

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of February 12, 2010 at 12 pm

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Events

Current / Upcoming

[FEB 17] [GLOBAL HEALTH HISTORIES: Emerging issues of global public health importance: SARS: Learning from an Epidemic of Fear](#)

Wednesday, February 17, 2010 | 12:30 PM - 2:30 PM CET | Space is limited

The 2003 outbreak of SARS, a deadly new infectious disease, sparked worldwide alarm. It caused more than 8 000 cases and almost 800 deaths in at least 25 countries. Its spread was halted only by emergency international action.

In the opening presentation of this new seminar series, health psychologist Professor George Bishop describes his studies of how ordinary people respond to illness threats. He focuses particularly on the impact of SARS in Singapore, public responses to the epidemic, and the lessons learned.

Dr Cathy Roth, a WHO expert on the disease, explains the role of WHO in leading the struggle to contain this unprecedented threat.

Co-organized with University College London and the Wellcome Trust, together with the The WHO Department of Knowledge Management and Sharing (KMS).

[ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online learning program for health professionals

To access the program, go to:

www.mdBriefCase.com (for physicians)

www.rxBriefCase.com (for pharmacists)

www.AdvancingIn.com (for nurses and other healthcare professionals)

Archived

[FEB 3-5] [International Symposium on Neglected Influenza Viruses](#)

[DEC 16] Topic: A Special Flu.Gov Webcast for Health Care Providers
Join experts from the U.S. Department of Health and Human Services and the former president of the American Medical Association answer your questions about the H1N1 virus and vaccine. Hosted by the U.S. Department of Health and Human Services, **the show airs live** on www.flu.gov.

[NOV 30] Webcast: [Planning for a Pandemic - Can History Inform Action?](#)

[NOV 18] [Clinical Laboratory Management Association: Review Epidemiology of Novel H1N1](#)

[NOV 10] [Assembly of First Nations and Health Canada to Co-host a Virtual Summit on H1N1 Preparedness November 10th, 2009](#)

[ARCHIVED] [COCA conference calls](#)

[ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)

[ARCHIVED] [Know what to do about the flu](#): webcast series from the U.S flu.gov

Lessons Learned

Jurisdictional Scan

[Impact of H1N1 and seasonal flu on hours worked.](#)

Statistic Canada. The Daily. Friday, February 12, 2010.

CIHI. [H1N1 in Canada—A Context for Understanding Patients and Their Use of Hospital Services.](#)

[Lessons learned for H1N1's first wave.](#)

Trust for America's Health. Pandemic Flu Preparedness: Lessons from The Frontlines. 2010.

<http://healthyamericans.org/assets/files/pandemic-flu-lesson.pdf>

Literature

[Low acceptance of vaccination against the 2009 pandemic influenza A\(H1N1\) among healthcare workers in Greece](#)

Rachiotis G, Mouchtouri VA, Kremastinou J, Gourgoulisanis K, Hadjichristodoulou C. Euro Surveill. 2010;15(6):pii=19486.

[Protecting health care workers: a pandemic simulation based on Allegheny County](#)

Philip Cooley, Bruce Y. Lee, Shawn Brown, James Cajka, Bernadette Chasteen, Laxminarayana Ganapathi, James H. Stark, William D. Wheaton, Diane K. Wagener, Donald S. Burke. Influenza Oth Inf Dis. 2010; 4(2): 61-72.

[A novel electrochemical device to differentiate pandemic \(H1N1\) 2009 from seasonal influenza.](#)

T. M. Straight, G. Merrill, L. Perez, J. Livezey, B. Robinson, M. Lodes, D. Suci, B. Anderson. Influenza Oth Inf Dis. 2010; 4(2): 73-79.

[Pre-dispensing of antivirals to high-risk individuals in an influenza pandemic.](#)

Edward Goldstein, Joel C. Miller, Justin J. O'Hagan, Marc Lipsitch. Influenza Oth Inf Dis. 2010; 4(2): 73-79.

[Guillain-Barré Syndrome in Children Aged <15 Years in Latin America and the Caribbean: Baseline Rates in the Context of the Influenza A \(H1N1\) Pandemic](#)

Landaverde JM, M. Danovaro-Holliday C, Trumbo SP, Pacis-Tirso CL, Ruiz-Matus C. J Inf Dis. 2010;201(5):746–750.

