

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of June 18, 2010 at 12 pm*

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### Current / Upcoming

[JUN 21-22] [H1N1: The world responds to a 21st century pandemic](#) (London, UK)  
This international conference will bring together scientists, academics and public health professionals to examine what we have learned since the appearance of H1N1 in April 2009, and the knowledge gained from the global effort can be used in preparing for future pandemic response.

### Archived

[ARCHIVED] [COCA conference calls](#)

[ARCHIVED] [Know what to do about the flu](#) (Webcast series from flu.gov)

## Lessons Learned: Jurisdictional Scan [[back to top](#)]

### [Questions and Answers: Average and Median Ages of 2009 H1N1-Related Deaths in the United States, Spring and Fall 2009](#)

This document provides information about the average and median ages of 2009 H1N1-related deaths that occurred in the United States in the spring and fall of 2009.

### [The 2009 H1N1 Pandemic: Summary Highlights of CDC's Response, April 2009-April 2010](#)

This document summarizes key events of the 2009 H1N1 pandemic and CDC's response activities for historical purposes.

### [London Assembly Pandemic Report](#)

#### [Pandemic exposed gaps in Canada's planning](#) (2010-06-08)

Canada's response to the H1N1 pandemic was one of confusion, says a white paper being presented today at the World Conference on Disaster Management in Toronto.

WHO responds to current critical scrutiny:

[WHO Director-General's letter to BMJ editors](#) (2010-06-08)

[The international response to the influenza pandemic: WHO responds to the critics](#) (2010-06-10)

#### [Systems previously installed are more effective during crisis: Influenza experts conclude](#) (2010-06-11)

During the Annual Meeting of the European Influenza Surveillance Network (EISN), participants concluded that based on "countries' experiences, systems installed prior to a crisis are easier to activate and are more effective during the actual event." The meeting report will be available shortly.

#### [Expert warns against H1N1 complacency](#) (2010-06-08)

British virologist John Oxford stated at a recent Dublin conference that "It's too early to do a postmortem" on the pandemic H1N1 flu virus. He predicted it will cause trouble again in the coming winter.

[Much of Hong Kong vaccine to be tossed](#) (2010-06-10)

[The Domestic and International Impacts of the 2009-H1N1 Influenza A Pandemic: Global Challenges, Global Solutions: Workshop Summary](#)

Institute of Medicine of the National Academies.

## **Lessons Learned: Literature**

[Building trust through social media. CDC's experience during the H1N1 influenza response\\*](#)

Reynolds BJ. *Mark Health Serv.* 2010 Spring;30(2):18-21. No abstract available.

[Model predictions and evaluation of possible control strategies for the 2009 A/H1N1v influenza pandemic in Italy\\*](#)

Ajelli M, Merler S, Pugliese A, Rizzo C. *Epidemiol Infect.* 2010 Jun 14:1-12. [Epub ahead of print]

[Pandemic influenza preparedness and response in Israel: A unique model of civilian-defense collaboration\\*](#)

Kohn S, Barnett DJ, Leventhal A, Reznikovich S, Oren M, Laor D, Grotto I, Balicer RD. *J Public Health Policy.* 2010 Jul;31(2):256-69.

[Comparative age distribution of influenza morbidity and mortality during seasonal influenza epidemics and the 2009 H1N1 pandemic](#)

Lemaitre M, Carrat F. *BMC Infect Dis.* 2010 Jun 9;10(1):162. [Epub ahead of print]

[Studies Needed to Address Public Health Challenges of the 2009 H1N1 Influenza Pandemic: Insights from Modeling](#)

Van Kerkhove MD, Asikainen T, Becker NG, et al. *PLoS Med.* 2010 Jun 1;7(6):e1000275.

[Pandemic influenza preparedness and health systems challenges in Asia: results from rapid analyses in 6 Asian countries](#)

Hanvoravongchai P, Adisasmito W, Chau PN, Conseil A, de Sa J, Krumkamp R, Mounier-Jack S, Phommasack B, Putthasri W, Shih CS, Touch S, Coker R, Project FT. *BMC Public Health.* 2010 Jun 8;10(1):322. [Epub ahead of print]

[If you ask them, will they come? Predictors of quarantine compliance during a hypothetical avian influenza pandemic: results from a statewide survey\\*](#)

Bauerle Bass S, Burt Ruzek S, Ward L, Gordon TF, Hanlon A, Hausman AJ, Hagen M. *Disaster Med Public Health Prep.* 2010 Jun;4(2):135-44.

