

H1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of August 14, 2009 at 4 pm

Highlights

- [Public Health Agency of Canada examines vitamin D for swine flu protection](#)
- European Union issues school and travel pandemic recommendations:
 - [Health Security Committee/Early Warning and Response System Statement on Influenza A\(H1N1\) Symptomatic Individuals Travelling](#)
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- [Osteoporosis drugs may be effective in killing flu viruses](#)
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Events

Current / Upcoming

- [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.

Archived

- [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.
- [JULY 29] [Special Advisory Committee on Immunization Practices \(ACIP\) meeting on Novel Influenza A \(H1N1\)](#)
The goals of this meeting are to:
- Review current epidemiology and virology of pandemic, vaccine supply/demand estimates, implementation plans
 - Provide evidence-based recommendations on target groups for pandemic vaccination efforts

Ministry of Health and Long-Term Care (MOHLTC)

- [AUG 11] [Ontario Influenza Bulletin: Surveillance Week 30 \(Jul 26 - Aug 1\)](#)
The Influenza Bulletin provides information based on the surveillance period July 26 to August 1, 2009. Data on hospitalizations and deaths is submitted daily and therefore is accurate as of August 1st.
- For the surveillance period of Jul 26 - Aug 1:
- Rate of ILI in patients seen by sentinel physicians is above what is expected for this time of year, particularly for those under 19
 - Majority of health units report sporadic activity, 1 reports localized activity
 - 3,983 confirmed cases of H1N1 flu reported through iPHIS as of Aug 1
- As of Aug 5:
- 21 deaths reported among confirmed H1N1 cases.
 - 48 people with H1N1 flu currently in hospital
 - Fewer hospitalized cases were reported this week, which continues a downward trend in hospitalizations.

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

Important Health Notices

Last H1N1 update on June 11

Ontario Agency for Health Protection and Promotion (OAHPP)

[AUG 12] [H1N1 Weekly Synthesis of Surveillance Information, Literature & Government Updates for week ending Aug 7](#)

[ARCHIVED] [Swine Influenza Outbreak Page](#) (no new resources since Aug 7)

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 14] [Canada examines vitamin D for swine flu protection](#)
Researchers in PHAC are working with colleagues at McMaster University and with partners at other universities and hospitals to determine whether there is a correlation between severe disease and low vitamin D levels and/or a person's genetic make up. This line of research in seasonal influenza will be adapted to H1N1.



[AUG 14] [FluWatch Findings for the Week 31 \(week ending Aug 8\)](#)

[AUG 13] [Deaths associated with H1N1 virus in Canada](#)
No new deaths reported from Aug 11 to Aug 13 (cumulative total: 66 deaths)

[AUG 12] [Interim Guidance: Prevention and management of cases of influenza-like illness \(ILI\) that may be due to pandemic \(H1N1\) 2009 influenza virus on cruise ships](#)

[AUG 10] [Prevention and Management of Cases of Influenza-Like-Illness \(ILI\) Suspected to be due to the Pandemic \(H1N1\) 2009 Influenza Virus in Summer Camps](#)
Updated August 10

[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 14] [US Situation Update for Week Ending Aug 14](#)
Cumulative H1N1 totals: 7511 hospitalized cases, 477 deaths.



[AUG 14] [International Situation Update](#)

- H1N1 is the predominate influenza virus in circulation worldwide.
- Epidemiology of the disease caused by nH1N1 in the Southern Hemisphere very similar to that described in the US this past spring.
- Isolates sequenced at WHO and CDC suggest that circulating novel 2009-H1N1 influenza viruses look similar to A/California/07/2009 (the reference virus selected by WHO as a potential candidate for the new H1N1 vaccine).

