

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of October 14, 2009 at 4pm*

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## Highlights

CDC: [Questions & Answers Regarding Respiratory Protection For Infection Control Measures For 2009 H1n1 Influenza Among Healthcare Personnel](#)

[Interim Guidance on Infection Control Measures for 2009 H1N1 Influenza in Healthcare Settings, Including Protection of Healthcare Personnel](#)

HPA(UK): [Collection Point Administration System](#) (CPAS) User Guidance

## *Literature* -----

CMAJ: [Modelling mitigation strategies for pandemic \(H1N1\) 2009.](#)

## *News* -----

MedPage Today: [CDC confirms sickest H1N1 patients have comorbidities](#)

Vancouver Sun: [Canadian hospital screens all pregnant patients](#)

Sanofi: [Kids under 10 need two Sanofi vaccine doses](#)

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[Ontario Ministry of Health and Long-Term Care \(MOHLTC\)](#)  
[Ontario Agency for Health Promotion and Protection \(OAHPP\)](#)

#### **Canada**

[Public Health Agency of Canada \(PHAC\)](#)

#### **United States**

[Centers for Disease Control and Protection \(CDC\)](#)  
[Center for Infectious Disease Research & Policy](#)  
[Other US Sources](#)

#### **Europe**

[United Kingdom's Health Protection Agency \(HPA\)](#)  
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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

- [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  
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### Archived

- [OCT 07] COCA Conference Call: [H1N1 Pediatrics Update and Overview of CDC's Child Care Guidance](#).
- [ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)
- September 8: Rear Admiral Anne Schuchat (CDC) gives a briefing on updated recommendations on the use of antivirals as well as an update on the H1N1 (swine) flu.
- [ARCHIVED] [Know what to do about the flu](#) : webcast series from the U.S flu.gov
- September 9: Parents and Child Care Providers

## Ministry of Health and Long-Term Care (MOHLTC)

[OCT 09] [Ontario Influenza Bulletin: Surveillance Week 39 \(Sep 27 – Oct 3\)](#)

For the surveillance period of September 27 to October 3, 2009 :

- Influenza activity in Ontario was higher compared to the previous week.
- More 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 was above the average rate expected at this time of year.
- Three health units reported localized influenza activity for the current reporting week. 12 health units reported sporadic influenza activity.
- There are 4,144 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

As of October 7 :

- 25 deaths have been reported among confirmed H1N1 cases.
- 14 people who have the H1N1 flu virus were in hospital as of 8:30 a.m. on October 7, a number of whom have underlying medical conditions. 373 other people have been hospitalized and have since been discharged.
- Slightly more hospitalized cases were reported this week compared to last week. One new death among cases was reported this week

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

### Important Health Notices

[ARCHIVED] [Last H1N1 update was August 18](#)

## Ontario Agency for Health Protection and Promotion (OAHP)

[OCT 06] [Weekly Synthesis of Surveillance Information, Literature & Government Updates](#) (week ending Oct 2<sup>nd</sup>, 2009)

[SEP 22] [Laboratory Surveillance Report September 22nd](#)

[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.*

[OCT 13] [Town Hall in Iqaluit Tackles Vaccine Myths](#)

[OCT 13] [Backgrounder: Vaccine Myths](#)

[OCT 13] [Your H1N1 Preparedness Guide](#)  
Press release: [Government of Canada launches H1N1 Preparedness Guide](#)

- [OCT 13] [FluWatch findings for Week 36 \(week ending Oct 3\)](#)
- The overall influenza activity slightly increased for a third consecutive week and was higher than expected for this time of the year. The total number of influenza outbreaks was high this week with 40 outbreaks in schools. The national ILI consultation rate was slightly higher compared to the previous weeks and above the expected range for this time of the year. However, the proportion of positive tests for influenza remained stable low during week 39.
  - BC had a particularly high influenza activity this week with approximately 15% of positive influenza tests and eighteen influenza outbreaks. NT was also affected with their two regions reporting widespread activity and 16 outbreaks.
  - This week, approximately 97% of the positive influenza A subtyped specimens were Pandemic (H1N1) 2009, and the remainder were seasonal A (H1N1).
  - The intensity of Pandemic (H1N1) 2009 in the population was low with twenty-five hospitalizations and no deaths reported this week. Hospitalized cases were reported from BC, AB, MB and ON. As of October 3, 2009, a total of 1,504 hospitalized cases including 295 cases admitted to an intensive care unit (ICU) and 155 cases required ventilation as well as 78 deaths had been reported since the beginning of the pandemic.
  - The influenza activity remained elevated in the U.S. for a fifth consecutive week.
  - The number of confirmed cases in Mexico reached higher levels in September than the Pandemic (H1N1) 2009 peak in April.



