

# pH1N1 Flu Virus (Human Swine Influenza) Information Resources

*Current as of December 23, 2009 at 4pm*

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## Highlights

CDC: [NEW: Voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza](#)

WHO: [Pandemic \(H1N1\) 2009 - update 80](#)

## Literature -----

PLoS: [Next Generation Syndromic Surveillance: Molecular Epidemiology, Electronic Health Records and the Pandemic Influenza A \(H1N1\) Virus.](#)

[Swine origin influenza A \(H1N1\) virus and ICU capacity in the US: Are we prepared?](#)

[Transmission of influenza virus in temperate zones is predominantly by aerosol, in the tropics by contact: A hypothesis.](#)

Vaccine: [Immunogenicity and safety in adults of one dose of influenza A H1N1v 2009 vaccine formulated with and without AS03<sub>A</sub>-adjuvant: Preliminary report of an observer-blind, randomized trial \\*](#)

MMWR: [Intent to Receive Influenza A \(H1N1\) 2009 Monovalent and Seasonal Influenza Vaccines --- Two Counties, North Carolina, August 2009](#)

[Impact of Seasonal Influenza-Related School Closures on Families --- Southeastern Kentucky, February 2008](#)

## News -----

Canadian Press: [Potential pandemic legacy: Easier future flu seasons](#)

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### Updates by Jurisdiction

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[Ontario Ministry of Health and Long-Term Care \(MOHLTC\)](#)  
[Ontario Agency for Health Promotion and Protection \(OAHPP\)](#)

#### **Canada**

[Public Health Agency of Canada \(PHAC\)](#)

#### **United States**

[Centers for Disease Control and Protection \(CDC\)](#)  
[Center for Infectious Disease Research & Policy](#)  
[Other US Sources](#)

#### **Europe**

[United Kingdom's Health Protection Agency \(HPA\)](#)  
[UK Department of Health](#)  
[European Centre for Disease Control and Prevention \(ECDC\)](#)  
[European Union](#)

#### **International**

[World Health Organization \(WHO\)](#)  
[Pan American Health Organization \(PAHO\)](#)  
[Australia and New Zealand](#)

#### **Other Resources**

[Consumer Health Information Resources](#)  
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[Clinical and Public Health Practice Tools](#)  
[Historical Resources](#)  
[Travel Advisories](#)

## Events

### Current / Upcoming

- [FEB 3-5] [International Symposium on Neglected Influenza Viruses](#)  
February 3-5, 2010 | Amelia Island, Florida  
Sponsor: International Society for Influenza and other Respiratory Virus Diseases  
**Contact:**  
Gregory C. Gray, MD, MPH | Phone: (319) 384-5008 | [gregory-gray@uiowa.edu](mailto:gregory-gray@uiowa.edu)
- [ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online learning program for health professionals
- To access the program:  
[www.mdBriefCase.com](http://www.mdBriefCase.com) (for physicians)  
[www.rxBriefCase.com](http://www.rxBriefCase.com) (for pharmacists)  
[www.AdvancingIn.com](http://www.AdvancingIn.com) (for nurses and other healthcare professionals)

### Archived

- [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](http://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

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

- [DEC 18] [Ontario Influenza Bulletin Surveillance Week 49 \(December 06, 2009–December 12, 2009\)](#)  
For the surveillance period of December 6 to December 12, 2009 :
- Influenza activity in Ontario was lower compared to the previous week.
  - Slightly more patients reporting influenza-like symptoms consulted sentinel physicians this week than the previous week.
  - The rate of influenza-like illness (ILI) in patients seen by sentinel physicians is similar to what is expected based on the average rate at this time of year for past seasons.

- No health units reported widespread influenza activity for the current reporting week. One health unit reported localized influenza activity and 15 health units reported sporadic influenza activity.
- There are 8,686 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).

