

# H1N1 Flu Virus (Human Swine Influenza) Information Resources

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

---

## Highlights

- WHO: Pandemic (H1N1) 2009 briefing note 9: [Preparing for the second wave: lessons from current outbreaks](#)
- A study of the first 3 months of the H1N1 flu epidemic in Chicago shows that children aged 5 to 14 were 14 times more susceptible to the virus than adults aged 60 and older: [2009 pandemic influenza A \(H1N1\) virus infections--Chicago, Illinois, April-July 2009](#) MMWR Morb Mortal Wkly Rep. 2009 Aug 28;58(33):913-8.
- New Zealand's medical visit rate for flu-like illness tripled this year [Surveillance for the 2009 pandemic influenza A \(H1N1\) virus and seasonal influenza viruses--New Zealand, 2009](#) MMWR Morb Mortal Wkly Rep. 2009 Aug 28;58(33):918-21.
- UPDATED: [ECDC Interim Risk Assessment: Pandemic \(H1N1\) 2009 influenza](#)

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

## Events

### Current / Upcoming



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

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

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

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

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

### Archived

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

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

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

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

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

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

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

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

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

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



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

- Overall, influenza activity in Ontario during week 33, 2009, was similar to week 32, 2009.
- Ontario health units reported 17 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 13 laboratory confirmed cases of pH1N1, which is fewer than the 17 cases reported in week 32.
- During week 33, new laboratory confirmed cases of pH1N1 continued to be seen across the province, with North East region reporting most of these cases. No new institutional influenza outbreaks were reported.
- For week 33, North East health region reported 'localized' level activity while the remaining health regions reported 'sporadic' level activity.
- The rate of influenza-like illness (ILI) in patients seen by sentinel physicians was above the range that is expected for this time of the year based on the average ILI rate reported in week 33 for the past 3 years.

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

### Important Health Notices

[Last H1N1 update was August 18](#)

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

[AUG 18] [H1N1 weekly synthesis of surveillance information, literature & government updates for week ending Aug 14, 2009](#)

[ARCHIVED] [Swine influenza outbreak page](#)

## Public Health Agency of Canada (PHAC)

*PHAC issues national updates on H1N1-associated deaths on Tuesdays and Thursdays at 4 pm, and will report regularly on any unusual outbreaks or clusters of illness.*



[AUG 28] [FluWatch findings for Week 32 \(week ending Aug 15\)](#)

- The overall influenza activity slightly decreased this week; relatively low but higher than expected at this time of the year.
- As of August 22, 2009, a total of 1,441 hospitalized cases and 278 cases admitted to an intensive care unit (ICU) had been reported to the Public Health Agency of Canada. This week, one new death was reported for a total of 71 deaths since the beginning of the pandemic. Again this week, approximately 90% of the hospitalized cases and more than 85% of the deaths have been reported by only 4 provinces (Alberta, Manitoba, Ontario and Quebec).
- The overall Pandemic (H1N1) 2009 influenza activity is still decreasing across Canada. The peak period for symptom onset date or specimen

collection date occurred between weeks 22 to 24 (May 31, 2009 and June 20, 2009).

- The proportion of females affected, the median age and the proportion of cases with underlying medical conditions increased with severity of illness (on a gradient from all cases, to hospitalized cases, to ICU-admitted cases, to deaths).
- Those under 15 had the highest rates of hospitalization, however mortality was highest in those 45 years and older. Mortality was also elevated in the population under one year of age.



[AUG 27] [Deaths associated with H1N1 flu virus in Canada](#)  
1 death in Canada (Ontario) reported since the Tuesday's update, for a cumulative total of 72 deaths as of Thursday Aug 27.



