

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of November 30, 2009 at 4pm

Highlights

MOHLTC: [Ontario Influenza Bulletin Surveillance Week 46 \(Nov15– Nov21, 2009\)](#)

PHAC: "H1N1 and Pregnancy: Key Considerations for Vaccination and Management"
www.mdBriefCase.com (for physicians)
www.rxBriefCase.com (for pharmacists)
www.AdvancingIn.com (for nurses and other healthcare)

UK DoH: [Swine flu H1N1: Update on guidance for preparing maternity services toolkit](#)

Literature -----

Med J Australia; [The rational clinician in a pandemic setting](#)

[The changing phases of pandemic \(H1N1\) 2009 in Queensland: an overview of public health actions and epidemiology](#)

[Comparison of adult patients hospitalised with pandemic \(H1N1\) 2009 influenza and seasonal influenza during the "PROTECT" phase of the pandemic response](#)

Virology J: [From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)

News -----

Recombinomics: [D225G Swine Flu Strain Spreading Around World?](#)

Reuters: [United Kingdom: cluster investigation, all Oseltamivir-resistant](#)

Recombinomics: [H1N1 evolution outpacing vaccine development](#)

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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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[Australia and New Zealand](#)

Other 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

[NOV 30] Webcast: [Planning for a Pandemic - Can History Inform Action?](#)
Date: Monday, November 30, 2009, Monday at 13:00 (EST)
Reserve your Webinar seat now at:
<https://www2.gotomeeting.com/register/941279587>



[ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online Learning Program for Health Professionals
Learning objectives:

1. Appreciate the risks posed by H1N1 infection to pregnant women and the fetus.
2. Identify the position of pregnant women in the Canadian and Provincial H1N1 vaccine priority lists.
3. Identify the benefits and risks of H1N1 vaccination in pregnancy.
4. Understand the differences between adjuvanted and unadjuvanted H1N1 vaccines for pregnant women.
5. Review clinical management considerations regarding the timing and mode of delivery of pregnant women requiring hospitalization for H1N1 influenza-like-illness (ILI).
6. Discuss the role of antiviral agents in pregnant women with H1N1 infection.

We encourage all health professionals to participate in the program. Registration is free. It takes approximately 1 hour to complete the program. The English version is now available. The French version will be posted on December 3rd.

To access the program:

www.mdBriefCase.com (for physicians)

www.rxBriefCase.com (for pharmacists)

www.AdvancingIn.com (for nurses and other healthcare professionals)

Archived

[NOV 23] Know what to do about the flu: Special Webcast for Bloggers
Date: November 23, 2009
Guests: Rear Admiral Anne Schuchat, CDC
<http://flu.gov/news/knowwhattodo.html>

[NOV 18] [Clinical Laboratory Management Association: Review Epidemiology of Novel H1N1](#)

[NOV 10] [Assembly of First Nations and Health Canada to Co-host a Virtual Summit on H1N1 Preparedness November 10th, 2009](#)

[ARCHIVED] [COCA conference calls](#)

[ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)

[ARCHIVED] [Know what to do about the flu](#): webcast series from the U.S flu.gov

Ministry of Health and Long-Term Care (MOHLTC)



[NOV 27] [Ontario Influenza Bulletin Surveillance Week 46 \(November 15, 2009–November 21, 2009\)](#)

Overall, influenza activity in Ontario during week 46, 2009, was **lower** when compared to week 45, 2009. Ontario health units reported 960 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 439 laboratory confirmed cases of pH1N1. During week 46, new laboratory confirmed cases of pH1N1 continued to be seen in all regions of Ontario. No new institutional influenza outbreaks were reported. For week 46, two health units reported widespread influenza activity and thirteen health units reported localized activity, and the remaining health units reported ‘sporadic’ level influenza activity. The rate of influenza-like illness (ILI) in patients seen by sentinel physicians remained higher than the range that is expected for this time of the year based on the average ILI rate reported in week 46 from previous years. Sixteen new deaths were reported from November 18 to November 25 compared to eighteen new deaths reported from November 12 to November 18.