[Accounting for vulnerability to illness and social disadvantage in pandemic critical care triage\\*](#)

Kaposy C. *J Clin Ethics.* 2010 Spring;21(1):23-9.

[Portrait of a year-old pandemic](#)

Butler D. *Nature.* 2010 Apr 22;464(7292):1112-3. No abstract available.

[Geographical spread of highly pathogenic avian influenza virus H5N1 during the 2006 outbreak in Austria\\*](#)

Fink M, Fernández SR, Schobesberger H, Koefer J. J Virol. 2010 Jun;84(11):5815-23. Epub 2010 Mar 24.

[The first wave of pandemic influenza \(H1N1\) 2009 in Germany: from initiation to acceleration](#)

Poggensee G, Gilsdorf A, Buda S, Eckmanns T, Claus H, Altmann D, Rki-Wgpi RW, Krause G, Haas W. BMC Infect Dis. 2010 Jun 7;10(1):155. [Epub ahead of print]

[Permissive secondary mutations enable the evolution of influenza oseltamivir resistance\\*](#)

Bloom JD, Gong LI, Baltimore D. Science. 2010 Jun 4;328(5983):1272-5.

[Economics of avian influenza management and control in a world with competing agendas\\*](#)

McLeod A. Avian Dis. 2010 Mar;54(1 Suppl):374-9.

[A year of H1N1 influenza statistics](#)

MLO Med Lab Obs. 2010 May;42(5):52-3.

**Ministry of Health and Long-Term Care** [[back to top](#)]

[Ontario Influenza Bulletin SURVEILLANCE WEEK 21 \(May 23, 2010– May 29, 2010\)](#)

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

**Ontario Agency for Health Protection and Promotion** [[back to top](#)]

*No items of interest this week.*

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

**Public Health Agency of Canada (PHAC)** [[back to top](#)]

[Travel Notice \(2010-06-11\)](#)

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

**Centers for Disease Control and Prevention (CDC)  
& US Department of Health and Human Services** [[back to top](#)]

[Questions and Answers: Average and Median Ages of 2009 H1N1-Related Deaths in the United States, Spring and Fall 2009](#)

This document provides information about the average and median ages of 2009 H1N1-related deaths that occurred in the United States in the spring and fall of 2009.

## [NEW: The 2009 H1N1 Pandemic: Summary Highlights of CDC's Response, April 2009-April 2010](#)

This document summarizes key events of the 2009 H1N1 pandemic and CDC's response activities for historical purposes.

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

## **Center for Infectious Disease Research and Policy** [\[back to top\]](#)

### [Chest x-ray may underestimate infections](#) (2010-06-17)

To gauge the relationship between symptoms and signs of disease on radiographic tests, researchers reviewed records of 157 hospitalized patients who had confirmed pandemic H1N1 infections. Researchers report in the *British Journal of Radiology* that chest x-ray abnormalities were found in only 33% of cases and were linked to breathing difficulties. The test was less sensitive than computed tomography among immunocompromised patients.

### [Autopsy study finds unique traits of H1N1 flu](#) (2010-06-17)

An autopsy study of H1N1 patients found peripheral pulmonary vascular thrombosis occurred in 5 of the 8 fatal cases, compared with 3 of 8 controls, according to an *American Journal of Clinical Pathology* report. Researchers also found cytophagocytosis in all of the flu-related cases. They found that the two features distinguished H1N1 cases from other flu types and that hemophagocytic syndrome should be suspected in severe H1N1 patients.

### [London reviews its pandemic flu response](#) (2010-06-16)

A report today from the London Assembly gave high marks to the local pandemic response, but listed several areas for improvement. The report, based on several meetings of health officials, said the pandemic plan should have considered a range of severity scenarios and that antiviral distribution points weren't evenly dispersed. Requests for data from multiple agencies sometimes overburdened local officials, and more efforts were needed to reach vulnerable groups and improve immunization rates.

### [India's health ministry to probe increase in cases](#) (2010-06-16)

A team from India's health ministry will assess a rise in pandemic flu illnesses and deaths in Kerala state that occurred over the past month after a monsoon hit the area, Indo-Asian News Service reported yesterday. Since May 15, 201 cases and 16 deaths have been reported, of which 9 were pregnant women. An official said extra antiviral medication and vaccines are being deployed to the area. Four flu deaths were also recently reported from two other Indian states, Maharashtra and Karnataka.