[Mathematical Modeling of the Effectiveness of Facemasks in Reducing the Spread of Novel Influenza A \(H1N1\)](#)

Tracht SM, Del Valle SY, Hyman JM. 2010. PLoS ONE 5(2): e9018. doi:10.1371/journal.pone.0009018

[Evaluation of Southern Hemisphere influenza vaccine recommendations](#)

Richard SA, Viboud C, Miller MA. Vaccine 2010; In Press, Uncorrected Proof, Available online 11 February 2010.

[Physicians' legal duty of care and legal right to refuse to work during a pandemic](#)

Cara E. Davies and Randi Zlotnik Shaul. CMAJ 2010;182 167-170.

[Estimated epidemiologic parameters and morbidity associated with pandemic H1N1 influenza](#)

Ashleigh R. Tuite, Amy L. Greer, Michael Whelan, Anne-Luise Winter, Brenda Lee, Ping Yan, Jianhong Wu, Seyed Moghadas, David Buckeridge, Babak Pourbohloul, and David N. Fisman. CMAJ 2010;182 131-136.

[Why we went over the top in the swine flu battle.*](#)

Hawkes N. BMJ. 2010 Feb 10;340:c789. doi: 10.1136/bmj.c789. No abstract available.

[Influenza A/H1N1 \(2009\) infection in pregnancy-an Asian perspective.](#)

Lim ML, Chong CY, Tee WS, Lim WY, Chee JJ. BJOG. 2010 Feb 10. [Epub ahead of print]

[Experience and lessons from surveillance and studies of the 2009 pandemic in Europe.*](#)

Nicoll A, Ammon A, Amato A, Ciancio B, Zucs P, Devaux I, Plata F, Mazick A, Mølbak K, Asikainen T, Kramarz P. Public Health. 2010 Jan;124(1):14-23.

[Pandemic influenza: learning from the present.*](#)

McConnell J. Public Health. 2010 Jan;124(1):3-4. No abstract available.

[The H1N1 influenza 09 and its potential impact on the Australian nursing workforce.*](#)

Usher K, Gardner A, Buttner P, Woolley T, Sando J, White K, West C. Collegian. 2009;16(4):169-70. No abstract available.

Ministry of Health and Long-Term Care (MOHLTC)

[Ontario Flu Bulletin Week 4 \(January 24 –January 30, 2010\)](#)

For the surveillance period of January 24 to January 30, 2010 :

- Influenza activity in Ontario was lower compared to the previous reporting period (Jan. 10, to Jan. 16, 2010).
- Fewer patients reporting influenza-like symptoms consulted sentinel physicians during this week than during last week.
- The rate of influenza-like illness (ILI) in patients seen by sentinel physicians is almost equal to what is expected based on the average rate at this time of year for past seasons. Much of the activity may be due to an increase in respiratory syncytial virus (RSV)* activity at this time.
- No health units reported localized influenza activity for the current reporting period. Four health units reported sporadic influenza activity and 30 reported no influenza activity. The remaining two health units did not report.
- There are 8,791 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

*RSV is a virus which causes infection in the lungs and breathing passages

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

Important Health Notices / Avis de santé important

None on H1N1 since Nov 13, 2009.

Ontario Agency for Health Protection and Promotion (OAHPP)

OAHPP public health laboratories pandemic H1N1 surveillance reports:
[February 1, 2010](#)

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

Public Health Agency of Canada (PHAC)

PHAC will no longer be producing a weekly report of deaths associated with the H1N1 flu virus. This information will now be captured in the weekly FluWatch report. This report is posted weekly on Fridays.