[NOV 27] [“Join the Resistance” Ad Campaign Launch](#)

Ontario has launched a \$650,000 ad campaign to encourage college and university students to roll up their sleeves for the H1N1 flu shot. The ministry has arranged an e-mail blast about joining the resistance to more than 400,000 college/university students across the province. This is being done via 53 presidents of the Canadian Federation of Students and the College Students Alliance Students’ Unions who are deploying the message to their student base. We have also sent posters to public health units to support clinics ongoing through the end of the school semester.

[NOV 26] [Guidance for Management of Persons with Influenza-like Illness in Group Homes during the Pandemic \(H1N1\) 2009](#)

[NOV 23] [Ontario Influenza Bulletin: Surveillance Week 45](#)

For the surveillance period of November 8 to November 14, 2009 :

- Influenza activity in Ontario is lower compared to the previous week.
- Fewer patients reporting influenza-like symptoms consulted sentinel physicians this week than the previous week.
- However, the rate of influenza-like illness (ILI) in patients seen by sentinel physicians continues to be above the average rate expected at this time of year.
- The ILI consultation rate is still more than double what Ontario has seen at the peak of past regular flu seasons.
- Eleven health units reported widespread influenza activity for the current reporting week. Thirteen health units reported localized influenza activity and 10 health units reported sporadic influenza activity.
- There are 7,793 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

[NOV 20] [Frequently Asked Questions on Pandemic \(H1N1\) 2009 for Health Care Providers](#)

[NOV 20] No H1N1 flu vaccine from lot A80CA007A has been administered in Ontario.

[NOV 18] [Immunization Program Open to All Ontarians on November 19](#)

[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 (O AHPP)

[NOV 24] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Nov 20, 2009\)](#)

[NOV 23] [Ontario Agency for Health Protection and Promotion Laboratory Pandemic H1N1 Surveillance Report](#)

[ARCHIVED] [Swine influenza outbreak page](#)

Public Health Agency of Canada (PHAC)

PHAC issues national updates on H1N1-associated deaths on Tuesdays and Thursdays at 4 pm, and will report regularly on any unusual outbreaks or clusters of illness.

[NOV 27] [FluWatch Nov. 15 - 21, 2009 \(Week 46\)](#)

Nationally, the activity level reported this week decreased compared to the previous week. All influenza indicators declined during week 46.

- A possible epidemic peak has been reached by all provinces and territories.
- 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 still high with 1,554 hospitalizations, 243
- ICU admissions and 61 deaths reported this week. Hospitalized cases occurred in all provinces and territories (P/T) that reported this week while the deaths were from all P/T except PE, NL and NU. From
- August 30 to November 21, 2009, a total of 5,507 hospitalized cases including 819 (14.9%) cases admitted to an intensive care unit (ICU) as well as 203 deaths had been reported.
- While the number of hospitalized cases, ICU admissions and deaths reported this week decreased, the number of hospitalizations was higher than the overall number of hospitalizations for the first wave.
- The proportion of severe cases (ICU admissions and deaths) among all hospitalized cases was lower in the second wave than in the first wave

[NOV 27] [Deaths Associated with H1N1 flu virus in Canada](#) (as of Nov 26)

- New deaths reported Nov 24 - 26: 30
- Cumulative total: 309

- [NOV 27] [Weekly Distribution of the H1N1 Flu Vaccine](#)
- [NOV 23] [Guidance Document on the Use of Pandemic Influenza A \(H1N1\) 2009 Inactivated Monovalent Vaccine \(Updated\)](#)
- [NOV 19] [Public Health Guidance for the Prevention and Management of Influenza-like Illness \(ILI\), Including the Pandemic \(H1N1\) 2009 Influenza Virus, Related to Communal Living Settings](#)
- [ARCHIVED] [Previous PHAC documents and updates](#)

