

H1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of August 27, 2009 at 4pm

Highlights

- [Government of Canada announces two initiatives to support healthcare workers in treating and preventing H1N1](#)
- [SHEA, APIC, ACOEM, and IDSA Joint Position Statement: Healthcare Personnel at High-Risk for Severe Influenza Illness: Care of Patients with Suspected or Confirmed Novel H1N1 Influenza A](#)
- EU issues [Public health use of influenza antivirals during influenza pandemics - Interim guidance](#)

Other news items:

- [CLARIFICATION: H1N1 Vaccine Distribution Plans for U.S. Outlined](#)
- [H1N1 Vaccine Distribution Plans for U.S. Outlined](#)
- [U.K. Fast-Tracks H1N1 Research With £ 2.2 Million](#)
- [U.S. Advisory Group: 40 Million Doses of H1N1 Vaccine Needed Within 1 Month](#)
- [Social Activities Called Important Transmission Routes for Flu Virus](#)

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Europe

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

Current / Upcoming



[AUG 27] [Special Flu.Gov Webcast for Pregnant Women & New Moms](#)

Please join the Department of Health and Human Services for a live webcast special, for pregnant women and new moms, on all the latest information about the flu and the new H1N1 flu virus from the CDC, NIH and other top scientists and doctors from across the nation. For more information:

Archived

[AUG 26] Pediatric call: H1N1 vaccine and school guidance.



Slides: [PowerPoint](#)  (246KB/ 24 slides)

[AUG 25] [Corporate preparedness for H1N1: How pressure-tested planners are bracing now for fall](#)

[AUG 20] [Maine H1N1 Influenza Preparedness Summit](#)

The goal of this Summit is to help Maine prepare for the fall and to plan for a statewide H1N1 vaccination campaign.

[AUG 13] [Experts air practical PPE considerations to Institute of Medicine](#)

On the second and final day of an Institute of Medicine (IOM) task force meeting on how to protect healthcare workers from the novel H1N1 virus, experts focused on issues surrounding the effectiveness and practical use of masks and respirators in work settings.

[AUG 11-13] [Workshop on personal protective equipment for healthcare workers in the workplace against novel H1N1 influenza A](#)

This workshop will examine the emerging science and clinical experience base associated with nH1N1, discuss criteria used to delineate infection control guidelines and assess risk to the healthcare workforce, and examine what's known about the effectiveness of masks, respirators, gowns, gloves, and eye protection in preventing H1N1 transmission.

Ministry of Health and Long-Term Care (MOHLTC)

[AUG 21] [Ontario Influenza Bulletin: Surveillance Week 32 \(Aug 9 – Aug 15\)](#)

The Influenza Bulletin provides information based on the surveillance period August 9 to August 15, 2009. Case counts from the previous week are submitted to the ministry by public health units every Tuesday. Data on hospitalizations and deaths is submitted daily and therefore is accurate as of August 19th.

For the surveillance period of August 9 to August 15, 2009 :

- Influenza activity in Ontario similar compared to previous week.
- Ontario health units reported 22 new confirmed cases of influenza through iPHIS, including 14 laboratory confirmed cases of pH1N1
- During week 32, new laboratory confirmed cases of pH1N1 continued to be seen across the province, with Central West reporting most of these cases. No new institutional influenza outbreaks were reported.
- For week 32, North East health region reported 'localized' level activity while the remaining health regions reported 'sporadic' level activity.
- The rate of influenza-like illness (ILI) in patients seen by sentinel physicians was above the range that is expected for this time of the year based on the average ILI rate reported in week 32 for the past 3 years.

As of August 19:

- 22 deaths have been reported among confirmed H1N1 cases.
- Total of 4 007 cases
- 37 people who have the H1N1 flu virus were in hospital as of August 19, a number of whom have underlying medical conditions. 315 other people have been hospitalized and have since been discharged.
- A higher number of hospitalized cases were reported this week. One new death among cases were reported this week.

[ARCHIVED] [Previous MOHLTC updates and news conference video footage](#)

Important Health Notices

[Last H1N1 update was August 18](#)

Ontario Agency for Health Protection and Promotion (OAHP)

[AUG 18] [H1N1 weekly synthesis of surveillance information, literature & government updates for week ending Aug 14, 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.

