

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of November 20, 2009 at 4pm

Highlights

- WHO: [Epidemiological summary of pandemic influenza A \(H1N1\) 2009 virus – Ontario, Canada, June 2009](#)
- [Public health significance of virus mutation detected in Norway: Pandemic \(H1N1\) 2009 briefing note 17](#)
- PHAC: [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](#)
- CDC: [H1N1 Monovalent Vaccine Return Policy](#)
- [Graphical Representations of a Generic Influenza Virus](#)

Literature -----

- ObGyn: [Antiviral Medications for Pregnant Women for Pandemic and Seasonal Influenza: An Economic Computer Model](#)
- BMJ: [The economy-wide impact of pandemic influenza on the UK: a computable general equilibrium modelling experiment](#)
- Lancet: [Establishment of public health security in Saudi Arabia for the 2009 Hajj in response to pandemic influenza A H1N1](#)
- EuroS: [Differentiation of two distinct clusters among currently circulating influenza A\(H1N1\)v viruses, March-September 2009](#)

News -----

- Time: [Where can you get a flu shot? Ask Google.](#)
Google recently teamed up with the US Department of Health and Human Services to create a [map function](#) that will let you find out where you can get both H1N1 and seasonal flu shots by entering in your zip code or home town.
- Nature: [Bug-based flu vaccine rebuffed - November 20, 2009](#)
More safety data is needed before an experimental flu vaccine made inside insect cells should be approved, says FDA.
- CIDRAP: [Effectiveness of Chinese control measures debated](#)
H1N1 cases in China have risen sharply, despite aggressive quarantine measures. The 70,000 cases and 53 deaths cited by the government are only "minimum numbers."

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Updates by Jurisdiction

Ontario

[Ontario Ministry of Health and Long-Term Care \(MOHLTC\)](#)
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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](#)
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[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 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 20] No H1N1 flu vaccine from lot A80CA007A has been administered in Ontario.



[NOV 20] [H1N1 News Conference Video – November 18th](#)

[NOV 18] [Immunization Program Open To All Ontarians On November 19](#)

[NOV 13] [Ontario Influenza Bulletin: Surveillance Week 44 \(Nov 1 – Nov 7\)](#)

Note : The Influenza Bulletin provides information based on the surveillance period from **November 1 to November 7, 2009**. Case counts from the previous week are submitted to the ministry by public health units every Tuesday.

For the surveillance period of November 1 to November 7, 2009 :

- Influenza activity in Ontario is similar 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 continues to be above the average rate expected at this time of year.
- 15 health units reported widespread influenza activity for the current reporting week. Ten health units reported localized influenza activity and 9 health units reported sporadic influenza activity.
- There are 7,118 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

[NOV 16] Professional guidelines:

- [Ambulatory care settings](#) (Updated)
- [Emergency departments](#) (Updated)
- [Pre-hospital care settings](#)
- [Long-term care settings](#) (Updated)
- [Pharmacists and Pharmacies](#) (Updated)

[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](#)

[Information destinée aux professionnels de la santé - MISE À JOUR SUR LA GRIPPE pH1N1.](#)

Ontario Agency for Health Protection and Promotion (OAHP)

[NOV 18] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Nov 13, 2009\)](#)

[NOV 16] [Ontario Agency for Health Protection and Promotion Laboratory
Pandemic H1N1 Surveillance Report](#)

[NOV 10] [LABstract: Testing for Pandemic Influenza A H1N1 \(2009\) \(pH1N1\) -
Update](#)

[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 19] [Weekly Distribution of the H1N1 Flu Vaccine](#)