[AUG 27] News release on *Citizen Readiness Campaign*: [Government of Canada Launches Public Information Campaign to Help Canadians Avoid Flu](#)



[AUG 27] News release: [Government of Canada Provides further Update on Prevention Measures Being Taken Regarding H1N1 Flu Virus \(Human swine flu\)](#)



[AUG 27] News release: [Government of Canada to provide laboratory testing support to Government of Mexico](#)



[AUG 27] News release: [Government of Canada Provides Update on Prevention Measures Being Taken Regarding Swine Flu](#)



[AUG 27] News release: [Government of Canada is Working Closely with Provinces and Territories and International Partners to Address Swine Flu](#)

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

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

## Centers for Disease Control and Prevention (CDC) and US Department of Health and Human Services

*CDC reports the total number of H1N1 hospitalizations and deaths each Friday.*



[AUG 28] [Topic Areas For CDC H1N1 Public Health Emergency Response Projects](#)

Describes areas under active investigation by CDC and public health partners. Data generated by these projects will be used to guide the ongoing response to the H1N1 outbreak.



[AUG 28] [2009 H1N1 Flu situation update](#)  
As of 11:00 AM ET on August 28, 2009, CDC is reporting 8,842 hospitalized cases and 555 deaths in 51 states and territories (including the District of Columbia, American Samoa, Guam, Puerto Rico and the U.S. Virgin Islands).



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

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

## Other US Sources

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

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

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

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

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

## Center for Infectious Disease Research and Policy



[AUG 27] [Judge rejects bid to ban use of some H1N1 vaccines in pregnant women](#)  
A federal judge yesterday rejected an advocacy group's request to bar the government from using thimerosal-containing H1N1 flu vaccines in pregnant women, the Washington Post said. The group argued that thimerosal could harm fetuses. But a judge in Washington said the group couldn't prove that pregnant women would get shots containing thimerosal. Most flu vaccines contain it, but the CDC has said it plans to supply enough thimerosal-free H1N1 vaccine for pregnant women and young children.



[AUG 27] [Brazil reports world's highest H1N1 flu death toll at 557](#)



[AUG 27] [Federal workers may be allowed to use sick leave to care for ailing relatives](#)

Under a new proposal, federal employees could use up to 13 days of sick leave to care for a relative before getting a doctor's determination that the relative had an infectious disease. With the doctor's determination, the employee could use up to 12 weeks of sick leave a year.



[AUG 27] [Liability, insurance coverage threaten Australia's vaccine program](#)

Australia's pandemic H1N1 vaccine campaign is in peril because the government has refused to indemnify physicians who administer the vaccine and insurance companies seem unwilling to pay doctors to deliver the vaccines. Insurance companies have also raised concerns about multidose vial safety and a lack of vaccine safety data.



[AUG 27] [South Korea rolls out strict school flu measures](#)

South Korea's education ministry yesterday announced strict measures to curb the spread of the pandemic H1N1 virus, including checking all students' temperatures each day, sterilizing classrooms daily, and refraining from group activities. So far 46 schools have closed or delayed the start of fall classes.

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

## Health Protection Agency (UK)



[AUG 28] [Back to school advice: September 2009](#)

[AUG 27] [Weekly epidemiology update](#) – week 35

[AUG 27] [HPA Weekly National Influenza Report](#) - week 35

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

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

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

- [AUG 20] [Pandemic flu: planning and responding to primary care capacity challenges](#)
- [AUG 20] [Advice concerning organ donation and H1N1](#)
- [AUG 20] [Swine Flu: Authorisation of the supply of antivirals](#)
- [ARCHIVE] [DH Pandemic Flu site](#)

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



- [AUG 28] UPDATED: [ECDC Interim Risk Assessment: Pandemic \(H1N1\) 2009 influenza](#)



- [AUG 28] [ECDC Situation Report for Aug 28](#)
- 974 new cases reported in the EU and EFTA countries, reaching a total of 45,625 cases
  - 1,223 new cases reported from non EU and EFTA countries reaching a total of 222,984 cases
  - 9 new fatal cases reported from EU and EFTA countries and 13 from non EU and EFTA countries
- [AUG 27] [Public health use of influenza antivirals during influenza pandemics - Interim guidance](#)
- [AUG 25] [Influenza A \(H1N1\): EU Health Security Committee agrees statement on target and priority groups for vaccination](#)
- [AUG 21] [Understanding the reproduction number and generation times of Influenza A\(H1N1\) 2009](#)
- [ARCHIVED] [Maps, surveillance summaries and previous ECDC updates](#)

## European Union

- [AUG 26] [EU puts chronically ill, pregnant women, health workers first for vaccine](#)
- The European Union's (EU's) health authorities yesterday recommended that people ages 6 months and older who have chronic health conditions, pregnant women, and healthcare workers be first in line for novel H1N1 flu vaccine. The EU statement said it will be up to member states to develop their own vaccination strategies. Unlike the US priority group list, the EU list does not include the general population of children aged 6 months through 4 years.



