

H1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of September 4, 2009 at 4pm

Highlights

- [U.S.] [Feds engage media on pandemic vaccine communication](#)
In advance of the expected pandemic H1N1 vaccination campaign this fall, the US Department of Health and Human Services (HHS) yesterday invited the media to join federal officials in a tabletop exercise to prepare for some possible communications challenges.

About 40 members of the national press took part in the Washington, DC, event, which included some online flu blogs and news services, as well as state and local public health officials. Representatives from several federal agencies participated. Discussions during the three exercise modules were off the record so that federal officials could freely discuss their responses to potential communications problems.
- [CDC Guidance on Helping Child Care and Early Childhood Programs Respond to Influenza during the 2009-2010 Influenza Season](#)
This document provides guidance to help decrease the spread of influenza (flu) among children in early childhood programs and among early childhood providers during the 2009-2010 flu season.
- Eurosurveillance Sept 3 2009; 14(35)
 - [Assessment of secondary attack rate and effectiveness of antiviral prophylaxis among household contacts in an influenza A\(H1N1\)v outbreak in Kobe, Japan, May–June 2009](#)
Odaira F, Takahashi H, Toyokawa T, Tsuchihashin Y, Kodama T, Yahata Y, et al.
 - [Epidemiological analysis of the influenza A\(H1N1\)v outbreak in Bolivia, May-August 2009](#)
Gianella A, Walter A, Revollo R, Loayza R, Vargas J, Roca Y.
- [Flu vaccination campaign poses monitoring difficulties](#) CMAJ
- [Flu pandemic prompts other vaccination delays](#) CMAJ

International News

- [China Licenses Pandemic A\(H1N1\) Vaccine](#)
The Chinese State Food and Drug Administration has issued that country's first license for a vaccine against the pandemic influenza A(H1N1) virus. Sinovac Biotech Ltd., of Beijing announced Sept. 3 that the agency had approved the vaccine, known as Panflu.1. According to the company's [Web site](#), only a single shot (15 micrograms/dose) is needed for inoculation. "Top-line results from [clinical trials] showed Sinovac's H1N1 vaccine to have a good safety profile and immunogenicity factors that reach the European Union criterion after a single shot," the company said in a statement.

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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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International

[World Health Organization \(WHO\)](#)
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Events

Current / Upcoming

[SEP 22-23] [Keeping the World Working During the H1N1 Pandemic: Protecting Employee Health, Critical Operations, and Customer Relations \(Minneapolis, MN\)](#)

We're convening pandemic response experts in public and private sectors who know their business and are ready to act. By participating in this summit, you will:

- Interact with pressure-tested peers willing to share what's worked for them
- Get the straight story on vaccines, antiviral drugs, and infection control
- Benchmark pandemic HR policies on sick leave, pay, travel, & HIPAA
- Identify work-around tactics to deal with supply-chain shortages
- Turn guidance into actions that will keep you in business
- Go back to work with best-of-class knowledge and resources

[SEP 10-11] [Global Health Security Initiative: Special Ministerial Meeting on Pandemic \(H1N1\) 2009, hosted by the European Commission in Brussels, Belgium.](#)

Archived

[SEP 2-3] [Severe H1N1 Disease: Preventing Cases, Reducing Mortality](#)
Winnipeg, Manitoba, Canada

[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:

[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](#)

Ministry of Health and Long-Term Care (MOHLTC)

[SEP 03] [The H1N1 Flu in Ontario – A report by Ontario’s Chief Medical Officer of Health](#)

See also: [Media release about the report](#)

[AUG 28] [Ontario Influenza Bulletin: Surveillance Week 33 \(Aug 16 – Aug 22\)](#)

- Overall, influenza activity in Ontario during week 33, 2009, was similar to week 32, 2009.
- Ontario health units reported 17 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 13 laboratory confirmed cases of pH1N1, which is fewer than the 17 cases reported in week 32.
- During week 33, new laboratory confirmed cases of pH1N1 continued to be seen across the province, with North East region reporting most of these cases. No new institutional influenza outbreaks were reported.
- For week 33, 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 33 for the past 3 years.

[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 (OAHPP)

[SEP 1] [Weekly Synthesis of Surveillance Information, Literature & Government Updates](#) (week ending Aug 28, 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.