[AUG 25] [Deaths associated with H1N1 flu virus in Canada](#)

No deaths reported since the previous update, for a cumulative total of 71 as of Aug 25



[AUG 27] [Government of Canada announces two initiatives to support healthcare workers in treating and preventing H1N1](#)

[AUG 24] [FluWatch findings for Week 32 \(week ending Aug 15\)](#)

- Overall influenza activity decreased this week; the reported activity level (2 regions reported localized activity), the proportion of influenza positive tests (4.2%), the overall number of influenza outbreaks (1) are lower compared to last week. The national ILI consultation rate (15 consultations per 1,000 visits) remains similar to the previous week.
- As of August 15, 2009, a total of 1,422 hospitalized cases and 275 cases admitted to an intensive care unit (ICU) had been reported to the Public Health Agency of Canada. This week, four new deaths were reported for a total of 70 deaths since the beginning of the pandemic. 90% of the hospitalized cases and more than 85% of the deaths have been reported by only 4 provinces (Alberta, Manitoba, Ontario and Quebec).
- Overall Pandemic (H1N1) 2009 activity still decreasing across Canada
- Those under 15 have the highest rates of hospitalization. Mortality is highest in those 45 years and older (mortality also elevated in the population <1 yr)

[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.

[AUG 21] [2009 H1N1 Flu situation update](#)

- 7,983 hospitalizations
- 522 deaths

[AUG 21] [Novel 2009 H1N1 Flu: International situation update](#)

- The 2009 H1N1 influenza virus is the predominant influenza virus in circulation worldwide.
- The epidemiology of the disease caused by the 2009 H1N1 influenza virus in the Southern Hemisphere is very similar to that described in the United States this past spring.
- There have been no significant changes detected in the 2009 H1N1 influenza virus isolated from persons in the Southern Hemisphere as compared to viruses isolated from persons in the Northern Hemisphere.

[AUG 21] [Influenza A \(H1N1\) 2009 monovalent vaccine safety monitoring: CDC planning for state, local, tribal, and territorial health officials](#)

[AUG 21] [Use of Influenza A \(H1N1\) 2009 monovalent vaccine](#)
Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009. Use of Influenza A (H1N1) 2009 Monovalent Vaccine. MMWR. 2009; 58; Early Release.

[AUG 20] [Preparing for the flu: A communication toolkit for institutions of higher education](#)

[AUG 20] [Federal guidelines encourage employers to plan now for upcoming influenza season: recommendations range from encouraging hand washing to allowing some employees to stay home](#)

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

Other US Sources



[AUG 27] [SHEA, APIC, ACOEM, and IDSA Joint Position Statement: Healthcare Personnel at High-Risk for Severe Influenza Illness: Care of Patients with Suspected or Confirmed Novel H1N1 Influenza A](#)

[AUG 24] [Duncan, Sebelius Unveil Recommendations for Schools on How Learning Continues in Case of Flu Outbreak](#)

[AUG 24] [President's Council of Advisors on Science and Technology \(PCAST\) releases report assessing H1N1 preparations](#)

[AUG 24] Agency for Healthcare Research and Quality: [Home health care during an influenza pandemic: issues and resources](#)

[AUG 24] National Institute of Allergy and Infectious Diseases: [First results of novel H1N1 vaccine trials—needed for determining the number and size of doses people will get—are expected in mid-September](#)

Center for Infectious Disease Research and Policy



[AUG 26] [CDC reports 2 more antiviral-resistant H1N1 cases](#)
Two more oseltamivir (Tamiflu)-resistant cases of novel H1N1 flu have been identified in the United States, bringing the US total to four, Dr. Scott Epperson of the CDC reported today during a teleconference sponsored by the National Influenza Vaccine Summit. "These two new cases as well as the first two reported 2 weeks ago were associated with treatment or prophylaxis with Tamiflu," Epperson said. The two latest cases were included in the CDC's weekly surveillance update issued Aug 21.



[AUG 26] [Pandemic H1N1 picks up pace at schools, colleges](#)
Officials at Carnegie Mellon University in Pittsburgh have confirmed novel H1N1 in 24 students, many of whom are being treated in isolation units. Penn State has also confirmed several cases. Meanwhile, schools near Lee County, Alabama, including the cities of Opelika and Auburn, are reporting hundreds of students sick with flu-like illnesses, and dozens of illnesses have been reported in Los Alamos, NM, schools, according to other reports.



