

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of December 31, 2009 at 2pm*

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## Highlights

PHAC: [Deaths Associated with H1N1 flu virus in Canada](#) [410 total]

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

[Weekly Epidemiological Update: 31 December 2009 \(Week 53\)](#)

ECDC: [Daily update – Pandemic H1N1 2009 \(Dec 31 2009\)](#)

WHO: [Pandemic \(H1N1\) 2009 - update 81](#)

## *Literature* -----

NEJM: [Outbreak of 2009 Pandemic Influenza A \(H1N1\) at a New York City School](#)

[Household Transmission of 2009 Pandemic Influenza A \(H1N1\) Virus in the United States](#)

## *News* -----

Xinhua News: [China launches broad epidemiologic investigation](#)

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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 \(WHO\)](#)  
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#### **Other Resources**

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[Clinical and Public Health Practice Tools](#)  
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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)
- [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)

### Archived

- [DEC 16] **Topic: 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. Hosted by the U.S. Department of Health and Human Services, **the show airs live** on [www.flu.gov](http://www.flu.gov).
- [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 29] [Ontario Influenza Bulletin Surveillance Week 49 \(December 13, 2009–December 19, 2009\)](#)  
Note : The Influenza Bulletin provides information based on the surveillance period from **December 13 to December 19, 2009**. Case counts from the previous week are submitted to the ministry by public health units every Tuesday.

**Note : The next Ontario Influenza Bulletin covering weeks 51 and 52 (Dec. 20 to Jan. 2) will be published on Jan. 8, 2010.**

For the surveillance period of December 13 to December 19, 2009 :

- Influenza activity in Ontario was lower 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 is similar to what is expected based on the average rate at this time of year for past seasons.
- No health units reported widespread influenza activity or localized influenza activity for the current reporting week. Nine health units reported sporadic influenza activity.
- There are 8,733 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

[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 14] [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 30] [Deaths Associated with H1N1 flu virus in Canada](#)

- New deaths reported Dec 23 – Dec 30 11h00 EDT: 9
- Cumulative total: 410

[DEC 23] [Vaccine Surveillance Report](#)

[DEC 18] [FluWatch: December 6, 2009 to December 12, 2009](#)

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

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

[DEC 28] [UPDATE: 2009 H1N1 Flu International Situation Update](#)

This report provides an update to the international situation as of December 28,

2009. The World Health Organization (WHO) continues to report updated 2009 H1N1 flu-associated laboratory-confirmed cases and deaths on its Web page.

- [DEC 28] [UPDATED: Antiviral Drugs for the 2009-2010 Influenza Season](#)  
This podcast discusses the use of antiviral drugs for the treatment and prevention of influenza, including 2009 H1N1, during the 2009-2010 influenza season.
- [DEC 24] [UPDATED: Laboratory Confirmed Influenza-Associated Hospitalizations and Deaths from August 30 to December 19, 2009](#)
- [DEC 23] [CDC: 2009 H1N1 Influenza Vaccination Coverage Survey for Dec 6-12](#)
- [DEC 23] [NEW: Voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

## Other US Sources

- [DEC 23] [FDA Approves High Dose Seasonal Influenza Vaccine for People Ages 65 and Older](#)

## Center for Infectious Disease Research and Policy



- [DEC 30] [Report details New York high school outbreak](#)  
A report released today by the *New England Journal of Medicine (NEJM)* dissects one of the earliest and largest school outbreaks of H1N1 flu, at a high school in the New York City borough of Queens in April. There were 124 confirmed cases--none of them severe--in students and staff, and more than 800 students and employees reported a flu-like illness. The authors estimated the median incubation period at 1.4 days and the reproductive number (additional cases generated by each case) at 3.3. [[Dec 31 NEJM report](#)]



- [DEC 30] [One Novartis pediatric vaccine dose may suffice](#)  
With the help of an adjuvant, a Novartis H1N1 vaccine at half the standard dose may protect children 3 to 17 years, according to a *NEJM* letter today. The findings, from Costa Rican and Novartis researchers, showed protection after 22 days among 9- to 17-year-olds after one 15-microgram (mcg) dose or a 7.5-mcg dose with an adjuvant. But among 3- to 8-year-olds, only the adjuvanted 7.5-mcg dose provided an adequate immune response. Adjuvanted flu vaccines are not approved for US use. [[Dec 30 NEJM letter](#)]

