

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of September 28, 2009 at 4pm*

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## Highlights

CDC: [Updated Pediatric Antiviral Dosing Syringe and Compounding Information for 2009 H1N1 and Seasonal Flu](#)

Literature: [Public Willingness to Take a Vaccine or Drug Under Emergency Use Authorization during the 2009 H1N1 Pandemic](#)

[Impact of pandemic \(H1N1\) 2009 influenza on critical care capacity in Victoria](#)

[Inactivated influenza vaccine effectiveness against influenza-like illness among young children in Japan—With special reference to minimizing outcome misclassification\\*](#)

[Intervention strategies for an influenza pandemic taking into account secondary bacterial infections\\*](#)

[Estimation of the reproductive number and the serial interval in early phase of the 2009 influenza A/H1N1 pandemic in the USA\\*](#)

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[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](#)  
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#### **Europe**

[United Kingdom's Health Protection Agency \(HPA\)](#)  
[UK Department of Health](#)  
[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 29] [National Obstetric Grand Rounds: Pandemic \(H1N1\) 2009 Influenza and Pregnancy](#)  
Speakers: Sonja Rasmussen, MD MS | Denise Jamieson, MD MPH | Kevin Ault, MD  
**There will be 2 sessions of this COCA Call: 8am – 9am ET and 11am – 12pm ET**  
Call-in number: 800-369-2199 | Passcode: 5382779  
The PowerPoint Presentation will be available on the COCA website on Sept 28<sup>th</sup>.

### Archived

- [SEP 25] Public Health Agency of Canada update on the H1N1 flu virus.  
Webcast of media briefing: [http://www.phac-aspc.gc.ca/alert-alerte/h1n1/h1n1\\_webcast-eng.php](http://www.phac-aspc.gc.ca/alert-alerte/h1n1/h1n1_webcast-eng.php)
- [SEP 23] [Social Media and Technology Breakthroughs: H1N1 and Seasonal Flu Communication](#)  
Free Webinar to Discuss Using Social Media to Plan and Communicate for Flu
- [SEP 23] [Planning for an Influenza Pandemic in the Home Health Care Sector \(Web Conference\)](#)  
To showcase resources that can support emergency preparedness planning within AHRQ will host a Web conference on September 23, 2009.
- [SEP 22-23] [Keeping the World Working During the H1N1 Pandemic: Protecting Employee Health, Critical Operations, and Customer Relations \(Minneapolis, MN\)](#)
- [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)



- [SEP 28] [Ontario Influenza Bulletin: Surveillance Week 37 \(Sep 13 – Sep 19\)](#)
- Overall, influenza activity in Ontario during week 37, 2009, was similar compared to week 36, 2009.
  - Ontario health units reported 12 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 7 laboratory confirmed cases of pH1N1.
  - During week 37, new laboratory
  - confirmed cases of pH1N1 continued to be seen in the Eastern, Central East, and Central West regions.
  - No new institutional influenza outbreaks were reported.

- For week 37, health units reported either 'sporadic' level or no influenza activity. The rate of influenza-like illness (ILI) in patients seen by sentinel physicians was slightly above the range that is expected for this time of the year based on the average ILI rate reported in week 37 from the past 3 years.



[SEP 24] News release: [Ontario Announces Flu Shot Rollout for Seasonal and H1N1 Vaccines](#)

[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 23] [Weekly Synthesis of Surveillance Information, Literature & Government Updates](#) (week ending Sep 18, 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 24] [Respiratory Virus Infections Detected](#)

[SEP 24] [Deaths Associated with H1N1 flu virus in Canada](#)  
No deaths reported since last update, 78 deaths in total.