FPT	Delivered to Date		Total Doses Distributed ¹		Forecast	
	Week 6				Week 7	
	Nov 16 - Nov 22				Nov 23 - Nov 30	
	Adj. Doses	Unadj. Doses	Adj. Doses	Unadj. Doses	Adj. Doses	Unadj. Doses
Newfoundland	11,000	0	138,500	15,300	73,000	0
PEI	8,000	0	44,500	4,700	20,500	0
Nova Scotia	54,500	0	256,500	28,600	135,000	0
New Brunswick	44,000	0	207,000	23,500	108,000	0
Quebec	273,500	0	2,132,000	276,900	1,107,500	0
Ontario	414,000	0	3,569,500	461,800	1,858,500	0
Manitoba	70,000	0	330,000	49,100	172,000	0
Saskatchewan	59,000	0	277,500	42,900	145,000	0
Alberta	206,000	0	990,000	155,500	515,000	0
BC	258,000	0	1,275,500	142,700	634,500	0
Nunavut	0	0	22,000	1,200	6,000	0
Yukon	0	0	24,000	1,400	7,500	0
NWT	0	0	34,000	600	0	0
P/T Total:	1,398,000	0	9,301,000	1,204,200	4,782,500	0



[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 19] [Deaths Associated with H1N1 flu virus in Canada \(as of Nov 19\)](#)

Province / Territory	Deaths	
	New Deaths reported (from Nov 17-19 2009)	Cumulative
British Columbia	3	32
Alberta	22	42
Saskatchewan	1	9
Manitoba	0	8
Ontario	18	79
Quebec	7	65
New Brunswick	0	2
Nova Scotia	1	4
Prince Edward Island	0	0
Newfoundland and Labrador	0	7
Yukon	0	1
Northwest Territories	0	0
Nunavut	0	1
Total	52	250



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

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

[NOV 17] [Recommended Safe Work Practices for Flight Catering Operators and their Staff](#)

[NOV 17] [Recommended Disinfection Procedures for Conveyance \(aircraft, passenger trains, ferries, buses and cruise ships\) and Terminal \(airport, cruise ship, bus, ferry and train\) Operators and their Staff](#)

[NOV 13] [Summary of FluWatch Findings for the Week ending November 7, 2009](#)

Nationally, there was a considerable increase in the influenza activity level reported this week with a proportion of positive influenza tests of more than 38%, the national ILI consultation rate of almost 100 per 1,000 patient visits, 25 regions reporting widespread activity and over 750 influenza outbreaks reported. This increased activity occurred in almost all provinces and territories.

[NOV 13] [Health Canada Approves a Canadian Unadjuvanted H1N1 Flu Vaccine](#)

[NOV 12] [PHAC updates recommendations on H1N1 vaccine for children](#)

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

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

CDC Reports The Total Number Of H1n1 Hospitalizations And Deaths Each Friday.



[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

[NOV 19] [New: Updated Guidance for the Use of CSL 2009 H1N1 Monovalent Vaccine](#)

[NOV 17] [New: Questions and Answers: 2009 H1N1 and Pneumococcal Disease in the News](#)

What is invasive pneumococcal disease? What does CDC know about invasive pneumococcal disease among people who get 2009 H1N1 or seasonal influenza? What is Active Bacterial Core surveillance (ABCs)?

[NOV 16] [New: 2009 H1N1 Flu Information for People with Disabilities and Their Caregivers or Personal Assistants](#)

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

Other US Sources

[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](#)

[NOV 12] [FDA Expands Approved Use of H1N1 Vaccines to Include Infants and Children](#)

[NOV 12] [FDA: Letter from the Commissioner to Nation's Healthcare Professionals on H1N1 Vaccine](#)
US Food and Drug Administration Attempts to Ease H1N1 Vaccine Fears

[NOV 12] [University of Pittsburgh Medical Center \(UPMC\) Center for Biosecurity: Where Does H1N1 Influenza Information Come from? An Overview of Influenza Surveillance in the United States](#)

Center for Infectious Disease Research and Policy



[NOV 19] [First college flu deaths reported, but cases drop](#)
The American College Health Association (ACHA) today reported the first two deaths from flu-like illness in college students, but said new cases last week decreased 27% from the previous week. All but five states reported decreases. The report for the week ending Nov 13 said 21.3 new cases of flu-like illness per 10,000 students were reported. There were 12 hospitalizations among the 6,373 new infections. More schools reported access to vaccine, but in very small amounts. [[ACHA report for week ending Nov 13](#)]