- [DEC 30] [China launches broad epidemiologic investigation](#)  
China will launch a two-pronged nationwide investigation of H1N1 influenza to improve case counts and understanding of the disease's communicability, Xinhua News reported. One arm will survey 54,000 people in 12 provinces, cities, and regions in three time periods in 2010, while the other will involve one-time collection of blood samples from 12,400 people in 31 provinces and additional political units. [[Dec 30 Xinhua News report](#)]



[DEC 30]

### [Eastern Europe, southern Asia are flu hot spots](#)

Central and Eastern Europe are currently the hottest spots for pandemic flu activity, but activity is also intense in northern India, Nepal, and Sri Lanka, the World Health Organization (WHO) said in its weekly H1N1 update today. Flu activity seems to be waning in most of the rest of the Northern Hemisphere, but limited data indicate "high-intensity transmission" in Algeria, Tunisia, and Egypt. More than 208 countries and territories have reported confirmed H1N1 cases, with 12,220 deaths. [\[WHO H1N1 weekly update\]](#)



[DEC 30]

### [New RT-PCR tests yield promising results](#)

A study in the *Journal of Molecular Diagnostics* found that new rapid RT-PCR tests accurately detected influenza A and B and respiratory syncytial virus (RSV) in nasopharyngeal specimens. Semiautomated and fully automated versions of the RT-PCR assay were able to detect human H3N2 and H1N1, including novel H1N1, and could distinguish flu A of all subtypes from flu B and RSV. Both versions showed greater overall and flu-A-specific sensitivities than the FDA-approved ProFlu+ test. [\[Jan J Mol Diagn study\]](#)



[DEC 30]

### [Aid group: North Korea issues flu alert](#)

A humanitarian agency said North Korea recently issued a nationwide alert about its apparently worsening outbreak of pandemic flu, according to the *Washington Post*. The Seoul-based Buddhist aid group Good Friends said that North Korean officials declared that novel H1N1 patients should be given priority. The group said the statement was of a type issued only twice before, for war-related casualties in the 1950s and in 2002. South Korea has shipped 500,000 doses of antivirals to the North. [\[Dec 31 Washington Post article\]](#)

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

## Health Protection Agency (UK)



[DEC 31]

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

#### KEY POINTS

- Most indicators show that flu activity is continuing to decrease across the UK. Some caution must be exercised, however, as the indicators may be influenced by the holiday period.
- The consultation rate for flu-like illness in England from the Royal College of General Practitioners (RCGP) scheme has decreased to 12.7 per 100,000 in week 52 compared to 24.7 in week 51. This is below 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 regions and all age groups.



[DEC 31]

### [Weekly Epidemiological Update: 31 December 2009 \(Week 53\)](#)

#### Summary for 31 December 2009 (Week 53)

- Pandemic influenza activity is decreasing across the UK.
- In week 52 (ending 27 December), the weekly influenza/influenza-like illness (ILI) consultation rate decreased in England, Wales and Northern Ireland and remained below baseline levels. In Scotland, remained ILI rate was stable and just above the baseline level

- The [National Pandemic Flu Service](#) (NPFS) continues to issue antiviral drugs to people in England with an influenza-like illness who call or log onto the internet site. The number of assessments and antiviral collections through this service have decreased over the past week.
- The increase in respiratory syncytial virus detections observed in recent weeks has continued and may be reaching its peak.
- The main influenza virus circulating in the UK continues to be the pandemic (H1N1) 2009 strain, with few influenza H1 (non-pandemic), H3 and B viruses detected. Two seasonal influenza A (H3) viruses have been detected since week 49. Thirty-one of 4,563 pandemic viruses tested have been confirmed to carry a mutation which confers resistance to the antiviral drug oseltamivir; three are phenotypically resistant to the drug but retain sensitivity to zanamivir.
- The majority of pandemic influenza cases continue to be mild. The cumulative number of deaths reported due to pandemic (H1N1) 2009 in the UK is 305. There were a total of 608 new patients hospitalised in England with suspected pandemic influenza in the week from 24 to 30 December. The weekly hospitalisation rates have decreased in all age groups.
- The UK pandemic influenza vaccination programme continues for people at high risk for severe disease, health-care workers and healthy children aged between 6 months and 5 years. For further information see the [Department of Health website](#).
- According to the European Centre for Disease Prevention and Control, by 30 December, 12,866 deaths due to pandemic influenza had been reported globally. According to the World Health Organisation (23 December), pandemic influenza activity has recently peaked in much of the temperate zone of the northern hemisphere but activity continues to increase in the affected areas of central and south-eastern Europe. Transmission is still occurring in parts of Asia and is declining or remains unchanged in tropical regions.