[DEC 15] [Flu vaccine opportunities expand : now available thru workplace clinics.](#)

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

### Important Health Notices / Avis de santé important

[NOV 13] [Information for Health Care Providers – pH1N1 Update](#)

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

[DEC 14] [Ontario Agency for Health Protection and Promotion Laboratory Pandemic H1N1 Surveillance Report December 7<sup>th</sup>](#)

[DEC 09] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Dec 4, 2009\)](#)

[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.*

[DEC 18] [FluWatch: December 6, 2009 to December 12, 2009](#)

- On week 49, the overall influenza activity continued to decline for the fourth consecutive week in Canada.
- The ILI consultation rate was below the expected range for this time of the year and only 6.6% of the specimens tested were positive for influenza. The Pandemic (H1N1) 2009 strain still accounted for nearly 100% of the positive influenza A subtyped specimens this week.
- The number of hospitalized cases (159 vs. 307), ICU admissions (40 vs. 83) and deaths (21 vs. 33) reported this week are about half of those reported last week. Among reporting provinces and territories (PTs) this week, hospitalized cases occurred in only six provinces (BC, AB, SK, ON, QC & NS). Deaths reported this week were also from the same five provinces except MB (BC, AB, SK, MB, ON & QC).
- From August 30 to December 12, 2009, a total of 6,779 hospitalized cases including 1,081 (15.9%) cases admitted to an intensive care unit (ICU) as well as 313 (4.6%) deaths had been reported.

[DEC 18] [Vaccine Surveillance Report](#)

[DEC 17] [Holiday Health Tips](#)

- [DEC 17] [Travellers and the H1N1 Flu Virus](#)
- [DEC 17] [Deaths Associated with H1N1 flu virus in Canada](#)
- New deaths reported Dec 15 – Dec 17 11h00 EDT: 7
  - Cumulative total: 397
- [DEC 15] [Guidance: Infection Prevention and Control Measures for Occupational Health Management for all Health Care Settings](#)
- [ARCHIVED] [Previous PHAC documents and updates](#)

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



- [DEC 23] [NEW: Voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza](#)  
This document provides several questions and answers regarding the recent MedImmune voluntary Non-Safety-Related Recall of Specific Lots of Nasal Spray Vaccine for 2009 H1N1 Influenza
- [DEC 22] [Treat Dry Cough](#)  
Describes how to treat dry cough.
- [DEC 22] [Treat Other Flu Symptoms](#)  
Describes how to treat other flu symptoms, such as sore throat, chills, aches, pains, congestion, and stomach problems.
- [DEC 22] [Treat Fever](#)  
Describes how to treat fever.
- [DEC 22] [When to Get Medical Help for Fluid Loss](#)  
Describes when to get help for fluid loss.
- [DEC 22] [Check for Fluid Loss](#)  
Describes ways to check for dehydration.
- [DEC 22] [Tips to Prevent Fluid Loss \(Dehydration\)](#)  
Describes tips to prevent dehydration.
- [DEC 22] [Flu Germs are Spread from Person to Person](#)  
Describes how the flu is spread and how to keep yourself and others healthy during flu season.
- [DEC 22] [Know the Emergency Warning Signs](#)  
Describes "emergency warning signs" in adults and children that should signal anyone to seek medical care urgently.
- [DEC 22] [Know the Symptoms of Flu](#)  
Describes symptoms that people who have the flu often feel and how long people with the flu should stay at home.