[FluWatch January 24-30](#)

Summary of FluWatch Findings for the week ending January 30, 2010

New this week:

- Please see the table at the end of this report for weekly and cumulative number of deaths due to pandemic H1N1 2009, by province/territory, Canada, as of 4 February 2010, 11h00 EDT.
- During week 4, all influenza indicators remained low for this time of the year.
- Although, there was an increase in the number of influenza-like-illness outbreaks reported this week (11 in schools and one in a residential institution), only 0.6% (13 out of 2318) of the specimens tested were positive for influenza (7 pandemic H1N1 2009, 6 influenza A not-subtyped and one B). It is important to note that most ILI school outbreaks are based on symptoms and are not laboratory-confirmed. Therefore, school outbreaks could be due to influenza or any other respiratory pathogen such as the respiratory syncytial virus for whose detection continued to increase in a number of provinces this week.
- Thirty-one hospitalized cases, no ICU admissions and 1 death were reported during week 4. The death was from ON. Only six hospitalized cases reported since the beginning of the pandemic had symptom onset dates in 2010.
- On January 27, 2010, the Public Health Agency of Canada announced that the second wave of pandemic H1N1 2009 has tapered off.

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

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

[UPDATE: Weekly FluView Map and Surveillance Report for Week Ending February 6, 2010](#)

During week 5 (January 31-February 6, 2010), influenza activity remained at approximately the same levels as last week in the U.S. 206 (4.8%) specimens tested by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories and reported to CDC/Influenza Division were positive for influenza.

[UPDATE: Influenza and Pneumonia-Associated Hospitalizations and Deaths from August 30, 2009 to February 6, 2010](#)

FluView reports that for the week of January 31 – February 6, 2010, flu activity in the United States remained about the same as during the previous week. Flu activity is relatively low at this time, with most flu continuing to be caused by 2009 H1N1. Flu activity, caused by either 2009 H1N1 or seasonal flu viruses, may rise and fall, but it is expected to continue for several more months.

[NEW: 2009 H1N1 and Seasonal Influenza and Hispanic Communities: Questions and Answers](#)

These questions and answers summarize the current understanding of the impact of 2009 H1N1 and seasonal influenza virus on Hispanics/Latinos, describe some of the barriers to uptake of 2009 H1N1 and seasonal influenza vaccines, and outline potential strategies for improving health and increasing vaccine coverage in Hispanic/Latino communities.

[NEW: Abbreviated Pandemic Influenza Plan Template for Primary Care Provider Offices: Guidance from Stakeholders \(PDF\)](#)

The abbreviated Primary Care Office Template was developed by SME's in primary care, public health and emergency management during a stakeholder meeting in August 2009. Utilizing this template, primary care offices will be able to rapidly (within 1-5 days) develop a pandemic influenza plan and be encouraged to become integrated into community planning

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

Center for Infectious Disease Research and Policy

Feb 11-----

[WHO ponders move to post-peak pandemic phase](#)

With pandemic flu activity continuing to ease except in a few hot spots, the World Health Organization (WHO) said today it will convene its emergency group of experts at the end of the month to discuss a move to the post-peak phase of the pandemic.

[Read CIDRAP article...](#)

[Pandemic virus may have interfered with RSV](#)

Writing in *Eurosurveillance*, French researchers report that respiratory syncytial virus (RSV) circulation in France in late 2009 was reduced and delayed compared with a year earlier, and that this might be explained in part by H1N1 flu. "The influenza pandemic wave of 2009 seems to have partially overcome the RSV epidemic," they write. Viral interference and/or increased hygiene measures in response to H1N1 might have affected RSV activity, they suggest. [\[Feb 11 Eurosurveillance report\]](#)

[Myocarditis reported in young flu patients](#)

Although acute myocarditis as a complication of a viral infection is fairly rare, physicians from a San Diego children's hospital yesterday described four cases that occurred in a 30-day period in children who had pandemic H1N1 infections. They reported their findings in a letter in the *Journal of the American College of Cardiology*. Of three children who had fulminant myocarditis, one died and two required extracorporeal membrane oxygenation. The fourth had acute perimyocarditis. [\[Feb 10 J Am Coll Cardiol letter\]](#)

[School outbreaks reported in Minnesota](#)

While flu activity in Minnesota remained low last week, two schools reported flu-like illness outbreaks, the Minnesota Department of Health (MDH) reported yesterday. Also, a story in the

Minneapolis *Star Tribune* noted that seasonal flu viruses have been almost absent this winter and said experts are increasingly confident that pandemic H1N1 will be the only virus around for the rest of the winter. The experts also said the pandemic virus is likely to continue to predominate next fall. [\[Feb 10 MDH weekly flu report\]](#)

