

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of December 24, 2009 at 4pm*

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## Highlights

- PHAC: [Deaths Associated with H1N1 flu virus in Canada](#)
- New deaths reported Dec 17 – Dec 23 11h00 EDT: 4
  - Cumulative total: 401
- CDC: [UPDATED: Laboratory Confirmed Influenza-Associated Hospitalizations and Deaths from August 30 to December 19, 2009](#)
- PAHO: [Regional Update. Pandemic \(H1N1\) 2009 \(Dec 22\)](#)
- HPA: [Weekly Pandemic Flu Media Update](#)
- [Weekly Epidemiological Update: 17 December 2009 \(Week 51\)](#)
- ECDC: [Weekly Influenza Surveillance Overview Week 51\(Dec 14-20\)](#)

## Literature -----

- Med J Aust: [ASID \(HICSIG\) position statement: infection control guidelines for patients with influenza-like illnesses, including pandemic \(H1N1\) influenza 2009, in Australian health care facilities.](#)
- NEJM: [Severe 2009 H1N1 Influenza in Pregnant and Postpartum Women in California](#)
- [Pediatric Hospitalizations Associated with 2009 Pandemic Influenza A \(H1N1\) in Argentina](#)
- ECDC Rev: [2009 pandemic influenza A\(H1N1\) virus mutations reported to be associated with severe disease](#)
- [A cluster of oseltamivir resistant 2009 pandemic influenza A\(H1N1\) viruses was reported in Viet Nam. No evidence of further community transmission of resistant viruses](#)

## News -----

- STMS: [Seasonal flu vaccine may boost H1N1 vaccine effect](#)
- Reuters: [H1N1 has multitude of competitors](#)

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### Updates by Jurisdiction

#### **Ontario**

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

#### **Canada**

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

#### **United States**

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

#### **Europe**

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

#### **International**

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

[Consumer Health Information 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)
- [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 18] [Ontario Influenza Bulletin Surveillance Week 49 \(December 06, 2009–December 12, 2009\)](#)
- [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 23] [Deaths Associated with H1N1 flu virus in Canada](#)
- New deaths reported Dec 17 – Dec 23 11h00 EDT: 4
  - Cumulative total: 401
- [DEC 18] [FluWatch: December 6, 2009 to December 12, 2009](#)
- On week 49, the overall influenza activity continued to decline for the fourth consecutive week in Canada.
  - The ILI consultation rate was below the expected range for this time of the year and only 6.6% of the specimens tested were positive for influenza. The Pandemic (H1N1) 2009 strain still accounted for nearly 100% of the positive influenza A subtyped specimens this week.
  - The number of hospitalized cases (159 vs. 307), ICU admissions (40 vs. 83) and deaths (21 vs. 33) reported this week are about half of those reported last week. Among reporting provinces and territories (PTs) this week, hospitalized cases occurred in only six provinces (BC, AB, SK, ON, QC & NS). Deaths reported this week were also from the same five provinces except MB (BC, AB, SK, MB, ON & QC).
  - From August 30 to December 12, 2009, a total of 6,779 hospitalized cases including 1,081 (15.9%) cases admitted to an intensive care unit (ICU) as well as 313 (4.6%) deaths had been reported.
- [DEC 18] [Vaccine Surveillance Report](#)
- [DEC 17] [Holiday Health Tips](#)
- [DEC 17] [Travellers and the H1N1 Flu Virus](#)
- [DEC 15] [Guidance: Infection Prevention and Control Measures for Occupational Health Management for all Health Care Settings](#)
- [ARCHIVED] [Previous PHAC documents and updates](#)