- [OCT 13] [Deaths Associated with H1N1 flu virus in Canada](#) [as of Oct 13]  
One death reported in British Columbia since last update, 80 deaths in total.

- [OCT 07] [Hand Hygiene Recommendations for Remote and Isolated Community Settings](#)

- [OCT 07] [Hand Washing Techniques](#)

- [OCT 07] [Canada on Track to Deliver Safe and Effective H1N1 Influenza Vaccine to Canadians](#)

- [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.*



- [OCT 14] [Questions & Answers Regarding Respiratory Protection For Infection Control Measures For 2009 H1n1 Influenza Among Healthcare Personnel](#)



- [OCT 14] [Interim Guidance on Infection Control Measures for 2009 H1N1 Influenza in Healthcare Settings, Including Protection of Healthcare Personnel](#)



[OCT 13] [2009 H1N1 and Seasonal Flu: What You Should Know About Flu Antiviral Drugs](#)

[OCT 13] [What You Should Know and Do this Flu Season If You Are 65 Years and Older: Actions To Take This Flu Season](#)

[OCT 09] [Interim Guidance for Influenza Surveillance: Prioritizing RT-PCR Testing in Laboratories](#)

This document provides interim guidance for state and local health departments, hospitals, and clinicians participating in surveillance activities regarding which patients to prioritize for testing by RT-PCR for influenza surveillance. Based on the continuing spread of 2009 H1N1 virus since the spring and continuing into the fall and increased demand for influenza testing, these guidelines have been developed in an effort to prioritize patients for testing by RT-PCR for influenza for surveillance purposes.

[OCT 09] [2009 H1N1 Flu: Situation Update](#)

Cases Defined by	Hospitalizations	Deaths
Influenza and Pneumonia Syndrome*	12,384	1,544
Influenza Laboratory-Tests**	3,874	240
<b>Totals</b>	<b>16, 258</b>	<b>1,784</b>

[OCT 09] [U.S. Influenza and Pneumonia-Associated Hospitalizations and Deaths from September 27 - October 3, 2009](#)

During the week of September 27 - October 3, 2009, influenza activity continued to increase in the United States. Flu activity is now widespread in 37 states. Nationwide, visits to doctors for influenza-like-illness increased over last week and are higher than expected for this time of year. In addition, flu-related hospitalizations and deaths are increasing as well, and are higher than expected

[OCT 09] [FluView Weekly Influenza Surveillance Report](#)

[OCT 09] [CDC International Situation Update](#)

[OCT 08] [2009 H1N1 and Seasonal Flu: What You Should Know About Flu Antiviral Drugs](#)

[OCT 08] Vaccine Information Statement: [Live, Intranasal 2009 H1N1 Influenza Vaccine](#) and [Simplified Chinese translation](#)

[OCT 08] Vaccine Information Statement: [Inactivated 2009 H1N1 Influenza Vaccine](#) and [Simplified Chinese translation](#)

[OCT 08] [H1N1 Clinicians Questions and Answers](#) [Updated]

[OCT 08] [Podcast: Take 3 Actions to Fight Flu](#)

[OCT 08] [People at High Risk of Developing Flu-Related Complications](#)

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

## Other US Sources

[OCT 12] [NIH Launches 2009 H1N1 Influenza Vaccine Trials in HIV-Infected Pregnant Women](#) [Trial in HIV-Infected Children, Youth to Begin Next Week]



[OCT 12] HHS HealthBeat: [Flu vaccination for mom and baby](#)

[OCT 09] [NIH Prepares to Launch 2009 H1N1 Influenza Vaccine Trial in People with Asthma](#)

[OCT 09] [Trust for America's Health: H1N1 Challenges Ahead](#)  
New report finds hospital beds could run out in 15 states if 35 percent of Americans get H1N1.

