

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of December 18, 2009 at 4pm

Highlights

- PHAC: [Travellers and the H1N1 Flu Virus](#)
[Holiday Health Tips](#)
- WHO: [Pandemic \(H1N1\) 2009 - update 79](#)
- CDC: [NEW: Updated Interim Recommendations: Special Considerations for Clinicians Regarding 2009 H1N1 Influenza in Severely Immunosuppressed Patients](#)
- HPA: [New Advice for Health Professionals: Inpatient clinical management issues relating to oseltamivir-resistant pandemic \(H1N1\) 2009 influenza virus](#)
- INSPQ: [Révision de l'avis du Comité sur l'immunisation du Québec sur la vaccination des femmes enceintes contre le virus pandémique influenza A \(H1N1\)](#)
[Mesures de prévention et contrôle de la grippe pandémique H1N1 lors d'une vague pandémique pour les établissements de soins aigus, les soins ambulatoires et les soins à domicile](#)
[Avis complémentaire concernant la vaccination contre le virus pandémique influenza A \(H1N1\) 2009 pour les enfants de 6 mois à 9 ans](#)

Literature -----

- PLoS: [Is a Mass Immunization Program for Pandemic \(H1N1\) 2009 Good Value for Money? Early Evidence from the Canadian Experience.](#)
- BMCPH: [Public perceptions of quarantine: community-based telephone survey following an infectious disease outbreak.](#)
- AJDM: [Lessons learned in implementing a 24/7 public health call center in response to H1N1 in the State of New Jersey.*](#)
- Cell: [The IFITM Proteins Mediate Cellular Resistance to Influenza A H1N1 Virus, West Nile Virus, and Dengue Virus](#)

News -----

[The Rest of the Flu Season: Anybody's Guess](#)

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Updates by Jurisdiction

Ontario

[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](#)
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[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
- [ONGOING] "H1N1 and Pregnancy: Key Considerations for Vaccination and Management": Online learning program for health professionals
- To access the program:
www.mdBriefCase.com (for physicians)
www.rxBriefCase.com (for pharmacists)
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.
- [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 11] [Ontario Influenza Bulletin Surveillance Week 48 \(November 29, 2009–December 05, 2009\)](#)
For the surveillance period of November 29 to December 05, 2009:
- Influenza activity in Ontario was lower compared to the previous week.
 - Fewer 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 has decreased to what is expected for this time of the year.

- No health units reported widespread influenza activity for the current reporting week. Four health units reported localized influenza activity and 20 health units reported sporadic influenza activity.
- Health units reported 95 new confirmed cases of H1N1 flu virus through the integrated Public Health System (iPHIS).

[DEC 04] [Ontario Expands Flu Immunization Program Seasonal and H1N1 flu shots now available to everyone](#)

[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 7th](#)

[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] [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](#)

[DEC 11] [FluWatch: November 29, 2009 to December 5, 2009](#)

- All FluWatch influenza indicators declined for at least the third consecutive week. The ILI consultation rate was even within the expected range for this time of the year.
- The Pandemic (H1N1) 2009 strain accounted for nearly 100% of the positive influenza A subtyped specimens this week.

- The intensity of Pandemic (H1N1) 2009 in the population was moderate. A decline has been experienced by all provinces and territories as indicated in the continued decreasing number of reported hospitalized cases (307 vs. 804), ICU admissions (83 vs. 139) and deaths (33 vs. 56) reported this week. Hospitalized cases occurred in all provinces and territories (PTs) that reported this week except YT while the deaths were from all PTs except NB, PE, NT and NU. From August 30 to December 5, 2009, a total of 6,621 hospitalized cases including 1,041 (15.7%) cases admitted to an intensive care unit (ICU) as well as 292 (4.4%) deaths had been reported

[DEC 09] [PSAs about H1N1](#)

[DEC 09] [Vaccine Surveillance Report](#)

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

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



[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](#)

[DEC 14] [UPDATE: H1N1 Flu \(Swine Flu\): Resources for Pregnant Women](#)

[DEC 14] [UPDATE: H1N1 Flu \(Swine Flu\): Resources for Obstetric Health Care Providers](#)

[DEC 11] [UPDATE: 2009 H1N1 Flu International Situation Update](#)

This report provides an update to the international situation as of December 11, 2009. The World Health Organization (WHO) continues to report updated 2009 H1N1 flu-associated laboratory-confirmed cases and deaths on its Web page.