[SEP 4] [Deaths associated with H1N1 flu virus in Canada](#)

No deaths reported since the Sep 1/09 update. The cumulative total of H1N1 deaths remains at 72 as of today.

[SEP 2] News release: [Canada well-positioned to provide flu vaccines on time](#)

[AUG 31] Government of Canada Actions:

- [H1N1 in First Nation and Inuit Communities](#)
- [H1N1 Aboriginal Populations](#)

[AUG 28]

[FluWatch findings for Week 33 \(week ending Aug 22\)](#)

- The overall influenza activity slightly decreased this week; relatively low but higher than expected at this time of the year.
- As of August 22, 2009, a total of 1,441 hospitalized cases and 278 cases admitted to an intensive care unit (ICU) had been reported to the Public Health Agency of Canada. This week, one new death was reported for a total of 71 deaths since the beginning of the pandemic. Again this week, approximately 90% of the hospitalized cases and more than 85% of the deaths have been reported by only 4 provinces (Alberta, Manitoba, Ontario and Quebec).
- The overall Pandemic (H1N1) 2009 influenza activity is still decreasing across Canada. The peak period for symptom onset date or specimen collection date occurred between weeks 22 to 24 (May 31, 2009 and June 20, 2009).
- The proportion of females affected, the median age and the proportion of cases with underlying medical conditions increased with severity of illness (on a gradient from all cases, to hospitalized cases, to ICU-admitted cases, to deaths).
- Those under 15 had the highest rates of hospitalization, however mortality was highest in those 45 years and older. Mortality was also elevated in the population under one year of age.

[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.



[SEP 04]

[Technical Report for State and Local Public Health Officials and Child Care and Early Childhood Providers on CDC Guidance on Helping Child Care and Early Childhood Programs Respond to Influenza during the 2009-2010 Influenza Season](#)

This Technical Report provides explanations of the strategies presented in the CDC Guidance on Helping Child Care and Early Childhood Programs Respond to Influenza during the 2009-2010 Influenza Season and suggestions on how to use these strategies. The guidance is designed to decrease exposure to seasonal flu and 2009 H1N1 flu and limit the disruption of the essential service early childhood provides to families



[SEP 04]

[CDC Guidance on Helping Child Care and Early Childhood Programs Respond to Influenza during the 2009-2010 Influenza Season](#)

This document provides guidance to help decrease the spread of influenza (flu) among children in early childhood programs and among early childhood providers during the 2009-2010 flu season.



[SEP 04]

[2009 H1N1 Flu: U.S. Situation Update](#)

As of 11:00 AM ET on September 4, 2009, CDC is reporting 9,079 hospitalized cases and 59 deaths in 53 states and territories (including the District of Columbia, American Samoa, Guam, Puerto Rico and the U.S. Virgin Islands).



- [SEP 04] [2009 H1N1 Flu: International Situation Update](#)
This situation report provides an update to the international situation as of August 28, 2009. As of August 23, the World Health Organization (WHO) regions have reported over 209,438 laboratory-confirmed cases of 2009 H1N1 influenza virus (2009 H1N1) with at least 2,185 deaths.



- [SEP 04] [Weekly FluView Map and Surveillance Report for Week Ending August 29, 2009](#)
During week 34 (August 22-29, 2009), influenza activity remained stable in the United States; however, there were still higher levels of influenza-like illness than is normal for this time of year. 97% of all subtyped influenza A viruses being reported to CDC were 2009 influenza A (H1N1) viruses.

- [SEP 03] [Podcast: 2009 H1N1 ACIP Vaccination Recommendations](#)

- [SEP 02] Updated: [CDC Novel H1N1 Vaccination Planning Q&A](#)

- [SEP 01] [2009 H1N1 Influenza Vaccine and Pregnant Women](#)

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

Other US Sources



- [SEP 03] Institute of Medicine of the National Academies : [Respiratory protection for healthcare workers in the workplace against novel H1N1 Influenza A](#)

- [SEP 03] [Assessment of the of the 2009 Influenza A \(H1N1\) Outbreak on Selected Countries in the Southern Hemisphere](#)

- [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](#)

Center for Infectious Disease Research and Policy



- [SEP 03] [IOM affirms CDC guidance on N95 use in H1N1 setting](#)
The Institute of Medicine (IOM) today affirmed existing federal guidance that healthcare workers caring for H1N1 influenza patients should wear fit-tested N95 respirators, not just surgical masks, to protect them from the virus.