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

[ARCHIVE] [European Union Influenza H1N1 page](#)

## World Health Organization (WHO)

*WHO no longer issues the global tables showing the numbers of confirmed cases for all countries. Regular updates describing the situation in the newly affected countries are provided.*



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



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

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

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

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

[ARCHIVED] [Older WHO Updates](#)

## Pan-American Health Organization (PAHO)

[AUG 25] [Regional Update for Aug 21: Pandemic \(H1N1\) 2009](#)  
As of August 21, 2009, a total of 110,113 confirmed cases have been notified in all 35 countries in the Americas Region. A total of 1,876 deaths have been reported among the confirmed cases in 22 countries of the Region.  
On July 21, 2009, Canada reported the first case of oseltamivir-resistant pandemic (H1N1) 2009 virus in the Americas Region. Since then, the United States reported on August 14, 2009 the detection of oseltamivir-resistant pandemic (H1N1) 2009 virus in two immunosuppressed patients in the State of Washington.

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

## Australia and New Zealand



[AUG 28] [Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 144](#)

- The number of deaths from Pandemic Influenza (H1N1) 09 swine flu is 16.
- There are a total of 3127 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, up from 3114 on 26 August.



- [AUG 28] [Health Emergency Australia Pandemic \(H1N1\) Update Bulletin for August 28](#)
- The total number of Australian deaths associated with pandemic (H1N1) 2009 is currently 150
  - There are currently 417 people in hospital around Australia with pandemic (H1N1) 2009 and 83 of these are in Intensive Care Units.
  - The total number of hospitalisations in Australia since pandemic (H1N1) 2009 was identified is 4398.

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

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

## Research Articles (1 week backfile)

*What's new today, plus a one week backfile. Articles with an asterisk (\*) indicate that a subscription is required to view the full text.*

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



[AUG 28] [2009 pandemic influenza A \(H1N1\) virus infections--Chicago, Illinois, April-July 2009](#)  
Centers for Disease Control and Prevention (CDC). 2009 pandemic influenza A (H1N1) virus infections--Chicago, Illinois, April-July 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug 28;58(33):913-8.



[AUG 28] [Surveillance for the 2009 pandemic influenza A \(H1N1\) virus and seasonal influenza viruses--New Zealand, 2009](#)  
Centers for Disease Control and Prevention (CDC). Surveillance for the 2009 pandemic influenza A (H1N1) virus and seasonal influenza viruses--New Zealand, 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug 28;58(33):918-21.



[AUG 28] Perspective: [What is a pandemic?\\*](#)  
Morens DM, Folkers GK, Fauci AS. What is a pandemic? Journal of Infectious Diseases. Epub 27 Aug 2009.



[AUG 28] [Evaluation of the safety, reactogenicity and immunogenicity of FluBlok® trivalent recombinant baculovirus-expressed hemagglutinin influenza vaccine administered intramuscularly to healthy children aged 6–59 months\\*](#)  
King JC Jr, Cox MM, Reisinger K, Hedrick J, Grahame I, Patriarca P. Evaluation of the safety, reactogenicity and immunogenicity of FluBlok® trivalent recombinant baculovirus-expressed hemagglutinin influenza vaccine administered intramuscularly to healthy children aged 6–59 months. Vaccine. Epub 27 Aug 2009.



[AUG 28] [Letter: Influenza: H1N1 Goes to School\\*](#)  
Paterson B, Durrheim DN, Tuyl F. Influenza: H1N1 Goes to School. Science. 28 August 2009;325(5944):1071-72.