[DEC 11] [FluView: 2009-2010 Influenza Season Week 48 ending December 5, 2009](#)

[DEC 11] Update: [U.S. Influenza -Associated Hospitalizations and Deaths from August 30 to December 5, 2009](#)

Cases Defined by	Hospitalizations	Deaths
Influenza Laboratory-Tests**	33,490	1,445

- [DEC 11] [NEW: In the News: Deaths related to 2009 H1N1 & American Indians and Alaskan Natives](#)
Questions and Answers on the 2009 H1N1 burden of mortality and American Indians and Alaska Natives.
- [DEC 09] [UPDATE: Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season](#)
- [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](#)
- [DEC 10] [NIAID Trial of 2009 H1N1 Influenza Vaccine Enrolling HIV-Positive Adults](#)
Adults with HIV infection are enrolling in a NIAID-sponsored clinical trial of 2009 H1N1 influenza vaccine to determine the optimal dosage of 2009 H1N1 vaccine for people with suppressed immunity caused by HIV/AIDS.
- [DEC 08] [The Severity of Pandemic H1N1 Influenza in the United States, from April to July 2009: A Bayesian Analysis](#)
Accurate measures of the severity of pandemic (H1N1) 2009 influenza (pH1N1) are needed to assess the likely impact of an anticipated resurgence in the autumn in the Northern Hemisphere.
- [DEC 08] [New York Autopsies Show 2009 H1N1 Influenza Virus Damages Entire Airway](#)
In fatal cases of 2009 H1N1 influenza, the virus can damage cells throughout the respiratory airway, much like the viruses that caused the 1918 and 1957 influenza pandemics, report researchers from the National Institutes of Health (NIH) and the New York City Office of Chief Medical Examiner.
- [DEC 07] [NIAID Clinical Trial of Pregnant and Non-Pregnant Women to Compare Responses Begins Recruitment](#)

Center for Infectious Disease Research and Policy



- [DEC 17] [Vaccine availability opens up as doses approach 100 million](#)
The nation is reaching a new milestone in its fight against pandemic flu, with the number of vaccine doses expected to reach 100 million by the end of the week and nearly half of states opening up immunization to anyone who wants it, federal officials said today.



[DEC 17] [Three Asian countries top list to get donated H1N1 vaccine](#)
Afghanistan, Azerbaijan, and Mongolia will be the first three countries to receive donated supplies of pandemic H1N1 vaccine funneled through the World Health Organization, the WHO announced today as it cautioned that it's too early to declare the pandemic over.



[DEC 17] [India suspects placental transmission of flu](#)
A finding of H1N1 flu infection in a newborn, tested immediately after delivery because her mother was ill, has led Indian health authorities to suspect placental transmission of the flu virus, according to The Hindu newspaper. Placental transmission of influenza is thought to be rare but has been recorded with the H5N1 avian flu virus.



[DEC 17] [Thailand, China report novel H1N1 in pigs, dogs](#)
Two countries recently confirmed novel H1N1 viruses in animals: Thailand in pigs and China in pigs and two dogs, according to reports filed with the World Organization for Animal Health (OIE). All cases were detected during enhanced surveillance. The Thai outbreak involved piglets at a farm in Saraburi province. In China the virus was detected in pigs at a slaughterhouse in Heilongjiang province and in dogs at an animal hospital in Beijing.

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

Health Protection Agency (UK)



[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: 03 December 2009 \(Week51\)](#)

[DEC 11] [Positivity rates from virological sampling](#)

[DEC 04] [Swine flu vaccination for pregnant women: frequently asked questions](#)

[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 18] [Daily update – Pandemic H1N1 2009 \(Dec 18 2009\)](#)

- A total of 1 570 fatal cases in Europe and EFTA countries and 10 307 in the rest of the world have been reported up to date.