[SEP 23] [FluWatch findings for Week 36 \(week ending Sep 12\)](#)

- Week 35 marks the start of the 2009-2010 Influenza Season
- The overall trend of influenza activity remains similar to the previous week. However, the national ILI consultation rate increased to 23 consultations per 1,000 this week which is within the range of expected level at this time of the year.
- The peak period of Pandemic (H1N1) 2009 occurred in the first three weeks of June.
- The intensity of Pandemic (H1N1) infection 2009 in the population is low to moderate with a small number of hospitalizations (n=15) and two deaths reported this week. As of September 12, 2009, a total of 1,459 hospitalized cases, 288 cases admitted to an intensive care unit (ICU) and 76 deaths had been reported since the beginning of the pandemic.
- While the Pandemic (H1N1) 2009 has spread to all provinces and territories, approximately 90% of hospitalized cases and more than 85% of deaths are reported from 4 provinces (AB, MB, ON, QC). Hospitalized cases were reported from BC, AB, ON, QC and NT this week.
- Children under 2 years of age, pregnant women, persons under 65 years of age with underlying medical conditions and Aboriginal populations have higher rates of hospitalization and greater risk of severe outcomes (ICU admission and death). Aboriginal communities have more pregnant women, young

children, and underlying chronic disease than the general Canadian population, which may explain the disproportionate number of severe cases in this population.

[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 28] [CDC Health Alert Network \(HAN\) Info Service Message: Updated Pediatric Antiviral Dosing Syringe and Compounding Information for 2009 H1N1 and Seasonal Flu](#)

[SEP 25] [Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists](#)

September 13- September 19:

- Influenza and Pneumonia Syndrome: 8,392 hospitalized, 822 deaths
- Influenza Laboratory-tests: 690 hospitalized, 114deaths
- Total: 10,082 hospitalizations and 936 deaths

[SEP 25] [Weekly FluView Map and Surveillance Report for Week Ending September 19, 2009](#)

During week 36 (September 13-19, 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.

[SEP 25] [2009 H1N1 Flu: International Situation Update](#)

- The 2009 H1N1 influenza virus is the predominant influenza virus in circulation worldwide in most countries worldwide.
- The epidemiology of disease caused by 2009 H1N1 influenza in the Southern Hemisphere is very similar to that described in the United States in the spring of 2009.
- There have been no significant changes detected in the 2009 H1N1 influenza viruses isolated from persons in the Southern Hemisphere as compared to viruses isolated from persons in the Northern Hemisphere.
- In August, a White House report was prepared by the Department of Health and Human Services (HHS) in coordination with the Office of the Director for National Intelligence (ODNI) and the Department of State (DoS) and describes the characteristics and impact of 2009 H1N1 influenza A virus in the Southern Hemisphere. The full report can be accessed by the link provided in the Reports and Publications section below.
- As of September 25, 2009, WHO reported that more than 10,000 2009 H1N1 influenza isolates worldwide were tested and found to be sensitive to oseltamivir, an antiviral medicine used to treat influenza disease. Only 28 2009 H1N1 isolates tested have been found to be resistant to oseltamivir – 11 of these isolates were detected in the United States.
- On September 18, 2009, the United States, together with Australia, Brazil, France, Italy, New Zealand, Norway, Switzerland and the United Kingdom, announced plans to donate pandemic vaccine to the developing world.

- [SEP 25] [Update: Translations for Action Steps for Parents if School is Dismissed or Children are Sick and Must Stay Home](#)
- [SEP 25] [Update:Translations for Preparing for the Flu: A Communication Toolkit for Institutions of Higher Education](#)
- [SEP 25] [Update: Translations for Emergency Use Authorization of Tamiflu \(oseltamivir\)](#)
- [SEP 25] [Update: Translations for Action Steps for Parents to Protect Your Child and Family from the Flu this School Year](#)
- [SEP 25] [Update: Translations for Action Steps for Parents of Children at High Risk for Flu Complications](#)
- [SEP 23] [H1N1 Flu \(Swine Flu\): Preparedness Tools for Professionals](#)
- [SEP 23] [CDC launches H1N1 flu mobile texting update \[pilot\]](#)
- [SEP 22] [2009-2010 Influenza Season: Information for Pharmacists](#)
- [SEP 22] [Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season](#)
- [SEP 22] [Questions & Answers: Antiviral Drugs, 2009-2010 Flu Season](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

