(43):6-7, 16, 1.PMID: 19972647 [PubMed - in process]
- [DEC 09] [Exposure to MF59-adjuvanted influenza vaccines during pregnancy-A retrospective analysis.](#)  
Tsai T, Kyaw MH, Novicki D, Nacci P, Rai S, Clemens R. Vaccine. 2009 Dec 4. [Epub ahead of print]PMID: 19969117 [PubMed - as supplied by publisher]
- [DEC 09] [Lancet conference: influenza in the Asia-pacific and the international scientific symposium on influenza pandemic response and preparedness.](#)  
Chan PK. Expert Rev Anti Infect Ther. 2009 Dec;7(10):1165-6.PMID: 19968508 [PubMed - in process]
- [DEC 09] [H1N1 Influenza: Contact Investigation Burden because of Failure to Institute Influenza Precautions in Patients with Negative Rapid Influenza Diagnostic Test Results.](#)  
Cunha BA, Thekkel V, Cohan C. Infect Control Hosp Epidemiol. 2010 Jan;31(1):102-4. No abstract available. PMID: 19968491 [PubMed - in process]
- [DEC 09] [Coding for the H1N1 virus vaccination.](#)  
Martin V. Med Econ. 2009 Oct 23;86(20):26. No abstract available.

- [DEC 08] [Nurses, the 2009 h1n1 flu, and seasonal vaccination.\\*](#)  
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## 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](#)
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