[T-shirts, sign-twirlers used to promote vaccination](#)

The Mississippi Department of Health is providing free "Fast Lane" H1N1 flu vaccination clinics throughout the state today and tomorrow, with vaccinees getting free T-shirts. Meanwhile, Riverside County officials in California have posted dancing sign-twirlers at H1N1 vaccination clinics to lure passersby, the Riverside *Press-Enterprise* reported. And health workers in Morrow County, Ore., offered H1N1 shots at a highway rest stop near Boardman yesterday, the *Oregonian* reported. [\[Feb 11 Mississippi news release\]](#)

Feb 10-----

[CDC releases pandemic guide for primary care](#)

The Centers for Disease Control and Prevention (CDC) released a planning template for primary care medical practices that may have to cope with increased numbers of patient visits and calls during an influenza pandemic. The template's guidelines for maintaining communication, planning for surges of patients, and keeping offices functioning were based on recommendations from healthcare and public health workers brought together by the CDC in August. [\[Feb 10 CDC document\]](#)

[Queensland schedules high school vaccinations](#)

The government of Queensland will administer free H1N1 flu vaccinations in high schools throughout the Australian state, offering the shot to students and also to their families, the Australian Broadcasting Corp. (ABC) reported Wednesday. The clinics are in anticipation of Australia's winter flu season and in acknowledgement of "disappointingly low" vaccine acceptance by 13% of the state's population. [\[Feb 10 ABC News report\]](#)

[Study shows low flu complications in pregnant women](#)

Pregnant women treated at a major hospital center in Singapore experienced a low rate of serious illness from H1N1 flu, with 9 of 211 developing pregnancy complications and 2 developing pneumonia. None died. The authors of a medical journal article say the group is the largest cohort of pregnant women with H1N1 yet studied. The authors say early diagnosis and treatment was essential: The women's median time between developing symptoms and seeking help and being put on antivirals was 2 days. [\[Feb 10 BJOG press release\]](#)

[Qatar latest state to cancel vaccine order](#)

The government of Qatar intends to turn back 40% of the 1.5 million doses of H1N1 vaccine it ordered because it considers the shots no longer needed, the online publication TradeArabia reported. It quoted representatives of the Supreme Council of Health saying that 1.5 million doses were ordered and 500,000 delivered, but only 40,000 people have been vaccinated, including 21,000 children. The council hopes to cancel orders for 620,000 of the remaining 1 million doses. [\[Feb 10 TradeArabia.com report\]](#)

Feb 9-----

[Senegal reports cases after religious festival](#)

The health minister of Senegal confirmed that the country has experienced 14 cases of pandemic H1N1 flu after a religious festival, according to an Africa News story today. The first cases were detected in the religious city of Touba and in nearby Diourbel, in central Senegal. Hundreds of thousands of members of the Mouride Muslim Brotherhood gathered in these cities last week to

commemorate a religious event. The health minister said the country has the resources to deal with pandemic flu. [\[Feb 9 Africa News story\]](#)

[Israel cancels remaining vaccine order](#)

Because only a tenth of Israel's population has been vaccinated against pandemic flu, the country has canceled orders for its remaining H1N1 vaccine after receiving 4.6 million doses, according to a *Jerusalem Post* story today. The original order was for 7.3 million doses, but only 700,000 doses have been used. [\[Feb 9 Jerusalem Post article\]](#)

[Controversy forces delay of Romanian vaccinations](#)

Romanian authorities have delayed the launch of their H1N1 vaccination campaign by at least a month amid concern about the procedures used in testing the vaccine in children, according to WAZ.EUobserver.com, which reports on relations between the European Union and countries in southeastern Europe. The controversy started when a Romanian newspaper reported that parents were being paid to allow their children to receive the vaccine, which has not been approved by the European Medicines Agency. [\[Feb 9 WAZ.EUobserver.com report\]](#)

[NBA team removed water fountains to fight flu](#)