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



- [NOV 30] [Questions and Answers on 2009 H1N1 Vaccine Financing](#)
- [NOV 25] [2009 H1N1 Influenza: Resources for Pharmacists](#)
- [NOV 25] [3D Graphical Representations of a Generic Influenza Virus](#)
- [NOV 25] [New: Information about the 2009 H1N1 Virus](#)
- [NOV 24] [Update: 2009 H1N1 Monovalent Influenza Vaccine Dosage, Administration, and Storage](#)
- [NOV 24] [New: Questions and Answers: CDC Guidance for Emergency Shelters for the 2009-2010 Flu Season](#)
- [NOV 23] [Prevention of 2009 H1N1 Influenza Transmission in Dental Health Care Settings](#)
- [NOV 23] [Quick Facts for the Public on Antiviral Treatments for 2009 H1N1](#)
- [NOV 23] [2009 H1N1 Influenza Vaccine - Dose Spacing for Children 6 Months through 9 Years of Age](#)
- [NOV 23] [Chart: 2009 H1N1 Influenza Vaccine: Dose Spacing and Administration with Seasonal Influenza and Other Vaccines](#)
- [NOV 23] [2009 H1N1 Influenza Vaccine - Administration with Seasonal Influenza and Other Vaccines](#)
- [NOV 20] [2009 H1N1 Flu: International Situation Update](#)
- [NOV 20] 2009 H1N1 Vaccine - Dose Spacing and Administration with Other Vaccines
 - [Dose Spacing Table](#)

- [Administration with Other Vaccines Table](#)
- [Dose Spacing and Administration with Other Vaccines Table](#)

[NOV 20] [H1N1 Monovalent Vaccine Return Policy](#)

[NOV 20] [New: Graphical Representations of a Generic Influenza Virus](#)

These pictures provide a 3D graphical representation of the biology and structure of a generic influenza virus, and are not specific to the 2009 H1N1 virus.

[NOV 20] [U.S. Influenza and Pneumonia-Associated Hospitalizations and Deaths from August 30 to November 14, 2009](#)

During the week of November 8-14, 2009, influenza activity continued to increase in the United States as reported in FluView. Flu activity is now widespread. Nationwide, visits to doctors for influenza-like-illness are increasing steeply and are now higher than what is seen at the peak of many regular flu seasons. In addition, flu-related hospitalizations and deaths continue to go up nation-wide and are above what is expected for this time of year.

Cases Defined by	Hospitalizations	Deaths
Influenza Laboratory-Tests**	26,315	1,049

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

Other US Sources

[NOV 24] Flu.gov: [Updated Guidance for the Use of CSL™ 2009 H1N1 Monovalent Vaccine](#)

[NOV 23] Letter: [APHA asks Obama to support CDC's N-95 stance](#)

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

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

Center for Infectious Disease Research and Policy

No updates due to the US Thanksgiving holiday.

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

Health Protection Agency (UK)

[NOV 26] [Weekly Pandemic Flu Media Update](#)

[NOV 20] [Pandemic H1N1 2009 in England: an overview of initial epidemiological findings and implications for the second wave](#)

[NOV 20] [HPA Weekly international summary](#)

[NOV 19] [Weekly Epidemiological Update: 19 November 2009 \(Week 47\)](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

[NOV 27] [Swine Flu H1N1: Updated Guidance for mental health services in England](#)

[NOV 23] [Exercise Peak Practice: National Summary](#)



[NOV 20] [Swine flu H1N1: Update on guidance for preparing maternity services toolkit](#)

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

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



[NOV30] [Daily update – Pandemic H1N1 2009 \(Nov 30 2009\)](#)

- More mutations have been reported by EU countries, with a few in the haemagglutinin gene at location 222;
- Total of 858 fatal cases in Europe and EFTA countries and 7 710 in the rest of the world have been reported up to date
- Influenza activity is high in 27 EU countries and 13 countries report a rising trend;



[NOV 27] [Weekly Influenza Surveillance Overview was published on November 27th for week 47/2009](#)

[NOV 24] [ECDC EXECUTIVE UPDATE Pandemic influenza \(H1N1\) 2009 Issue 20 Monday, 23 November 2009](#)