## Center for Infectious Disease Research and Policy



[OCT 14] Mexico seals pandemic vaccine deal  
Mexico's health secretary, Jose Angel Cordova, said yesterday that the government has agreed to obtain 10 million more doses of pandemic H1N1 vaccine from two unnamed European companies, the Canadian Press reported. He said the agreement will raise the country's pandemic vaccine supply to 30 million doses. [[Oct 13 Canadian Press story](#)]



[OCT 14] Canadian hospital screens all pregnant patients  
A British Columbia hospital is screening all pregnant women for the pandemic H1N1 virus when they arrive at the facility in an effort to keep sick women separated from flu-free ones, the *Vancouver Sun* reported. Pregnant women are one of the groups at highest risk for serious complications. Screening consists of three questions, and women who have flu symptoms are to be isolated in negative-pressure rooms where staff and visitors will be required to wear masks and gowns. [[Oct 12 Vancouver Sun story](#)]



[OCT 14] Kids under 10 need two Sanofi vaccine doses  
Reporting the first data in children younger than 10 years old, Sanofi Pasteur announced today that this age-group will need two doses of its injectable pandemic H1N1 influenza vaccine, while older kids will require only one shot, consistent with seasonal flu vaccine. In the ongoing clinical trial, after one shot, 50% of kids under 3 had an adequate immune response, compared with 76% of those 3 to 9. No serious side effects were reported. [[Oct 14 Sanofi press release](#)]



[OCT 14] Psoriasis medications may pose H1N1 risk  
Those who have psoriasis or psoriatic arthritis and are taking immunosuppressive drugs should get both seasonal and pandemic flu shots as soon as possible, according to the National Psoriasis Foundation. The foundation recommends that patients get vaccinated early, but not with the nasal-spray vaccine, which contains

live, weakened virus. It also advocates general flu-avoiding hygienic steps. [[Oct 13 News-Medical.net](#)]

[OCT 13] **NBA prepares defense against pandemic flu**  
The National Basketball Association (NBA) has deployed several measures to respond to the pandemic flu threat, including hiring an infectious disease expert advisor, the *Orlando Sentinel* reported today. The NBA has contingency plans for when games are canceled or when many players get sick. Players are urged to report illnesses immediately so team doctors can prescribe antiviral medication, and teams have installed hand sanitizer dispensers throughout their facilities. [[Oct 13 Orlando Sentinel story](#)]

[OCT 13] **EU works out vaccine-sharing proposals**  
European Union health ministers met yesterday to discuss how to make sure all member states have the tools to manage a surge of pandemic flu cases, EUobserver.com reported today. Some countries, such as Bulgaria and Malta, have few resources in their stockpiles. The officials asked the European Commission to develop a vaccine-sharing mechanism and draft a stance on sharing vaccine with needy countries outside the EU. [[Oct 13 EUobserver.com story](#)]



[OCT 13] **Emergency docs concerned about pandemic impact**  
Nearly 90% of emergency physicians who responded to a poll by the American College of Emergency Physicians (ACEP) voiced concern about their ability to take care of extra patients generated by the H1N1 pandemic, the ACEP reported. ACEP President Dr. Angela Gardner said emergency departments need more resources to help them prepare for the pandemic and other health crises. The online poll was sent to 20,464 emergency physicians, 1,043 of whom responded. [[Oct 13 ACEP news release](#)]

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

## Health Protection Agency (UK)



[OCT 12] [Collection Point Administration System](#) (CPAS) User Guidance

[OCT 09] [Prescribing guidance for antiviral drugs](#)

[OCT 08] [HPA Weekly National Influenza Report](#) (Week 41)

[OCT 08] [HPA weekly pandemic flu media update](#)

- The flu-like illness rate in England from the Royal College of General Practitioners (RCGP) scheme increased to 26.3 per 100,000 in week 40. An increase was seen in most age groups.
- The main burden of flu-like illness nationally is in the 5-14 and 15-24 years age groups.
- This week, the antiviral collection numbers in the National Pandemic Flu Service have continued to increase and this has been seen in all age groups. From week 37 to week 38 there was a 24% increase, 39% between week 38 to 39 and 12% from week 39 to 40. The antivirals were most collected by the 25-44 year olds but the largest increase was in the 15-24 year olds. (7,935 in week 39 to 9,675 in week 40).