[AUG 28] [Letter: Influenza: Accounting for Prior Immunity\\*](#)  
McCaw JM, McVernon J, McBryde ES, Mathews JD. Influenza: Accounting for Prior Immunity. Science. 28 August 2009;325(5944):1071.



[AUG 28] [Letter: Influenza: Making Privileged Data Public\\*](#)  
Christopher E. Ormsby and Gustavo Reyes-Terán. Influenza: Making Privileged Data Public. Science. 28 August 2009;325(5944):1072.



[AUG 28] [Letter: Response—Influenza\\*](#)  
Fraser C, Donnelly CA, Cauchemez S et al. Response—Influenza. Science. 28 August 2009;325(5944):1071-72.



[AUG 28] [Officials look toward fall for clinical data on pandemic vaccines\\*](#)  
Traynor K. Officials look toward fall for clinical data on pandemic vaccines. Am J Health Syst Pharm. 2009 Sep 1;66(17):1513-5.



[AUG 28] [The role of community molecular diagnostics laboratories in the H1N1 pandemic\\*](#)  
Nowak JA, Kaul KL. The role of community molecular diagnostics laboratories in the H1N1 pandemic. J Mol Diagn. 2009 Sep;11(5):369-70.



[AUG 28] [Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors\\*](#)  
Hollmeyer HG, Hayden F, Poland G, Buchholz U. Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors. Vaccine. 2009 Jun 19;27(30):3935-44. Epub 2009 Apr 8. Review.



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

[AUG 27] [Should healthcare workers have the swine flu vaccine?](#)  
Jordan R, Hayward A. Should healthcare workers have the swine flu vaccine? BMJ. 2009 Aug 25;339:b3398. doi: 10.1136/bmj.b3398.

[AUG 27] [Stockpiling antiviral drugs for the next influenza pandemic.\\*](#)  
Patel A, Gorman SE. Stockpiling antiviral drugs for the next influenza pandemic. Clin Pharmacol Ther. 2009 Sep;86(3):241-3.

[AUG 27] [Assessing public health department employees' willingness to report to work during an influenza pandemic.\\*](#)  
Basta NE, Edwards SE, Schulte J. Assessing public health department employees' willingness to report to work during an influenza pandemic. J Public Health Manag Pract. 2009 Sep-Oct;15(5):375-83.

- [AUG 27] [Monitoring the emergence of community transmission of influenza A/H1N1 2009 in England: a cross sectional opportunistic survey of self sampled telephone callers to NHS Direct.](#)  
Elliot AJ, Powers C, Thornton A, Obi C, Hill C, Simms I et al. Monitoring the emergence of community transmission of influenza A/H1N1 2009 in England: a cross sectional opportunistic survey of self sampled telephone callers to NHS Direct BMJ 2009;339:b3403, doi: 10.1136/bmj.b3403 (Published 27 August 2009)
- [AUG 27] [School closure may be effective in reducing transmission of respiratory viruses in the community.\\*](#)  
A. D. Heymann, I. Hoch, L. Valinsky, E. Kokia And D. M. Steinberg. School closure may be effective in reducing transmission of respiratory viruses in the community. Epidemiol Infection. 2009. 137(10):1369-1376.
- [AUG 27] [A randomized controlled trial of vitamin D3 supplementation for the prevention of symptomatic upper respiratory tract infections.\\*](#)  
M. Li-Ng, J. F. Aloia C, S. Pollack, B. A. Cunha, M. Mikhail, J. Yeha, N. Berbaria. A randomized controlled trial of vitamin D3 supplementation for the prevention of symptomatic upper respiratory tract infections. Epidemiol Infection. 2009. 137(10): 1396-1404.
- [AUG 27] [Effect of environmental factors on the spatio-temporal patterns of influenza spread.\\*](#)  
K. M. L. Charland, D. L. Buckeridge, J. L. Sturtevant, F. Melton, B. Y. Reis, K. D. Mandl And J. S. Brownstein. Effect of environmental factors on the spatio-temporal patterns of influenza spread Epidemiol Infection. 2009. 137(10): 1377-1387.
- [AUG 27] [Understandings of influenza and influenza vaccination among high-risk urban dwelling Thai adults: a qualitative study.](#)  
Payaprom Y, Bennett P, Burnard P, Alabaster E, Tantipong H. Understandings of influenza and influenza vaccination among high-risk urban dwelling Thai adults: a qualitative study. J Public Health (Oxf). 2009 Aug 25. [Epub ahead of print]
- [AUG 27] [H1N1 Influenza, public health preparedness, and health care reform.](#)  
Lurie N. H1N1 Influenza, Public Health Preparedness, and Health Care Reform. NEJM. 2009; 361(9): 843-5.
- [AUG 27] [Influenza A\(H1N1\)v in Germany: the first 10,000 cases.](#)  
Gilsdorf A, Poggensee G, on behalf of the working group pandemic influenza A(H1N1)v. Influenza A(H1N1)v in Germany: the first 10,000 cases. Euro Surveill. 2009;14(34):pii=19318.
- [AUG 27] [Pandemic influenza A\(H1N1\)v in New Zealand: the experience from April to August 2009.](#)  
Baker MG, Wilson N, Huang QS, Paine S, Lopez L, Bandaranayake D, Tobias M, Mason K, Mackereth GF, Jacobs M, Thornley C, Roberts S, McArthur C. Pandemic influenza A(H1N1)v in New Zealand: the experience from April to August 2009. Euro Surveill. 2009;14(34):pii=19319.
- [AUG 27] [A/H1N1 pandemic: misdiagnosis in the time of meningitis.\\*](#)  
Bourke TW, Shields MD. A/H1N1 pandemic: misdiagnosis in the time of meningitis. BMJ. 2009 Aug 25;339:b3423. doi: 10.1136/bmj.b3423.