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



- [DEC 24] [UPDATED: Laboratory Confirmed Influenza-Associated Hospitalizations and Deaths from August 30 to December 19, 2009](#)  
Flu activity continued to decline in the United States during the week of December 13-19, 2009, as reported in FluView. The number of states reporting widespread flu activity decreased from 11 to 7. Visits to doctors for influenza-like illness, flu-associated hospitalizations, and flu-associated deaths all declined from the previous week. Flu is unpredictable and activity can rise and fall throughout the season, but flu is likely to continue for months caused by either 2009 H1N1 viruses or regular seasonal flu viruses. In addition to seasonal flu vaccine, a vaccine against the 2009 H1N1 virus has been produced and is the best way to protect against the pandemic virus. Supplies of this vaccine are increasing and many places have opened up vaccination to anyone who wants it.
- [DEC 23] [CDC: 2009 H1N1 Influenza Vaccination Coverage Survey for Dec 6-12](#)  
The National 2009 H1N1 Flu Survey (NHFS) is a nationally representative telephone survey that utilizes both land-line and cell phones. It is designed to get completed interviews with 6,000 households per month and to provide vaccine coverage estimates for adults and children.
- [DEC 23] [NEW: Voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza](#)
- [DEC 22] [Treat Dry Cough](#)
- [DEC 22] [Treat Other Flu Symptoms](#)
- [DEC 22] [Treat Fever](#)
- [DEC 22] [When to Get Medical Help for Fluid Loss](#)
- [DEC 22] [Check for Fluid Loss](#)
- [DEC 22] [Tips to Prevent Fluid Loss \(Dehydration\)](#)
- [DEC 22] [Flu Germs are Spread from Person to Person](#)
- [DEC 22] [Know the Emergency Warning Signs](#)
- [DEC 22] [Know the Symptoms of Flu](#)
- [DEC 22] [2009 H1N1 Flu May Be More Serious for Some](#)
- [DEC 22] [About 2009 H1N1 Flu](#)
- [DEC 22] [UPDATED: What You Should Know and Do this Flu Season If You Are 65 Years and Older](#)

- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) Fact Sheet for Patients \(PDF\)](#)
- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) Fact Sheet for Health Care Providers \(PDF\)](#)
- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) EUA Letter \(PDF\)](#)
- [DEC 21] [UPDATED: Vaccine Information for Clinicians and Health Care Professionals](#)
- [DEC 18] [UPDATE: Influenza and Pneumonia-Associated Hospitalizations and Deaths from August 30 to December 12, 2009](#)
- [DEC 17] [NEW: Updated Interim Recommendations: Special Considerations for Clinicians Regarding 2009 H1N1 Influenza in Severely Immunosuppressed Patients](#)
- [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 23] [WHO: Flu activity still up in some areas](#)  
 Pandemic activity seems to have peaked in most of the Northern Hemisphere, except for areas that were affected later, such as Eastern Europe and parts of Asia, the World Health Organization (WHO) reported today. Increases are being reported from South Asian countries such as India, Nepal, and Sri Lanka. Elsewhere, Barbados and Ecuador are noting spikes in respiratory illnesses. In Europe, the pandemic virus is predominant, but low levels of the three seasonal subtypes are circulating. [[Dec 23 WHO update](#)]



- [DEC 23] [Study: Kids' death rate 10 times that of seasonal flu](#)  
 A retrospective study of children in Argentina showed twice the rate of hospitalization and 10 times the rate of death compared with seasonal flu, a *New England Journal of Medicine* study published today found. Of the 251 patients, 47 (19%) required intensive care, 42 (17%) were placed on ventilators, and 13 (5%) died. Of those who died, all but one were under 9 years old, and six were under 1. [[Dec 23 N Engl J Med study](#)]



- [DEC 23] [H1N1 has multitude of competitors](#)  
 Samples from patients with respiratory disease sent to a lab company show that H1N1 is far from the only virus circulating in the United States this flu season and that other flu-like viruses are more common than usual. ViraCor Laboratories of Kansas

City, Mo., reports that only 6% of specimens they tested were positive for influenza A. The most common virus found was rhinovirus, with metapneumovirus, respiratory syncytial virus, parainfluenza virus, and adenovirus also figuring in. [[Dec 22 Reuters article](#)]



[DEC 23] [Report finds TV most potent flu communicator](#)

An August survey of two North Carolina counties found that most people (85%) received their H1N1 information from television, followed by newspapers (52%) according to the Dec 25 issue of *Morbidity and Mortality Weekly Report (MMWR)*. The authors urge officials to focus more messages on TV. About 64% of adults said they would get the H1N1 vaccine, with 65% intending to get it for their kids. Safety concerns and low chance of infection were top reasons for not intending to get it. [[Dec 25 MMWR report](#)]



[DEC 23] [School closings can cause adults to lose pay](#)

A phone survey that gauged the impact of a 2008 flu school closure on two Kentucky school districts found that an adult missed work in about a third of the families, with a worker losing pay in 15%, according to a report in the Dec 25 issue of *MMWR*. The school closed for administrative reasons, but most parents thought it was to stem the outbreak. Findings suggest districts should provide rationale for school closings and recommend how to reduce flu spread while kids are home. [[Dec 25 MMWR report](#)]



[DEC 23] [Seasonal flu vaccine may boost H1N1 vaccine effect](#)