- 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 18,000 new cases in England last week (range 9,000 to 38,000) compared with 14,000 in week 39.  
*This estimate incorporates data from National Pandemic Flu Service and GP consultations.*

[OCT 12] [Weekly International Summary](#) [taken from WHO data]

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

[OCT 08] [Swine flu vaccination staff training video](#)

[OCT 06] [Workforce and human resources information and guidance](#)

This section contains the latest information and guidance for health professionals, in response to the swine flu pandemic.

[OCT 06] [Swine flu clinical package](#)

A set of tools for use by frontline healthcare professionals, in severe and exceptional circumstances, during a pandemic situation. This revised version has been updated to reflect changes in the guidance on the use of empirical antibiotics and on oseltamivir prescribing in young children. The package has also been revised and redesigned to clarify the circumstances in which it should be used.

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

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



[OCT 14] [ECDC Daily Update: Pandemic H1N1 2009](#)

- Total of 204 fatal cases in Europe and EFTA countries and 4 499 in the rest of the world have been reported up to date.
- A WHO expert meeting describes the recent circulation of influenza viruses. It recommended including an A(H1N1) 2009 in the 2010 Southern Hemisphere seasonal vaccines plus changing the A(H3N2) component.
- Second European report of transmission of the pandemic A(H1N1) 2009 influenza virus from humans to pigs (Norway).
- Russian National Regulatory Agency has approved vaccines against influenza A(H1N1) 2009.

[OCT 12] [ECDC Executive Update: Pandemic influenza A\(H1N1\) 2009 \(Issue 14\)](#)

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

## European Union

- [OCT 12] [Council Conclusions on Pandemic \(H1N1\) 2009 – a strategic approach](#)  
2 965th Employment, Social Policy, Health and Consumer Affairs Council meeting  
Luxembourg, 12 October 2009  
Above press release in [French](#)  
Public Safety Announcement [video](#) of items discussed at meeting
- [OCT 06] [Why healthcare workers are a priority group for pandemic influenza A\(H1N1\) 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.*

- [OCT 09] [Pandemic \(H1N1\) 2009 - update 69](#)  
As of 4 October 2009, worldwide there have been more than 375,000 laboratory confirmed cases of pandemic influenza H1N1 2009 and over 4500 deaths reported to WHO. As many countries have stopped counting individual cases, particularly of milder illness, the case count is significantly lower than the actual number of cases that have occurred. WHO is actively monitoring the progress of the pandemic through frequent consultations with the WHO Regional Offices and member states and through monitoring of multiple sources of data.
- [OCT 06] [Address to the Regional Committee for the Eastern Mediterranean \(56th session\)](#) Dr Margaret Chan, Director-General of the World Health Organization
- [ARCHIVED] [WHO H1N1 Guidance Documents](#)
- [ARCHIVED] [Older WHO Updates](#)

## Pan-American Health Organization (PAHO)

- [OCT 09] [Regional Update. Pandemic \(H1N1\) 2009. \(published on October 9, 2009\)](#)  
Summary of Last Week
- The intensity of acute respiratory diseases in North America was high in U.S. and Mexico and moderate in Canada.
  - Central America experienced low or moderate intensity of acute respiratory diseases, with the exception of Belize that reported activity above what is expected.
  - South America continues to report low or moderate activity of respiratory diseases.
  - 99.1% of the influenza A viruses subtyped were pandemic (H1N1) 2009.
  - 114 new confirmed deaths (3406 deaths accumulated in 25 countries)

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

## Australia and New Zealand

[OCT 13] [Australia National H1N1 Influenza 09 Update](#)

Note: Jurisdictions are reporting data once per week on various days. All figures will be updated on Fridays.