- [AUG 27] [Encephalitis lethargica and the influenza virus. II. The influenza pandemic of 1918/19 and encephalitis lethargica: epidemiology and symptoms.](#)\*  
Foley PB. Encephalitis lethargica and the influenza virus. II. The influenza pandemic of 1918/19 and encephalitis lethargica: epidemiology and symptoms. J Neural Transm. 2009 Aug 26. [Epub ahead of print].
- [AUG 27] [Encephalitis lethargica and the influenza virus. III. The influenza pandemic of 1918/19 and encephalitis lethargica: neuropathology and discussion.](#)\*  
Foley PB. Encephalitis lethargica and the influenza virus. III. The influenza pandemic of 1918/19 and encephalitis lethargica: neuropathology and discussion. J Neural Transm. 2009 Aug 26. [Epub ahead of print].
- [AUG 27] [Surveillance for the 2009 Pandemic Influenza A \(H1N1\) Virus and Seasonal Influenza Viruses --- New Zealand, 2009](#)  
Centers for Disease Control and Prevention (CDC). Surveillance for the 2009 Pandemic Influenza A (H1N1) Virus and Seasonal Influenza Viruses --- New Zealand, 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug ;58(33): 918-921.
- [AUG 27] [2009 Pandemic Influenza A \(H1N1\) Virus Infections --- Chicago, Illinois, April--July 2009.](#)  
Centers for Disease Control and Prevention (CDC). 009 Pandemic Influenza A (H1N1) Virus Infections --- Chicago, Illinois, April--July 2009. MMWR Morb Mortal Wkly Rep. 2009 Aug ;58(33): 913-18.
- [AUG 26] [Changing seasons herald a new phase in the H1N1 pandemic\\*](#)  
Lancet Infectious Diseases 2009 9(9) :529.
- [AUG 26] [Prescription of anti-influenza drugs for healthy adults: a systematic review and meta-analysis](#) \*  
Burch J, Corbett M, Stock C, Nicholson K, Elliot AJ, Duffy S, et al. The Lancet Infectious Diseases. Sept 2009 9(9) : 537 – 545.
- [AUG 26] [What's New with the Flu?](#)  
Weintrub PS. Journal Watch Pediatrics and Adolescent Medicine August 21, 2009
- [AUG 26] [Opposition to swine flu vaccine seems to be growing worldwide](#)  
Kmietowicz Z. BMJ 2009;339:b3461
- [AUG 26] [Willingness of Hong Kong healthcare workers to accept pre-pandemic influenza vaccination at different WHO alert levels: two questionnaire surveys](#)  
Chor JS, Ngai KLK, Goggins WB, Wong MCS, Wong SYS, Lee N, et al. BMJ 2009;339:b3391
- [AUG 25] New Research collection : [PLoS Currents: Influenza](#) [the following list of updates are the most recent in the collection]