- [SEP 03] [Feds engage media on pandemic vaccine communication](#)

In advance of the expected pandemic H1N1 vaccination campaign this fall, the US Department of Health and Human Services (HHS) yesterday invited the media to join federal officials in a tabletop exercise to prepare for some possible communications challenges.

About 40 members of the national press took part in the Washington, DC, event, which included some online flu blogs and news services, as well as state and local public health officials. Representatives from several federal agencies participated. Discussions during the three exercise modules were off the record so that federal officials could freely discuss their responses to potential communications problems.

[SEP 03] [Study: H1N1 likely to dominate, not mix with, seasonal flu](#)

When a novel H1N1 influenza virus meets up with a seasonal flu virus inside an animal, the novel virus is likely to outdo the seasonal strain—and unlikely to mix with it, according to a report published yesterday.

[SEP 03] [H1N1 vaccination to be required for US military](#)

Vaccination against the pandemic H1N1 influenza will be required for all uniformed US military personnel, with the immunizations starting in early October, the Department of Defense (DoD) announced yesterday.

[SEP 2] [Obama urges public to prepare for fall wave of H1N1](#)

See also: Official White House news releases

- [Official Obama statement \(Sep 1\): Remarks by the President on 2009-H1N1 National Preparedness and Response](#)
- [2009-H1N1 National Preparedness and Response Overview](#)

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

Health Protection Agency (UK)



[SEP 04] [Weekly international summary](#) :This update summarises information published by the World Health Organization (WHO) about the latest global situation.

[SEP 03] [HPA weekly pandemic flu media](#) update

- This week there has been a further reduction in the rates of flu-like illness and related activity.
- Weekly GP consultation rates continued to decrease over the last week in England.
- The majority of cases continue to be mild. There is no sign that the virus is changing. It is not becoming more severe or developing resistance to anti-virals.
- Interpretation of data to produce estimates on the number of new cases continues to be subject to a considerable amount of uncertainty. HPA modelling gives an estimate of 4,500 new cases in England last week (range 2,500 to 10,000). There has been a decrease in estimated number of cases in all age groups and in all regions. *This estimate incorporates data from National Pandemic Flu Service and GP consultations.*

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

[SEP 03] [Swine flu: UK planning assumptions](#)
See also: [“Dear Colleague” letter outlining the above](#)

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

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



[SEP 04] [European Influenza Surveillance Network :Weekly electronic bulletin
Week 35: 24 August 2009 - 30 August 2009](#)

Summary: Sweden is currently the only European country reporting widespread influenza activity at medium level with an increasing trend. In Ireland and the UK (England and Northern Ireland), influenza activity continues to decline, while all other countries are reporting low local activity at most.



[SEP 04] [ECDC Situation Report for Sep 4](#)

- Weekly EISN surveillance bulleting published;
- Study on first 36 pediatric pandemic influenza fatalities in US published;
- Intra-venous zanamivir used successfully in one severely ill patient;
- Italy reported first fatal case related to pandemic (H1N1) influenza;
- 395 new cases reported in the EU and EFTA countries, reaching a total of 48 223 cases.

[SEP 02] [First report of transmission of the pandemic A\(H1N1\) 2009 influenza virus from humans to birds](#)

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

European Union



[SEP 04] [Regular coordination meetings with member states](#)

[AUG 31] [Dutch researchers create swine flu videogame](#)

[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.

[SEP 2] From the current issue of the *Bulletin of the World Health Organization*:
[WHO supports fair access to influenza A \(H1N1\) vaccine \(an interview with Dr Marie-Paule Kieny, Director of the Initiative for Vaccine Research at the WHO\)](#)

See also: Reuters Press Release Summary
[WHO expert says no doubt H1N1 vaccines will work](#)

[AUG 28] Pandemic (H1N1) 2009 briefing note 9: [Preparing for the second wave: lessons from current outbreaks](#)

[AUG 28] [Pandemic \(H1N1\) 2009 - update 63](#)

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

[ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)

[AUG 28] [Regional Update for Aug 28: Pandemic \(H1N1\) 2009](#)

As of August 28, 2009, a total of 116,046 confirmed cases have been notified in all 35 countries in the Americas Region. A total of 2,234 deaths have been reported among the confirmed cases in 22 countries of the Region.