## **Other US Sources**

- [SEP 24] [HHS Agency for Healthcare Research and Quality \(AHRQ\). Mass Medical Care with Scarce Resources: The Essentials.](#)
- [SEP 24] [H1N1 Flu: A Guide for Community and Faith-based](#)
- [SEP 21] [DHHS Office of Inspector General report on pandemic preparedness and medical surge](#)
- [SEP 21] [DHHS Office of Inspector General report on pandemic preparedness and vaccine and antiviral distribution](#)
- [SEP 21] [National Institute of Allergy and Infectious Diseases: Early Results: In Children, 2009 H1N1 Influenza Vaccine Works Like Seasonal Flu Vaccine](#)

## Center for Infectious Disease Research and Policy



[SEP 25] [As H1N1 sweeps US, officials brace for vaccine launch](#)



[SEP 25] [WHO: Certain H1N1 cases may predict antiviral resistance](#)



[SEP 25] [Biggest pandemic worry for business: absenteeism](#)



[SEP 25] [Europe approves two pandemic vaccines](#)

Europe's drug regulatory agency today approved two pandemic H1N1 vaccines, one made by GlaxoSmithKline and the other by Novartis. The two vaccines were developed through a "mock up" process that moved forward during preparation for the H5N1 avian influenza virus. Both vaccines contain adjuvants, with Novartis's having been in use since 1997. The agency is recommending a two-dose schedule but said it expects further data that may confirm one-dose efficacy. [[Sep 25 European Medicines Agency release](#)]



[SEP 25] [Mexico unveils measures against next wave](#)

Mexico's health minister announced measures yesterday to address renewed novel H1N1 outbreaks in the country, Xinhua, China's state news agency, reported. Public hospitals will delay nonessential surgeries and reserve 12% of their beds for flu patients. The new measures also establish special areas in hospitals to isolate patients who have the virus. Officials expect 8,000 to 10,000 hospitalizations over the coming flu season. [[Sep 24 Xinhua story](#)]



[SEP 25] [Survey finds tepid interest in kids' H1N1 vaccine](#)

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

## Health Protection Agency (UK)

[SEP 24] [HPA Weekly National Influenza Report](#)

[SEP 24] [HPA weekly pandemic flu media update](#)

- The rates of flu-like illness and related activity have shown further increases in England.
- The flu-like illness rate in England from the Royal College of General Practitioners (RCGP) scheme increased to 16.2 per 100,000 in week 38. Most age groups saw an increase.
- 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 under 65. Once again, the biggest increase has been seen in the 5-15 year old age group with antiviral collections again doubling from 2,886 to 5,580.
- 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 9,000 new cases in England last week (range

5,000 to 20,000). This is the second weekly increase since week 30.

***This estimate incorporates data from National Pandemic Flu Service and GP consultations.***

- Sharp rises in influenza activity in recent weeks are reported from the USA - concentrated particularly in school age children. Increasing activity has also been reported in a number of European countries, particularly France.

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

[SEP 24] [Authorisation of antiviral medicines - Guidance on the use of FP10SS forms and Antiviral Authorisation Vouchers during the H1N1 \(swine flu\) pandemic in England](#)

[SEP 24] [Dosage of oseltamivir in children under one year of age with swine flu](#)

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

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



[SEP 28] [ECDC comments on MMWR report on Antiviral resistant viruses in the 2009 influenza pandemic and implications for use of antivirals](#)



[SEP 28] [ECDC Daily Update](#)

Main developments in past 72 hours:

