

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of December 30, 2009 at 4pm

Highlights

MOHLTC: [Ontario Influenza Bulletin Surveillance Week 49 \(December 13, 2009– December 19, 2009\)](#)

WHO: [Chan calls for continued vigilance against H1N1](#)

Literature -----

J Infect Dis: [A Novel Type of Influenza Vaccine: Safety and Immunogenicity of Replication-Deficient Influenza Virus Created by Deletion of the Interferon Antagonist NS1](#)

Vaccine: [A high dosage influenza vaccine induced significantly more neuraminidase antibody than standard vaccine among elderly subjects](#)

[Letter to the Editor : Expected and unexpected adverse effects H1N1 vaccination for health care workers in a university hospital](#)

PLoS One: [Evaluation of the efficacy and cross-protectivity of recent human and swine vaccines against the pandemic \(H1N1\) 2009 virus infection.](#)

[Effect of the novel influenza A \(H1N1\) virus in the human immune system.](#)

Int J Nurs Stud: [The experiences of health care workers employed in an Australian intensive care unit during the H1N1 Influenza pandemic of 2009: A phenomenological study.*](#)

J Emerg Med: [Emergency Calls for Swine Flu: How to Deal with Nuisance Calls?*](#)

News -----

CIDRAP: [Vical says DNA flu vaccine formulated quickly](#)

Contents

[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
- [ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online learning program for health professionals
- To access the program:
www.mdBriefCase.com (for physicians)
www.rxBriefCase.com (for pharmacists)
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.
- [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 7th](#)

[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](#)

[DEC 18] [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 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 29] [Chan calls for continued vigilance against H1N1](#)
Robert Roos ■ News Editor (CIDRAP News) – Dr. Margaret Chan, director-general of the World Health Organization (WHO), said today that the H1N1 influenza pandemic isn't over and requires careful monitoring for up to another year. "It's too premature and too early for us to say we're coming to an end of the pandemic influenza worldwide," Chan said in response to a question at a year-end press conference in Geneva. "It would be prudent and appropriate for WHO, together with member states, to continue to monitor the evolution of this pandemic for the next 6 to 12 months."



- [DEC 29] [School closings don't keep kids home](#)
A study in *Emerging Infectious Diseases* today found that, while almost half (47%) of Australian parents surveyed supported school closures, the step decreased parents' work time while doing little to keep kids home. The study of 233 children affected by school closings found that 45% of parents of asymptomatic children took at least 1 day off work. And 74% of kids reported at least one activity away from home during the closure, averaging almost four such outings per student. [[Dec 29 Emerg Infect Dis study](#)]

- [DEC 29] [No leukocytosis may be key flu indicator](#)
A study in *PLoS One* of 100 cases each of confirmed novel H1N1 flu, seasonal flu, and non-flu acute respiratory illness found very similar clinical profiles between pandemic and seasonal flu. The authors found that the sensitivity and specificity of WHO and CDC influenza-like illness (ILI) clinical criteria were modest in predicting flu. However, the combination of WHO ILI criteria with the absence of leukocytosis (a high white blood cell count) greatly improved diagnostic accuracy. [[Dec 29 PLoS One study](#)]



[DEC 29]

[Chile reports 3 H1N1 reinfections](#)

In a letter in *Emerging Infectious Diseases*, Chilean physicians describe pandemic flu reinfection in three patients, ages 14, 38, and 62 years. Both initial and repeat infections were confirmed via polymerase chain reaction (PCR) test, considered very reliable. The authors attributed the reinfections, which occurred 2 to 3 weeks after <http://www.worldscinet.com/gtr/04/0401/S1568558609000084.html> recovery from the initial illness, to incomplete immunity after the first infection and said one or two may result from exposure in the hospital. [[Letter in Jan Emerg Infect Dis](#)]



[DEC 29]

[Vical says DNA flu vaccine formulated quickly](#)

The pharmaceutical company Vical formulated an adjuvanted DNA-based vaccine against H1N1 influenza more rapidly than any of the companies relying on chicken eggs or cell-culture techniques, and demonstrated its immunogenicity in mice and rabbits, according to an article in *Gene Therapy and Regulation*. Vical, based in San Diego, has a \$1.25 million contract with the US Navy for a phase 1 trial of a DNA-based vaccine against H1N1 flu. [[Gene Ther Regul study abstract](#)]

[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.
- The increase in respiratory syncytial virus detections observed in recent weeks has slowed and may be declining. [*for more updates, click on the link above*]

[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 11th January, 2010.



[DEC 30] [Daily update – Pandemic H1N1 2009 \(Dec 30 2009\)](#)

- France: Estimations of the numbers of persons infected with or immunised against 2009 (H1N1) – mid December.
- Documentation of changing transmissibility of the 1968 H3N2 influenza pandemic and a larger second winter wave.
- A total of 1 869 fatal cases in Europe and EFTA countries and 10 997 in the rest of the world have been reported up to date.

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

[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](#)

[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 23] [Pandemic \(H1N1\) 2009 vaccine deployment update](#)
- [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](#)
- [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 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, Fuereder 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^c, Christine Lawrence^d, Jérôme Salomon^{a, b} 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, Gerolimos 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.
- [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 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 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 December 23, 2009 (10.1056/NEJMoa0907673)
- [DEC 24] [Clinical research ethics for critically ill patients: A pandemic proposal.](#)
Cook D, Burns K, Finfer S, Kisooson 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

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](#)