

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of November 26, 2009 at 4pm

Highlights

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

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

Literature

NEJM: Perspective: [The Emotional Epidemiology of H1N1 Influenza Vaccination](#)

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

Virology J: [From where did the 2009 'swine-origin' influenza A virus \(H1N1\) emerge?](#)
Virologist Adrian Gibbs says swine flu may have escaped from a laboratory.

News

[CDC warns about rise in serious pneumococcal disease](#)

[CDC advisors pressed on ventilator allocation](#)

[China, Hong Kong report virus mutation](#)

[First H1N1 wave hit 1 in 6 UK children](#)

[Another Wales patient has resistant strain](#)

[Officials still probing recalled vaccine lot](#)

[Chinese expert warns of possible H1N1-H5N1 mix](#)

BMJ Blogs: [How to kiss during a flu pandemic](#)

Times have changed. Gone are the days when your only worry about going to the Christmas party was whose lips to avoid. Now you have to think about technique too. Debretts, the self-proclaimed authority on etiquette have issued [advice](#) on how to kiss at Christmas during the flu pandemic.

“Because of the spread of swine flu this year, people have started to think they might not jump under the mistletoe quite as readily this season. But it’s medically proven that a peck on the cheek is much more hygienic than a handshake. People carry billions more germs on their hands so ‘cheek-to-cheek’ kissing is a healthier greeting by far.”

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
- [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>

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 23] [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 24] [Deaths Associated with H1N1 flu virus in Canada](#) (as of Nov 24)
 - New deaths reported Nov 20-24: 29
 - Cumulative total: 279

- [NOV 23] [Guidance Document on the Use of Pandemic Influenza A \(H1N1\) 2009 Inactivated Monovalent Vaccine \(Updated\)](#)

- [NOV 22] [Weekly Distribution of the H1N1 Flu Vaccine](#)

- [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](#)

- [NOV 18] [Backgrounder: Use of Unadjuvanted H1N1 Flu Vaccine](#)

- [NOV 17] [Weekly Vaccine Surveillance Report](#)

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

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

No updates today due to the US Thanksgiving holiday.

- [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



[NOV 25] [CDC warns about rise in serious pneumococcal disease](#)

In a worrisome but not unexpected pandemic-related development, the CDC said today that it is seeing a spike in serious pneumococcal disease, particularly in younger patients. Health officials expect to see more pneumococcal disease when seasonal flu circulates, but the infections typically strike people who are older than

65. In past pandemics secondary bacterial pneumonia infections frequently contributed to illnesses and deaths.



[NOV 25]

[CDC advisors pressed on ventilator allocation](#)

A conference call among advisors to the Centers for Disease Control and Prevention (CDC), held to discuss rationing of ventilators in a severe pandemic, turned contentious Monday. One member of the public who asked questions during the call said the strategy was "Hitlerian" and called for buying as many ventilators as would be necessary to treat potentially millions of patients, regardless of the cost. An adviser called that approach unrealistic.



[NOV 25]

[China, Hong Kong report virus mutation](#)

A Chinese official said today that the country this summer detected the pandemic H1N1 virus mutation seen in Norway and other countries, China Daily reported. Feng Zijian, with the Chinese Centers for Disease Prevention and Control, said the mutated virus didn't seem to be more virulent and wasn't linked to any deaths. On Nov 23 Hong Kong officials said they detected the mutation in July in a toddler who has recovered, Xinhua reported.



[NOV 25]

[First H1N1 wave hit 1 in 6 UK children](#)

Serology studies by the United Kingdom's Health Protection Agency (HPA) reveal that about 15% of children in England became infected with H1N1 flu during the pandemic's first wave in spring and summer. That proportion rose in certain areas of the country, with 25% of children under 15 infected in London and the West Midlands, and 21% of those age 15 to 24. About one third of children tested in a boarding school who showed no symptoms had actually been infected, the agency said.



[NOV 25]

[Another Wales patient has resistant strain](#)

An additional patient has tested positive for H1N1 resistant to oseltamivir (Tamiflu) at a Wales hospital, according to the National Public Health Service for Wales (NPHS). The patient, tested as part of routine screening, was linked with the other five patients whose resistant cases were uncovered last week. Test results are pending on one other direct contact of the six patients. An NPHS official said the new case "was not unexpected."



[NOV 25]

[Officials still probing recalled vaccine lot](#)

In the investigation of a batch of GlaxoSmithKline H1N1 vaccine in Canada that has been linked to more allergic reactions than expected, a company spokeswoman said no clues have yet emerged, the Canadian Press (CP) reported. Six cases of anaphylaxis may be linked to a lot containing 172,000 doses shipped to five provinces. Japan, which expects Glaxo vaccine in December, said it will send experts to assess a possible link, Agence France-Presse reported today.



[NOV 25]

[Chinese expert warns of possible H1N1-H5N1 mix](#)

Chinese respiratory disease expert Zhong Nanshan said the country must be alert to any H1N1 mutation, because the far deadlier H5N1 avian flu is endemic in China, according to a Reuters report today. "China . . . is different from other countries," he said. "Inside China, H5N1 has been existing for some time, so if there is really a reassortment between H1N1 and H5N1, it will be a disaster."