Receiving a prior seasonal flu shot may boost the effectiveness of the H1N1 vaccine, according to a study today in *Science Translational Medicine*. In the study, groups of ferrets who received seasonal flu vaccine a month before H1N1 vaccination showed stronger antibody responses when exposed to the virus than ferrets vaccinated for H1N1 alone--and those responses were greatest when the ferrets received seasonal vaccine with an adjuvant, an immune-boosting substance. [[Dec 23 Science Trans/ Med study](#)]

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

## Health Protection Agency (UK)



[DEC 24] [Weekly Pandemic Flu Media Update](#)

### KEY POINTS

- The consultation rate for flu-like illness in England from the Royal College of General Practitioners (RCGP) scheme has decreased to 24.7 per 100,000 in week 51 compared to 29.7 in week 50. This is below the English baseline threshold of 30/100,000.
- Most indicators show that swine flu activity is continuing to decrease across the UK.
- 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.
- 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 6,000 new cases in England last week (range 3,000 to 13,000) which represents a small decrease from the previous week.  
*This estimate incorporates data from National Pandemic Flu Service and GP consultations.*



[DEC 24]

## [Weekly Epidemiological Update: 17 December 2009 \(Week 51\)](#)

### **Summary for 24 December 2009 (Week 52)**

- Pandemic influenza activity is decreasing across the UK.
- In week 51 (ending 20 December), the weekly influenza/influenza-like illness (ILI) consultation rate decreased, remaining below baseline levels in England, Wales and Northern Ireland; it increased slightly in Scotland.
- 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.
- 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 6,000 (range 3,000 – 13,000) new clinical cases in England in week 51. The estimated number of new cases has decreased in all regions and age groups.
- The increase in respiratory syncytial virus detections observed in recent weeks has slowed and may be declining.
- 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. Thirty of 4,464 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 300. There were a total of 852 new patients hospitalised in England with suspected pandemic influenza in the week from 17 to 23 December. The weekly hospitalisation rates have decreased in most 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 16 December, 11,188 deaths due to pandemic influenza had been reported globally. According to the World Health Organisation (18 December), pandemic influenza activity has passed its peak in many places, particularly North America, but activity continues to increase in the later affected areas of central and south-eastern Europe. Transmission is still occurring in parts of Asia, is declining in tropical regions and pandemic influenza 2009 virus continues to be detected in Africa.

[DEC 22]

## Update to [Swine Flu: Frequently Asked Questions](#)



- [DEC 18] [New Advice for Health Professionals: Inpatient clinical management issues relating to oseltamivir-resistant pandemic \(H1N1\) 2009 influenza virus](#)
- [DEC 18] [New advice for health professionals: Antiviral susceptibility testing of pandemic \(H1N1\) 2009 influenza viruses.](#)
- [DEC 18] [New advice for health professionals: Pandemic \(H1N1\) 2009 influenza testing in the critical care setting.](#)
- [DEC 18] [New advice for health professionals: Oseltamivir-resistant pandemic \(H1N1\) 2009 influenza case and cluster investigation.](#)
- [ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

- [DEC 16] [A \(H1N1\) swine flu influenza: phase two of the vaccination programme; children over 6 months and under 5 years: dosage schedule update](#)
- [ARCHIVE] [DH Pandemic Flu site](#)

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



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



- [DEC 23] [Daily update – Pandemic H1N1 2009 \(Dec 23 2009\)](#)

Update and WISO for Holiday period:

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. No newsletters will be produced on the Friday 25th of December (Christmas Day) or Wednesday the 6th of January (Epiphany), which are ECDC and Public Holidays in Sweden.

During the above mentioned period, the ECDC ), Daily Update will be published during the regular weekdays 31st of December (New Years Eve), but released at 14:00 in the afternoon (2 pm) instead of the regular time of 9:00 in the morning.

The ECDC Weekly Influenza Surveillance Overview (WISO) will be produced on Thursday the 24th of December. The next WISO is scheduled for Friday the 8th of January. An additional WISO will be produced on either the 31<sup>st</sup> (New Years Eve) or Tuesday the 5th of January. The New Years Eve WISO issue is produced only if major changes in the situation are detected. Otherwise it will be postponed to be released on the 5th of January, 2010.

The regular schedule for the ECDC 2009 influenza A (H1N1) pandemic newsletters will resume on Monday the 11<sup>th</sup> January, 2010.