The Cleveland Cavaliers basketball team removed all the water fountains from its arena in November to fight pandemic flu and other diseases, the Associated Press reported. Team spokesman Tad Carper said the decision was based on information from qualified sources, which he did not name. Matt Carroll, director of Cleveland's health department, said he was not aware of any evidence that water fountains help spread H1N1. Thirsty fans can get free cups of water at concession stands, said Carper. [\[Feb 8 AP report\]](#)

Feb 8-----

[California data show H1N1 vaccine safe](#)

Statistics gathered by the California Department of Public Health show only three deaths among 13 million state residents who received H1N1 flu vaccine, *USA Today* reported. One person had preexisting flu and bacterial infections and one was a cardiac patient whose death was caused by cardiovascular disease. The cause of the third person's death is still being evaluated, state officials told the paper. [\[Feb 8 USA Today story\]](#)

[Parents still worry about vaccine safety](#)

Parental concern about pandemic vaccine safety, despite the vaccine's good record, is still an obstacle to immunization, according to a survey released today by the University of Michigan. While about half (55%) of parents worried about their children getting the flu, more (65%) worried about vaccine safety. Pandemic H1N1 has been more deadly for children than seasonal flu, but pollsters said parents may not fully grasp potential illness severity. The January poll included 1,612 parents. [\[Feb 8 University of Michigan vaccine poll\]](#)

[Algeria seeks sharp cut in H1N1 vaccine order](#)

The government of Algeria hopes to cancel three fourths of its order for 20 million doses of H1N1 vaccine, Agence France-Presse reported. The chief pandemic-flu official in the country's health ministry said Algeria has received 2.5 million doses already but has faced low acceptance of the vaccine, especially among healthcare workers. Algeria has seen 808 confirmed cases and 54 deaths. [\[Feb 7 AFP report\]](#)

[Australian officials urge vaccination for children](#)

The government of New South Wales says now is the ideal time for young children to be vaccinated against H1N1 flu, as the date for their return to day care or school approaches, the Australian Associated Press reported. Health officials expect Australia's second wave of H1N1 in the next few months, and this time, unlike in the first wave, there is vaccine available. Kerry Chant, chief health

officer for New South Wales, said H1N1 is likely to be the dominant flu strain in Australia this year. [[Feb 8 AAP story](#)]

[Respiratory disease increasing in Haitian camps](#)

Respiratory disease is increasing in Haiti's refugee camps, though there has been no formal evaluation or lab confirmation of H1N1 flu, according to a report from the Global Health Cluster, a coalition of humanitarian groups working with the World Health Organization. The report, carried by ProMED-mail, says no vaccination efforts have been launched. With rains expected in March, the potential for flu outbreaks in the camps is moderate, the report states. [[Feb 7 ProMED-mail report](#)]

Feb 5-----

[WHO: Most regions show declining H1N1 activity](#)

Although pandemic flu activity continues to decline or remain low in most of the Northern Hemisphere, some areas of the world are experiencing active but declining transmission, particularly North Africa and some areas of Eastern Europe and East Asia, the World Health Organization said today (WHO) today. Global H1N1 deaths have risen by several hundred from a week ago, to at least 15,174. China continues to report relatively high levels of influenza B. [[Feb 5 WHO update](#)]

[Europe notes high H1N1 death rate in kids](#)

Pandemic flu raised the death rate in European children last year but not adults, according to a study in *Eurosurveillance*. Children aged 5 to 14 years in eight countries had a 28% higher death rate than expected, in contrast to mortality in all age-groups, which was lower than in a typical year from seasonal flu. The higher death rate in children amounts to about 77 additional deaths in that age-group. The researchers called their estimates "conservative." [[Feb 4 Eurosurveill report](#)]

[Northern Vietnam reports outbreak](#)

An outbreak of H1N1 has affected the northern Vietnamese province of Bac Kan, health officials said in a VietNamNet story today. Eighteen people recently contracted pandemic flu, said health official Dr. Nguyen Huy Nga. The patients have shown typical symptoms, he said, including fever, cough, sore throat, and muscle pain. [[Feb 5 VietNamNet story](#)]

[H1N1 patient experienced quadriplegia](#)