- ECDC Pandemic Risk Assessment updated
- Weekly overview of selected non-EU countries
- Possible first fatal case in Germany
- **Canadian provinces amending seasonal influenza vaccination campaigns**  
*"According to media reports Alberta, Saskatchewan, Ontario and Nova Scotia have suspended seasonal influenza vaccination campaigns for people under the age of 65. These decisions have been made pending peer-review and publication of a Canadian study suggesting seasonal influenza vaccination is associated with an increased risk of infection with pandemic influenza. Similar associations have not been reported from countries in Europe or in the Southern Hemisphere."*
- 548 new cases reported in the EU and EFTA countries, reaching a total of 54 667 cases

[SEP 28] [ECDC Executive Update: Pandemic influenza A\(H1N1\) 2009 \(Issue 12\)](#)

[SEP 25] [Current Pandemic Risk Assessment](#)



- Well prepared essential services are not overly taxed by this pandemic in its current form but that there are pressures experienced by hospital services, especially intensive care units.
- Planning assumptions (reasonable worst-case scenarios) for clinical attack, hospitalisation and case fatality rates have been reduced.
- There are a number of indications of there being asymptomatic infections.
- Moreover, there are descriptions of unusual and very severe clinical conditions experienced by some individuals, especially primary viral pneumonias leading to Acute Respiratory Distress Syndrome (ARDS), as well as single and multiple organ failure.
- The additional individual risk of severe disease experienced by pregnant women because of infection with the pandemic infection has now been roughly quantified.

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

## European Union

[SEP 25] [EMEA gives positive opinions for authorisation of two pandemic influenza vaccines](#)

[SEP 22] [WHO Regional Committee for the Eastern Mediterranean - Special Session of the Regional Committee on 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.*

[SEP 25] [Pandemic \(H1N1\) 2009 - update 67](#)

- As of 20 September 2009, there have been more than 300,000 laboratory confirmed cases of pandemic influenza H1N1, 3917 deaths, in 191 countries and territories reported to WHO.
- All pandemic H1N1 2009 influenza viruses analyzed to date have been antigenically and genetically similar to A/California/7/2009-like pandemic H1N1 2009 virus.
- In the temperate regions of the northern hemisphere, influenza-like-illness (ILI) activity continues to increase in many areas. In the tropical regions of the Americas and Asia, influenza activity remains variable. Although most countries in the tropical regions of the Americas are still reporting regional to widespread geographic spread of influenza activity, there is no consistent pattern in the trend of respiratory diseases. In the temperate regions of the southern hemisphere, influenza transmission has largely returned to baseline (Chile, Argentina, and New Zealand) or is continuing to decline (Australia and South Africa).

[SEP 25] [Antiviral use and the risk of drug resistance Pandemic \(H1N1\) 2009 briefing note 12](#)

[SEP 24] [Director-General Statement following the fifth meeting of the Emergency Committee](#)

[SEP 24] [Pandemic influenza vaccines: current status](#)  
Pandemic (H1N1) 2009 briefing note 11

[SEP 23] [Recommended composition of influenza virus vaccines for use in the 2010 southern hemisphere influenza season](#) :  
It is recommended that vaccines for use in the 2010 influenza season (southern hemisphere winter) contain the following:

- an A/California/7/2009 (H1N1)-like virus;
- an A/Perth/16/2009 (H3N2)-like virus;
- a B/Brisbane/60/2008-like virus.

[SEP 21] [Margaret Chan: Remarks at the opening ceremony Regional Committee for Western Pacific \(60th session\)](#)

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

[ARCHIVED] [Older WHO Updates](#)

## Pan-American Health Organization (PAHO)



[SEP 25] [Regional Update for Epidemiological Week 37 \(EW 37\), Sep 13-19](#)

- Only the 18 countries reported updated information to PAHO regarding the qualitative indicators to monitor pandemic (H1N1) 2009 this week
- 14 countries in the Region reported having widespread geographical distribution of influenza virus
- Brazil and Cuba reported regional activity and Dominica and Saint Kitts and Nevis reported no activity
- Barbados, Canada, Cuba, Honduras, Jamaica, Mexico, and the United States reported an increasing trend of respiratory disease. Brazil, Costa Rica, El Salvador, Paraguay, Saint Kitts and Nevis, and Venezuela reported a decreasing trend. The other five countries reported an unchanged trend
- Regarding the intensity of acute respiratory disease, El Salvador, Mexico, and Paraguay reported high intensity of acute respiratory disease. The remaining 15 countries reported low or moderate intensity
- Nine countries (Barbados, Brazil, Costa Rica, Ecuador, El Salvador, Mexico, Paraguay, United States, and Venezuela) reported moderate impact on health care services, while eight countries reported low impact (Map 4).