[AUG 26] [FDA issues emergency authorization for H1N1 test in military](#)
The US Food and Drug Administration (FDA) yesterday issued an emergency use authorization (EUA) for a novel H1N1 flu diagnostic test in US troops overseas. The Centers for Disease Control and Prevention developed the test, called the CDC swH1N1 Influenza Real-Time RT-PCR. FDA Commissioner Margaret A. Hamburg

said the test will permit faster diagnosis of H1N1 in troops so that treatment can start sooner.



[AUG 26] [CDC offers perspective on White House flu severity scenario](#)

[AUG 24] [Presidential panel calls for planning czar, faster vaccine](#)
A White House expert advisory group today released a report calling for the Obama Administration to accelerate novel H1N1 vaccination preparation for high-risk Americans and appoint a White House pandemic preparedness point person, among other recommendations.

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

Health Protection Agency (UK)



[AUG 27] [Weekly pandemic flu update](#)- week 35

- Further reduction in the rates of flu-like illness and related activity
- Weekly GP consultation rates continued to decrease in England and Wales
- 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. There has been a general decrease in the number of assessments, and antiviral collections, over the past week.
- The main influenza virus circulating in the UK continues to be the pandemic (H1N1) 2009 strain, with few influenza H1 (non-pandemic), H3 and B viruses detected through sentinel and non-sentinel surveillance. To date, in the UK, no pandemic viruses have been found to be resistant to the antiviral drugs oseltamivir or zanamivir
- The majority of pandemic influenza cases continue to be mild. The cumulative number of deaths reported due to pandemic (H1N1) 2009 in the UK is 65. There was a total of 413 new patients hospitalised with suspected pandemic influenza in week 34 (up to 8am Monday 24 August); a decrease of 196 from the previous week. The highest hospitalisation rates have consistently been in the under 5-year age group. Hospitalisation rates have decreased over the past week in all age groups.



[AUG 27] [Risk to pregnant women arising from Influenza A infections : background information for discussion with pregnant women](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

[AUG 20] [Pandemic flu: planning and responding to primary care capacity challenges](#)

[AUG 20] [Advice concerning organ donation and H1N1](#)

[AUG 20] [Swine Flu: Authorisation of the supply of antivirals](#)

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

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



- [AUG 27] [ECDC Situation Report for Aug 27](#)
- Poland announces change in laboratory confirmation policy;
 - Two new oseltamivir-resistant isolates identified in USA;
 - 661 new cases reported in the EU and EFTA countries, reaching a total of 44 651 cases.



[AUG 27] [Public health use of influenza antivirals during influenza pandemics - Interim guidance](#)



[AUG 25] [Influenza A \(H1N1\): EU Health Security Committee agrees statement on target and priority groups for vaccination](#)



[AUG 21] [Understanding the reproduction number and generation times of Influenza A\(H1N1\) 2009](#)

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

European Union



[AUG 26] [EU puts chronically ill, pregnant women, health workers first for vaccine](#)

The European Union's (EU's) health authorities yesterday recommended that people ages 6 months and older who have chronic health conditions, pregnant women, and healthcare workers be first in line for novel H1N1 flu vaccine. The EU statement said it will be up to member states to develop their own vaccination strategies. Unlike the US priority group list, the EU list does not include the general population of children aged 6 months through 4 years.

[AUG 25] [EU Health Security Committee \(HSC\) / Early Warning and Response System \(EWRS\) : HSC/EWRS Statement on Influenza A\(H1N1\) 2009: target and priority groups for vaccination](#)

[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.

[AUG 21] [Pandemic \(H1N1\) 2009 - update 62](#) - REVISED

Region	Cumulative total as of 13 Aug 2009	
	Cases*	Deaths
WHO Regional Office for Africa (AFRO)	1469	3
WHO Regional Office for the Americas (AMRO)	105882	1579
WHO Regional Office for the Eastern Mediterranean (EMRO)	2532	8
WHO Regional Office for Europe (EURO)	Over 32000	53
WHO Regional Office for South-East Asia (SEARO)	13172	106
WHO Regional Office for the Western Pacific (WPRO)	27111	50
Total	Over 182166	1799

*Given that countries are no longer required to test and report individual cases, the number of cases reported actually understates the real number of cases.