- [DEC 22] [2009 H1N1 Flu May Be More Serious for Some](#)  
Describes people at high risk for developing flu-related complications.
- [DEC 22] [About 2009 H1N1 Flu](#)  
Describes 2009 H1N1 flu and five steps to take if you get 2009 H1N1 flu or seasonal flu.
- [DEC 22] [UPDATED: What You Should Know and Do this Flu Season If You Are 65 Years and Older](#)  
Revised fact sheet for people 65 and older to reflect the fact that supplies of the vaccine to protect against the 2009 H1N1 virus are increasing and many places have opened up vaccination to anyone who wants it. CDC is now encouraging those who have been patiently waiting to receive the 2009 H1N1 vaccine, including people 65 and older, to get vaccinated depending on local supply.
- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) Fact Sheet for Patients \(PDF\)](#)  
Revised Fact Sheet for Patients to reflect new amendment for rRT-PCR Swine Flu Panel (also referred to as Swine Flu Test Kit), authorized by FDA on December 18, 2009.
- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) Fact Sheet for Health Care Providers \(PDF\)](#)  
Revised Fact Sheet for Health Care Providers to reflect new amendment for rRT-PCR Swine Flu Panel (also referred to as Swine Flu Test Kit), authorized by FDA on December 18, 2009.
- [DEC 21] [Update: FDA-Issued rRT-PCR Swine Flu Panel \(also referred to as Swine Flu Test Kit\) EUA Letter \(PDF\)](#)  
Revised EUA Letter to reflect new amendment for rRT-PCR Swine Flu Panel (also referred to as Swine Flu Test Kit), authorized by FDA on December 18, 2009.
- [DEC 21] [UPDATED: Vaccine Information for Clinicians and Health Care Professionals](#)  
Supplies of the vaccines to protect against the 2009 H1N1 virus are increasing. Providers are encouraged to open up vaccination to anyone who wants it as soon as the needs of the initial prioritized populations have been met. Many places have already opened up vaccination to anyone who wants it and CDC is encouraging people who have been patiently waiting to receive the 2009 H1N1 vaccine to get vaccinated now. Influenza is unpredictable, but flu is expected to continue for months, caused by either 2009 H1N1 viruses or regular seasonal flu viruses. This vaccine is the best way to protect against the 2009 H1N1 pandemic virus
- [DEC 18] [FluView: 2009-2010 Influenza Season Week 49 ending December 12, 2009](#)  
During the week of December 6, 2009-December 12, 2009, flu activity declined in the United States as reported in FluView. The number of states reporting widespread flu activity decreased from 14 to 11.
- [DEC 18] [UPDATE: Influenza and Pneumonia-Associated Hospitalizations and Deaths from August 30 to December 12, 2009](#)

- [DEC 17] [NEW: Updated Interim Recommendations: Special Considerations for Clinicians Regarding 2009 H1N1 Influenza in Severely Immunosuppressed Patients](#)
- [DEC 15] [Non-Safety-Related Voluntary Recall of Certain Lots of Sanofi Pasteur H1N1 Pediatric \(0.25 mL, for 6-35 month olds\) Vaccine in Pre-Filled Syringes: Questions & Answers](#)
- [ARCHIVED] [Previous CDC documents and updates](#)

## Other US Sources

- [DEC 16] [US Government Accountability Office \(GAO\): Monitoring and Assessing the Status of the National Pandemic Implementation Plan Needs Improvement](#)
- [DEC 15] Trust for America's Health: [Ready or not? Protecting the public's health from diseases, disasters, and bioterrorism, 2009](#)

## Center for Infectious Disease Research and Policy



- [DEC 22] [Most parents able to get vaccine for their kids](#)  
A new poll by the Harvard School of Public Health found that three quarters of parents who sought H1N1 vaccine for their children got it, according to a Harvard press release. The poll, conducted Dec 16 and 17, showed that 6 in 10 parents have gotten or expect to get their children vaccinated. The share of respondents concerned that they or a family member would get the flu was 40%, down from a high of 52% in September. Fifty-five percent of adults said they didn't intend to get the vaccine. [[Dec 22 Harvard news release](#)]



- [DEC 22] [WHO: Deaths don't tell whole story of severity](#)  
The World Health Organization (WHO) today addressed the difficulty of assessing the severity of the H1N1 pandemic by comparing H1N1 fatality counts with seasonal flu counts. In a briefing note, the agency said that such comparisons can be misleading because death tolls from seasonal flu are estimates, whereas death numbers for the pandemic usually represent confirmed fatal cases. Such comparisons can also mislead because H1N1 has a greater impact on young people than seasonal flu does. [[Dec 22 WHO briefing note](#)]