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

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

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

*During the Holiday Period (24 December, 2009 to 3 January, 2010) and the following week (4-8 January, 2010), ECDC will follow a modified weekday publication schedule for the regular ECDC 2009 influenza A (H1N1) pandemic newsletters. The regular schedule for the ECDC 2009 influenza A (H1N1) pandemic newsletters will resume on Monday the 11<sup>th</sup> January, 2010.*



[DEC 31] [Daily update – Pandemic H1N1 2009 \(Dec 31 2009\)](#)

- WHO review of current influenza status – pandemic activity is seen just to the East of the EU
- Pandemic influenza 2009 A(H1N1) is predominating over seasonal influenza in all of the Northern Hemisphere
- WHO's Director General states it is premature to consider the pandemic as completed

- First published report of transmission of antiviral resistant pandemic 2009 H1N1 virus in the community – Viet Nam July 2009 - remains an unusual event
- Fourth European Medicines Agency pandemic pharmacovigilance report
- A total of 1 923 fatal cases in Europe and EFTA countries and 11 047 in the rest of the world have been reported up to date.

[DEC 24] [Weekly Influenza Surveillance Overview Week 51\(Dec 14-20\)](#)

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

## European Union

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

## Pan-American Health Organization (PAHO)

[DEC 24] [Regional Update. Pandemic \(H1N1\) 2009 \(Dec 22\)](#)

- In North America, acute respiratory disease activity continued to decrease and is lower than expected in some areas
- In the Caribbean, all countries reported unchanged and decreasing trends in acute respiratory disease, except Barbados, which reported an increasing trend
- Central America reported decreasing or unchanged trends in acute respiratory disease
- All South American countries reported a decreasing or unchanged trend of acute respiratory disease, except Ecuador which reported an increasing trend
- A median of 99.3% of subtyped influenza A viruses in North America were pandemic (H1N1) 2009
- 335 new confirmed deaths in 10 countries were reported; in total there have been 6,670 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.*

[DEC 28] [Australian Influenza Surveillance Summary Report No.32, 2009, Reporting Period: 12 December 2009 – 18 December 2009](#)

As at 18 December 2009, there have been 37,537 confirmed cases of pandemic (H1N1) 2009 and 191 deaths reported in Australia.

[DEC 23] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 166](#)

[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 30] [Pandemic \(H1N1\) 2009 - update 81](#)

[DEC 23] [Pandemic \(H1N1\) 2009 vaccine deployment update](#)

[DEC 22] [Comparing deaths from pandemic and seasonal influenza](#)  
Pandemic (H1N1) 2009 briefing note 20

[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 31] [Outbreak of 2009 Pandemic Influenza A \(H1N1\) at a New York City School](#)

Lessler J, Reich NG, Cummings DAT, and the New York City Department of Health and Mental Hygiene Swine Influenza Investigation Team. NEJM 2009 Dec 31: 361(27); 2619-2627.