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

European Union



[NOV 30] [Factsheet on Pandemic \(H1N1\)2009 by European Commission](#)



[NOV 27] [EU Commissioner for Health receiving her vaccination against influenza A\(H1N1\)](#)

[NOV 26] [European Society of Clinical Microbiology and Infectious Diseases concerned that scepticism and deliberate misinformation is leading to low vaccine uptake](#)

[NOV 25] [18 countries report high pandemic \(H1N1\) 2009 activity](#)

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

Pan-American Health Organization (PAHO)

[NOV 16] [Regional Update. Pandemic \(H1N1\) 2009 \(published Nov 16\)](#)

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

Australia and New Zealand

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

[NOV 25] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 162](#)

[NOV 23] [Australian Influenza Surveillance Summary Report No.27, 2009, Reporting Period: 7 November 2009 – 13 November 2009](#)

[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.

[NOV 27] [Pandemic \(H1N1\) 2009 - update 76](#)

[NOV 27] [WHO Weekly Press Briefing Transcript](#)

[NOV 25] [Clinical management of human infection with pandemic \(H1N1\) 2009: revised guidance](#)

[NOV 25] [Health conditions for travellers to Saudi Arabia for the pilgrimage to Mecca \(Hajj\) / Dispositions sanitaires pour les voyageurs se rendant en Arabie saoudite pour le pèlerinage à La Mecque \(Hadj\)](#)

[NOV 24] [Gathering vital evidence: the work of influenza laboratories on pandemic \(H1N1\) 2009](#)

- [NOV 20] [Public health significance of virus mutation detected in Norway: Pandemic \(H1N1\) 2009 briefing note 17](#)
- [NOV 20] [Epidemiological summary of pandemic influenza A \(H1N1\) 2009 virus – Ontario, Canada, June 2009](#)
- [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)

-  [NOV 30] [Mitigation of pandemic influenza: review of cost-effectiveness studies.](#)*
Lugnér AK, Postma MJ. Expert Rev Pharmacoecon Outcomes Res. 2009 Dec;9(6):547-558.
-  [NOV 30] [GPs are told to vaccinate all priority groups against swine flu before Christmas](#)
Pownall M. BMJ 2009;339:b5110. Published 30 November 2009, doi:10.1136/bmj.b5110.
-  [NOV 30] [The rational clinician in a pandemic setting](#)

Bradt DA, Epstein J. Med J Aust 2009; Rapid Online Publication – 30 November 2009.



[NOV 30]

[The changing phases of pandemic \(H1N1\) 2009 in Queensland: an overview of public health actions and epidemiology](#)

Appuhamy RD, Beard FH, Phung HN, Selvey CE, Birrell FA, Culleton TH. Med J Aust 2009; Rapid Online Publication – 30 November 2009.



[NOV 30]

[Comparison of adult patients hospitalised with pandemic \(H1N1\) 2009 influenza and seasonal influenza during the “PROTECT” phase of the pandemic response](#)

Chang YS, van Hal SJ, Spencer PM, Gosbell IA, Collett PW. Med J Aust 2009; Rapid Online Publication – 30 November 2009.



[NOV 30]

[From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)

Gibbs AJ, Armstrong JS, Downie JC. Virology J 2009, 6:207 (24 November 2009)



[NOV 30]

[Severe influenza A \(H1N1\)v in patients without any known risk factor](#)

Alonso-Tarrés C, Cortes-Lletget C, Pintado S, Ricart A. *Critical Care* 2009, 13:425 (19 November 2009)



[NOV 30]

[Presentation and management of critically ill patients with influenza A \(H1N1\): a UK perspective](#)

Yeung JHY, Bailey M, Perkins GD, Smith FG *Critical Care* 2009, 13:426 (19 November 2009)

[NOV 27]

[A case of ARDS associated with influenza A - H1N1 infection treated with extracorporeal respiratory support.*](#)

Grasselli G, Foti G, Patroniti N, Giuffrida A, Cortinovis B, Zanella A, Pagni F, Mergoni M, Pesci A, Pesenti A. *Minerva Anestesiol.* 2009 Dec;75(12):741-745. PMID: 19940827.