A letter in *Emerging Infectious Diseases* outlines the case of a Thai patient with pandemic flu who developed acute respiratory distress followed by severe neurologic problems, including quadriplegia. Physicians ruled out Guillian-Barre syndrome, and the patient later regained muscle strength. Last May four Dallas children experienced pandemic-H1N1?related neurologic symptoms. [[Feb 4 Emerg Infect Dis letter](#)]

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

Health Protection Agency (UK)

[Weekly Epidemiological Update: 11 February 2010 \(Week 06\)](#)

Due to low influenza activity the National Influenza Report will be published fortnightly, with a short summary of activity provided in alternate weeks. Should activity increase again the report will return to a weekly schedule. The next full report will be published on **Thursday 18 February 2010**.

- Pandemic influenza activity is generally decreasing across the UK.
- 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. The number of assessments and antiviral collections through this service have decreased over the past week.

This service ceased on 11 February 2010; from now onwards, antivirals will be authorised via health care professionals.

- The weekly number of pandemic influenza cases reported as admitted to hospital has decreased recently. There have been 411 deaths reported due to pandemic (H1N1) 2009 in the UK; 298 England (to 03 February), 67 Scotland, 28 Wales and 18 Northern Ireland (to 10 February).

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

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

European Centre for Disease Prevention and Control (ECDC)

[Weekly Influenza Surveillance Overview : Main surveillance developments in week 6/2010 \(Feb 12\)](#)

- The 2009 influenza A(H1N1) pandemic is well past its peak in EU/EEA countries. In eight countries (the majority of which are in Eastern Europe), local or regional transmission of the pandemic virus continues at low to medium intensity.
- Elsewhere intensity was low, but sporadic transmission of the pandemic virus was reported in the majority of countries.
- Of the 910 specimens collected by sentinel physicians, 76 (8.4%) were positive for influenza virus, mainly the pandemic virus; this is consistent with a declining trend.
- In contrast to the pandemic virus there is currently no evidence of virus circulation due to other influenza A viruses, but there is some circulation of influenza B viruses.
- The number of reported SARI cases continued to decline. Of the 39 SARI cases for whom underlying conditions were documented, 9 (23%) had no known underlying condition.

[ECDC EXECUTIVE UPDATE : 2009 pandemic influenza A\(H1N1\) Issue 29 Monday, 08 February 2010](#)

Past meetings and events

- **2–4 February 2010:** ECDC participated in a European Commission-led evaluation of the pandemic response at the EU level, Barcelona.

Upcoming meetings and events

- **9 February 2010:** Planning meeting with Nordic countries on pandemic response evaluation, organised by the Norwegian authorities.
- **14–19 February:** World Health Organization strain selection and vaccine meeting to decide on the final strain composition of influenza vaccines for the Northern hemisphere will be held in Geneva.
- **17–18 February:** Advisory Forum meeting, which will include a session on looking forward from the 2009 influenza pandemic and a working group on the evaluation of the pandemic response, at ECDC in Stockholm.

[ECDC comment on : Ninth Update of EMA Pharmacovigilance Report, 3 Feb 2010](#) 05 Feb 2010

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

European Union

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

Pan-American Health Organization (PAHO)

[Regional Update. Pandemic \(H1N1\) 2010 \(Feb 01\)](#)

- In North America, acute respiratory disease activity continued to decrease and is lower than expected in most areas
- In the Caribbean, all countries reported unchanged and decreasing trends in acute respiratory disease
- Central American countries reported decreasing trends in acute respiratory disease except Guatemala, which reported an increasing trend
- South American countries reported mostly decreasing or unchanged trends of acute respiratory disease
- In North America, a median of 100% of subtyped influenza A viruses were pandemic (H1N1) 2009
- 95 new confirmed deaths in 7 countries were reported; in total there have been 7,261 cumulative confirmed deaths

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

Australia and New Zealand

All jurisdictions in Australia have ceased daily Pandemic (H1N1) 2009 data reporting.