[AUG 21] [WHO Recommended use of antivirals](#)
Pandemic (H1N1) 2009 briefing note 8

[AUG 20] [WHO Guidelines for Pharmacological Management of Pandemic \(H1N1\) 2009 Influenza and other Influenza Viruses](#)

[ARCHIVED] [WHO H1N1 Guidance Documents](#)

[ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)

[AUG 25] [Regional Update for Aug 21: Pandemic \(H1N1\) 2009](#)

As of August 21, 2009, a total of 110,113 confirmed cases have been notified in all 35 countries in the Americas Region. A total of 1,876 deaths have been reported among the confirmed cases in 22 countries of the Region.

On July 21, 2009, Canada reported the first case of oseltamivir-resistant pandemic (H1N1) 2009 virus in the Americas Region. Since then, the United States reported on August 14, 2009 the detection of oseltamivir-resistant pandemic (H1N1) 2009 virus in two immunosuppressed patients in the State of Washington.

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

Australia and New Zealand

[AUG 26] [New Zealand Ministry of Health Situation Update 143](#)

There are a total of 3106 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, up from 3114 on 21 August. These are people who have returned a positive laboratory test for pandemic influenza (H1N1) 09. The number of deaths from Pandemic Influenza (H1N1) 09 swine flu is 16.



[AUG 27] [Health Emergency Australia Pandemic \(H1N1\) Update Bulletin for August 27](#)

- At noon Australia had 34 332 confirmed cases of pandemic (H1N1)
- The total number of Australian deaths associated with pandemic (H1N1) is currently 147
- There are currently 422 people in hospital around Australia with pandemic (H1N1), and 86 of these are in Intensive Care Units.



[AUG 26] [Australia's H1N1 epidemic still going strong](#)

Australia's H1N1 flu epidemic has not yet passed its peak, Health Minister Nicola Roxon said today, according to the AAP. Roxon said there have been signs of a decline in cases in some areas, but cases are still increasing in others. The country has had 138 deaths from the virus, and about 80% of people tested for flu-like illness have had it.

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

[ARCHIVED] [New Pandemic Phase Project - PROTECT Guidelines/Updates \[Australia\]](#)

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.*

[Medline literature search on H1N1](#) (current as of today)



[AUG 27] [Should healthcare workers have the swine flu vaccine?](#)

Jordan R, Hayward A. Should healthcare workers have the swine flu vaccine? BMJ. 2009 Aug 25;339:b3398. doi: 10.1136/bmj.b3398.



[AUG 27] [Stockpiling antiviral drugs for the next influenza pandemic.*](#)

Patel A, Gorman SE. Stockpiling antiviral drugs for the next influenza pandemic. Clin Pharmacol Ther. 2009 Sep;86(3):241-3.



[AUG 27] [Assessing public health department employees' willingness to report to work during an influenza pandemic.*](#)

Basta NE, Edwards SE, Schulte J. Assessing public health department employees' willingness to report to work during an influenza pandemic. J Public Health Manag Pract. 2009 Sep-Oct;15(5):375-83.



[AUG 27] [Monitoring the emergence of community transmission of influenza A/H1N1 2009 in England: a cross sectional opportunistic survey of self sampled telephone callers to NHS Direct.](#)

Elliot AJ, Powers C, Thornton A, Obi C, Hill C, Simms I et al. Monitoring the emergence of community transmission of influenza A/H1N1 2009 in England: a cross sectional opportunistic survey of self sampled telephone callers to NHS Direct BMJ 2009;339:b3403, doi: 10.1136/bmj.b3403 (Published 27 August 2009)



[AUG 27] [School closure may be effective in reducing transmission of respiratory viruses in the community.*](#)

A. D. Heymann, I. Hoch, L. Valinsky, E. Kokia And D. M. Steinberg. School closure may be effective in reducing transmission of respiratory viruses in the community. Epidemiol Infection. 2009. 137(10):1369-1376.



[AUG 27] [A randomized controlled trial of vitamin D3 supplementation for the prevention of symptomatic upper respiratory tract infections.*](#)

M. Li-Ng, J. F. Aloia C, S. Pollack, B. A. Cunha, M. Mikhail, J. Yeha, N. Berbaria. A randomized controlled trial of vitamin D3 supplementation for the prevention of symptomatic upper respiratory tract infections. Epidemiol Infection. 2009. 137(10): 1396-1404.



