

H1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of August 31, 2009 at 4pm

Highlights

- [Critical care doctors want escalated pandemic planning](#)
- [Federal policies fuel spread of swine flu, experts say](#)
- New Zealand: [Updated instructions - Tamiflu paediatric formulation](#)
- [Lack of airborne transmission during outbreak of pandemic \(H1N1\) 2009 among tour group members, China, June 2009.](#)

Other news

- [New flu hit estimated 10 percent of New Yorkers](#)
- [Docs Question Severe Swine Flu Warning](#)
- [Age and antivirals](#)
- [20% of Japanese population expected to be infected with new flu](#)
- [2009 Flu bad but not 1918 bad](#)
- [Diabetes drugs can stop flu defence 'storm' that kills victim](#)
- [WHO Failure to See Spread of Tamiflu Resistant Pandemic H1N1](#)
- [Clusters of Tamiflu Resistance in the United States](#)
- [No Fever Flu Cases Confuse the Situation](#)
- [Misinformation Linked to Explosion of Swine Flu in US Schools](#)

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

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

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



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



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

Archived

[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.

[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 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 31] Government of Canada Actions

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

[AUG 28] [FluWatch findings for Week 33 \(week ending Aug 22\)](#)

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

- The overall Pandemic (H1N1) 2009 influenza activity is still decreasing across Canada. The peak period for symptom onset date or specimen collection date occurred between weeks 22 to 24 (May 31, 2009 and June 20, 2009).
- The proportion of females affected, the median age and the proportion of cases with underlying medical conditions increased with severity of illness (on a gradient from all cases, to hospitalized cases, to ICU-admitted cases, to deaths).
- Those under 15 had the highest rates of hospitalization, however mortality was highest in those 45 years and older. Mortality was also elevated in the population under one year of age.

- [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 28] [WHO cites severe H1N1 cases as southern outbreaks wane](#)
Novel H1N1 influenza outbreaks are starting to wane in the southern hemisphere, and while most cases are still mild, clinicians are reporting some severe cases of viral pneumonia in young, previously healthy people, the World Health Organization (WHO) said

[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 31] [ECDC Situation Report for Aug 31](#)

- All 27 EU and 4 EFTA countries are reporting cases of pandemic (H1N1) 2009 influenza. A total of 46 016 confirmed cases, including 104 deaths, have been reported since April 2009.
- In the past 24 hours, 343 new cases from the EU and EFTA countries were confirmed.
- Currently, the majority of cases have been reported from Germany.

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

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

[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 21] [Weekly epidemiological record 34 \(ending Aug 21\)](#)

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

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

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

Australia and New Zealand



[AUG 31] [Pandemic Influenza \(H1N1\) 09 Swine Flu – NZ Update 145](#)

- The number of deaths from Pandemic Influenza (H1N1) 09 swine flu is 17.
- There are a total of 3130 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, up from 3127 on 28 August.



[AUG 28] [Updated instructions - Tamiflu paediatric formulation](#)



[AUG 30] [Health Emergency Australia Pandemic \(H1N1\) Update Bulletin for August 31](#)

- The total number of Australian deaths associated with pandemic (H1N1) 2009 is currently 150
- There are currently 407 people in hospital around Australia with pandemic (H1N1) 2009 and 77 of these are in Intensive Care Units.
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 was identified is 4398.
- Total number of cases is 34,593












[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)

-  [SEP 1] [Critical care doctors want escalated pandemic planning](#)
Eggertson L. Critical care doctors want escalated pandemic planning. CMAJ. September 1, 2009; 181 (5). doi:10.1503/cmaj.109-3005.
-  [SEP 1] [Federal policies fuel spread of swine flu, experts say](#)
Webster P. Federal policies fuel spread of swine flu, experts say. CMAJ. September 1, 2009; 181 (5). doi:10.1503/cmaj.091355.
-  [AUG 31] [Lack of airborne transmission during outbreak of pandemic \(H1N1\) 2009 among tour group members, China, June 2009.](#)
Han K, Zhu X, He F, Liu L, Zhang L, Ma H, et al. Lack of airborne transmission during outbreak of pandemic (H1N1) 2009 among tour group members, China, June 2009. Emerg Infect Dis. 2009 Oct; [Epub ahead of print]
-  [AUG 31] A swine of a pandemic.* [no abstract]
Griffiths PD. A swine of a pandemic. Rev Med Virol. 2009 Aug 27;19(5):253-256. [Epub ahead of print]
-  [AUG 31] [China boosts pandemic surveillance.](#)*
Qiu J. China boosts pandemic surveillance. Nature. 2009 Aug 27;460(7259):1066.
-  [AUG 31] Diabetes mellitus as an important identified personal illness in death cases due to swine flu: An observation.*
Wiwanitkit V. Diabetes mellitus as an important identified personal illness in death cases due to swine flu: An observation. Prim Care Diabetes. 2009 Aug 25. [Epub ahead of print]
-  [AUG 31] [Prepare now for pandemic readiness security and patient surge.](#)*
Petitt WR. Prepare now for pandemic readiness security and patient surge. J Healthc Prot Manage. 2009;25(2):33-8.
-  [AUG 31] [A survey of pandemic influenza preparedness and response capabilities in Chicago area hospital security departments.](#)*
Kimmerly DP. A survey of pandemic influenza preparedness and response capabilities in Chicago area hospital security departments. J Healthc Prot Manage. 2009;25(2):16-32.
-  [AUG 31] Preparing and sustaining a comprehensive pandemic plan for an academic community.
Atchison CG, Hosmanek EA, Walkner L. Preparing and sustaining a comprehensive pandemic plan for an academic community. Public Health Rep. 2008 Nov-Dec;123(6):807-11.
-  [AUG 31] [Molecular modeling of swine influenza A/H1N1, Spanish H1N1, and avian H5N1 flu N1 neuraminidases bound to Tamiflu and Relenza](#)
Ly Le, Klaus Schulten, Eric Lee, and Thanh Truong. PLoS Currents: Influenza
-  [AUG 31] [Tracking the evolution and geographic spread of Influenza A.](#)
Donovan H. Parks, Norman J. MacDonald and Robert G. Beiko. PLoS Currents: Influenza