### [Contrasting vaccine supplies in Malta, Kuala Lumpur](#) (2010-06-15)

Only 92,043 doses of pandemic H1N1 vaccine were dispensed in Malta, and the government has 239,620 remaining. No decision has been made on what to do with the leftovers. It is estimated that the country spent 2.5 to 3 million euros on the stockpile. The situation is reversed in Kuala Lumpur, Malaysia, according to [bernama.com](#), the country's national news agency. Only about 31,000 doses remain of the 400,000 purchased.

### [Record numbers vaccinated in New Zealand](#) (2010-06-15)

The health minister of New Zealand says more than 1 million in the country have received flu vaccinations this year, setting a record, according to the New Zealand Press Association (NZPA). Last year 960,000 people were vaccinated. This year's flu shot includes the H1N1 pandemic strain. Cases of flu-like illness have increased in New Zealand over the past 2 weeks, with 18 pandemic H1N1 cases so far this year, and health officials are continuing to promote vaccination.

### [Vietnam considers lowering H1N1 alert level](#) (2010-06-14)

The deputy minister of health in Vietnam has suggested lowering the alert level for pandemic H1N1 flu there, given that Vietnam has had no reports of the disease for more than 2 months. The World Health Organization (WHO) has not suggested this move, but the minister said the the health ministry had "heard" that the WHO had blown the pandemic out of proportion at the urging of pharmaceutical companies, an accusation the WHO strongly refutes.

### [Australian girl's autopsy shows no vaccine link](#) (2010-06-14)

Autopsy results show no evidence linking the April death of a 2-year-old Brisbane girl to the trivalent seasonal flu vaccine she had received a day earlier. But no clear cause of death was found, leaving some observers unconvinced. Because of increased adverse reactions, the seasonal vaccine is on hold for Australian children under 5. (*Note: An earlier version of this item wrongly indicated the girl had received monovalent pandemic H1N1 vaccine. H1N1 is included in the trivalent vaccine.*)

### [Seroconversion with oseltamivir prophylaxis](#) (2010-06-11)

Postexposure prophylaxis an effective way to mitigate pandemic flu outbreaks, says a study published today. The authors tested 237 military members in Singapore during and after oseltamivir prophylaxis. Infection occurred in 27 (11.4%), including 11 index cases and 16 people with a four-fold or more rise in antibody titers during treatment; 8 of these had symptoms and 8 did not. The authors say asymptomatic infections that occur during prophylaxis may confer protection against future infection.

### [Pandemic officially a year old](#) (2010-06-11)

Today marks the passage of a year since the World Health Organization (WHO) declared a pandemic of H1N1 influenza. WHO Director Margaret Chan declared phase 6 on Jun 11, 2009, about 7 weeks after the virus had surfaced. The WHO hesitated to take the step because of concern that it would cause undue alarm, given that H5N1 avian flu had led the public to associate "pandemic" with high death rates. Although H1N1 activity is now low in most of the world, the WHO has maintained the phase 6 alert.

### [Limited global pandemic cases continue](#) (2010-06-11)

This week's flu surveillance report from the WHO indicates active but declining H1N1 flu transmission in limited tropical areas--specifically Singapore, Malaysia, Bangladesh, and Cuba. As the Southern Hemisphere enters its winter season, early H1N1 activity has been noted in Chile and Uruguay, plus increasing but low levels of seasonal H3N2 and influenza B over South America and H3N2 in East Africa.

### [WHO defends pandemic actions, says rules need tightening](#) (2010-06-10)

The World Health Organization (WHO) replied at greater length today to recent criticism of the way it used science advisors in pandemic planning, defending its response to the H1N1 flu pandemic but allowing that its policies concerning transparency and relations with the pharmaceutical industry need strengthening.

### [Three countries report growing flu activity](#) (2010-06-10)

Some parts of India and Colombia are reporting increases in pandemic flu activity, along with some deaths, while New Zealand, which is beginning its regular flu season, is reporting a rise in flu-like illnesses, particularly in young children.