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

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

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

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

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

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

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



- [AUG 20] [Optimizing Influenza Vaccine Distribution\\*](#)  
Medlock J, Galvani AP. Optimizing influenza vaccine distribution. Science DOI: 10.1126/science.1175570. Published Online August 20, 2009
- [AUG 21] [Use of Influenza A \(H1N1\) 2009 monovalent vaccine](#)  
Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009. Use of Influenza A (H1N1) 2009 Monovalent Vaccine. MMWR. 2009; 58; Early Release.
- [AUG 21] [Modelling the impact of an influenza A/H1N1 pandemic on critical care demand from early pathogenicity data: the case for sentinel reporting](#)  
Ercole A, Taylor BL, Rhodes A, Menon DK. Modelling the impact of an influenza A/H1N1 pandemic on critical care demand from early pathogenicity data: the case for sentinel reporting\*. Anaesthesia. 2009 Sep;64(9):937-41.
- [AUG 21] [Swine flu vaccination in patients with egg allergy](#)  
Nasser S, Brathwaite N; BSACI Standards of Care Committee. Swine flu vaccination in patients with egg allergy. Clin Exp Allergy. 2009 Sep;39(9):1288-90.
- [AUG 21] [Influenza A \(H1N1\) infections among healthcare workers: a cause for cautious optimism.\\*](#)  
Sng J, Koh D, Koh G. Influenza A (H1N1) infections among healthcare workers: a cause for cautious optimism.\* Occup Environ Med. 2009 Sep;66(9):569-70.
- [AUG 21] [The 2009 influenza pandemic begins.](#)  
Wood JM. The 2009 influenza pandemic begins. Influenza and Other Respiratory Viruses. 2009; 3(5): 197-198.
- [AUG 21] [With reference to Mexican flu](#)  
de Lamballerie X, Gould EA. With reference to Mexican flu. Influenza and Other Respiratory Viruses. 2009; 3(5): 203-203.
- [AUG 21] [A review of medical masks and respirators for use during an influenza pandemic.](#)  
Seale H, Dwyer DE, Cowling BJ, Wang Q, Yang P, MacIntyre CR. A review of medical masks and respirators for use during an influenza pandemic. Influenza and Other Respiratory Viruses. 2009; 3(5): 205-206.
- [AUG 21] [Diversity of influenza viruses in swine and the emergence of a novel human pandemic influenza A \(H1N1\)](#)  
Brockwell-Staats C, Webster RG, Webby RJ. Diversity of influenza viruses in swine and the emergence of a novel human pandemic influenza A (H1N1). Influenza and Other Respiratory Viruses. 2009; 3(5): 207-213.
- [AUG 21] [Initial human transmission dynamics of the pandemic \(H1N1\) 2009 virus in North America](#)  
Pourbohloul B, Ahued A, Davoudi B, Meza R, Meyers LA, Skowronski DM et al. Initial human transmission dynamics of the pandemic (H1N1) 2009 virus in North America. Influenza and Other Respiratory Viruses. 2009; 3(5): 215-222.
- [AUG 21] [Estimates of the impact of a future influenza pandemic in China.](#)



Yu H, Feng L, Peng Z, Feng Z, Shay DK, Yang W. Estimates of the impact of a future influenza pandemic in China. *Influenza and Other Respiratory Viruses*. 2009; 3(5): 223-231.