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

Australia and New Zealand



[SEP 04] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 147](#)

- There are a total of 3145 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, up from 3143 on Sept 2.
- The number of deaths from Pandemic Influenza (H1N1) swine flu is 17



[SEP 04] [Australia National H1N1 Influenza 09 Update](#)

- The total number of Australian deaths associated with pandemic (H1N1) 2009 is currently 161
- There are currently 375 people in hospital around Australia with pandemic (H1N1) 2009 and 71 of these are in Intensive Care Units.
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 was identified is 4,548.

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

[ARCHIVED] [New Pandemic Phase \(PROTECT\) Guidelines](#) [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. Contact your library for access.

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

[SEP 02] [Design and Validation of Real-Time RT-PCR assays for detection of pandemic \(H1N1\) 2009 virus](#)

Pabbaraju K, Wong S, Wong AA, Appleyard GD, Chui L, Pang XL, et al. *J Clin Microbiol.* 2009 Sep 2. [Epub ahead of print]



[SEP 03] Eurosurveillance Sept 3 2009; 14(35)
[Assessment of secondary attack rate and effectiveness of antiviral prophylaxis among household contacts in an influenza A\(H1N1\)v outbreak in Kobe, Japan, May–June 2009](#)

Odaira F, Takahashi H, Toyokawa T, Tsuchihashi Y, Kodama T, Yahata Y, et al.

[Epidemiological analysis of the influenza A\(H1N1\)v outbreak in Bolivia, May-August 2009](#)

Gianella A, Walter A, Revollo R, Loayza R, Vargas J, Roca Y.



[SEP 04] [Flu vaccination campaign poses monitoring difficulties](#)
CMAJ



[SEP 03] [Flu pandemic prompts other vaccination delays](#)
CMAJ



[SEP 03] Rapid Antigen Tests for Diagnosis of Pandemic (Swine) Influenza A/H1N1*

Shawn Vasoo S, Jane Stevens J, and Kamaljit Singh S. *Clinical Infectious Diseases.* Published ahead of print 2009 Sept 2.

[SEP 03] What Is a Pandemic?*

David M. Morens, Gregory K. Folkers, and Anthony S. Fauci. *The Journal of Infectious Diseases* 1 October 2009, Vol. 200, No. 7: pp. 1018-1021

[SEP 03] [Lack of airborne transmission during outbreak of pandemic \(H1N1\) 2009 among tour group members, China, June 2009.](#)

Han K, Zhu X, He F, Liu L, Zhang L, Ma H, et al. *Emerg Infect Dis.* 2009 Oct; [Epub ahead of print]

[SEP 03] [Do dentists have a role in fighting the latest H1N1 pandemic? *](#)

Glick M. *J Am Dent Assoc.* 2009 Sep;140(9):1072, 1074.

[SEP 03] [H1N1 after action review: learning from the unexpected, the success and the fear.](#)

Fidler DP. *Future Microbiol.* 2009 Sep;4:767-9. No abstract available.

[SEP 03] Changing seasons herald a new phase in the H1N1 pandemic*

Priya Shetty The Lancet Infectious Diseases, 9(9) Page 529, September 2009
As the northern hemisphere gears up for a new influenza season, the looming question is whether or not there will be a vaccine available by autumn. The issue has taken on a new urgency with the realisation that the spread of the pandemic means that attempts at containment are pointless and that there have been cases of drug resistance to oseltamivir (tamiflu), one of the key anti-H1N1 drugs.