[SEP 25] [PAHO/WHO launches two communities of practice \(CoPs\) related to the Pandemic \(H1N1\) 2009](#)

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

## Australia and New Zealand



[SEP 26] [New influenza testing equipment for all States and Territories](#)  
The Australian Government will provide \$1.4 million in funding to the National

Influenza Centres and other public health laboratories to purchase automated influenza testing equipment. Every State and Territory will receive funding as part of this initiative. This new equipment will enhance the capacity for pandemic influenza testing by Australia's public health facilities and allow laboratories to handle increased influenza testing demand.

[SEP 24] [Australia National H1N1 Influenza 09 Update](#)

- At noon today Australia has 36,559 confirmed cases of pandemic (H1N1) 2009.
- The number of deaths associated with pandemic (H1N1) 2009 continues to increase. As of 24 September, 178 people have died. Of these deaths, four were pregnant women and 24\*(13.55%) were Indigenous.
- There are currently 290 people in hospital around Australia with pandemic (H1N1) 2009. Of these, 11 of the people in hospital are Indigenous Australians. There are 54 people in Intensive Care Units at present.
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 is identified at 4,778.

[SEP 23] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 152](#)

- There are a total of 3161 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, compared with 3152 on 23 September.
- The number of deaths from Pandemic Influenza (H1N1) swine flu where swine flu was a primary cause remains at 17. Other deaths are being investigated by the Coroner's office.
- As at midday today, three people were reported to be in hospital with pandemic Influenza (H1N1) 09 or its complications.

[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)



[SEP 28] [Estimation of the reproductive number and the serial interval in early phase of the 2009 influenza A/H1N1 pandemic in the USA\\*](#)

White LF, Wallinga J, Finelli L, Reed C, Riley S, Lipsitch M, Pagano M. Influenza and Other Respiratory Viruses. [Epub ahead of print]



[SEP 28] [Public Willingness to Take a Vaccine or Drug Under Emergency Use Authorization during the 2009 H1N1 Pandemic.](#)  
Quinn SC, Kumar S, Freimuth VS, Kidwell K, Musa D. Biosecur Bioterror. 2009 Sep 23.



[SEP 28] Ahead of print from Disaster Medicine and Public Health Preparedness:  
[Observations on Past Influenza Pandemics](#)  
Barry JM. 10.1097/DMP.0b013e3181be82c5.

[Effective Pandemic Preparedness](#)  
Yeskey K. 10.1097/DMP.0b013e3181bf5e1b.



[SEP 28] [Impact of pandemic \(H1N1\) 2009 influenza on critical care capacity in Victoria.\\*](#)  
Lum ME, McMillan AJ, Brook CW, Lester R, Piers LS. eMJA rapid online publication.



[SEP 28] [Inactivated influenza vaccine effectiveness against influenza-like illness among young children in Japan—With special reference to minimizing outcome misclassification\\*](#)  
Ochiaia H, Fujiedaa M, Ohfujia S et al. Vaccine. [Epub ahead of print]



[SEP 28] [The timing of influenza vaccination for older adults \(65 years and older\)\\*](#)  
Leea BY, Taia JHY, Baileya RR, Smith KJ. Vaccine. [Epub ahead of print]



[SEP 28] [Parental attitude toward influenza A\(H1N1\)v vaccination in Italy\\*](#)  
Tozzi AE, Gesualdoa F, Romanoa M, Caione D. Vaccine. [Epub ahead of print]



[SEP 28] [News: Children are likely to need two doses of swine flu vaccine](#)  
Wise J. doi:10.1136/bmj.b3969. BMJ 2009;339:b3969.