- [AUG 21] [Invited commentary on David Fedson's article.](#)  
Clark I, Alleva L. Invited commentary on David Fedson's article. *Influenza and Other Respiratory Viruses*. 2009; 3(5): 199-201.
- [AUG 20] [Pandemic flu: will there be a second wave?](#)  
Godlee F. *BMJ* 2009;339:b3394
- [AUG 20] Eurosurveillance 20 Aug 2009; 14(33)  
[Epidemiology of fatal cases associated with pandemic H1N1 influenza 2009](#)  
L Vaillant, G La Ruche, A Tarantola, P Barboza, for the epidemic intelligence team at InVS  
This article describes the characteristics of 574 deaths associated with pandemic H1N1 influenza up to 16 July 2009. Data (except from Canada and Australia) suggest that the elderly may to some extent may be protected from infection
- [The importance of school and social activities in the transmission of influenza A\(H1N1\)v: England, April – June 2009](#)  
by I Kar-Purkayastha, C Ingram, H Maguire, A Roche  
During the containment phase in the United Kingdom (April to June 2009), a cluster of influenza A(H1N1)v cases was identified prompting further investigation and public health action by the Health Protection Agency
- [Epidemiological and clinical characteristics of influenza A\(H1N1\)v infection in children: The first 45 cases in Cyprus, June – August 2009](#)  
by M Koliou, ES Soteriades, MM Toumasi, A Demosthenous, A Hadjidemetriou  
Following the first imported case in a tourist in Cyprus on 2 June 2009, the influenza A(H1N1)v virus has spread on the island affecting mainly young adults and children.
- [AUG 20] [Clinical and epidemiologic characteristics of 3 early cases of influenza A pandemic \(H1N1\) 2009 virus, People's Republic of China.](#)  
Bin C, Xingwang L, Yuelong S, Nan J, Shijun C, Xiayuan X, et al; National Influenza A Pandemic (H1N1) 2009 Clinical Investigation Group. *Emerg Infect Dis*. 2009 Sep; [Epub ahead of print]
- [AUG 20] [Nurses' contacts and potential for infectious disease transmission.](#)  
Bernard H, Fischer R, Mikolajczyk RT, Kretzschmar M, Wildner M. *Emerg Infect Dis*. 2009 Sep; [Epub ahead of print]
- [AUG 20] [Genomic diversity of oseltamivir-resistant influenza virus A \(H1N1\), Luxembourg, 2007–08 \[letter\].](#)  
Gerloff NA, Kremer JR, Mossong J, Opp M, Muller CP. *Emerg Infect Dis*. 2009 Sep; [Epub ahead of print]
- [AUG 20] [Emergence of European Avian Influenza Virus-Like H1N1 Swine Influenza A Viruses in China](#)  
Jinhua Liu, Yuhai Bi, Kun Qin, Guanghua Fu, Jun Yang, Jinshan Peng, Guangpeng Ma, Qinfang Liu, Juan Pu, and Fulin Tian. *Journal of Clinical Microbiology*, August 2009, p. 2643-2646, Vol. 47, No. 8.

## Business Resources

### Harvard Health Publications

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

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

### Canadian Business

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

## Consumer Health Information Resources

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

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

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

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

## Clinical and Public Health Practice Tools

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

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

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

## Historical Resources

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

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

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

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

- [JUN 29] [The Persistent Legacy of the 1918 Influenza Virus. New England Journal of Medicine.](#)  
Morens DM, Taubenberger JK, Fauci AS. The persistent legacy of the 1918 influenza virus. N Engl J Med. 2009 Jul 16;361(3):225-9. Epub 2009 Jun 29.
- [JUN 29] [Historical Perspective — Emergence of Influenza A \(H1N1\) Viruses. New England Journal of Medicine](#)  
Zimmer SM, Burke DS. Historical perspective--Emergence of influenza A (H1N1) viruses. N Engl J Med. 2009 Jul 16;361(3):279-85. Epub 2009 Jun 29.
- [ARCHIVED] [Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic](#)  
Markel H, Lipman HB, Navarro JA, et al. Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic. JAMA. 2007;298(6):644-654.
- [ARCHIVED] [The Swine Flu Affair: Decision-Making on a Slippery Disease](#)  
Neustadt RE, Fineberg HV. The Swine Flu Affair: Decision-Making on a Slippery Disease. Washington: US Department of Health, Education, and Welfare; 1978. Online book.

## Travel Advisories



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



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

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