### [Much of Hong Kong vaccine to be tossed](#) (2010-06-10)

Only 200,000 of the 3 million H1N1 vaccine doses available in Hong Kong were administered, and the expiration date on the 2.8 million unused doses is approaching. The doses destined for the trash in October cost about \$28.2 million US. Hong Kong offered the vaccine free to health professionals, pregnant women, babies, the elderly, and patients at risk, but safety concerns in the population after several complications in recipients reduced demand.

### [Greece data profile two waves of H1N1](#) (2010-06-10)

Data gathered in Greece from May 18, 2009, through Feb 28, 2010, showed two waves of pandemic H1N1, a milder one in July-August and a stronger one that peaked Nov 23 to 29. A total of 18,075 lab-confirmed cases were reported, including 294 admissions to intensive care and 140 deaths. Of patients who died, 115 (82.1%) had at least one underlying medical condition, the most common being obesity, diabetes, and cardiovascular disease; 89 (63.5%) were under 60 years of age, with 8 (5.7%) under 19.

### [Studies examine H1N1 spread in military units, households](#) (2010-06-09)

When the H1N1 pandemic influenza began hitting Singapore's military forces last summer, health officials largely arrested its spread by giving oseltamivir to everyone in the affected units, in combination with other preventive steps, according to a report released today.

### [WHO director replies to \*BMJ\* critique of pandemic actions](#) (2010-06-08)

The head of the World Health Organization (WHO), responding today to recent criticism of WHO policies regarding conflicts of interest and transparency, said the agency needs to tighten its rules for relations with industry but insisted that commercial interests never influenced her decisions regarding the H1N1 influenza pandemic.

### [Expert warns against H1N1 complacency](#) (2010-06-08)

British virologist John Oxford stated at a recent Dublin conference that "It's too early to do a postmortem" on the pandemic H1N1 flu virus. He predicted it will cause trouble again in the coming winter. People need to be aware of how to limit its spread, and decisions need to be based on science, he said. As for vaccine, he stated, "It's no time to be complacent and say we wasted our money on vaccines, because we haven't. This is a virus that will be in the community for a long time."

### [Pandemic exposed gaps in Canada's planning](#) (2010-06-08)

Canada's response to the H1N1 pandemic was one of confusion, says a white paper being presented today at the World Conference on Disaster Management in Toronto. Serious gaps in the country's pandemic planning and unrealistic management guidelines were exposed, it says. Dr. Allan Holmes, who moderated the roundtable discussion on which the report was based, said a single pan-Canadian approach to planning is needed, along with a severity index to put future outbreaks in context.

### [Review shows Tamiflu safe, effective in babies](#) (2010-06-08)

Little is known about the safety and efficacy of oseltamivir (Tamiflu) in infants, but German researchers who reviewed cases of babies hospitalized with influenza found the drug yielded benefits similar to those in older children, though mild gastrointestinal symptoms were more common.

### [Pandemic review committee to look at new reports](#) (2010-06-08)

Dr Harvey Fineberg, chairman of the World Health Organization's (WHO's) pandemic review committee, said the group would consider new reports published by the *British Medical Journal* and the Council of Europe that are critical of the WHO's H1N1 response, Agence France-Presse reported today. He said the committee's second meeting will be Jun 30 to Jul 2 in Geneva. The two reports, dismissed by some experts, say conflicts of interest may have swayed WHO decisions on vaccines and antivirals.

### [German study compares summer, fall waves of cases](#) (2010-06-08)

A study of case-based surveillance in Germany suggests that school holidays and containment efforts may have led to differences in summer and fall 2009 pandemic flu waves, according to a report today in *BMC Infectious Diseases*. Increased fall spread didn't change risk groups or

severity, but the affected age-groups trended younger and the number of people with underlying medical conditions increased slightly. The authors said a case-based approach can help guide public health measures.

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

## **United Kingdom** [[back to top](#)]

[HPA Weekly National Influenza Report Summary of UK surveillance of influenza and other seasonal respiratory illnesses 17 June 2010 \(Week 24\)](#)

[HPA Weekly National Influenza Report Summary of UK surveillance of influenza and other seasonal respiratory illnesses 10 June 2010 \(Week 23\)](#)

[ARCHIVED] [Health Protection Agency swine influenza page](#)

## **Europe** [[back to top](#)]

[Systems previously installed are more effective during crisis: Influenza experts conclude](#) (2010-06-11)

During the Annual Meeting of the European Influenza Surveillance Network (EISN), participants concluded that based on “countries’ experiences, systems installed prior to a crisis are easier to activate and are more effective during the actual event.” The meeting report will be available shortly.