[SEP 28] [Intervention strategies for an influenza pandemic taking into account secondary bacterial infections\\*](#)  
Handela A, Longini, IM Jr, Antiab R. Epidemics. [Epub ahead of print]



[SEP 28] [Evolutionary complexities of swine flu H1N1 gene sequences of 2009\\*](#)  
Sinhaa NK, Royb A, Dasb B, Dasb S, Basak S. Biochemical and Biophysical Research Communications. [Epub ahead of print]

[SEP 25] [The University of Toronto Centre for Bioethics. Ethics and Pandemic Influenza White Paper series.](#)

[SEP 25] [Performance of rapid influenza diagnostic tests during two school outbreaks of 2009 pandemic influenza A \(H1N1\) virus infection -- Connecticut, 2009.](#)  
Sabetta J, et al. MMWR. 2009; 58(37):1029-1032

- [SEP 25] [Parental attitude toward influenza A\(H1N1\)v vaccination in Italy](#)  
Tozzi AE, Gesualdo F, Romano M, Caione D. Vaccine 2009. In Press, Uncorrected Proof, Available online 23 September 2009.
- [SEP 25] [Public Willingness to Take a Vaccine or Drug Under Emergency Use Authorization during the 2009 H1N1 Pandemic.](#)  
Quinn SC, Kumar S, Freimuth VS, Kidwell K, Musa D. Biosecur Bioterror. 2009. Published online Sep 23.
- [SEP 24] [Influenza \(H1N1\) 2009 outbreak and school closure, Osaka Prefecture, Japan \[letter\].](#)  
Kawaguchi R, Miyazono M, Noda T, Takayama Y, Sasai Y, Iso H. Emerg Infect Dis. 2009 Oct; [Epub ahead of print]
- [SEP 24] [Preexisting immunity to pandemic \(H1N1\) 2009 \[letter\].](#)  
Xing Z, Cardona CJ. Emerg Infect Dis. 2009 Nov; [Epub ahead of print]
- [SEP 24] [Serologic survey of pandemic \(H1N1\) 2009 virus, Guangxi Province, China \[letter\].](#)  
Chen H, Wang Y, Liu W, Zhang J, Dong B, Fan X, et al. Emerg Infect Dis. 2009 Nov; [Epub ahead of print]
- [SEP 24] [Maximizing the value of drug stockpiles for pandemic influenza \[letter\].](#)  
Li Wan Po A, Farndon P, Palmer N. Emerg Infect Dis. 2009 Oct; [Epub ahead of print]
- [SEP 24] [Performance of Rapid Influenza Diagnostic Tests During Two School Outbreaks of 2009 Pandemic Influenza A \(H1N1\) Virus Infection --- Connecticut, 2009](#)  
MMWR Weekly September 25, 2009 / 58(37);1029-1032
- [SEP 24] [Safety and Efficacy of Extended-Duration Antiviral Chemoprophylaxis Against Pandemic and Seasonal Influenza](#)  
Khazeni N, Bravata DM, Holty JEC, Uyeki TM, Stave CD, Gould MK. Annals of Internal Medicine. 6 October 2009. 151(7)
- [SEP 24] [Facemasks and Hand Hygiene to Prevent Influenza Transmission in Households A Randomized Trial](#)  
Cowling BJ, Chan KH, Fang VJ, Cheng CKY, Fung ROP, Wai W, et al. Annals of Internal Medicine. 6 October 2009. 151(7)
- [SEP 24] CMAJ News: [Pandemic \(H1N1\) 2009 lives in some people for at least eight days](#)
- [SEP 24] [Risk of Confusion in Dosing Tamiflu Oral Suspension in Children Comparative Efficacy of Inactivated and Live Attenuated Influenza Vaccines \\*](#)  
Monto AS, Ohmit SE, Petrie JG, Johnson E, Truscon R, Teich E, Rotthoff J, et al. NEJM 361(13);1260-1267 Sept 24, 2009