- [DEC 31] [Household Transmission of 2009 Pandemic Influenza A \(H1N1\) Virus in the United States](#)  
Cauchemez S, Donnelly CA, Reed C, Ghani AC, Fraser C, Kent CK, et al. NEJM 2009 Dec 31; 361(27); 2619-2627.
- [DEC 30] [A Novel Type of Influenza Vaccine: Safety and Immunogenicity of Replication-Deficient Influenza Virus Created by Deletion of the Interferon Antagonist NS1\\*](#)  
Wacheck V, Egorov A, Groiss F, Pfeiffer A, Fuereeder T, Hoeflmayer D, et al., for the FluVacc European Union consortium. The Journal of Infectious Diseases 2010;201:000–000. DOI: 10.1086/649428
- [DEC 30] [A high dosage influenza vaccine induced significantly more neuraminidase antibody than standard vaccine among elderly subjects\\*](#)  
Cate TR, Rayford Y, Niño D, Winokur P, Brady R, Belshe R, et al. Vaccine. Electronic prepub. doi:10.1016/j.vaccine.2009.12.041.
- [DEC 30] [Letter to the Editor : Expected and unexpected adverse effects H1N1 vaccination for health care workers in a university hospital \\*](#)  
Aurelien Dinh<sup>c</sup>, Christine Lawrence<sup>d</sup>, Jérôme Salomon<sup>a, b</sup> and Alexis Descatha.  
Vaccine. Electronic prepub. doi:10.1016/j.vaccine.2009.12.030
- [DEC 30] [Humoral responses after influenza vaccination are severely reduced in patients with rheumatoid arthritis treated with rituximab.\\*](#)  
van Assen S, Holvast A, Benne CA, Posthumus MD, van Leeuwen MA, Voskuyl AE, et al. Arthritis Rheum. 2009 Dec 28;62(1):75-81. [Epub ahead of print]
- [DEC 30] [\[Swine flu \(H1N1\) pandemic: challenges and repercussions for the health care system.\]\\*](#)  
Astray Mochales J, Lópaz Pér MA. Farm Hosp. 2009 Nov-Dec;33(6):293-5. Spanish. No abstract available. PMID: 20038387 [PubMed - in process]
- [DEC 30] [Molecular prediction of oseltamivir efficiency against probable influenza A \(H1N1-2009\) mutants: molecular modeling approach.\\*](#)  
Rungrotmongkol T, Malaisree M, Nunthaboot N, Sompornpisut P, Hannongbua S. Amino Acids. 2009 Dec 27. [Epub ahead of print] PMID: 20037767 [PubMed - as supplied by publisher]
- [DEC 30] [Evaluation of the efficacy and cross-protectivity of recent human and swine vaccines against the pandemic \(H1N1\) 2009 virus infection.](#)  
Pascua PN, Song MS, Lee JH, Park KJ, Kwon HI, Baek YH, et al. PLoS One. 2009 Dec 23;4(12):e8431.PMID: 20037716
- [DEC 30] [Effect of the novel influenza A \(H1N1\) virus in the human immune system.](#)  
Giamarellos-Bourboulis EJ, Raftogiannis M, Antonopoulou A, Baziaka F, Koutoukas P, Savva A, et al. PLoS One. 2009 Dec 23;4(12):e8393.PMID: 20037642