[AUG 31] [Mortality and morbidity burden associated with A/H1N1pdm influenza virus.](#)

Mark Miller, Cecile Viboud, Lone Simonsen, Donald R. Olson, Colin Russell. PLoS Currents: Influenza



[AUG 31] [Next Generation Syndromic SurveillanceMolecular Epidemiology, Electronic Health Records and the Pandemic Influenza A \(H1N1\) Virus.](#)

Raul Rabadan, Nelil Calman, George Hripscak. PLoS Currents: Influenza



[AUG 29] [Severe pandemic \(H1N1\) 2009 influenza with false negative direct fluorescent antibody assay: Case series](#)

Kapelusznik L , Patel R, Jao J, Patel G, Daefler S, LaBombardi V, Calfee D. Severe pandemic (H1N1) 2009 influenza with false negative direct fluorescent antibody assay: Case series. Journal of Virology. 2009; doi:10.1016/j.jcv.2009.07.023 [published online August 29 2009]



[AUG 29] [Pediatric Update: Boston Medical Center Pediatric Emergency Response to H1N1 *](#)

Curtis Cooper M , Walz K, Brown MG, McDonald K, Dwyer D, Dowd P, Byrne K, Griffin M. Pediatric Update: Boston Medical Center Pediatric Emergency Response to H1N1. Journal of Emergency Nursing. 2009; doi:10.1016/j.jen.2009.07.01. [published online Aug 29 2009]

[AUG 28] Perspective: [What is a pandemic?*](#)

Morens DM, Folkers GK, Fauci AS. What is a pandemic? Journal of Infectious Diseases. Epub 27 Aug 2009.

[AUG 28] [Evaluation of the safety, reactogenicity and immunogenicity of FluBlok® trivalent recombinant baculovirus-expressed hemagglutinin influenza vaccine administered intramuscularly to healthy children aged 6–59 months*](#)

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

[AUG 28] [Letter: Influenza: H1N1 Goes to School*](#)

Paterson B, Durrheim DN, Tuyl F. Influenza: H1N1 Goes to School. Science. 28 August 2009;325(5944):1071-72.

[AUG 28] [Letter: Influenza: Accounting for Prior Immunity*](#)

McCaw JM, McVernon J, McBryde ES, Mathews JD. Influenza: Accounting for Prior Immunity. Science. 28 August 2009;325(5944):1071.

[AUG 28] [Letter: Influenza: Making Privileged Data Public*](#)

Christopher E. Ormsby and Gustavo Reyes-Terán. Influenza: Making Privileged Data Public. Science. 28 August 2009;325(5944):1072.

[AUG 28] [Letter: Response—Influenza*](#)

Fraser C, Donnelly CA, Cauchemez S et al. Response—Influenza. Science. 28 August 2009;325(5944):1071-72.

- [AUG 28] [Officials look toward fall for clinical data on pandemic vaccines*](#)
Traynor K. Officials look toward fall for clinical data on pandemic vaccines. Am J Health Syst Pharm. 2009 Sep 1;66(17):1513-5.
- [AUG 28] [The role of community molecular diagnostics laboratories in the H1N1 pandemic*](#)
Nowak JA, Kaul KL. The role of community molecular diagnostics laboratories in the H1N1 pandemic. J Mol Diagn. 2009 Sep;11(5):369-70.
- [AUG 28] [Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors*](#)
Hollmeyer HG, Hayden F, Poland G, Buchholz U. Influenza vaccination of health care workers in hospitals--a review of studies on attitudes and predictors. Vaccine. 2009 Jun 19;27(30):3935-44. Epub 2009 Apr 8. Review.
- [AUG 28] Letter to the Editor: [Emerging swine flu and increased report of AEFI to classical influenza vaccination](#)
Wiwanitkit V. Emerging swine flu and increased report of AEFI to classical influenza vaccination. Vaccine. Epub 28 Aug 2009.
- [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.](#)

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[Conditions Under Which Predispensing of Antiviral Drugs to Individuals at High Risk of Death from Pandemic Influenza Is Expected to Save Lives.](#)

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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

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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

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[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](#)