- [SEP 24] **EUROSURVEILLANCE**  
[Enhanced surveillance of initial cases of pandemic H1N1 2009 influenza in Ireland, April - July 2009.](#)  
Martin J, O'Donnell J, Igoe D, O'Hora A, Thornton L, Murphy N, Cullen G, Fitzgerald M, Cotter S, McKeown P, O'Flanagan D, in conjunction with the National Public Health Outbreak Response Team. Euro Surveill. 2009;14(38):pii=19337.
- [Oseltamivir susceptibility in south-western France during the 2007-8 and 2008-9 influenza epidemics and the ongoing influenza pandemic 2009.](#)  
Burrell S, Roncin L, Lafon ME, Fleury H. Euro Surveill. 2009;14(38):pii=19334.
- [SEP 24] [Evaluation of twenty rapid antigen tests for the detection of human influenza A H5N1, H3N2, H1N1, and B viruses.](#) \*  
Taylor J, McPhie K, Druce J, Birch C, Dwyer DE. J Med Virol. 2009 Sep 22;81(11):1918-1922. [Epub ahead of print]
- [SEP 24] [Finding a new drug and vaccine for emerging swine flu: What is the concept?](#) \*  
Wiwanitkit V. Biologics. 2009;3:377-83. Epub 2009 Sep 15.
- [SEP 24] [Aerosol transmission of influenza A virus: a review of new studies.](#) \*  
Tellier R. J R Soc Interface. 2009 Sep 22. [Epub ahead of print]
- [SEP 24] [The US Food and Drug Administration provides a pathway for licensing vaccines for global diseases.](#)  
Brennan MJ. PLoS Med. 2009 Jul 21;6(7):e1000095. Epub 2009 Jul 21. No abstract available.
- [SEP 23] Swine flu. Immunisation choices risk creating local variations. PCTs decide on vaccine priority \*  
West D, Ford S. Health Serv J. 2009 Aug 20;119(6170):5. No abstract available.
- [SEP 23] [First line of defense. Worries flare about H1N1 vaccinations for workers\\*](#)  
Zigmond J. Mod Healthc. 2009 Aug 31;39(35):12. No abstract available.
- [SEP 23] [A/H1N1 influenza virus passes to birds.\\*](#)  
[No authors listed] Vet Rec. 2009 Aug 29;165(9):248. No abstract available.
- [SEP 23] [Economic analysis of pandemic influenza vaccination strategies in Singapore.](#)  
Lee VJ, Tok MY, Chow VT, Phua KH, Ooi EE, Tambyah PA, Chen MI. PLoS One. 2009 Sep 22;4(9):e71108
- [SEP 23] [The feasibility of using high resolution genome sequencing of influenza a viruses to detect mixed infections and quasispecies.](#)  
Ramakrishnan MA, Tu ZJ, Singh S, Chockalingam AK, Gramer MR, Wang P, et al. PLoS One. 2009 Sep 22;4(9):e71105.
- [SEP 23] [Why are oseltamivir and zanamivir effective against the newly emerged](#)

[influenza A virus \(A/H1N1\)? \\*](#)

Yu K, Luo C, Qin G, Xu Z, Li N, Liu H, et al. Cell Res. 2009 Sep 22. [Epub ahead of print] No abstract available.

- [SEP 23] [Association Between School Closure and Subsequent Absenteeism During a Seasonal Influenza Epidemic.\\*](#)  
Rodriguez CV, Rietberg K, Baer A, Kwan-Gett T, Duchin J. Epidemiology. 2009 Sep 15. [Epub ahead of print]
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- [SEP 22] [Point of Care strategy for rapid diagnosis of novel A/H1N1 influenza virus.](#)  
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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

[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.

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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](#)