[NOV 19] [Effectiveness of Chinese control measures debated](#)
H1N1 cases in China have risen sharply, despite aggressive quarantine measures, Dr. Michael O'Leary, the World Health Organization's top official in China, told the Associated Press. He said the 70,000 cases and 53 deaths cited by the government are only "minimum numbers." But China's health minister said the control measures helped buy time to develop a vaccine, which is now being given to 1.5 million people a day in an effort to cover 90 million--7% of the population--by the end of the year. [[Nov 19 AP report](#)]



[NOV 19] [CDC campaigns for flu precautions for travelers](#)
The Centers for Disease Control and Prevention (CDC) today launched what it called its largest-ever public awareness campaign about avoiding illness while traveling, with a focus on H1N1. The agency will urge people to stay home if they are sick, get vaccinated against seasonal flu and against H1N1 if they are in a target group, and to use hygiene measures. The campaign will continue through the holidays and involve a wide range of media, with themes such as "Prevention can be travel-sized." [[CDC travel health campaign page](#)]



[NOV 19] [California reports two prisoners died of flu](#)
California officials reported two recent flu deaths in prisoners, one who died Nov 13 in a facility in the southern part of the state and one who died 4 days later in a central California prison, the AP reported yesterday. Preliminary tests confirmed influenza A, and federal officials have said circulating flu strains have been the pandemic virus. Final results are pending. Outbreaks have been reported at prisons, but few deaths have been reported. [[Nov 18 AP story](#)]



[NOV 19] [Spike in cases prompts Hungary to declare epidemic](#)
Hungarian officials declared a flu epidemic yesterday after illness reports rose more than 30% in a week, putting cases above the country's epidemic threshold, Agence

France-Presse (AFP) reported yesterday. The number of flu hospitalizations rose to 172. Hungary launched a pandemic vaccine campaign in October using its own vaccine, which is based on a mock-up produced for the H5N1 virus. Children younger than 18 and people in high-risk jobs receive it for free. [[Nov 18 AFP article](#)]



- [NOV 19] [Thai official says second wave starting](#)
The second round of the H1N1 epidemic has begun in Thailand, Public Health Minister Witthaya Kaewparadai said today, according to the Bangkok Post. He said 30% of 200 students tested in the northeastern province of Nakhon Ratchasima were infected. An estimated 8.4 million Thais were infected in the first wave of the outbreak, and the death toll reached 185 yesterday. Kaewparadai said the government bought 2 million doses of vaccine from France and is considering buying 800,000 more. [[Nov 19 Bangkok Post report](#)]

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

Health Protection Agency (UK)



- [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 pandemic flu media update](#)

- [NOV 12] [Weekly Epidemiological Update: 12 November 2009 \(Week 46\)](#)

- [NOV 13] [The Green Book: 23a : Pandemic influenza A\(H1N1\)v 2009 \(swine flu\)](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

- [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 20] [Daily update – Pandemic H1N1 2009 \(Nov 20 2009\)](#)
- Total of 636 fatal cases in Europe and EFTA countries and 6 795 in the rest of the world have been reported up to date
 - Safety of pandemic vaccines - WHO says results to date are encouraging

- [NOV 18] [Oseltamivir-resistant pandemic \(H1N1\) 2009 influenza virus, October 2009](#)

Patients have been geographically dispersed and not linked and the viruses were all susceptible to the other common antiviral, zanamivir (Relenza). Of the 32 cases detailed, two factors may have played a role: reduced immunity and preventive antiviral therapy (prophylaxis). Three cases had no known history of exposure to oseltamivir.

[NOV 16] [ECDC Executive Update: Pandemic influenza \(H1N1\) 2009, Monday November 16, 2009](#)

Upcoming events :

- **Week beginning on 16 November:** Visit to Bulgaria by senior ECDC team at the request of the Bulgarian government to assist in the final pandemic preparedness.
- **17–20 November 2009:** ECDC participates in WHO Research meeting, Geneva.