[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 23] [Exercise Peak Practice: National Summary](#)
- [NOV 19] [Swine flu vaccination: NHS prepares next step](#)
- [ARCHIVE] [DH Pandemic Flu site](#)

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



- [NOV 26] [Daily update – Pandemic H1N1 2009 \(Nov 26 2009\)](#)
- Summary of experience from first wave in UK published;
 - Total of 734 fatal cases in Europe and EFTA countries and 7 499 in the rest of the world have been reported up to date.
- [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 26] [European Society of Clinical Microbiology and Infectious Diseases concerned that scepticism and deliberate misinformation is leading to low vaccine uptake](#)
- Whilst rates of pandemic influenza increase in intensity and geographical spread across Europe, the roll out of the vaccination campaigns is receiving mixed levels of uptake and opposition from anti-vaccine campaigners that puts at risk public health and lives, says the European Society of Clinical Microbiology and Infectious Diseases (ESCMID).

- [NOV 25] [18 countries report high pandemic \(H1N1\) 2009 activity](#)
- [NOV 20] [European Medicines Agency reaffirms efficacy and safety of H1N1 pandemic vaccines](#)
- [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 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](#)

[NOV 20] [Pandemic \(H1N1\) 2009 - update 75](#)

[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 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, Strollo S. Scand J Infect Dis. 2009;41(11-12):900-902. No abstract available. PMID: 19922079
- [NOV 19] [Risk factors and outcomes among children admitted to hospital with H1N1](#)
Sean O'Riordan MB BChir PhD, Michelle Barton MBBS DM, Yvonne Yau MD et al. Published online ahead of print November 19, 2009. CMAJ 10.1503/cmaj.091724
- [NOV 19] [Influenza surveillance, the swine-flu pandemic, and the importance of virology](#)
Fleming D. Clinical Evidence. BMJ: Published online Nov 17, 2009.
- [NOV 19] [Understanding influenza virus-specific epidemiological properties by analysis of experimental human infections*](#)
C.-M. Liao, S.-C. Yang, C.-P. Chio And S.-C. Chen. Epidemiology and Infection, doi:10.1017/S0950268809991178 Published Online by Cambridge University Press 18 Nov 2009.
- [NOV 19] [Rapid-Test Sensitivity for Novel Swine-Origin Influenza A \(H1N1\) Virus in Humans](#)
C.C. Blyth, J.R. Iredell, and D.E. Dwyer. Published at www.nejm.org November 18, 2009 (10.1056/NEJMc0909049)
- [NOV 19] [A novel hypothesis for the etiology of pneumococcal co-infection in influenza*](#)
Eisenhut M. Vaccine. In Press, Uncorrected Proof, Available online 17 November 2009
- [NOV 19] [Vasculitis in a boy with ESRD following influenza vaccination*](#)
Catania P, Pela I. Vaccine. In Press, Uncorrected Proof, Available online 17 November 2009
- [NOV 19] [Estimate of Novel Influenza A/H1N1 cases in Mexico at the early stage of the pandemic with a spatially structured epidemic model.](#)
Collizza V et al. PLoS Currents: Infuenza. Published online 18 November 2009.
- [NOV 19] [Evolutionary Trends of A\(H1N1\) Influenza Virus Hemagglutinin Since 1918.](#)
Shen J, Ma J, Wang Q, 2009. PLoS ONE 4(11): e7789. doi:10.1371/journal.pone.0007789

- [NOV 19] [Seasonal, Avian, and Novel H1N1 Influenza: Prevention and Treatment Modalities \(December\).](#)*
Sym D, Patel PN, El-Chaar GM. Ann Pharmacother. 2009 Nov 17. [Epub ahead of print]
- [NOV 19] [Favourable outcome of pneumonia due to novel influenza A/H1N1 2009 virus in a splenectomised adult patient undergoing therapy for non-Hodgkin lymphoma.](#)*
García-Suárez J, Martín Y, Callejas M, Rodriguez-Dominguez M, Galán JC, Burgaleta C.Br J Haematol. 2009 Nov 16. [Epub ahead of print] No abstract available.
- [NOV 19] [Pandemic influenza: human rights, ethics and duty to treat.](#)*
Pahlman I, Tohmo H, Gylling H. Acta Anaesthesiol Scand. 2009 Nov 16. [Epub ahead of print]
- [NOV 19] [Identifying changes in selective constraints: host shifts in influenza.](#)
Tamuri AU, Dos Reis M, Hay AJ, Goldstein RA. PLoS Comput Biol. 2009 Nov;5(11):e1000564. Epub 2009 Nov 13.
- [NOV 19] [Estimating Influenza vaccine effectiveness using routinely collected laboratory data.](#)*
Fleming DM, et al. J Epidemiol Community Health. 2009 Nov 12. [Epub ahead of print]
- [NOV 19] [Swine flu: provision of ventilation in a worst-case scenario.](#)
Doyle A, Carter J, Young P. Crit Care. 2009 Oct 28;13(5):422. [Epub ahead of print]
- [NOV 19] [A Live Attenuated H1N1 M1 Mutant Provides Broad Cross-Protection against Influenza A Viruses, Including Highly Pathogenic A/Vietnam/1203/2004, in Mice.](#)
Xie H, Liu TM, Lu X, Wu Z, Belser JA, Katz JM, Tumpey TM, Ye Z. J Infect Dis. 2009 Nov 12. [Epub ahead of print]
- [NOV 19] [Swine flu: environmental health gets a patient's-eye view.](#)*
Berg R. J Environ Health. 2009 Nov;72(4):14. No abstract available.
- [NOV 19] [Influenza vaccine market dynamics.](#)
Kresse H, Rovini H. Nat Rev Drug Discov. 2009 Nov;8(11):841-2.

Travel Advisories

- [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](#)