- At noon today Australia has 36,910 (36,889 on Oct 12<sup>th</sup>) confirmed cases of pandemic (H1N1) 2009.
- As of 13 October, 185 people have died. Of these deaths, four were pregnant women and 24\* (13.11%) were Indigenous.
- There have been 24 new hospitalisations for the past week around Australia with pandemic (H1N1) 2009. Of these, 4 people in hospital are Indigenous Australians. There have been 2 people admitted to Intensive Care Units this week
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 is identified at 4,830.



[OCT 14] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 155](#)

- The rate of Pandemic Influenza infections is continuing to decrease in New Zealand, however it is still circulating.
- As at midday today one person is in hospital with confirmed swine flu (H1N1) 09 or its complications – down from four last week.
- The cumulative total of people in New Zealand who have returned a positive laboratory test for swine flu (H1N1) 09 is 3175, up one from last week
- The number of deaths from Pandemic Influenza (H1N1) swine flu is unchanged from last week at 18. Some deaths are still being investigated by the Coroner

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

[ARCHIVED] [New Pandemic Phase \(PROTECT\) Guidelines](#) [Australia]

## pH1N1 Clinical Information

### [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)



- [OCT 14] [Chest Radiographic and CT Findings in Novel Swine-Origin Influenza A \(H1N1\) Virus \(S-OIV\) Infection](#)  
AJR:193, December 2009 DOI:10.2214/AJR.09.3599



- [OCT 14] [Imaging Findings in a Fatal Case of Pandemic Swine-Origin Influenza A \(H1N1\)](#)AJR:193, December 2009 DOI:10.2214/AJR.09.3365



- [OCT 14] [Bacterial Pneumonias during an Influenza Pandemic: How Will We Allocate Antibiotics?](#)  
Cinti SK, Barnosky AR, Gay SE, Goold SD, Lozon MM, Kim K, et al. Biosecur Bioterror. 2009 Sep;7(3):311-316.



- [OCT 14] [Emergency Use Authority and 2009 H1N1 Influenza.](#)  
Sherman SE, Foster J, Vaid S. Biosecur Bioterror. 2009 Sep;7(3):245-50.



- [OCT 13] [Modelling mitigation strategies for pandemic \(H1N1\) 2009.](#)  
Zivkovic Gojovic M, Sander B, Fisman D, Krahn MD, Bauch CT. early release. Published on [www.cmaj.ca](http://www.cmaj.ca) on October 13, 2009.

- [OCT 13] [Does the Vaccine Matter?](#)  
The Atlantic, November 2009. [Epub ahead of print]

- [OCT 12] [The first Pandemic of the 21st Century: A Review of the 2009 Pandemic Variant Influenza A \(H1N1\) Virus.\\*](#)  
Scalera NM, Mossad SB. Postgrad Med. 2009 Sep;121(5):43-47.

- [OCT 12] [Non-invasive management of acute respiratory distress syndrome related to Influenza A \(H1N1\) virus pneumonia in a pregnant woman.\\*](#)  
Djibré M, Berkane N, Salengro A, Ferrand E, Denis M, Chalumeau-Lemoine L, et al. Intensive Care Med. 2009 Oct 10. [Epub ahead of print] No abstract available.

- [OCT 12] [Atypical clinical presentation of H1N1 influenza in a dialysis patient.\\*](#)  
Wiebe C, Reslerova M, Komenda P, Bueti J, Rigatto C, Sood MM. Lancet. 2009 Oct 10;374(9697):1300. No abstract available.

- [OCT 12] [The pandemic 2009 \(H1N1\) swine influenza virus is mild compared to the pandemic 1918 \(H1N1\) virus because of a proline-to-serine substitution in the receptor-binding site of its hemagglutinin - A hypothesis.\\*](#)  
Padlan EA. Med Hypotheses. 2009 Oct 8. [Epub ahead of print]

- [OCT 12] [Clinical pearls for preventing, diagnosing, and treating seasonal and 2009 H1N1 influenza infection in patients with asthma.\\*](#)

Rank MA, Li JT. J Allergy Clin Immunol. 2009 Oct 8. [Epub ahead of print] No abstract available.