- [AUG 12] [Novel H1N1 Vaccination Guidance for State, Local, Tribal and Territorial Health Officials](#)
- [AUG 10] [Interim Guidance for the Detection of Novel Influenza A Virus Using Rapid Influenza Diagnostic Tests](#)
- [AUG 10] [CDC Novel H1N1 Vaccination Planning Q&A](#)
- [AUG 10] [General Business and Workplace Guidance for the Prevention of Novel Influenza A \(H1N1\) Flu in Workers](#)
- [AUG 10] [Novel H1N1 Flu: CDC response](#)
- [AUG 10] [North American Leaders' Declaration on H1N1](#)
- [AUG 7] [Novel H1N1 Flu: International Situation Update](#)
- [AUG 6] [Interim Recommendations for Facemask and Respirator Use to Reduce Novel Influenza A \(H1N1\) Virus Transmission](#)
- [AUG 7] [Updated Federal Guidelines for 2009 H1N1 Influenza in Schools Offer Many Options](#)
- [AUG 7] [CDC Guidance for State and Local Public Health Officials and School Administrators for School \(K-12\) Responses to Influenza during the 2009-2010 School Year](#)
- [AUG 7] [Technical Report for State and Local Public Health Officials and School Administrators on CDC Guidance for School \(K-12\) Responses to Influenza during the 2009-2010 School Year](#)
- [AUG 7] [Preparing for the Flu: A Communication Toolkit for Schools \(Grades K-12\)](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

Center for Infectious Disease Research and Policy

- [AUG 14] [Osteoporosis drugs may be effective in killing flu viruses](#)
 Researchers from Hong Kong have found that two osteoporosis drugs, pamidronate and zoledronate, might have potential as treatment for influenza, including the novel H1N1 and the H5N1 viruses, Reuters reported today.

[AUG 13] [CIDRAP authored Novel H1N1 Influenza \(Swine Flu\) overview](#)

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

Health Protection Agency (UK)

[AUG 13] [Weekly pandemic flu update](#)

- This week there has been a further reduction in the rates of flu-like illness and related activity.
- Weekly GP consultation rates decreased in England
- Majority of cases continue to be mild, no sign that virus is changing, becoming more severe or developing resistance to anti-virals.
- Interpretation of data to produce estimates on the number of new cases continues to be subject to a considerable amount of uncertainty with the move from GP consultations to the National Pandemic Flu Service. HPA modelling gives an estimate of 25,000 new cases in England last week (range 15,000 to 60,000). *There has been a decrease in estimated number of cases in all age groups and in all regions.*

[AUG 13] [Weekly Epidemiology Update for week ending Aug 9](#)

[AUG 7] [Managing influenza-like illness \(ILI\) in nursing and residential homes during the current influenza pandemic \(WHO Phase 6\)](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)



[AUG 14] [Priority groups for vaccination against swine flu announced](#)

[AUG 13] [Exercise Cold Play II](#)

Exercise Cold Play II is a Department of Health funded exercise designed as an 'off the shelf' package for use by health organisations and partner organisations within the UK. It has been developed from experience gained in previous pandemic influenza exercises and is intended to provide a generic format which can be adapted to suit the selected target audience.

[JUL 2] [UK Department of Health reports: *Swine flu pandemic: from containment to treatment*](#)

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



[AUG 14] [ECDC Situation Report for Aug 14](#)

- 1 933 new cases reported from the EU and EFTA countries, reaching a total of the United Kingdom reported 4 new deaths;

- 2 303 new cases including 94 fatal cases, were reported from non-EU and EFTA countries, reaching a cumulative total of 188 272 cases
- Switzerland and UK announced their priority groups for pandemic vaccine

[AUG 13] [Interim Guidance: Use of Specific Pandemic Influenza Vaccines during the H1N1 2009 Pandemic](#)

[AUG 13] [The final report of the fourth meeting of ECDC's Surveillance and Studies in a pandemic \(SSiAP\) working group](#)

[AUG 10] [Frequently asked questions on pandemic \(H1N1\) 2009](#)

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

European Union



[AUG 14] [Health Security Committee discusses vaccination issues and broader public health measures for influenza A \(H1N1\) 2009](#)



[AUG 13] [Health Security Committee/Early Warning and Response System Statement on Influenza A\(H1N1\) Symptomatic Individuals Travelling](#)