- Reminder of schedules for ECDC Daily Update and WISO for Holiday period;
- WHO update: Pandemic (H1N1) 2009 briefing note 20
- Swedish vaccination coverage estimated at 61 per cent, may exceed 70
- European Medicines Agency report to be released on the 23rd of December
- A total of 1 702 fatal cases in Europe and EFTA countries and 10 496 in the rest of the world have been reported up to date



[DEC 23] [2009 pandemic influenza A\(H1N1\) virus mutations reported to be associated with severe disease](#)



[DEC 23] [A cluster of oseltamivir resistant 2009 pandemic influenza A\(H1N1\) viruses was reported in Viet Nam. No evidence of further community transmission of resistant viruses](#)

[DEC 21] [ECDC Executive Update Pandemic influenza \(H1N1\) 2009 Issue 23 Monday, 14 December 2009](#)

[DEC 17] [ECDC Risk Assessment – Pandemic H1N1 – Update 7](#)

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

[DEC 21] [Australian Influenza Surveillance Summary Report No.30, 2009, Reporting Period: 05 December 2009 – 11 December 2009](#)

As at 11 December 2009, there had been 37,484 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 23] [Pandemic \(H1N1\) 2009 - update 80](#)

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

[DEC 21] [Transcript of the 17 December 2009 press briefing](#)

[DEC 18] [Pandemic \(H1N1\) 2009 - update 79](#)

[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 24] [Cytokine Profiles Induced by the Novel Swine-Origin Influenza A/H1N1 Virus: Implications for Treatment Strategies](#)

Woo PCY, Tung ETK, Chan KH, Lau CCY, Lau SKP, Yuen KY. *The Journal of Infectious Diseases* 2010;201:000–000 DOI: 10.1086/649785



[DEC 24] Correspondence: [Intravenous Zanamivir for Oseltamivir-Resistant 2009 H1N1 Influenza](#)

Published at [www.nejm.org](http://www.nejm.org) December 23, 2009 (10.1056/NEJMc0910893)



[DEC 24] [Severe 2009 H1N1 Influenza in Pregnant and Postpartum Women in California](#)

Louie JK, Acosta M, Jamieson DJ, Honein MA for the California Pandemic (H1N1) Working Group. Published at [www.nejm.org](http://www.nejm.org) December 23, 2009 (10.1056/NEJMoa0910444)



[DEC 24] [Pediatric Hospitalizations Associated with 2009 Pandemic Influenza A \(H1N1\) in Argentina](#)

Libster R, Bugna J, Coviello S, Hijano DR, Dunaiewsky M, Reynoso N. Published at [www.nejm.org](http://www.nejm.org) December 23, 2009 (10.1056/NEJMoa0907673)



[DEC 24] [Clinical research ethics for critically ill patients: A pandemic proposal.](#)

Cook D, Burns K, Finfer S, Kissoon N, Bhagwanjee S, Annane D, et al. *Crit Care Med.* 2009 Dec 19. [Epub ahead of print] PMID: 20029349



[DEC 24] [Clinical characteristics of the H1N1 virus.](#)

Abbas SA. *Thorax.* 2010 Jan;65(1):38. No abstract available. PMID: 20029036



[DEC 24] [Detection of molecular markers of drug resistance in the 2009 pandemic influenza A \(H1N1\) viruses using pyrosequencing.](#)

Deyde VM, Sheu TG, Trujillo AA, Okomo-Adhiambo M, Garten R, Klimov AI, Gubareva LV. *Antimicrob Agents Chemother.* 2009 Dec 22. [Epub ahead of print] PMID: 20028826