- [SEP 03] [Surveillance for Pediatric Deaths Associated with 2009 Pandemic Influenza A \(H1N1\) Virus Infection --- United States, April--August 2009](#) MMWR September 4, 2009 / 58(34);941-947
- [SEP 02] [Pandemic flu: from the front lines](#)
Researchers describe the scientific and public-health challenges they face in battling the H1N1 virus. Published online 2 September 2009 | Nature **461**, 20-21 (2009) |
- [SEP 2] [Reconstructing the initial global spread of a human influenza pandemic: A Bayesian spatial-temporal model for the global spread of H1N1pdm](#)
Lemey P, Suchard M, Rambaut A. Reconstructing the initial global spread of a human influenza pandemic: A Bayesian spatial-temporal model for the global spread of H1N1pdm. 2 Sep 2009. PLOS Currents. [Epub ahead of print]
- [SEP 2] [Spatiotemporal dynamics in the early stages of the 2009 A/H1N1 influenza pandemic](#)
Jombart T, Eggo RM, Balloux F, Dodd P. Spatiotemporal dynamics in the early stages of the 2009 A/H1N1 influenza pandemic. 1 Sep 2009. PLOS Currents. [Epub ahead of print]
- [SEP 2] [Top-hits for H1N1pdm Identified by Virtual Screening Using Ensemble-based Docking](#)
Nguyen HT, Truong TN, Le L. Top-hits for H1N1pdm Identified by Virtual Screening Using Ensemble-based Docking. 1 Sep 2009. PLOS Currents. [Epub ahead of print]
- [SEP 2] [Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice](#)
Dormitzer PR, Rappuoli R, Casini D et al. Adjuvant is necessary for a robust immune response to a single dose of H1N1 pandemic flu vaccine in mice. 1 Sep 2009. PLOS Currents. [Epub ahead of print]
- [SEP 1] [Virologically Confirmed Population-Based Burden of Hospitalization Caused by Influenza A and B among Children in Hong Kong](#)
Chiu SS, Chan KH, Chen H et al. Virologically Confirmed Population-Based Burden of Hospitalization Caused by Influenza A and B among Children in Hong Kong. Clinical Infectious Diseases. 2009;49. [Epub ahead of print]
- [SEP 1] [Editorial: The Burden of Influenza in Children: Time for Prevention](#)
Edwards KM. The Burden of Influenza in Children: Time for Prevention. Clinical Infectious Diseases. 2009;49. [Epub ahead of print]
- [SEP 1] Editorial: [The H1N1 vaccine race: Can we beat the pandemic?](#)

Hébert PC, MacDonald N. The H1N1 vaccine race: Can we beat the pandemic? CMAJ. 31 Aug 2009. [Epub ahead of print]

- [SEP 1] [Neuraminidase inhibitor resistance after oseltamivir treatment of acute influenza A and B in children*](#)
Stephenson I, Democratis J, Lackenby A, McNally T, Smith J, Pareek M, Ellis J, Bermingham A, Nicholson K, Zambon M. Neuraminidase inhibitor resistance after oseltamivir treatment of acute influenza A and B in children. Clin Infect Dis. 2009 Feb 15;48(4):389-96.
- [SEP 1] [Implications of antiviral resistance of influenza viruses*](#)
Monto AS. Implications of antiviral resistance of influenza viruses. Clin Infect Dis. 2009 Feb 15;48(4):397-9.
- [SEP 1] [Early epidemiological assessment of the virulence of emerging infectious diseases: a case study of an influenza pandemic](#)
Nishiura H, Klinkenberg D, Roberts M, Heesterbeek JA. Early epidemiological assessment of the virulence of emerging infectious diseases: a case study of an influenza pandemic. PLoS One. 2009 Aug 31;4(8):e6852.
- [SEP 1] [Differences in patient age distribution between influenza A subtypes](#)
Khiabani H, Farrell GM, St George K, Rabadan R. Differences in patient age distribution between influenza A subtypes. PLoS One. 2009 Aug 31;4(8):e6832.
- [SEP 1] [Emerging swine flu and increased report of AEFI to classical influenza vaccination*](#)
Wiwanitkit V. Emerging swine flu and increased report of AEFI to classical influenza vaccination. Vaccine. 2009 Aug 27. [Epub ahead of print]
- [SEP 1] [U.S. airport entry screening in response to pandemic influenza: modeling and analysis*](#)
Malone JD, Brigantic R, Muller GA, Gadgil A, Delp W, McMahon BH, Lee R, Kulesz J, Mihelic FM. U.S. airport entry screening in response to pandemic influenza: modeling and analysis. Travel Med Infect Dis. 2009 Jul;7(4):181-91. Epub 2009 Apr 14.
- [SEP 1] [Personal view: Priority patients in a pandemonium*](#)
Wheeler R. Priority patients in a pandemonium. BMJ. 2009 Aug 19;339:b3321.
- [AUG 31] [Critical care doctors want escalated pandemic planning](#)
Eggertson L. Critical care doctors want escalated pandemic planning. CMAJ. September 1, 2009; 181 (5). doi:10.1503/cmaj.109-3005.
- [AUG 31] [Federal policies fuel spread of swine flu, experts say](#)
Webster P. Federal policies fuel spread of swine flu, experts say. CMAJ. September 1, 2009; 181 (5). doi:10.1503/cmaj.091355.
- [AUG 31] [Lack of airborne transmission during outbreak of pandemic \(H1N1\) 2009 among tour group members, China, June 2009](#)
Han K, Zhu X, He F, Liu L, Zhang L, Ma H, et al. Lack of airborne transmission during outbreak of pandemic (H1N1) 2009 among tour group members, China, June 2009. Emerg Infect Dis. 2009 Oct; [Epub ahead of print]