[Main surveillance developments in weeks 22–23 2010 \(31 May 2010–13 Jun 2010\)\\*](#)

\* From this point (week 23/2010) until week 40/2010, the influenza overview will be reported on a bi-weekly basis.

[Weekly influenza surveillance overview. Main surveillance developments in week 21/2010 \(24 May 2010 – 30 May 2010\)](#)

[Information from Member States, Candidates, EEA and EFTA countries](#) (Interactive map)

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

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

## **Australia and New Zealand** [[back to top](#)]

[Pandemic Influenza H1N1 2009 \(swine flu\) – Update 190](#)

[Pandemic Influenza H1N1 2009 \(swine flu\) – Update 189](#)

The number of consultations for influenza-like illness has been increasing slowly, particularly over the past two weeks. Many general practices are seeing more young children who are unwell. There is certainly evidence of winter illnesses in the community and the predominant influenza virus is likely to be the pandemic strain.

Healthline, New Zealand's free health 24 hour health advice line is also seeing a steady increase in the number of calls regarding people with influenza-like illnesses - there's been a noticeable increase in the number of people calling for advice about illness in young children.

[AUSTRALIAN INFLUENZA SURVEILLANCE REPORT No. 22, 2010.](#)  
[REPORTING PERIOD: 29 May 2010 – 4 June 2010](#)

[Influenza Surveillance Report No. 21 for the week ending 28 May 2010 \(PDF 257 KB\)](#)

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

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

## **Pan-American Health Organization** [\[back to top\]](#)

[Regional Update, Pandemic \(H1N1\) 2009](#). (Published on June 14, 2010)

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

## **World Health Organization (WHO)** [\[back to top\]](#)

[In focus: WHO responds to current critical scrutiny](#)

In a letter to BMJ editors dated 8 June 2010, the Director-General strongly refuted allegations of conflicts of interest leveled at WHO in a recent editorial and feature published in the medical journal. "At no time, not for one second, did commercial interests enter my decision-making", said the Director-General.

[The international response to the influenza pandemic: WHO responds to the critics](#)  
10 June 2010

[Pandemic \(H1N1\) 2009 - update 105](#)  
18 June 2010

[11 June 2010](#)  
Pandemic (H1N1) 2009 - update 104

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

[ARCHIVED] [Older WHO Updates](#)

## **Research Articles** [\[back to top\]](#)

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

Brevia: [Reassortment of Pandemic H1N1/2009 Influenza A Virus in Swine\\*](#)  
Vijaykrishna D, Poon LLM, Zhu HC. Science. 2010 Jun 18;328(5985):1529.

Letter: [Influenza Vaccination of Children and Infection Rates in the Community\\*](#)  
Small PA Jr, Morris JG Jr. JAMA. 2010 Jun 16;303(23):2355-6.

Reply: [Influenza Vaccination of Children and Infection Rates in the Community—Reply\\*](#)

Loeb M, Russell M, Earn DJD. 2010 Jun 16;303(23):2356.

News: [WHO admits to “inconsistencies” in its policy on conflicts of interest\\*](#)

Kmietowicz Z. BMJ. 2010 Jun 15. 340:c3167.

[2009 pandemic influenza A\(H1N1\) virus in Scotland: geographically variable immunity in Spring 2010, following the winter outbreak](#)

Adamson WE, Maddi S, Robertson C, McDonagh S, Molyneaux PJ, Templeton KE, Carman WF. Euro Surveill. 2010;15(24):pii=19590.

[Transmissibility of 2009 pandemic influenza A\(H1N1\) in New Zealand: effective reproduction number and influenza of age, ethnicity and importations](#)

Paine S, Mercer GN, Kelly PM, Bandaranayake D, Baker MG, Huang QS, Mackereth G, Bissielo A, Glass K, Hope V. Euro Surveill. 2010;15(24):pii=19591.

Editorial: [Influenza vaccination: lessons learned from the pandemic \(H1N1\) 2009 influenza outbreak\\*](#)

Openshaw PJ, Dunning J. Mucosal Immunol. 2010 Jun 16. [Epub ahead of print] No abstract available.