- [DEC 24] [ASID \(HICSIG\) position statement: infection control guidelines for patients with influenza-like illnesses, including pandemic \(H1N1\) influenza 2009, in Australian health care facilities.](#)  
Stuart RL, Cheng AC, Marshall CL, Ferguson JK. Med J Aust. 2009 Dec 1-15;191(11-12):667. No abstract available. PMID: 20028302
- [DEC 24] [Simultaneous epidemics of influenza and malaria in the Australian Army in Palestine in 1918.](#)  
Shanks GD. Med J Aust. 2009 Dec 1-15;191(11-12):654-7. PMID: 20028296
- [DEC 24] [Trust Across Borders: Responding to 2009 H1N1 Influenza in the Middle East.](#)  
Gresham L, Ramlawi A, Briski J, Richardson M, Taylor T. Biosecur Bioterror. 2009 Dec;7(4):399-404. PMID: 20028248
- [DEC 24] [\[743 New York Emergency Room rotation under the threat of swine flu\]](#)  
Shallom G, Sagy I. Harefuah. 2009 Nov;148(11):743-4. Hebrew. No abstract available. PMID: 20027972
- [DEC 24] [\[Influenza A/H1N1 in Israel--clinical and epidemiological characteristics\]](#)  
Balicer RD, Anis E, Goldmann D, Dahan D, Singer R, Grotto I. Harefuah. 2009 Nov;148(11):738-42, 795. Hebrew. PMID: 20027971
- [DEC 24] [Influenza epidemiology-past, present, and future.](#)  
Lagacé-Wiens PR, Rubinstein E, Gumel A. Crit Care Med. 2009 Dec 19. [Epub ahead of print] PMID: 20029350
- [DEC 23] [Immunogenicity and safety in adults of one dose of influenza A H1N1v 2009 vaccine formulated with and without AS03<sub>A</sub>-adjuvant: Preliminary report of an observer-blind, randomized trial \\*](#)  
Roman F, Vaman T, Gerlach B, Markendorf A, Gillard P, Devaster JM. Vaccine, Article in Press, Uncorrected Proof. doi:10.1016/j.vaccine.2009.12.014
- [DEC 23] [Intent to Receive Influenza A \(H1N1\) 2009 Monovalent and Seasonal Influenza Vaccines --- Two Counties, North Carolina, August 2009](#)  
MMWR December 25, 2009 / 58(50);1401-1405
- [DEC 23] [Impact of Seasonal Influenza-Related School Closures on Families --- Southeastern Kentucky, February 2008](#)  
MMWR December 25, 2009 / 58(50);1405-1409
- [DEC 23] [Breaking the Waves: Modelling the Potential Impact of Public Health Measures to Defer the Epidemic Peak of Novel Influenza A/H1N1.](#)  
An der Heiden M, Buchholz U, Krause G, Kirchner G, Claus H, Haas WH. PLoS One. 2009 Dec 21;4(12):e8356. PMID: 20027293 [PubMed - in process]

- [DEC 23] [Pandemic Influenza H1N1 2009, Innate Immunity, and the Impact of Immunosenescence on Influenza Vaccine.\\*](#)  
Joshi SR, Shaw AC, Quagliarello VJ. Yale J Biol Med. 2009 Dec;82(4):143-51.PMID: 20027279 [PubMed - in process]
- [DEC 23] [Human host factors required for influenza virus replication.](#)  
König R, Stertz S, Zhou Y, Inoue A, -Heinrich Hoffmann H, Bhattacharyya S, et al. Nature. 2009 Dec 21. [Epub ahead of print]PMID: 20027183 [PubMed - as supplied by publisher]
- [DEC 23] [H1N1 Influenza in Pregnancy: Cause for Concern.\\*](#)  
Spradlin TL, Clardy BH, Payne EM, Vinson J. Obstet Gynecol. 2010 Jan;115(1):185. No abstract available. PMID: 20027058 [PubMed - in process]
- [DEC 23] [H1N1 Influenza in Pregnancy: Cause for Concern.\\*](#)  
Saleeby E, Chapman J, Morse JE, Bryant A. Obstet Gynecol. 2010 Jan;115(1):185-6. No abstract available. PMID: 20027057 [PubMed - in process]
- [DEC 23] [H1N1 Vaccine for Prevention of Pandemic Influenza.\\*](#)  
[No authors listed] Obstet Gynecol. 2010 Jan;115(1):173-4. No abstract available. PMID: 20027051 [PubMed - in process]
- [DEC 23] [Pandemic influenza A \(H1N1\) 2009: the experience of the first six months.\\*](#)  
Maritz J, Maree L, Preiser W. Clin Chem Lab Med. 2009 Dec 22. [Epub ahead of print]PMID: 20025556 [PubMed - as supplied by publisher]
- [DEC 23] [Pandemic influenza dynamics and the breakdown of herd immunity.](#)  
Katriel G, Stone L. PLoS Curr Influenza. 2009 Oct 1:RRN1046.PMID: 20025204 [PubMed - as supplied by publisher]
- [DEC 23] [Point of Care strategy for rapid diagnosis of novel A/H1N1 influenza virus.](#)  
Nougairede A, Ninove L, Zandotti C, De Lamballerie X, Gazin C, Drancourt M, et al. PLoS Curr Influenza. 2009 Sep 21:RRN1039.PMID: 20025202 [PubMed - as supplied by publisher]
- [DEC 23] [Behavioural responses to influenza pandemics: What do we know?](#)  
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## Travel Advisories

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