

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of October 13, 2009 at 4pm

Highlights

PHAC: [Backgrounder: Vaccine Myths](#)

[Your H1N1 Preparedness Guide](#)

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

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

Literature -----

MMWR: [Announcement: New System for Monitoring Emergency Department Visits for Influenza-Like Illness](#)

JAMA: [Critically Ill Patients With 2009 Influenza A\(H1N1\) Infection in Canada](#)

[Preparing for the Sickest Patients With 2009 Influenza A\(H1N1\)](#)

[Extracorporeal Membrane Oxygenation for 2009 Influenza A\(H1N1\) Acute Respiratory Distress Syndrome](#)

[Critically Ill Patients With 2009 Influenza A\(H1N1\) in Mexico](#)

News -----

Newsday: [NY nurse sues over mandatory flu shots](#)

The Local: [Sweden starts vaccinating health workers](#)

Contents

[Events](#)

Updates by Jurisdiction

Ontario

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

Canada

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

United States

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

Europe

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

International

[World Health Organization \(WHO\)](#)
[Pan American Health Organization \(PAHO\)](#)
[Australia and New Zealand](#)

Other Resources

[Consumer Health Information Resources](#)
[pH1N1 Clinical Information](#)
[Research Articles](#)
[Clinical and Public Health Practice Tools](#)
[Historical Resources](#)
[Travel Advisories](#)

Events

Current / Upcoming

- [Feb 3-5] [International Symposium on Neglected Influenza Viruses](#)
February 3-5, 2010 | Amelia Island, Florida
Sponsor: International Society for Influenza and other Respiratory Virus Diseases
Contact:
Gregory C. Gray, MD, MPH | Phone: (319) 384-5008 | gregory-gray@uiowa.edu

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 2nd, 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 08] [Deaths Associated with H1N1 flu virus in Canada](#) [as of Oct 8]
One death reported in British Columbia since last update, 79 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](#)
- [OCT 06] [Mexico Hosts High Level North American Meeting in Response to 2009 Influenza A \(H1N1\)](#)
The Government of Mexico today hosted a meeting with senior officials from Canada and the United States as part of ongoing North American efforts to address the challenges posed by the 2009 Influenza A(H1N1). The objectives of the meeting were for the three countries to take stock of efforts to date, and to continue sharing lessons learned and strategies to further prepare for and respond to the 2009 Influenza A(H1N1) virus.
- [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 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
Totals	16, 258	1,784

[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.

[OCT 07] The Washington Post: [Using the Web to Diagnose Swine Flu](#)
Are you wondering whether you or your kid is sick enough to see a doctor to get treated for swine flu? Microsoft Corp., working with doctors at Emory University, Wednesday announced the availability of an [interactive web site](#) to help.

[OCT 07] The Brookings Institute. [Economic Cost and Health Care Workforce Effects of School Closures in the U.S.](#)
Lempel H, Hammond RA, Epstein JM. Center on Social and Economic Dynamics Working Paper No.55. September 30, 2009

[OCT 06] The US Equal Opportunity Commission: [Pandemic Preparedness In The Workplace And The Americans With Disabilities Act](#)

Center for Infectious Disease Research and Policy



[OCT 12] [Studies point up pandemic demand on critical care resources](#)
CIDRAP News



[OCT 12] [WHO sees November vaccine delivery to poor nations](#)
An official from the World Health Organization said today that the group hopes to start shipping 60 million H1N1 vaccine doses to poor countries in November, the Associated Press (AP) reported. Marie-Paule Kieny said the first doses of the donated vaccine from drug companies and other countries will go to doctors and nurses and maybe high-risk patients in about 100 nations. She added that more donations are needed.



[OCT 12] [Flu illnesses drop slightly at US colleges](#)
The number of flu-like illnesses at the nation's colleges decreased 6% from last week's report, the American College Health Association (ACHA) said in its surveillance for the week ending Oct 2. The report listed 6,326 new influenza-like

illness cases at 250 schools. Nine hospitalizations were reported. The highest levels of flu activity were seen in the mid Atlantic region, as well as in New Hampshire, Rhode Island, Montana, Wyoming, Oregon, and Alaska.



[OCT 12] [NY nurse sues over mandatory flu shots](#)

A registered nurse in Dutchess County, New York, not far from New York City, has sued to prevent New York State from requiring healthcare workers to take the H1N1 flu vaccine. *Newsday* reports that attorneys for nurse Suzanne Field filed for a temporary restraining order last week on behalf of New York State's 60,000 healthcare workers and expect to appear in court Wednesday. New York is the only state to require the vaccine, though individual healthcare organizations do as well.



[OCT 12] [Pregnant women are Cuba's first H1N1 deaths](#)

The Cuban government says that 2,100 pregnant women on the island have been treated for symptoms of H1N1 flu, 110 are seriously ill, and 3 have died, according to a report by state-sponsored media that was carried by the AP. While the first wave of illness was among tourists, Cuban residents are now contracting the flu, with 621 cases confirmed, including 177 children, the deputy health minister said.