[AUG 27] [Effect of environmental factors on the spatio-temporal patterns of influenza spread.*](#)

K. M. L. Charland, D. L. Buckeridge, J. L. Sturtevant, F. Melton, B. Y. Reis, K. D. Mandl And J. S. Brownstein. Effect of environmental factors on the spatio-temporal patterns of influenza spread Epidemiol Infection. 2009. 137(10): 1377-1387.



[AUG 27] [Understandings of influenza and influenza vaccination among high-risk urban dwelling Thai adults: a qualitative study.](#)

Payaprom Y, Bennett P, Burnard P, Alabaster E, Tantipong H. Understandings of influenza and influenza vaccination among high-risk urban dwelling Thai adults: a qualitative study. J Public Health (Oxf). 2009 Aug 25. [Epub ahead of print]



[AUG 27] [H1N1 Influenza, public health preparedness, and health care reform.](#)

Lurie N. H1N1 Influenza, Public Health Preparedness, and Health Care Reform. NEJM. 2009; 361(9): 843-5.



[AUG 27] [Influenza A\(H1N1\)v in Germany: the first 10,000 cases.](#)

Gilsdorf A, Poggensee G, on behalf of the working group pandemic influenza A(H1N1)v. Influenza A(H1N1)v in Germany: the first 10,000 cases. Euro Surveill. 2009;14(34):pii=19318.



[AUG 27] [Pandemic influenza A\(H1N1\)v in New Zealand: the experience from April to August 2009.](#)

Baker MG, Wilson N, Huang QS, Paine S, Lopez L, Bandaranayake D, Tobias M, Mason K, Mackereth GF, Jacobs M, Thornley C, Roberts S, McArthur C. Pandemic influenza A(H1N1)v in New Zealand: the experience from April to August 2009. Euro Surveill. 2009;14(34):pii=19319.



[AUG 27] [A/H1N1 pandemic: misdiagnosis in the time of meningitis.*](#)

Bourke TW, Shields MD. A/H1N1 pandemic: misdiagnosis in the time of meningitis. BMJ. 2009 Aug 25;339:b3423. doi: 10.1136/bmj.b3423.



[AUG 27] [Encephalitis lethargica and the influenza virus. II. The influenza pandemic of 1918/19 and encephalitis lethargica: epidemiology and symptoms.](#)*

Foley PB. Encephalitis lethargica and the influenza virus. II. The influenza pandemic of 1918/19 and encephalitis lethargica: epidemiology and symptoms. J Neural Transm. 2009 Aug 26. [Epub ahead of print].



[AUG 27] [Encephalitis lethargica and the influenza virus. III. The influenza pandemic of 1918/19 and encephalitis lethargica: neuropathology and discussion.](#)*

Foley PB. Encephalitis lethargica and the influenza virus. III. The influenza pandemic of 1918/19 and encephalitis lethargica: neuropathology and discussion. J Neural Transm. 2009 Aug 26. [Epub ahead of print].



[AUG 27] [Surveillance for the 2009 Pandemic Influenza A \(H1N1\) Virus and Seasonal Influenza Viruses --- New Zealand, 2009](#)

Centers for Disease Control and Prevention (CDC). Surveillance for the 2009 Pandemic Influenza A (H1N1) Virus and Seasonal Influenza Viruses --- New Zealand, 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug ;58(33): 918-921.



[AUG 27] [2009 Pandemic Influenza A \(H1N1\) Virus Infections --- Chicago, Illinois, April--July 2009.](#)

Centers for Disease Control and Prevention (CDC). 009 Pandemic Influenza A (H1N1) Virus Infections --- Chicago, Illinois, April--July 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug ;58(33): 913-18.

[AUG 26] [Changing seasons herald a new phase in the H1N1 pandemic*](#)
Lancet Infectious Diseases 2009 9(9) :529.

[AUG 26] [Prescription of anti-influenza drugs for healthy adults: a systematic review and meta-analysis](#) *

Burch J, Corbett M, Stock C, Nicholson K, Elliot AJ, Duffy S, et al. The Lancet Infectious Diseases. Sept 2009 9(9) : 537 – 545.