- [AUG 31] [A swine of a pandemic.* \[no abstract\]](#)
Griffiths PD. A swine of a pandemic. Rev Med Virol. 2009 Aug 27;19(5):253-256. [Epub ahead of print]
- [AUG 31] [China boosts pandemic surveillance*](#)
Qiu J.China boosts pandemic surveillance. Nature. 2009 Aug 27;460(7259):1066.
- [AUG 31] [Diabetes mellitus as an important identified personal illness in death cases due to swine flu: An observation*](#)
Wiwanitkit V. Diabetes mellitus as an important identified personal illness in death cases due to swine flu: An observation. Prim Care Diabetes. 2009 Aug 25. [Epub ahead of print]
- [AUG 31] [Prepare now for pandemic readiness security and patient surge*](#)
Petitt WR. Prepare now for pandemic readiness security and patient surge. J Healthc Prot Manage. 2009;25(2):33-8.
- [AUG 31] [A survey of pandemic influenza preparedness and response capabilities in Chicago area hospital security departments*](#)
Kimmerly DP. A survey of pandemic influenza preparedness and response capabilities in Chicago area hospital security departments. J Healthc Prot Manage. 2009;25(2):16-32.
- [AUG 31] [Preparing and sustaining a comprehensive pandemic plan for an academic community*](#)
Atchison CG, Hosmanek EA, Walkner L. Preparing and sustaining a comprehensive pandemic plan for an academic community. Public Health Rep. 2008 Nov-Dec;123(6):807-11.
- [AUG 31] [Molecular modeling of swine influenza A/H1N1, Spanish H1N1, and avian H5N1 flu N1 neuraminidases bound to Tamiflu and Relenza](#)
Ly Le, Klaus Schulten, Eric Lee, and Thanh Truong. PLoS Currents: Influenza.
- [AUG 31] [Tracking the evolution and geographic spread of Influenza A](#)
Donovan H. Parks, Norman J. MacDonald and Robert G. Beiko. PLoS Currents: Influenza.
- [AUG 31] [Mortality and morbidity burden associated with A/H1N1pdm influenza virus](#)
Mark Miller, Cecile Viboud, Lone Simonsen, Donald R. Olson, Colin Russell. PLoS Currents: Influenza
- [AUG 31] [Next Generation Syndromic SurveillanceMolecular Epidemiology, Electronic Health Records and the Pandemic Influenza A \(H1N1\) Virus](#)
Raul Rabadan, Nelil Calman, George Hripscak. PLoS Currents: Influenza
- [AUG 29] [Severe pandemic \(H1N1\) 2009 influenza with false negative direct fluorescent antibody assay: Case series](#)
Kapelusznik L , Patel R, Jao J, Patel G, Daefler S, LaBombardi V, Calfee D.Severe pandemic (H1N1) 2009 influenza with false negative direct fluorescent antibody

essay: Case series. Journal of Virology. 2009; doi:10.1016/j.jcv.2009.07.023
[published online August 29 2009]