- [DEC 22] [Potential pandemic legacy: Easier future flu seasons](#)  
The vast, rapid spread of the H1N1 flu virus could produce unexpected benefits if it displaces current seasonal flu strains, the Canadian Press reported. If the novel H1N1, an influenza A strain, replaced either or both of the current seasonal A strains, H3N2 and an older H1N1, that could lead to lesser mortality, less resistance to antiviral drugs, fewer nursing-home outbreaks, and vaccines with fewer components. [[Dec 21 Canadian Press story](#)]



[DEC 22] [Study probes low H1N1 mortality in Japan](#)  
Despite widespread transmission of H1N1 flu, Japan had only 85 confirmed deaths as of Dec 1, according to researchers writing in *PLoS Currents*. They report that most cases and hospitalizations have occurred in children aged 5 to 14 years, who are very susceptible to infection but have a very low case-fatality rate. The fatality rate is higher in small children and older adults. Aggressive school closures may have reduced transmission to the latter two age-groups, the authors suggest. [[PLoS Currents report](#)]



[DEC 22] [WHO clears Novartis vaccines for developing world](#)  
The WHO has prequalified all three H1N1 vaccines made by Novartis to be supplied to United Nations agencies for use in the developing world, the company announced yesterday. The vaccines are Celtura and Focetria, both of which contain the MF59 adjuvant, and a nonadjuvanted vaccine based on the Fluvirin seasonal vaccine. The WHO previously prequalified an adjuvanted H1N1 vaccine made by GlaxoSmithKline. [[Dec 21 Novartis press release](#)]



[DEC 22] [South Korea mulls more aid for North Korea](#)  
In the wake of recent shipments of antiviral medication to North Korea, the government of South Korea is considering sending more assistance, Agence France-Presse (AFP) reported yesterday. A South Korean official said aid may be channeled through agencies such as the United Nation's Children's Fund, Yonhap news agency reported. On Dec 18, South Korea shipped 500,000 antiviral treatment courses to North Korea, the first direct aid in about 2 years. [[Dec 21 AFP story](#)]

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

## Health Protection Agency (UK)

[DEC 22] Update to [Swine Flu: Frequently Asked Questions](#)

[DEC 18] [New Advice for Health Professionals: Inpatient clinical management issues relating to oseltamivir-resistant pandemic \(H1N1\) 2009 influenza virus](#)

[DEC 18] [New advice for health professionals: Antiviral susceptibility testing of pandemic \(H1N1\) 2009 influenza viruses.](#)

[DEC 18] [New advice for health professionals: Pandemic \(H1N1\) 2009 influenza testing in the critical care setting.](#)

[DEC 18] [New advice for health professionals: Oseltamivir-resistant pandemic \(H1N1\) 2009 influenza case and cluster investigation.](#)

[DEC 17] [Weekly Pandemic Flu Media Update](#)

- The consultation rate for flu-like illness in England from the Royal College of General Practitioners (RCGP) scheme has decreased slightly to 29.7 per 100,000 in week 50 compared to 33.1 in week 49. This is just below the English baseline threshold of 30/100,000.



- The estimated cases self referring to the National Pandemic Flu Service have shown decreases in all areas of assessments, authorisations and collections. This is across all regions and most age groups.
- Interpretation of data to produce estimates on the number of new cases continues to be subject to a considerable amount of uncertainty. HPA modelling gives an estimate of 9,000 new cases in England last week (range 5,000 to 19,000) which represents a small decrease from the previous week.  
*This estimate incorporates data from National Pandemic Flu Service and GP consultations.*
- The HPA estimates a cumulative total number of cases of 780,000 (with a range 370,000 to 1,625,000) since the pandemic began.

[DEC 17] [Weekly Epidemiological Update: 17 December 2009 \(Week 51\)](#)

[ARCHIVED] [Swine Influenza page](#)

## Department of Health (UK)

[DEC 16] [A \(H1N1\) swine flu influenza: phase two of the vaccination programme; children over 6 months and under 5 years: dosage schedule update](#)

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

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



[DEC 23] [Daily update – Pandemic H1N1 2009 \(Dec 23 2009\)](#)

Update and WISO for Holiday period;  
During the Holiday Period (24 December, 2009 to 3 January, 2010) and the following week (4-8 January, 2010), ECDC will follow a modified weekday publication schedule for the regular ECDC 2009 influenza A (H1N1) pandemic newsletters. No newsletters will be produced on the Friday 25th of December (Christmas Day) or Wednesday the 6th of January (Epiphany), which are ECDC and Public Holidays in Sweden.