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

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

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

[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](#)

[DEC 08] [Ministerial Statements London, United Kingdom - 4 December 2009 Tenth Ministerial Meeting Of The Global Health Security Initiative \(GHSI\)](#)

[DEC 07] [European Medicines Agency advises of risk of fever in young children following vaccination with Pandemrix \(Press release of Dec 4th, posted Dec 7th\)](#)

[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 16] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 165](#)

[DEC14] [Australian Influenza Surveillance Summary Report No.30, 2009, Reporting Period: 28 November 2009 – 04 December 2009](#)

As at 4 December 2009, there had been 37,462 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 18] [Pandemic \(H1N1\) 2009 - update 79](#)

[DEC 04] Weekly Epidemiological Report: [Pandemic influenza A \(H1N1\) 2009 virus vaccine – conclusions and recommendations from the October 2009 meeting of the immunization Strategic Advisory Group of Experts](#)

[DEC 03] [Transcript of the 3 December 2009 press briefing](#)

[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 18] [Is a Mass Immunization Program for Pandemic \(H1N1\) 2009 Good Value for Money? Early Evidence from the Canadian Experience.](#)
Sander B et al. PLoS Currents: Influenza. 2009. Published online 17 December 2009.



[DEC 18] [Quantifying the risk of pandemic influenza in pregnancy and Indigenous people in Australia in 2009.](#)
Kelly H, Mercer GN, Cheng AC.. Euro Surveill. 2009;14(50):pii=19441.



[DEC 18] [Enhanced Memory Responses to Seasonal H1N1 Influenza Vaccination of the Skin with the Use of Vaccine-Coated Microneedles.*](#)
Chun Kim YC, Quan FS, Yoo DG, Compans RW, Kang SM, Prausnitz MR. J Inf Dis. 2009. Published online 17 December 2009.



[DEC 18] [Absence of 2009 Pandemic H1N1 Influenza A Virus in Fresh Pork.](#)
Vincent AI et al. PLoS ONE> 2009. Published 18 December 2009, doi:10.1371/journal.pone.0008367.



[DEC 18] [The IFITM Proteins Mediate Cellular Resistance to Influenza A H1N1 Virus, West Nile Virus, and Dengue Virus](#)

Abraham L. Brass AL et al. Cell. 2009. Published online 17 December 2009.



[DEC 18] [The Novel H1N1 Influenza](#) *

Enserink M, Cohen J. The Novel H1N1 Influenza .Science. 2009; 326(5960): 1607.



[DEC 18] Pandemic Influenza A (H1N1).*

Sharon B, Schleiss MR. Pediatr Res. 2009 Dec;66(6):599. No abstract available.



[DEC 18] [Emergence of H5N1 Avian Influenza Viruses with Reduced Sensitivity to Neuraminidase Inhibitors and Novel Reassortants in Lao PDR.](#) *

Boltz DA, Douangneun B, Phommachanh P, Sinthasak S, Mondry R, Obert CA, Seiler P, Keating R, Suzuki Y, Hiramatsu H, Govorkova E, Webster RG. J Gen Virol. 2009 Dec 16. [Epub ahead of print]



[DEC 18] Swine flu and antibiotics--authors' response.*

Barlow GD; on behalf of the BSAC Council. J Antimicrob Chemother. 2009 Dec 16. [Epub ahead of print] No abstract available.



[DEC 18] Honey bee sting and venom offering active as well as passive immunization could reduce swine flu pandemic A (H1N1).*

Singla RK, Bhat VG. Med Hypotheses. 2009 Dec 14. [Epub ahead of print] No abstract available.



[DEC 18] Pandemic influenza A (H1N1): Mandatory vitamin D supplementation?*

Goldstein MR, Mascitelli L, Pezzetta F. Med Hypotheses. 2009. In Press, Corrected Proof, Available online 16 December 2009.



[DEC 18] [Public perceptions of quarantine: community-based telephone survey following an infectious disease outbreak.](#)

Tracy CS, Rea E, Upshur RE. BMC Public Health. 2009 Dec 16;9(1):470. [Epub ahead of print]



[DEC 18] [H1N1 and institutions of higher education.](#) *

Petinaux B, May L, Katz R, Luk J, Goldenberg IA. Am J Disaster Med. 2009 Sep-Oct;4(5):287-98.