[AUG 13] [Health Security Committee/Early Warning and Response System Statement on School Closures](#)

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 12] [Pandemic \(H1N1\) 2009 - update 61](#)

Regions	Cumulative total	
	Cases*	Deaths
WHO Regional Office for Africa (AFRO)	591	1
WHO Regional Office for the Americas (AMRO)	102905	1274
WHO Regional Office for the Eastern Mediterranean (EMRO)	2346	7
WHO Regional Office for Europe (EURO)	Over 32000	53
WHO Regional Office for South-East Asia (SEARO)	9858	83
WHO Regional Office for the Western Pacific (WPRO)	26661	43
Grand Total	177457	1462

*Given that countries are no longer required to test and report individual cases, the number of cases reported actually understates the real number of cases.

[AUG 6] [Pandemic \(H1N1\) 2009 briefing note 7 - Pandemic influenza vaccine manufacturing process and timeline](#)

[AUG 6] [Pandemic \(H1N1\) 2009 briefing note 6 - Safety of pandemic vaccines](#)

[AUG 6] [Transcript of WHO Virtual Press Conference with the Director of the Initiative for Vaccine Research at WHO Headquarters](#)

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

[ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)



[AUG 14] [Regional Update for Aug 14: Pandemic \(H1N1\) 2009](#)

As of August 14, 2009, a total of 105,882 confirmed cases have been notified in all 35 countries in the Americas Region. A total of 1,579 deaths have been detected among the confirmed cases in 22 countries of the Region. Nicaragua and Venezuela reported their first deaths during epidemiological week 31.

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

Australia and New Zealand



[AUG 13] [New Zealand Ministry of Health Situation Update 134](#)

The total number of confirmed cases of Pandemic Influenza (H1N1) 09 swine flu is 3034, up from 3021 yesterday. The number of deaths from Pandemic Influenza (H1N1) 09 swine flu remains unchanged at 14. It's important to note these 14 deaths reported by the Ministry are deaths from swine flu, where swine flu was a primary cause of death. Other deaths are being investigated by the Coroner's office.

[AUG 13] [Pandemic \(H1N1\) 2009 Update Bulletin for Aug 13](#)

- 28 987 cases
- 102 deaths
- 3394 hospitalizations

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

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

Research Articles

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.*



[AUG 14] [Epidemiological and transmissibility analysis of influenza A\(H1N1\)v in a southern hemisphere setting: Peru](#)

Munayco CV, Gómez J, Laguna-Torres VA, et al. Epidemiological and transmissibility analysis of influenza A(H1N1)v in a southern hemisphere setting: Peru. Euro Surveill. 2009;14(32).



- [AUG 14] [What will the next influenza season bring about: seasonal influenza or the new A\(H1N1\)v? An analysis of German influenza surveillance data](#)
Upphoff H, Geis S, Grüber A, Hauri AM. What will the next influenza season bring about: seasonal influenza or the new A(H1N1)v? An analysis of German influenza surveillance data. Euro Surveill. 2009;14(32).
- [AUG 13] [Poverty, wealth, and access to pandemic influenza](#)
Yamada T. Poverty, Wealth, and Access to Pandemic Influenza Vaccines. N Engl J Med. 2009 Aug 12. [Epub ahead of print]
- [AUG 13] [In vitro and in vivo characterization of new swine-origin H1N1 influenza viruses](#)
Itoh Y, Shinya K, Kiso M, et al. In vitro and in vivo characterization of new swine-origin H1N1 influenza viruses. Nature. 2009 Jul 13. [Epub ahead of print]
- [AUG 13] [Rapid-Test Sensitivity for Novel Swine-Origin Influenza A \(H1N1\) Virus in Humans](#)
Faix DJ, Sherman SS, Waterman SH. Rapid-test sensitivity for novel swine-origin influenza A (H1N1) virus in humans. N Engl J Med. 2009 Aug 13;361(7):728-9. Epub 2009 Jun 29.
- [AUG 13] [Vaccine refusal and the risk of vaccine-preventable diseases](#)
Gill DG. Vaccine refusal and the risk of vaccine-preventable diseases. N Engl J Med. 2009; 361(7): 723-24.
- [AUG 13] [Severe Respiratory Disease Concurrent with the Circulation of H1N1 Influenza](#)
Chowell G et al. Severe Respiratory Disease Concurrent with the Circulation of H1N1 Influenza. N Engl J Med. 2009; 361(7): 674-79.
- [AUG 13] [Pneumonia and Respiratory Failure from Swine-Origin Influenza A \(H1N1\) in Mexico](#)
Perez-Padilla R et al. Pneumonia and Respiratory Failure from Swine-Origin Influenza A (H1N1) in Mexico. N Engl J Med. 2009; 361(7): 680-89.
- [AUG 13] [Neuraminidase inhibitors for treatment and prophylaxis of influenza in children: systematic review and meta-analysis of randomised controlled trials](#)
P Shun-Shin M, Thompson M, Heneghan C, et al. Neuraminidase inhibitors for treatment and prophylaxis of influenza in children: systematic review and meta-analysis of randomised controlled trials. BMJ. 2009 Aug 10;339:b3172.
- [AUG 12] [How to maintain surveillance for novel influenza A H1N1 when there are too many cases to count*](#)