[2009 H1N1 Influenza in Hospitalized Transplant Recipients\\*](#)

Seville MT, Blair JE, Vikram HR, Kusne S. Transplantation. 2010 Jun 16. [Epub ahead of print]

[Enrolling pregnant women in research--lessons from the H1N1 influenza pandemic](#)

Goldkind SF, Sahin L, Gallaresi B. N Engl J Med. 2010 Jun 17;362(24):2241-3. No abstract available.

[Sensitivity of influenza rapid diagnostic tests to H5N1 and 2009 pandemic H1N1 viruses](#)

Sakai-Tagawa Y, Ozawa M, Tamura D, Le QM, Nidom CA, Sugaya N, Kawaoka Y. J Clin Microbiol. 2010 Jun 16. [Epub ahead of print]

[The duty to treat in the context of an influenza pandemic](#)

van der Weijden CP, Bredenoord AL, van Delden JJ. Vaccine. 2010 Jun 5. [Epub ahead of print]

[The 2009 A \(H1N1\) influenza virus pandemic: A review](#)

Girard MP, Tam JS, Assossou OM, Kieny MP. Vaccine. 2010 May 26. [Epub ahead of print]

Letter: [Possible life-threatening adverse reaction to monovalent H1N1 vaccine](#)

Bhurayanontachai R. Crit Care. 2010 Jun 4;14(3):422. [Epub ahead of print]

[Swine flu, doctors and pandemics: is there a duty to treat during a pandemic?](#)

Bennett B, Carney T, Saint C. J Law Med. 2010 May;17(5):736-47.

[Reconstructing disease outbreaks from genetic data: a graph approach](#)

Jombart T, Eggo RM, Dodd PJ, Balloux F. Heredity. 2010 Jun 16. [Epub ahead of print]

[Novel H1N1 influenza and Panton-Valentine leukocidin Staphylococcus aureus necrotizing pneumonia\\*](#)

Barrett N, Armstrong-James D, Edgeworth J, Wyncoll D. Br J Hosp Med (Lond). 2010 Jun 9;71(6):350-351.

[Autopsy Findings in Eight Patients With Fatal H1N1 Influenza\\*](#)

Harms PW, Schmidt LA, Smith LB, et al. Am J Clin Pathol. 2010 Jul;134(1):27-35.

[Pulmonary imaging of pandemic influenza H1N1 infection: relationship between clinical presentation and disease burden on chest radiography and CT\\*](#)

Abbo L, Quartin A, Morris MI, et al. Br J Radiol. 2010 Jun 15. [Epub ahead of print]

[Molecular Evolutionary Analysis of the Influenza A\(H1N1\)pdm. May-September, 2009: Temporal and Spatial Spreading Profile of the Viruses in Japan](#)

Shiino T, Okabe N, Yasui Y, et al. PLoS One. 2010 Jun 10;5(6):e11057.

[2009 Seasonal and H1N1 influenza vaccination compliance in asthmatic children and adults](#)

Leo HL, Clark SJ, Butchart AT, Singer DC, Clark NM, Davis MM. J Allergy Clin Immunol. 2010 May 21. [Epub ahead of print] No abstract available.

[Seroepidemiological studies of pandemic influenza A \(H1N1\) 2009 virus](#)

Wkly Epidemiol Rec. 2010 Jun 11;85(24):229-35. English, French. No abstract available.

Editorial: [Vaccinate before the next pandemic?\\*](#)

Stöhr K. Nature. 2010 May 13;465(7295):161. No abstract available.

[A pandemic response to a disease of predominantly seasonal intensity](#)

Collignon PJ. Med J Aust. 2010 Mar 15;192(6):358. No abstract available.

[GM-CSF Increases Mucosal and Systemic Immunogenicity of an H1N1 Influenza DNA Vaccine Administered into the Epidermis of Non-Human Primates](#)

Loudon PT, Yager EJ, Lynch DT, et al. PLoS One. 2010 Jun 8;5(6):e11021.

[Detection of Extensive Cross-Neutralization between Pandemic and Seasonal A/H1N1 Influenza Viruses Using a Pseudotype Neutralization Assay](#)

Labrosse B, Tourdjman M, Porcher R, Legoff J, de Lamballerie X, Simon F, Molina JM, Clavel F. PLoS One. 2010 Jun 9;5(6):e11036.