[DEC 18] [Lessons learned in implementing a 24/7 public health call center in response to H1N1 in the State of New Jersey.](#) *

Clancy T, Neuwirth C, Bukowski G. Am J Disaster Med. 2009 Sep-Oct;4(5):253-60.

[DEC 17] [Studies needed to address public health challenges of the 2009 H1N1 influenza pandemic: insights from modeling.](#)

Van Kerkhove M, Ferguson N, Riley S.. PLoS Currens: Influenza. Published Online 17 Dec 2009.

- [DEC 17] [Surveillance for outbreaks of influenza-like illness in the institutionalized elderly*](#)
A. Rosewell, C. Chiu, R. Lindley, D. E. Dwyer, C. R. M. Moffatt, C. Shineberg, E. Clarke, R. Booy And C. R. Macintyre. Epidemiology and Infection. 2009. First View Articles article doi:10.1017/S0950268809991440. Published Online by Cambridge University Press 17 Dec 2009.
- [DEC 17] [Trial of influenza A \(H1N1\) 2009 monovalent MF59-adjuvanted vaccine.](#) [updated version]
Clark TW, Pareek M, Hoschler K, et al . N Engl J Med 2009 Dec 17;361(125):2424-35.
- [DEC 17] [Influenza in Africa.](#)
Yazdanbakhsh M, Kremsner PG. PLoS Med. 2009; 6(12): e1000182. doi:10.1371/journal.pmed.1000182. Published online 15 December 2009.
- [DEC 17] [Management of blood supplies during an influenza pandemic \(p\)](#)
Kamp C, Heiden M, Henseler O, Seitz R. Transfusion. 2009; Published Online: Dec 9 2009 . DOI: 10.1111/j.1537-2995.2009.02498.x
- [DEC 17] Pandemic influenza: is there a corporate duty to prepare?*
- McMenamin JP. Food Drug Law J. 2009;64(1):69-100. No abstract available.
- [DEC 17] H1N1: Revealing the Collective Resolve of Medicine and Public Health.*
Subbarao I, Rubinson L, James JJ. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S93-S94.
- [DEC 17] [Lessons from the Front Lines: The Prehospital Experience of the 2009 Novel H1N1 Outbreak in Victoria, Australia.*](#)
Smith EC, Burkle FM Jr, Holman PF, Dunlop JM, Archer FL. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S154-S159.
- [DEC 17] [Mitigating Absenteeism in Hospital Workers During a Pandemic*.](#)
Garrett AL, Park YS, Redlener I. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S141-S147.
- [DEC 17] [Novel Influenza A \(H1N1\) Outbreak On Board a US Navy Vessel.*](#)
Dill CE, Favata MA. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S117-S120.
- [DEC 17] [Spring 2009 H1N1 Influenza Outbreak in King County, Washington.*](#)
Kwan-Gett TS, Baer A, Duchin JS. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S109-S116.
- [DEC 17] CDC's Countermeasure and Response Administration System for Monitoring H1N1 Vaccine Doses Administered.*
Ropper J, Shimabukuro T, Sapkota S, Williams W, Williams CE, Stanley T, Andujar U, Gallagher T, Han-Lee L, Hill H. Disaster Med Public Health Prep. 2009 Dec;3(Supplement 2 Suppl):S107-S108. No abstract available.