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

European Union



[NOV 20] [European Medicines Agency reaffirms efficacy and safety of H1N1 pandemic vaccines](#)

[NOV 17] [Outcome of the Health Security Committee meeting, 12 and 13 November 2009, Luxembourg](#)

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

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 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](#)



[NOV 20] [Transcript of virtual press conference with Dr Marie-Paule Kieny, Director, Initiative for Vaccine Research, World Health Organization](#)

Early experiences with pandemic vaccines in several countries suggest they have a similar safety profile to seasonal flu vaccines. Immunization campaigns are now underway in 40 countries and national authorities from several of them are tracking vaccine safety and regularly sharing their findings with the WHO.

[NOV 19] [Safety of pandemic vaccines. Pandemic \(H1N1\) 2009 briefing note 16](#)

[NOV 16] [Gathering vital evidence: the work of influenza laboratories on pandemic \(H1N1\) 2009](#)

- [NOV 12] [Pandemic influenza A \(H1N1\) 2009: considerations for tuberculosis care services](#)
- [NOV 17] [Pandemic \(H1N1\) 2009, Ukraine - update 2](#)
- [NOV 13] [Pandemic \(H1N1\) 2009 - update 74](#)
- [NOV 13] [Interim planning considerations for mass gatherings in the context of pandemic \(H1N1\) 2009 influenza](#)
- [NOV 12] [Transcript of virtual press conference with Gregory Hartl, Spokesperson for H1N1, and Dr Nikki Shindo, Medical Officer, Global Influenza Programme](#)
- [NOV 11] [Clinical management of human infection with pandemic \(H1N1\) 2009: revised guidance](#)
- [ARCHIVED] [WHO H1N1 Guidance Documents](#)
- [ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)

- [NOV 16] [Regional Update. Pandemic \(H1N1\) 2009 \(published Nov 16\)](#)
- Influenza-like illness activity remained above what is expected for this time of year in Canada and the United States; in Mexico, it surpassed the level that was observed during the first wave of the pandemic
 - Caribbean countries reported mostly unchanged trends but high intensity of acute respiratory disease this week
 - Central America continues to report overall decreasing trends in acute respiratory disease
 - Most of South America had stable or decreasing trends of acute respiratory disease, with the exception of Colombia and Peru, which reported an increasing trend
 - Venezuela reported that the outbreak of acute respiratory illness in the Yanomami communities has ended
 - A median of 99.9% of subtyped influenza A viruses were pandemic (H1N1) 2009
 - 294 new confirmed deaths in eight countries were reported; in total there have been 4,806 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.

- [NOV 18] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 161](#)

Influenza activity in New Zealand continues to be low, with visits to doctors for influenza-like illness (ILI) being below the "baseline" level. Deaths attributed to pandemic influenza remain at 20.

[NOV 13] [Australian Influenza Surveillance Summary Report No.26, 2009, Reporting Period: 31 October 2009 – 6 November 2009](#)

[ARCHIVED] [New Zealand's H1N1 page](#)

[ARCHIVED] [Australia's H1N1 Update Bulletins](#)

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 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

[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: Influenza. 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.
- [NOV 18] [Host Cell Selection of Influenza Neuraminidase Variants: Implications for Drug Resistance Monitoring in A\(H1N1\) Viruses.](#)
Okomo-Adhiambo M, et al. Antiviral Res. 2009 Nov 13. [Epub ahead of print] PMID: 19917319 [PubMed - as supplied by publisher]
- [NOV 18] [Evidence for a novel gene associated with human influenza A viruses.](#)
Clifford M, Twigg J, Upton C. Virol J. 2009 Nov 16;6(1):198. [Epub ahead of print] PMID: 19917120 [PubMed - as supplied by publisher]
- [NOV 18] [Drive-through triage and care system: lessons learned from a pandemic drill.](#)
Callagy P, Woodfall M. J Emerg Nurs. 2009 Nov;35(6):588-93. No abstract available. PMID: 19914497 [PubMed - in process]
- [NOV 18] [Boston Medical Center Pediatric Emergency Response to H1N1.](#)
Cooper MC, et al. J Emerg Nurs. 2009 Nov;35(6):580-3. Epub 2009 Aug 29. No abstract available. PMID: 19914494 [PubMed - in process]
- [NOV 18] [Dynamics of Clinical Symptoms in a Case with Pandemic Influenza A \(H1N1\).](#)
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Travel Advisories

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