[OCT 12] [Sweden starts vaccinating health workers](#)

Sweden began vaccinating health workers in the southern part of the country today, with clinics slated to begin immunizing people as soon as they receive the vaccine, Swedish-based TT News Agency reported today. Authorities noted a lot of interest in the vaccine a month ago when a few fatalities were reported, but the demand for the vaccine has leveled since. Sweden becomes the fourth country to launch novel H1N1 vaccination, after China, Australia, and the United States.

[OCT 12] [UK fears its health workers will shun vaccine](#)

The United Kingdom's Department of Health has ordered regional chiefs of the National Health Service (NHS) to make sure doctors and nurses take the H1N1 vaccine amid fears that uptake will be only 10% to 20%, *The Guardian* reports. NHS executives say healthcare staff will shun the vaccine because the disease appears mild, but fear high absenteeism if unvaccinated staff contract the flu.

[OCT 09] [Pandemic flu still on rise in Northern Hemisphere](#)

The spread of pandemic influenza and rates of flu-like illness continue to climb in many regions of the Northern Hemisphere, according to today's World Health Organization (WHO) weekly update. Early flu transmission continues to increase in many European and Asian countries, while the Southern Hemisphere continues to see a substantial decline. The WHO reports little change with the virus, which has caused at least 4,525 global deaths, up more than 400 from the week before.

[OCT 09] [Lack of case counts blunts assessment of flu impact](#)

The fact that US and other countries' officials have stopped keeping close track of novel H1N1 cases and deaths means the government doesn't have a clear grasp of how hard the pandemic is affecting various groups, said flu expert Andrew Pekosz of Johns Hopkins University, according to the Associated Press (AP). H1N1 appears to be more dangerous for children, young adults, pregnant women, and the obese, but just how dangerous is hard to discern because of this lack of comprehensive data.

[OCT 09] [UK H1N1 cases fewer than feared](#)

Britain reported about 18,000 new pandemic H1N1 cases last week, up from 14,000 the previous week and 9,000 the week before that, according to the *Nursing Times*.

However, flu spread is nowhere near the doubling that some had predicted. Sir Liam Donaldson, the UK's chief medical officer, said, "We may be able to get the vaccine out there before our flu season really gets under way."

[OCT 09] [Hospital gives workers two choices: shot or mask](#)

An Arkansas hospital has devised an alternative to mandating pandemic vaccine for its employees: It gives them a choice between vaccine and wearing a mask. And nearly all 3,200 St. Vincent Health System workers opted for the vaccine; only six chose the mask. A spokesperson said the hospital devised the policy to protect both the public's and its employees' health.

[OCT 09] [Most Canadians unconcerned about H1N1](#)

Only a third of Canadians plan to get vaccinated against novel H1N1 flu, and few seem concerned about the pandemic, a recent poll indicated. The Canadian Press Harris-Decima poll, conducted Oct 1 to 5, found that 36% of respondents were either very concerned or somewhat concerned about the virus, while nearly two thirds were not very or not at all concerned. In the same poll in late August, 45% had planned to get an H1N1 flu shot.

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

Health Protection Agency (UK)

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

- Updates from U.S.A. and Canada included;
- Three studies on treatment and outcome of critically ill patients in intensive care units published;
- Total of 204 fatal cases in Europe and EFTA countries and 4 495 in the world have been reported up to date.



[OCT 12] [ECDC Daily Update: Pandemic H1N1 2009](#)

- Weekly overview of selected non-EU countries published;
- Total of 201 fatal cases in Europe and EFTA countries and 4 675 in the world have been reported up to date.



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

[OCT 05] ECDC Comment: [N95 \(FFP2\) masks no more effective than surgical masks in protecting healthcare workers against human influenza – results of the Canadian randomised controlled trial \(RCT\) among nursing staff](#)

A well-organised controlled trial with nurses in Canadian hospitals found that during seasonal influenza epidemics there was no advantage of the use of N95 respirators (equivalent to the FFP2 level) compared to ordinary surgical mask when laboratory-confirmed influenza infection was an endpoint. This is the first published trial involving healthcare workers and is especially powerful as randomisation took place at an individual (nurse) level.

[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?](#)
- [OCT 02] [Personal message from Commissioner Vassiliou](#)
- [OCT 02] [European Medicines Agency recommends authorisation of additional vaccine for influenza pandemic \(H1N1\) 2009](#)
- [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 12th) 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 07] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 154](#)

- There are few changes to report and influenza activity including swine flu is now the same as would be expected at this time of year.
- As at midday today four people are in hospital with confirmed swine flu (H1N1) 09 or its complications – up from two last week.
- The cumulative total of people in New Zealand who have returned a positive laboratory test for swine flu (H1N1) 09 is 3174, up 11 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 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*](#)
Keshtkar-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, Lugnér 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
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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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- [AUG 28] [Travel Health Notice: Human Swine Influenza in United States](#)
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