[NOV 27]

[Novel H1N1 Virus Infection and Pregnancy.*](#)

Satpathy HK, Lindsay M, Kawwass JF. *Postgrad Med.* 2009 Nov;121(6):106-112. PMID: 19940421.

[NOV 27]

[Pandemic H1N1 2009 Influenza A Virus Induces Weak Cytokine Response in Human Macrophages and Dendritic Cells and Is Highly Sensitive to Antiviral Actions of Interferons.*](#)

Osterlund P, Pirhonen J, Ikonen N, Rönkkö E, Strengell M, Mäkelä SM, Broman M, Hamming OJ, Hartmann R, Ziegler T, Julkunen I. *J Virol.* 2009 Nov 25. [Epub ahead of print]. PMID: 19939920.

[NOV 26]

Perspective: [When to Consider the Use of Antibiotics in the Treatment of 2009 H1N1 Influenza–Associated Pneumonia](#)

Wright PF, Kirkland KB, Modlin JF. *New England Journal of Medicine.* Early Online Publication. November 25, 2009. doi:10.1056/NEJMopv0910749.

[NOV 26]

Perspective: [Australia’s Winter with the 2009 Pandemic Influenza A \(H1N1\) Virus](#)

Bishop JF, Murnane MP, Owen R. *New England Journal of Medicine.* Early Online Publication. November 25, 2009. doi:10.1056/NEJMop0910445.

- [NOV 26] Perspective: [The Emotional Epidemiology of H1N1 Influenza Vaccination](#)
Ofri D. New England Journal of Medicine. Early Online Publication. November 25, 2009. doi:10.1056/NEJMp0911047.
- [NOV 26] [From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)
Gibbs AJ, Armstrong JS, Downie JC. Virology Journal. 2009;6:207. doi:10.1186/1743-422X-6-207.
- [NOV 25] News: [Up to a third of schoolchildren in some parts of England may already have had swine flu](#)
BMJ 2009;339:b5051
- [NOV 25] [Emergency Influenza Drug](#)
Kuehn BM. JAMA. 2009;302(20):2194
- [NOV 24] [Laboratory Surge Response to Pandemic \(H1N1\) 2009 Outbreak, New York City Metropolitan Area, USA](#)
J.M. Crawford et al. EID (Epub ahead of print)
- [NOV 24] [Epidemiology of Travel-associated Pandemic \(H1N1\) 2009 Infection in 116 Patients, Singapore](#)
P. Mukherjee et al. EID (Epub ahead of print)
- [NOV 24] Correspondence: [Novel Influenza A \(H1N1\) Presenting as an Acute Febrile Encephalopathy in a Mother and Daughter](#) *
Gonzalez BE, Brust DG. Clinical Infectious Diseases 2009;49:1966–1967.
- [NOV 24] [Risk factors and outcomes among children admitted to hospital with pandemic H1N1 influenza.](#)
O'Riordan S, Barton M, Yau Y, Read SE, Allen U, Tran D. CMAJ. 2009 Nov 19. [Epub ahead of print] PMID: 19926677
- [NOV 23] [The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom](#)
Ghani AC, et al. PLoS Currents: Influenza.
- [NOV 23] [H1N1 vaccination and adults with underlying health conditions in the US](#)
Goldstein E, Lipsitch M. PLoS Currents: Influenza.
- [NOV 23] [Pandemic H1N1 influenza virus: Academy perspectives on pharmacy's critical role in treatment, prevention.](#) *
Mullen E, Smith GH, Irwin AN, Angeles M. J Am Pharm Assoc (2003). 2009 November-December 1;49(6):722-728. No abstract available. PMID: 19926552.
- [NOV 23] [Pandemic \(H1N1\) 2009 virus outbreak in a school in London, April-May 2009: an observational study.](#) *
Calatayud L, et al. Epidemiol Infect. 2009 Nov 20:1-9. [Epub ahead of print]. PMID: 19925691.