[Live attenuated influenza virus vaccines by computer-aided rational design](#)

Mueller S, Coleman JR, Papamichail D, Ward CB, Nimnual A, Fitcher B, Skiena S, Wimmer E. Nat Biotechnol. 2010 Jun 13. [Epub ahead of print]

[Grid-based International Network for Flu Observation \(g-INFO\)\\*](#)

Doan TT, Bernard A, Da-Costa AL, Bloch V, Le TH, Legre Y, Maigne L, Salzemann J, Sarramia D, Nguyen HQ, Breton V. Stud Health Technol Inform. 2010;159:215-26.

[Engineering responses to pandemics\\*](#)

Larson RC, Nigmatulina KR. Stud Health Technol Inform. 2010;153:311-39.

[Influenza Virus Evolution, Host Adaptation, and Pandemic Formation](#)

Taubenberger JK, Kash JC. Cell Host Microbe. 2010 Jun 25;7(6):440-451.

[Protection of trivalent inactivated influenza vaccine against hospitalizations among pandemic influenza A \(H1N1\) cases in Argentina\\*](#)

Orellano PW, Reynoso JI, Carlino O, Uez O. Vaccine. 2010 Jun 9. [Epub ahead of print]

[Immune response after a single vaccination against 2009 influenza A H1N1 in hemodialysis patients\\*](#)

Temiz G, Kasifoglu N, Kiris A, Ozturk S, Sahin G, Yalcin AU, Us T. Ren Fail. 2010 Jul;32(6):716-20.

[An adjuvant for the induction of potent, protective humoral responses to an H5N1 influenza vaccine with antigen-sparing effect in mice\\*](#)

Lau YF, Tang LH, McCall AW, Ooi EE, Subbarao K. J Virol. 2010 Jun 10. [Epub ahead of print]

[Seasonal Influenza Vaccination Coverage Among Local Health Department Personnel in North Carolina, 2007-2008\\*](#)

Kent JN, Lea CS, Fang X, Novick LF, Morgan J. Am J Prev Med. 2010 May 25. [Epub ahead of print]

[Identifying areas for infectious animal disease surveillance in the absence of population data: Highly pathogenic avian influenza in wild bird populations of Europe\\*](#)

Iglesias I, Perez AM, De la Torre A, Muñoz MJ, Martínez M, Sánchez-Vizcaino JM. Prev Vet Med. 2010 May 26. [Epub ahead of print]

[Seroconversion and asymptomatic infections during oseltamivir prophylaxis against Influenza A H1N1 2009](#)

Lee VJ, Yap J, Tay JK, Barr I, Gao Q, Ho HJ, Tan BH, Kelly PM, Tambyah PA, Kelso A, Chen MI. BMC Infect Dis. 2010 Jun 10;10(1):164. [Epub ahead of print]

[Travel-Related Influenza A/H1N1 Infection at a Rock Festival in Hungary: One Virus May Hide Another One\\*](#)

Botelho-Nevers E, Gautret P, Benarous L, Charrel R, Felkai P, Parola P. J Travel Med. 2010 May; 17(3):197-8.

[Ecology of avian influenza viruses in a changing world\\*](#)

Vandegrift KJ, Sokolow SH, Daszak P, Kilpatrick AM. Ann N Y Acad Sci. 2010 May;1195:113-28.

[Proteomics search of influenza A viruses for adaptive mutations to human hosts\\*](#)

Furuse Y, Oshitani H. Expert Rev Proteomics. 2010 Jun;7(3):323-6.

[A new common mutation in the hemagglutinin of the 2009 \(H1N1\) influenza A virus](#)

Maurer-Stroh S, Lee RT, Eisenhaber F, Cui L, Phuah SP, Lin RT. PLoS Curr Influenza. 2010 Jun 1:RRN1162.

[Deaths and Hospitalizations Related to 2009 Pandemic Influenza A \(H1N1\) --- Greece, May 2009--February 2010](#)

Centers for Disease Control and Prevention (CDC). MMWR Morb Mortal Wkly Rep. 2010 Jun 11;59(22):682-6.

[An Outbreak of Novel Influenza A \(H1N1\) in the English Language Institute](#)

Kim JH, Lee HS, Park HK, Kim JS, Lee SW, Kim SS, Lee JK. J Prev Med Public Health. 2010 May; 43(3):274-8.

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