[AUG 26] [What's New with the Flu?](#)

Weintrub PS. Journal Watch Pediatrics and Adolescent Medicine August 21, 2009

[AUG 26] [Opposition to swine flu vaccine seems to be growing worldwide](#)

Kmietowicz Z. BMJ 2009;339:b3461

[AUG 26] [Willingness of Hong Kong healthcare workers to accept pre-pandemic influenza vaccination at different WHO alert levels: two questionnaire surveys](#)

Chor JS, Ngai KKL, Goggins WB, Wong MCS, Wong SYS, Lee N, et al. BMJ 2009;339:b3391

[AUG 25] New Research collection : [PLoS Currents: Influenza](#) [the following list of updates are the most recent in the collection]

[First estimation of direct H1N1pdm virulence :from reported non consolidated data from Mauritius and New Caledonia.](#)
Flahault A.

[Fitness of Pandemic H1N1 and Seasonal influenza A viruses during Co-infection : evidence of competitive advantage of pandemic H1N1 influenza versus seasonal Influenza.](#) Perez D, Ye J, Angel M, Pena L, et al.

[The Contribution of the PB1-F2 Protein to the Fitness of Influenza A Viruses and its Recent Evolution in the 2009 Influenza A \(H1N1\) Pandemic Virus.](#)
Trifonov V, Rabadan R, Racaniello.

[Reducing influenza spreading over the airline network.](#)
Marcelino J, Kaiser M.

[Conditions Under Which Predispensing of Antiviral Drugs to Individuals at High Risk of Death from Pandemic Influenza Is Expected to Save Lives.](#) Goldstein E, Lipsitch M, O'Hagan J, Miller JC.

- [AUG 24] [Investment decisions in influenza pandemic contingency planning: cost-effectiveness of stockpiling antiviral drugs](#)
Lugnér AK, Postma MJ. Investment decisions in influenza pandemic contingency planning: cost-effectiveness of stockpiling antiviral drugs. Eur J Public Health. 2009 Aug 19.
- [AUG 24] [The public's acceptance of novel vaccines during a pandemic: A focus group study and its application to influenza H1N1](#)
Henrich N, Holmes B. The public's acceptance of novel vaccines during a pandemic: A focus group study and its application to influenza H1N1. Emerging Health Threats Journal 2009, 2:e8.
- [AUG 24] [The Effect of Universal Influenza Immunization on Antibiotic Prescriptions: An Ecological Study](#)
Kwong JC, Maaten S, Upshur RE, Patrick DM, Marra F. The effect of universal influenza immunization on antibiotic prescriptions: an ecological study. Clin Infect Dis. 2009 Sep 1;49(5):750-6.
- [AUG 24] [Use of Animal Models to Understand the Pandemic Potential of Highly Pathogenic Avian Influenza Viruses](#)
Belsler JA, Szretter KJ, Katz JM, Tumpey TM. Use of animal models to understand the pandemic potential of highly pathogenic avian influenza viruses. Adv Virus Res. 2009;73:55-97.
- [AUG 24] [Influenza at the 26th ICC](#)
McConnell J. Influenza at the 26th ICC. Lancet Infect Dis. 2009 Aug;9(8):464.