Lipsitch M, Hayden FG, Cowling BJ, Leung GM. How to maintain surveillance for novel influenza A H1N1 when there are too many cases to count. *Lancet*. 2009 Aug 12. [Epub ahead of print]

[AUG 12] [Detection of novel \(swine origin\) H1N1 influenza A virus by quantitative real-time reverse transcription-PCR](#)

Wang R, Sheng ZM, Taubenberger JK. Detection of novel (swine origin) H1N1 influenza A virus by quantitative real-time reverse transcription-PCR. *J Clin Microbiol*. 2009 Aug;47(8):2675-7.

[AUG 12] [Transparency during public health emergencies: from rhetoric to reality](#)

O'Malley P, Rainford J, Thompson A. Transparency during public health emergencies: from rhetoric to reality. *WHO Bulletin J Clin Microbiol*. 2009 Aug;87(8):565-644.

[AUG 12] [Full issue of *Lancet Infectious Diseases* dedicated to H1N1*](#)

[AUG 3] [Facemasks and hand hygiene to prevent influenza transmission in households: A randomized trial](#)

Cowling BJ, Chan KH, Fang VJ, Cheng CK, Fung RO, Wai W et al. Facemasks and hand hygiene to prevent influenza transmission in households: A randomized trial. *Ann Intern Med*. 2009 Aug 3. [Epub ahead of print]

[AUG 3] [Safety and efficacy of extended-duration antiviral chemoprophylaxis against pandemic and seasonal influenza](#)

Khazeni N, Bravata DM, Holty JE, Uyeki TM, Stave CD, Gould MK. Safety and efficacy of extended-duration antiviral chemoprophylaxis against pandemic and seasonal influenza. *Ann Intern Med*. 2009 Aug 3. [Epub ahead of print]

[AUG 12] [Human swine influenza A \[H1N1\]: practical advice for clinicians early in the pandemic*](#)

Fitzgerald DA. Human swine influenza A [H1N1]: practical advice for clinicians early in the pandemic. *Paediatr Respir Rev*. 2009 Sep;10(3):154-8. Epub 2009 Jul 16.

[AUG 12] [Understanding influenza backward](#)

Morens DM, Taubenberger JK. Understanding influenza backward. *JAMA*. 2009 Aug 12;302(6):679-80. Comment.

[AUG 14] [Medline literature search on H1N1](#) (current as of today)

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](#)

Other Scientific Resources

[JUNE 17] [White paper on novel H1N1](#)

Barry J. White paper on novel H1N1. Engineering Systems Division Working Paper Series ESD-WP-2009-07. Massachusetts Institute of Technology (MIT) 2009. 19 pages.

Clinical and Public Health Practice Tools

[JUNE 15] [Algorithms from 18 US states to assist in decisions regarding testing and treatment of H1N1](#)

Historical Resources

[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

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