- [DEC 30] [Broad-spectrum and virus-specific nucleic acid-based antivirals against influenza.\\*](#)  
Wong JP, Christopher ME, Salazar AM, Sun LQ, Viswanathan S, Wang M, et al. Front Biosci (Schol Ed). 2010 Jan 1;2:791-800.PMID: 20036985
- [DEC 30] [Predictors and Outcomes of Respiratory Failure among Hospitalized Pneumonia Patients with 2009 H1N1 Influenza in Taiwan.\\*](#)  
Chien YS, Su CP, Tsai HT, Huang AS, Lien CE, Hung MN, et al. J Infect. 2009 Dec 24. [Epub ahead of print]
- [DEC 30] [The experiences of health care workers employed in an Australian intensive care unit during the H1N1 Influenza pandemic of 2009: A phenomenological study.\\*](#)  
Corley A, Hammond NE, Fraser JF. Int J Nurs Stud. 2009 Dec 24. [Epub ahead of print]
- [DEC 30] [Emergency Calls for Swine Flu: How to Deal with Nuisance Calls?\\*](#)  
Wiwanitkit V. J Emerg Med. 2009 Dec 23. [Epub ahead of print]
- [DEC 30] [Simulating School Closure Strategies to Mitigate an Influenza Epidemic.\\*](#)  
Lee BY, Brown ST, Cooley P, Potter MA, Wheaton WD, Voorhees RE, et al. J Public Health Manag Pract. 2009 Dec 23. [Epub ahead of print]
- [DEC 30] [Nonventilatory strategies for patients with life-threatening 2009 H1N1 influenza and severe respiratory failure.\\*](#)  
Napolitano LM, Park PK, Raghavendran K, Bartlett RH. Crit Care Med. 2009 Dec 23. [Epub ahead of print]
- [DEC 30] [Through with the flu: how free family and caregiver immunization protects sick neonates.\\*](#)  
Burke BL Jr, Nesmith CC, Ott RE, Leigh Hedrick M. Clin Pediatr (Phila). 2010 Jan;49(1):20-3.
- [DEC 30] [Influenza pandemic preparedness and severity assessment of pandemic \(H1N1\) 2009 in South-east Asia.\\*](#)  
Kamigaki T, Oshitani H. Public Health. 2009 Dec 22. [Epub ahead of print]
- [DEC 30] [Optimizing allocation for a delayed influenza vaccination campaign.](#)  
Medlock J, Meyers LA. PLoS Curr Influenza. 2009 Dec 9:RRN1134.
- [DEC 30] [Swine-Origin Influenza A \(H1N1\) Viral Infection in Children: Initial Chest Radiographic Findings.](#)  
Lee EY, McAdam AJ, Chaudry G, Fishman MP, Zurakowski D, Boiselle PM. Radiology. 2009 Dec 23. [Epub ahead of print]
- [DEC 29] [Calculating the potential for within-flight transmission of influenza A \(H1N1\).](#)  
Wagner BG, Coburn BJ, Blower S. BMC Med. 2009 Dec 24;7(1):81. [Epub ahead of print]

- [DEC 29] [Serum Antibody Response to the Novel Influenza A \(H1N1\) Virus in the Elderly.](#)  
Jiang T, Li X, Liu W, Yu M, Liu J, Yu X, et al. Clin Infect Dis. 2010 Jan 15;50(2):285-6.
- [DEC 29] [Anti N1 Cross-Protecting Antibodies Against H5N1 Detected in H1N1 Infected People.](#)  
Frobert E, Bouscambert-Duchamp M, Escuret V, Mundweiler S, Barthélémy M, Morfin F, et al. Curr Microbiol. 2009 Dec 25. [Epub ahead of print]
- [DEC 29] [Household Responses to Pandemic \(H1N1\) 2009-related School Closures, Perth, Western Australia](#)  
P.V. Effler et al. Emerg Infect Dis
- [DEC 29] [Employment and Compliance with Pandemic Influenza Mitigation Recommendations](#)  
K.D. Blake et al. Emerg Infect Dis
- [DEC 29] [Serologic Cross-Reactivity with Pandemic \(H1N1\) 2009 Virus in Pigs, Europe.](#)  
Kyriakis CS, Olsen CW, Carman S, Brown IH, Brookes SM, Doorselaere JV, Reeth KV. Emerg Infect Dis. 2010 Jan;16(1):96-9.
- [DEC 29] [Severe Pneumonia Associated with Pandemic \(H1N1\) 2009 Outbreak, San Luis Potosi, Mexico.](#)  
Gomez-Gomez A, Magana-Aquino M, Garcia-Sepulveda C, Ochoa-Perez UR, Falcon-Escobedo R, Comas-Garcia A, et al. Emerg Infect Dis. 2010 Jan;16(1):27-34.
- [DEC 29] [Epidemiology of Travel-associated Pandemic \(H1N1\) 2009 Infection in 116 Patients, Singapore.](#)  
Mukherjee P, Lim PL, Chow A, Barkham T, Seow E, Win MK, et al. Emerg Infect Dis. 2010 Jan;16(1):21-6.
- [DEC 29] [Laboratory Surge Response to Pandemic \(H1N1\) 2009 Outbreak, New York City Metropolitan Area, USA.](#)  
Crawford JM, Stallone R, Zhang F, Gerolimatos M, Korologos DD, Sweetapple C, et al. Emerg Infect Dis. 2010 Jan;16(1):8-13.
- [DEC 29] [Egg allergy and influenza vaccination.](#)  
Settipane RA, Siri D, Bellanti JA. Allergy Asthma Proc. 2009 Nov-Dec;30(6):660-5.

## 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](#)