- [AUG 24] [Incidence of swine flu in England continues to fall, but winter surge is predicted](#)
Siva N. Incidence of swine flu in England continues to fall, but winter surge is predicted. BMJ. 2009;339:b3421.
- [AUG 24] [Ethical Guidelines in Pandemic Influenza: Recommendations of the Ethics Subcommittee of the Advisory Committee of the Director, Centers for Disease Control and Prevention](#)
Kinlaw K, Barrett DH, Levine RJ. Ethical Guidelines in Pandemic Influenza: Recommendations of the Ethics Subcommittee of the Advisory Committee of the Director, Centers for Disease Control and Prevention. Disaster Med Public Health Prep. 2009 Aug 11. [Epub ahead of print]
- [AUG 22] [Clinical characteristics of paediatric H1N1 admissions in Birmingham, UK](#)
Hackett S, Hill L, Patel J, Ratnaraja N, Ifeyinwa A, Farooqi M, Nusgen V, Debenham V, Gandhi V, Makwana V, Smit V, Welch V. Clinical characteristics of paediatric H1N1 admissions in Birmingham, UK. Lancet. 2009; 374(969); 605.
- [AUG 22] [Swine-origin influenza virus H1N1, seasonal influenza virus, and critical illness in children](#)
Lister P, Reynolds F, Parslow R, Chan A, Cooper M, Plunkett A, Riphagen S, Peters S. Swine-origin influenza virus H1N1, seasonal influenza virus, and critical illness in children. Lancet. 2009; 374(969); 605-07.
- [AUG 21] [Influenza vaccination and mortality: differentiating vaccine effects from bias.](#)
Fireman B, Lee J, Lewis N, Bembom O, van der Laan M, Baxter R. Influenza vaccination and mortality: differentiating vaccine effects from bias. Am J Epidemiol. 2009 Sep 1;170(5):650-6.
- [AUG 21] [A/H1N1 pandemic: Case definition is too loose*.](#)
Wilson EJ, Williams J, McCarron B. A/H1N1 pandemic: Case definition is too loose*. BMJ 2009;339:b3365.
- [AUG 21] [Four at-risk groups will be first to be vaccinated against swine flu, says chief medical officer.*](#)
Dinsdale P. Four at-risk groups will be first to be vaccinated against swine flu, says chief medical officer.* BMJ 2009;339:b3363
- [AUG 21] [Use of revised international health regulations during influenza A \(H1N1\) epidemic, 2009.](#)
Katz R. Use of revised international health regulations during influenza A (H1N1) epidemic, 2009. Emerg Infect Dis. 2009;15(8): 1165-70.
- [AUG 20] [ASID/TSANZ guidelines: treatment and prevention of H1N1 influenza 09 \(human swine influenza\) with antiviral agents](#)
Cheng AC, Dwyer DE, Thomas C, Kotsimbos TC, Starr M, Korman TM, BATTERY JP, Jenkins CR, Krause VL, Johnson PDR. ASID/TSANZ guidelines: treatment and prevention of H1N1 influenza 09 (human swine influenza) with antiviral agents. Med J Austr. 2009 [published online first]

- [AUG 20] [Optimizing Influenza Vaccine Distribution*](#)
Medlock J, Galvani AP. Optimizing influenza vaccine distribution. Science DOI: 10.1126/science.1175570. Published Online August 20, 2009
- [AUG 21] [Use of Influenza A \(H1N1\) 2009 monovalent vaccine](#)
Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009. Use of Influenza A (H1N1) 2009 Monovalent Vaccine. MMWR. 2009; 58; Early Release.
- [AUG 21] [Modelling the impact of an influenza A/H1N1 pandemic on critical care demand from early pathogenicity data: the case for sentinel reporting](#)
Ercole A, Taylor BL, Rhodes A, Menon DK. Modelling the impact of an influenza A/H1N1 pandemic on critical care demand from early pathogenicity data: the case for sentinel reporting*. Anaesthesia. 2009 Sep;64(9):937-41.
- [AUG 21] [Swine flu vaccination in patients with egg allergy](#)
Nasser S, Brathwaite N; BSACI Standards of Care Committee. Swine flu vaccination in patients with egg allergy. Clin Exp Allergy. 2009 Sep;39(9):1288-90.
- [AUG 21] [Influenza A \(H1N1\) infections among healthcare workers: a cause for cautious optimism.*](#)
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Business Resources

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[ARCHIVED] [Business Preparedness for Pandemic: Executive Briefing for Corporate and Governmental Decision-makers](#)

[ARCHIVED] [Link to report from U.S. Government Accountability Office re Pandemic Planning and funding](#)

Canadian Business

[ARCHIVED] [H1N1 virus: A Plan for the Worst](#)

Consumer Health Information Resources

[ARCHIVED] [Krames Patient Education Handouts - H1N1 Flu Virus](#)

[ARCHIVED] [MEDLINEplus - H1N1 Flu \(Swine Flu\)](#)

[ARCHIVED] [Specialized Information Service - National Library of Medicine](#)

[ARCHIVED] [Tufts University - \(SPIRAL\) Selected Patient Information in Asian Languages](#)

Clinical and Public Health Practice Tools

[AUG 18] [Infectious Disease Outbreaks: Tools and Strategies for Front-line Clinicians](#)

Created in consultation with front-line clinicians and infectious disease experts from across Canada, this course is evidence-based and focuses on the coordination between clinical care, public health and the laboratory.

[JUNE 15] [Algorithms from 18 US States to Assist in Decisions Regarding Testing and Treatment of H1N1](#)

Historical Resources

[AUG 17] [A comparative study of the 1918-1920 influenza pandemic in Japan, USA and UK: mortality impact and implications for pandemic planning.](#)

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Travel Advisories

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