During the above mentioned period, the ECDC ), Daily Update will be published during the regular weekdays 31st of December (New Years Eve), but released at 14:00 in the afternoon (2 pm) instead of the regular time of 9:00 in the morning.

The ECDC Weekly Influenza Surveillance Overview (WISO) will be produced on Thursday the 24th of December. The next WISO is scheduled for Friday the 8th of January. An additional WISO will be produced on either the 31<sup>st</sup> (New Years Eve) or Tuesday the 5th of January. The New Years Eve WISO issue is produced only if major changes in the situation are detected. Otherwise it will be postponed to be released on the 5th of January, 2010.

The regular schedule for the ECDC 2009 influenza A (H1N1) pandemic newsletters will resume on Monday the 11<sup>th</sup> January, 2010.

- Reminder of schedules for ECDC Daily Update and WISO for Holiday period;
- WHO update: Pandemic (H1N1) 2009 briefing note 20
- Swedish vaccination coverage estimated at 61 per cent, may exceed 70
- European Medicines Agency report to be released on the 23rd of December
- A total of 1 702 fatal cases in Europe and EFTA countries and 10 496 in the rest of the world have been reported up to date

[DEC 21] [ECDC Executive Update Pandemic influenza \(H1N1\) 2009 Issue 23 Monday, 14 December 2009](#)

[DEC 18] [Weekly Influenza Surveillance Overview \(Dec 7-13\)](#)

[DEC 17] [ECDC Risk Assessment – Pandemic H1N1 – Update 7](#)

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

## European Union

[DEC 10] [A note of the Health Security Committee - Early Warning Response System contact point audio-meeting, 9 December](#)

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

## Pan-American Health Organization (PAHO)

[DEC 16] [Regional Update. Pandemic \(H1N1\) 2009 \(Dec14\)](#)

- In North America, acute respiratory disease activity continued to decrease and is lower than expected in some areas
- In the Caribbean, unchanged and decreasing trends in acute respiratory disease were reported
- Central America reported decreasing or unchanged trends in acute respiratory disease
- South America reported decreasing or unchanged trends of acute respiratory disease
- A median of 99.8% of subtyped influenza A viruses in North America were pandemic (H1N1) 2009

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

## Australia and New Zealand

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

[DEC 23] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 166](#)

[DEC 21] [Australian Influenza Surveillance Summary Report No.30, 2009, Reporting Period: 05 December 2009 – 11 December 2009](#)

As at 11 December 2009, there had been 37,484 confirmed cases of pandemic (H1N1) 2009 and 191 deaths reported in Australia.

[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.



[DEC 23] [Pandemic \(H1N1\) 2009 - update 80](#)

[DEC 22] [Comparing deaths from pandemic and seasonal influenza](#)  
Pandemic (H1N1) 2009 briefing note 20

[DEC 21] [Transcript of the 17 December 2009 press briefing](#)

[DEC 18] [Pandemic \(H1N1\) 2009 - update 79](#)

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

[ARCHIVED] [Older WHO Updates](#)

## International Society for Infectious Diseases

[NOV 25] ProMed Posting: [Comments re: Influenza pandemic \(H1N1\) 2009 \(115\): USA \(WV\), repeat infection](#)

Out correspondents suggest 2 explanations for this case of pandemic (H1N1) 2009 virus reinfection in a mother and son. Dr Lenoir's observations suggest that reinfection may on occasion be a consequence of transient immune suppression, whereas Professor Tang cites evidence that reinfection may occur more frequently than currently supposed.