Australia: [Influenza Surveillance Report No. 4 for the week ending 29 January 2010 \(PDF 154 KB\)](#)

- As at 29 January 2010, there have been 37,649 confirmed cases of pandemic (H1N1) 2009 and 191 deaths reported in Australia.
- National influenza activity remains low and at levels experienced at the same time in previous years as measured by:
 - Influenza-like illness (ILI) presentation rates to General Practitioners;
 - ILI presentations to emergency departments (EDs) in NSW and WA;
 - FluTracking surveillance of ILI;
 - Enquiries to the National Health Call Centre Network (NHCCN); and
 - Absenteeism rates.
- As at 24 January 2010, the WHO Regional Offices reported at least 14,711 deaths associated with pandemic (H1N1) 2009 worldwide. Much of the Northern Hemisphere passed a peak of pandemic influenza activity between late October and late November 2009. However, virus transmission remains active in several later affected areas, particularly in North Africa, limited areas of Eastern and Southeastern Europe, and in parts of South and East Asia. In the Southern Hemisphere, sporadic cases of pandemic influenza continued to be reported without evidence of sustained community transmission.
- Pandemic influenza (H1N1) continues to be the predominant circulating influenza virus in nearly all countries where influenza is reported except in China, where there have been outbreaks due to influenza B (48.8% of all influenza positive specimens).
- The WHO Collaborating Centre in Melbourne has reported that four pandemic (H1N1) 2009 isolates collected in Australia have shown resistance to oseltamivir by enzyme inhibition

assay (EIA) and nine pandemic (H1N1) 2009 clinical specimens have shown the H275Y mutation known to confer resistance to oseltamivir.

- To date, WHO reported that 220 oseltamivir resistant pandemic (H1N1) 2009 viruses had been detected and characterised worldwide. All of these isolates showed the same H275Y mutation but all were sensitive to zanamivir.

New Zealand: [11 February 2010 Pandemic Influenza H1N1 2009 \(swine flu\) – Update 171](#)

- Overall pandemic influenza activity in New Zealand remained at very low levels during the week of 1-7 February 2010.

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

[ARCHIVED] [Australia's H1N1 Update Bulletins](#)

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.

[Pandemic H1N1 \(2009\) – Update 87](#)

12 February 2010 -- As of 7 February 2010, worldwide more than 212 countries and overseas territories or communities have reported laboratory confirmed cases of pandemic influenza H1N1 2009, including at least 15292 deaths.

[How recommendations are made on the composition of influenza vaccine](#)

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

[ARCHIVED] [Older WHO Updates](#)

pH1N1 Clinical Information

[ARCHIVED] [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)

[Household transmissibility and other characteristics of seasonal oseltamivir-resistant influenza A\(H1N1\) viruses, Germany, 2007-8](#)

Buchholz U, Brockmann S, Duwe S, Schweiger B, an der Heiden M, Reinhardt B, Buda S. Euro Surveill. 2010;15(6):pii=19483.

[Low acceptance of vaccination against the 2009 pandemic influenza A\(H1N1\) among healthcare workers in Greece](#)

Rachiotis G, Mouchtouri VA, Kremastinou J, Gourgoulianis K, Hadjichristodoulou C. Euro Surveill. 2010;15(6):pii=19486.

[Impact of the 2009 influenza A\(H1N1\) pandemic wave on the pattern of hibernal respiratory virus epidemics, France, 2009](#)

Casalegno JS, Ottmann M, Bouscambert-Duchamp M, Valette M, Morfin F, Lina B. Euro Surveill. 2010;15(6):pii=19485.

[Delayed Clearance of Viral Load and Marked Cytokine Activation in Severe Cases of Pandemic H1N1 2009 Influenza Virus Infection](#)

Kelvin K. W. To et al. Clin Inf Dis. Published online February 05, 2010.

[Impact of the Novel Influenza A \(H1N1\) during the 2009 Autumn-Winter Season in a Large Hospital Setting in Santiago, Chile](#)

Juan Pablo Torres et al. Clin Inf Dis. Published online February 05, 2010.

[Protecting health care workers: a pandemic simulation based on Allegheny County](#)

Philip Cooley, Bruce Y. Lee, Shawn Brown, James Cajka, Bernadette Chasteen, Laxminarayana Ganapathi, James H. Stark, William D. Wheaton, Diane K. Wagener, Donald S. Burke. Influenza Oth Inf Dis. 2010; 4(2): 61-72.

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