- [NOV 23] [Top Ten List of Long-Term Care Facility Preparations for the Upcoming Influenza Season.*](#)
Pierce JR Jr, Kellie SM, West TA, Richardson JM, Neale DA, Montgomery OG, McClure SC, Bell TE. J Am Geriatr Soc. 2009 Nov 17. [Epub ahead of print]. PMID: 19925612.
- [NOV 23] [Virological Diagnosis of Respiratory Virus Infection in Patients Attending an Emergency Department during the Influenza Season.*](#)
Pierangeli A, Scagnolari C, Gentile M, Spina MT, Iudicello A, Bertazzoni G, Antonelli G. Clin Microbiol Infect. 2009 Nov 19. [Epub ahead of print]. PMID: 19925480.
- [NOV 20] [The Novel Influenza A H1N1 Epidemic of Spring 2009: National After Action Workshop on a Federal Public Health Emergency: 21–22 September 2009 Torrance, California](#) (Special report – web exclusive)
Dorian A, Rottman SJ, Shoaf K, Tharian B. Prehospital and Disaster Medicine.
- [NOV 20] [The economy-wide impact of pandemic influenza on the UK: a computable general equilibrium modelling experiment](#)
Smith RD, Keogh-Brown MR, Barnett T, Tait J. BMJ. Published 19 November 2009, doi:10.1136/bmj.b4571. BMJ 2009;339:b4571.
- [NOV 20] [Editorial: The Economic Impact of Pandemic Influenza](#)
Maynard A, Bloor K. Published 19 November 2009, doi:10.1136/bmj.b4888. BMJ 2009;339:b4888.
- [NOV 20] [Establishment of public health security in Saudi Arabia for the 2009 Hajj in response to pandemic influenza A H1N1](#)
Memish ZA, et al. Lancet. 374(9703):1786-1791. 21 November 2009. doi:10.1016/S0140-6736(09)61927-9.
- [NOV 20] [Differentiation of two distinct clusters among currently circulating influenza A\(H1N1\)v viruses, March-September 2009.](#)
Fereidouni SR, Beer M, Vahlenkamp T, Starick E. Euro Surveill. 2009;14(46):pii=19409.
- [NOV 20] [Oseltamivir-resistant influenza A\(H1N1\) viruses detected in Europe during season 2007-8 had epidemiologic and clinical characteristics similar to co-circulating susceptible A\(H1N1\) viruses.](#)
Ciancio BC, et al. Euro Surveill. 2009;14(46):pii=19412.
- [NOV 20] [Antiviral Medications for Pregnant Women for Pandemic and Seasonal Influenza: An Economic Computer Model](#)
Lee BY, Bailey RR, Wiringa AE, Assi TM, Beigi RH. Obstetrics and Gynecology. Nov 2009. 114(5): 971-980.
- [NOV 20] [H1N1 influenza A virus-associated acute lung injury: response to combination oseltamivir and prolonged corticosteroid treatment.*](#)
Quispe-Laime AM, et al. Intensive Care Med. 2009 Nov 19. [Epub ahead of print] PMID: 19924393

- [NOV 20] [Antiviral Treatment for Patients Hospitalized with 2009 Pandemic Influenza A \(H1N1\).](#)
Uyeki T. N Engl J Med. 2009 Nov 18. [Epub ahead of print] No abstract available. PMID: 19923564
- [NOV 20] [Protocol: Transmission and prevention of influenza in Hutterites: Zoonotic transmission of influenza A: swine & swine workers.](#)
Russell ML, Keenlside J, Webby R, Fonseca K, Singh P, Moss L, Loeb M. BMC Public Health. 2009 Nov 18;9(1):420. [Epub ahead of print] PMID: 19922661
- [NOV 20] [Swine influenza \(H1N1\): Diagnostic dilemmas early in the pandemic.*](#)
Cunha BA, Pherez FM, Stollo S. Scand J Infect Dis. 2009;41(11-12):900-902. No abstract available. PMID: 19922079

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](#)