## 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)



- [DEC 23] [Immunogenicity and safety in adults of one dose of influenza A H1N1v 2009 vaccine formulated with and without AS03<sub>A</sub>-adjuvant: Preliminary report of an observer-blind, randomized trial](#) \*

Roman F, Vaman T, Gerlach B, Markendorf A, Gillard P, Devaster JM. Vaccine, Article in Press, Uncorrected Proof. doi:10.1016/j.vaccine.2009.12.014



- [DEC 23] [Intent to Receive Influenza A \(H1N1\) 2009 Monovalent and Seasonal Influenza Vaccines --- Two Counties, North Carolina, August 2009](#)

MMWR December 25, 2009 / 58(50);1401-1405



- [DEC 23] [Impact of Seasonal Influenza-Related School Closures on Families --- Southeastern Kentucky, February 2008](#)

MMWR December 25, 2009 / 58(50);1405-1409



- [DEC 23] [Breaking the Waves: Modelling the Potential Impact of Public Health Measures to Defer the Epidemic Peak of Novel Influenza A/H1N1.](#)

An der Heiden M, Buchholz U, Krause G, Kirchner G, Claus H, Haas WH. PLoS One. 2009 Dec 21;4(12):e8356.PMID: 20027293 [PubMed - in process]



- [DEC 23] [Pandemic Influenza H1N1 2009, Innate Immunity, and the Impact of Immunosenescence on Influenza Vaccine.](#) \*

Joshi SR, Shaw AC, Quagliarello VJ. Yale J Biol Med. 2009 Dec;82(4):143-51.PMID: 20027279 [PubMed - in process]



- [DEC 23] [Human host factors required for influenza virus replication.](#)

König R, Stertz S, Zhou Y, Inoue A, -Heinrich Hoffmann H, Bhattacharyya S, et al. Nature. 2009 Dec 21. [Epub ahead of print]PMID: 20027183 [PubMed - as supplied by publisher]



- [DEC 23] [H1N1 Influenza in Pregnancy: Cause for Concern.](#) \*

Spradlin TL, Clardy BH, Payne EM, Vinson J. Obstet Gynecol. 2010 Jan;115(1):185. No abstract available. PMID: 20027058 [PubMed - in process]



- [DEC 23] [H1N1 Influenza in Pregnancy: Cause for Concern.](#) \*

Saleeby E, Chapman J, Morse JE, Bryant A. Obstet Gynecol. 2010 Jan;115(1):185-6. No abstract available. PMID: 20027057 [PubMed - in process]



- [DEC 23] [H1N1 Vaccine for Prevention of Pandemic Influenza.](#) \*

[No authors listed] Obstet Gynecol. 2010 Jan;115(1):173-4. No abstract available. PMID: 20027051 [PubMed - in process]



[DEC 23] [Pandemic influenza A \(H1N1\) 2009: the experience of the first six months.\\*](#)  
Maritz J, Maree L, Preiser W. Clin Chem Lab Med. 2009 Dec 22. [Epub ahead of print]PMID: 20025556 [PubMed - as supplied by publisher]



[DEC 23] [Pandemic influenza dynamics and the breakdown of herd immunity.](#)  
Katriel G, Stone L. PLoS Curr Influenza. 2009 Oct 1:RRN1046.PMID: 20025204 [PubMed - as supplied by publisher]



[DEC 23] [Point of Care strategy for rapid diagnosis of novel A/H1N1 influenza virus.](#)  
Nougairede A, Ninove L, Zandotti C, De Lamballerie X, Gazin C, Drancourt M, et al. PLoS Curr Influenza. 2009 Sep 21:RRN1039.PMID: 20025202 [PubMed - as supplied by publisher]



[DEC 23] [Behavioural responses to influenza pandemics: What do we know?](#)  
Balinska M, Rizzo C. PLoS Curr Influenza. 2009 Sep 9:RRN1037.PMID: 20025201 [PubMed - as supplied by publisher]



[DEC 23] [Social versus independent interest in 'bird flu' and 'swine flu'](#)  
Bentley RA, Ormerod P. PLoS Curr Influenza. 2009 Sep 3:RRN1036.PMID: 20025200 [PubMed - as supplied by publisher]