- [AUG 29] [Pediatric Update: Boston Medical Center Pediatric Emergency Response to H1N1*](#)
Curtis Cooper M , Walz K, Brown MG, McDonald K, Dwyer D, Dowd P, Byrne K, Griffin M. Pediatric Update: Boston Medical Center Pediatric Emergency Response to H1N1. Journal of Emergency Nursing. 2009; doi:10.1016/j.jen.2009.07.01. [published online Aug 29 2009]
- [AUG 28] Perspective: [What is a pandemic?*](#)
Morens DM, Folkers GK, Fauci AS. What is a pandemic? Journal of Infectious Diseases. Epub 27 Aug 2009.
- [AUG 28] [Evaluation of the safety, reactogenicity and immunogenicity of FluBlok® trivalent recombinant baculovirus-expressed hemagglutinin influenza vaccine administered intramuscularly to healthy children aged 6–59 months*](#)
King JC Jr, Cox MM, Reisinger K, Hedrick J, Grahame I, Patriarca P. Evaluation of the safety, reactogenicity and immunogenicity of FluBlok® trivalent recombinant baculovirus-expressed hemagglutinin influenza vaccine administered intramuscularly to healthy children aged 6–59 months. Vaccine. Epub 27 Aug 2009.
- [AUG 28] [Letter: Influenza: H1N1 Goes to School*](#)
Paterson B, Durrheim DN, Tuyl F. Influenza: H1N1 Goes to School. Science. 28 August 2009;325(5944):1071-72.
- [AUG 28] [Letter: Influenza: Accounting for Prior Immunity*](#)
McCaw JM, McVernon J, McBryde ES, Mathews JD. Influenza: Accounting for Prior Immunity. Science. 28 August 2009;325(5944):1071.
- [AUG 28] [Letter: Influenza: Making Privileged Data Public*](#)
Christopher E. Ormsby and Gustavo Reyes-Terán. Influenza: Making Privileged Data Public. Science. 28 August 2009;325(5944):1072.
- [AUG 28] [Letter: Response—Influenza*](#)
Fraser C, Donnelly CA, Cauchemez S et al. Response—Influenza. Science. 28 August 2009;325(5944):1071-72.
- [AUG 28] [Officials look toward fall for clinical data on pandemic vaccines*](#) Traynor K. Officials look toward fall for clinical data on pandemic vaccines. Am J Health Syst Pharm. 2009 Sep 1;66(17):1513-5.
- [AUG 28] [The role of community molecular diagnostics laboratories in the H1N1 pandemic*](#) Nowak JA, Kaul KL. The role of community molecular diagnostics laboratories in the H1N1 pandemic. J Mol Diagn. 2009 Sep;11(5):369-70.
- [AUG 28] [Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors*](#)
Hollmeyer HG, Hayden F, Poland G, Buchholz U. Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors. Vaccine. 2009 Jun 19;27(30):3935-44. Epub 2009 Apr 8. Review.

- [AUG 28] Letter to the Editor: [Emerging swine flu and increased report of AEFI to classical influenza vaccination](#)
Wiwanitkit V. Emerging swine flu and increased report of AEFI to classical influenza vaccination. Vaccine. Epub 28 Aug 2009.

Business Resources

Harvard Health Publications

- [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.](#)

Richard SA, Sugaya N, Simonsen L, Miller MA, Viboud C. Epidemiol Infect. 2009 Aug;137(8):1062-72.

[JUN 30] [Swine flu of 1976: lessons from the past. An interview with Dr Harvey V Fineberg](#)

Fineberg HV. Swine flu of 1976: lessons from the past. An interview with Dr Harvey V Fineberg. Bull World Health Organ. 2009 Jun;87(6):414-5.

[JUN 29] [The Persistent Legacy of the 1918 Influenza Virus. New England Journal of Medicine.](#)

Morens DM, Taubenberger JK, Fauci AS. The persistent legacy of the 1918 influenza virus. N Engl J Med. 2009 Jul 16;361(3):225-9. Epub 2009 Jun 29.

[JUN 29] [Historical Perspective — Emergence of Influenza A \(H1N1\) Viruses. New England Journal of Medicine](#)

Zimmer SM, Burke DS. Historical perspective--Emergence of influenza A (H1N1) viruses. N Engl J Med. 2009 Jul 16;361(3):279-85. Epub 2009 Jun 29.

[ARCHIVED] [Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic](#)

Markel H, Lipman HB, Navarro JA, et al. Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic. JAMA. 2007;298(6):644-654.

[ARCHIVED] [The Swine Flu Affair: Decision-Making on a Slippery Disease](#)

Neustadt RE, Fineberg HV. The Swine Flu Affair: Decision-Making on a Slippery Disease. Washington: US Department of Health, Education, and Welfare; 1978. Online book.

Travel Advisories

[AUG 28] [Travel Health Notice: Human Swine Influenza in United States](#)

[AUG 28] [Travel Health Notice: Swine Flu in California and Texas](#)

[MAY 19] [Public Health Agency of Canada no longer recommends Canadians postpone elective or non-essential travel to Mexico](#)