- [OCT 12] [Preparing for the Sickest Patients With 2009 Influenza A\(H1N1\)](#)  
White DB, Angus DC. *JAMA*. 2009;302(17):(doi:10.1001/jama.2009.1539).
- [OCT 12] [Extracorporeal Membrane Oxygenation for 2009 Influenza A\(H1N1\) Acute Respiratory Distress Syndrome](#)  
The Australia and New Zealand Extracorporeal Membrane Oxygenation (ANZ ECMO) Influenza Investigators. *JAMA*. 2009;302(17): (doi:10.1001/jama.2009.1535).
- [OCT 12] [Critically Ill Patients With 2009 Influenza A\(H1N1\) in Mexico](#)  
Guillermo Domínguez-Cherit G, Lapinsky SE, Macias AE, Pinto R, Espinosa-Perez L, de la Torre A, et al. *JAMA*. 2009;302(17):(doi:10.1001/jama.2009.1536).
- [OCT 12] [Critically Ill Patients With 2009 Influenza A\(H1N1\) Infection in Canada](#)  
Kumar A, Zarychanski R, Pinto R, Cook DJ, John Marshall J, Jacques Lacroix J, et al; for the Canadian Critical Care Trials Group H1N1 Collaborative. *JAMA*. 2009;302(17):(doi:10.1001/jama.2009.1496).
- [OCT 12] [Antibody response to influenza immunization in coronary artery disease patients: A controlled trial\\*](#)  
Keshkar-Jahromi M, Hossein V, Mohammad R, Sharareh G, Seyed-Mostafa R. Vaccine, In Press, Uncorrected Proof, Available online 9 October 2009
- [OCT 12] [Intramuscular immunization with a vesicular stomatitis virus recombinant expressing the influenza hemagglutinin provides post-exposure protection against lethal influenza challenge\\*](#)  
Barefoot BE, Athearn K, Sample CJ, Ramsburg EA. Vaccine, In Press, Uncorrected Proof, Available online 9 October 2009
- [OCT 12] [Announcement: New System for Monitoring Emergency Department Visits for Influenza-Like Illness](#)  
MMWR Weekly October 9, 2009 / 58(39);1105
- [OCT 12] [The possible macroeconomic impact on the UK of an influenza pandemic.\\*](#)  
Keogh-Brown MR, Wren-Lewis S, Edmunds WJ, Beutels P, Smith RD. Health Econ. 2009 Oct 8. [Epub ahead of print]
- [OCT 12] [Investment in antiviral drugs: a real options approach.\\*](#)  
Attema AE, Lugné AK, Feenstra TL. Health Econ. 2009 Oct 8. [Epub ahead of print]
- [OCT 12] [Pandemic influenza planning by videoconference.](#)  
Kimball AM et al. J Telemed Telecare. 2009;15(7):368-72.
- [OCT 12] [Development of a real-time RT-PCR assay for a novel Influenza A\(H1N1\) virus.\\*](#)  
Jiang T et al. J Virol Methods. 2009 Oct 5. [Epub ahead of print]