[DEC 23] [Spatiotemporal dynamics in the early stages of the 2009 A/H1N1 influenza pandemic.](#)  
Jombart T, Eggo RM, Dodd P, Balloux F. PLoS Curr Influenza. 2009 Aug 31:RRN1026.PMID: 20025199 [PubMed - as supplied by publisher]



[DEC 23] [Swine origin influenza A \(H1N1\) virus and ICU capacity in the US: Are we prepared?](#)  
Zilberberg MD, Sandrock C, Shorr A. PLoS Curr Influenza. 2009 Aug 22:RRN1009.PMID: 20025198 [PubMed - as supplied by publisher]



[DEC 23] [Transmission of influenza virus in temperate zones is predominantly by aerosol, in the tropics by contact: A hypothesis.](#)  
Lowen A, Palese P. PLoS Curr Influenza. 2009 Aug 17:RRN1002.PMID: 20025197 [PubMed - as supplied by publisher]



[DEC 23] [Adaptive vaccination strategies to mitigate pandemic influenza: Mexico as a case study.](#)  
Chowell G, Viboud C, Wang X, Bertozzi S, Miller M. PLoS Curr Influenza. 2009 Aug 17:RRN1004.PMID: 20025196 [PubMed - as supplied by publisher]



[DEC 23] [The early molecular epidemiology of the swine-origin A/H1N1 human influenza pandemic.](#)  
Rambaut A, Holmes E. PLoS Curr Influenza. 2009 Aug 18:RRN1003.



- [DEC 23] [Next Generation Syndromic Surveillance: Molecular Epidemiology, Electronic Health Records and the Pandemic Influenza A \(H1N1\) Virus.](#)  
Rabadan R, Calman Md N, Hripcsak G. PLoS Curr Influenza. 2009 Aug 22:RRN1012.PMID: 20025193 [PubMed - as supplied by publisher]
- [DEC 22] [Clinical course of severe influenza-A/H1N1 infection with fulminant lung failure.\\*](#)  
Alb M, Thiel M, Kalenka A. Dtsch Med Wochenschr. 2010 Jan;135(1/02):40-42. Epub 2009 Dec 18. No abstract available. PMID: 20024884 [PubMed - as supplied by publisher]
- [DEC 22] [Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling.](#)  
The WHO Informal Network for Mathematical Modelling for Pandemic Influenza H1N1 2009 (Working Group on Data Needs). PLoS Curr Influenza. 2009 Dec 16:RRN1135.PMID: 20023711 [PubMed - as supplied by publisher]
- [DEC 22] [Clinical Management of Pandemic \(H1N1\) Infection.\\*](#)  
Hui DS, Lee N, Chan PK. Chest. 2009 Dec 18. [Epub ahead of print] PMID: 20022969 [PubMed - as supplied by publisher]
- [DEC 22] [How necessary is a fast testkit for mitigation of pandemic flu?\\*](#)  
Chin J, Koh G, Lee DY. J R Soc Interface. 2009 Dec 18. [Epub ahead of print] PMID: 20022897 [PubMed - as supplied by publisher]
- [DEC 22] [\[So, doctor, should I take the pandemic flu shot?\]\\*](#)  
Hanslik T, Kerneis S. Rev Med Interne. 2009 Dec 17. [Epub ahead of print] French. No abstract available. PMID: 20022413 [PubMed - as supplied by publisher]
- [DEC 22] [The pandemic influenza planning process in Ontario acute care hospitals.\\*](#)  
Zoutman DE, Ford BD, Melinyshyn M, Schwartz B. Am J Infect Control. 2009 Dec 17. [Epub ahead of print] PMID: 20022406 [PubMed - as supplied by publisher]
- [DEC 22] [Performance of laboratory diagnostics for the detection of influenza A\(H1N1\)v virus as correlated with the time after symptom onset and viral load.\\*](#)  
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- [OCT 26] [Hajj Pilgrims: Recommendations for travel](#)