- [OCT 09] [\[National public health institutes: a coordinated and comprehensive approach toward influenza A H1N1 and other threats to public health.\]](#)  
Buss P, Koplan JP, Dusenbury C, Binder S, Rosenberg F. Rev Panam Salud Publica. 2009 Aug;26(2):184-8. Spanish.
- [OCT 09] [Mistaken identity: seasonal influenza versus influenza-like illness](#)  
Jefferson T. Clinical Evidence (BMJ Journals).
- [OCT 09] Case report: [Atypical clinical presentation of H1N1 influenza in a dialysis patient\\*](#)  
Wiebe C et al. Lancet. 374(9697):1300.
- [OCT 09] Rapid communication: [Does viral interference affect spread of influenza?](#)  
Eurosurveillance. Volume 14, Issue 40. This short communication hypothesises that rhinovirus epidemics occurring after start of school may interfere with the spread of influenza during the period when warm and humid climate decreases the influenza spread by aerosol.
- [OCT 09] News: [Google Flu Trends includes 14 European countries](#)  
Eurosurveillance. Volume 14, Issue 40.
- [OCT 09] [Hospitalized Patients with 2009 H1N1 Influenza in the United States, April-June 2009](#)  
Jain S et al. NEJM. 10.1056/NEJMoa0906695 [Epub ahead of print]
- [OCT 09] [Critical Care Services and 2009 H1N1 Influenza in Australia and New Zealand](#)  
The ANZIC Influenza Investigators. NEJM. 10.1056/nejmoa0908481. [Epub ahead of print]
- [OCT 09] [Probabilistic indoor transmission modeling for influenza \(sub\)type viruses in Taiwan\\*](#)  
Chen SC, Liao C-M. Journal of Infection. doi:10.1016/j.jinf.2009.09.015. [Epub ahead of print]
- [OCT 09] [Surveillance for neuraminidase-inhibitor-resistant influenza viruses in Japan, 1996-2007.\\*](#)  
Tashiro M et al. Antivir Ther. 2009;14(6):751-761.
- [OCT 09] [The effects of vaccine timing on the efficacy of an acute eccentric exercise intervention on the immune response to an influenza vaccine in young adults\\*](#)  
Campbell JP et al. Brain, Behavior, and Immunity. doi:10.1016/j.bbi.2009.10.001 [Epub ahead of print]
- [OCT 08] [Influenza Vaccination Coverage Among Children and Adults.](#)  
MMWR. 2009; 58(39):1091-1095.

- [OCT 08] [Update on Influenza A \(H1N1\) 2009 Monovalent Vaccines.](#)  
MMWR. 2009; 58(39):1100-1101.
- [OCT 08] [The future of influenza vaccines](#)  
Editorial. BMJ 2009;339:b4014 . Published 6 October 2009, doi:10.1136/bmj.b4014
- [OCT 08] [Chronic Exercise Reduces Illness Severity, Decreases Viral Load, and Results in Greater Anti-Inflammatory Effects than Acute Exercise during Influenza Infection\\*](#)  
Kohut ML, Sim YJ, Yu S, Yoon KJ, Loiacono CM. J Inf Dis. 2009;200:000–000. Published online October 7, 2009. DOI: 10.1086/606014
- [OCT 08] [How to win trust over flu](#)  
Nature 461, 698 (8 October 2009,) | doi:10.1038/461698a; Published online 7 October 2009
- [OCT 08] [Economic Cost and Health Care Workforce Effects of School Closures in the U.S.](#)  
Lempel H, Epstein JM, Hammond RA. PLoS Currents: Influenza. Published online October 5, 2009.
- [OCT 08] [Swine flu and meningitis.\\*](#)  
Head C. Emerg Nurse. 2009 Sep;17(5):8. No abstract available.
- [OCT 08] [Cold weather planning: The flu pandemic that came in from the cold.\\*](#)  
Taylor J. Health Serv J. 2009 Sep 10;119(6173):24-5. No abstract available.
- [OCT 08] [Swine flu: Business as usual in a pandemic.\\*](#)  
Carlisle D. Health Serv J. 2009 Aug 13;119(6169):18-9. No abstract available.
- [OCT 08] [An update on swine-origin influenza virus A/H1N1: a review.\\*](#)  
Schnitzler SU, Schnitzler P. Virus Genes. 2009 Oct 7. [Epub ahead of print]
- [OCT 08] [Reassortment patterns in Swine influenza viruses.](#)  
Khiabani H, Trifonov V, Rabadan R. PLoS One. 2009 Oct 7;4(10):e7366.
- [OCT 08] [Slipping through the net: social vulnerability in pandemic planning.\\*](#)  
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## **Business Resources**

- [SEP 17] [Planning for 2009 H1N1 Influenza : A Preparedness Guide for Small Business](#) [CDC along with Department of Homeland Security and U.S. Small Business Administration]
- [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

[OCT 01] [Scientific Advances: Comparison between the 1957 and 2009 pandemics – a close but imperfect fit](#)

[SEP 29] [Salicylates and Pandemic Influenza Mortality, 1918–1919 Pharmacology, Pathology, and Historic Evidence](#)

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## Travel Advisories

[SEP 30] [Hajj Pilgrims: Recommendations for travel](#)

[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](#)