- [DEC 17] [Airborne influenza virus detection with four aerosol samplers using molecular and infectivity assays: considerations for a new infectious virus aerosol sampler.](#)*
Fabian P, McDevitt JJ, Houseman EA, Milton DK. Indoor Air. 2009 Oct;19(5):433-41. Epub 2009 May 26.
- [DEC 17] [Effect of influenza vaccination of nursing home staff on mortality of residents: a cluster-randomized trial.](#)
Lemaitre M, Meret T, Rothan-Tondeur M, Belmin J, Lejonc JL, Luquel L, Piette F, Salom M, Verny M, Vetel JM, Veyssier P, Carrat F. J Am Geriatr Soc. 2009 Sep;57(9):1580-6. Epub 2009 Aug 4.
- [DEC 17] [FluDetWeb: an interactive web-based system for the early detection of the onset of influenza epidemics.](#)
Conesa D, López-Quílez A, Martínez-Beneito MA, Miralles MT, Verdejo F. BMC Med Inform Decis Mak. 2009 Jul 29;9:36.
- [DEC 16] [Th1 and Th17 hypercytokinemia as early host response signature in severe pandemic influenza](#)
Bermejo-Martin j et al. Critical Care 2009, 13:R201. Published online 16 December 2009.
- [DEC 16] [Effectiveness and Cost-Effectiveness of Vaccination Against Pandemic Influenza \(H1N1\) 2009*](#)
Khazeni N, Hutton DW, Garber AM, Hupert N, Owens DK. Ann Intern Med. 2009 151(12):829-839.
- [DEC 16] [Feature:Christmas 2009: Years like this:The Spanish influenza pandemic seen through the BMJ's eyes: observations and unanswered questions*](#)
Jefferson T, Ferroni E. BMJ. 2009; Published 16 December 2009, doi:10.1136/bmj.b5313.
- [DEC 16] [Influenza Circulation and the Burden of Invasive Pneumococcal Pneumonia during a Non-pandemic Period in the United States.](#)
Walter ND, Taylor TH, Jr, Shay DK, Thompson WW, Brammer L, Dowell SF, Moore MR ; for the Active Bacterial Core Surveillance Team. Clin Infect Dis. 2009. Published online 16 December 2009.
- [DEC 16] [Immune response after a single vaccination against 2009 influenza A H1N1 in USA: a preliminary report of two randomised controlled phase 2 trials.](#)
Plennevaux E, Sheldon E, Blatter M, Reeves-Hoché M-K, Martine Denis M. The Lancet, Early Online Publication, 16 December 2009doi:10.1016/S0140-6736(09)62026-2.

- [DEC 16] [Safety and immunogenicity of a 2009 pandemic influenza A H1N1 vaccine when administered alone or simultaneously with the seasonal influenza vaccine for the 2009—10 influenza season: a multicentre, randomised controlled trial.](#)
Vajo Z, Tamas F, Sinka L, Jankovics I. The Lancet, Early Online Publication, 16 December 2009. doi:10.1016/S0140-6736(09)62039-0
- [DEC 16] [Safety and immunogenicity of 2009 pandemic influenza A H1N1 vaccines in China: a multicentre, double-blind, randomised, placebo-controlled trial](#)
Liang X-F et al. The Lancet, Early Online Publication, 16 December 2009doi:10.1016/S0140-6736(09)62003-1.
- [DEC 16] [Large trials confirm immunogenicity of H1N1 vaccines.](#)
Kelly H, Barr I. The Lancet, Early Online Publication, 16 December 2009doi:10.1016/S0140-6736(09)62132-2.
- [DEC 16] [Defining the safety profile of pandemic influenza vaccines.](#)
Pfeifer D, Alfonso C, Wood D. The Lancet, Early Online Publication, 16 December 2009doi:10.1016/S0140-6736(09)62133-4.
- [DEC 16] [Efficacy of inactivated split-virus influenza vaccine against culture-confirmed influenza in healthy adults: a prospective, randomized, placebo-controlled trial.*](#)
Beran J, Vesikari T, Wertzova V, Karvonen A, Honegr K, Lindblad N, Van Belle P, Peeters M, Innis BL, Devaster JM. J Infect Dis. 2009 Dec 15;200(12):1861-9.
- [DEC 16] [Safety of influenza vaccination in patients with myasthenia gravis: a population-based study.](#)
Zinman L, Thoma J, Kwong JC, Kopp A, Stukel TA, Juurlink DN. Muscle Nerve. 2009 Dec;40(6):947-51.
- [DEC 16] ["Listen to the people": public deliberation about social distancing measures in a pandemic.*](#)
Baum NM, Jacobson PD, Goold SD. Am J Bioeth. 2009 Nov;9(11):4-14.
- [DEC 16] [Epidemic and pandemic use of antivirals. Antivirals: "You're still the one..."](#)
[No authors listed] Vaccine. 2009 Oct 23;27(45):6377-9. No abstract available.
- [DEC 16] [Increasing the overall epidemic vaccination coverage. Epidemic vaccination coverage: it's a long way to Tipperary!](#)
Monto A, Fedson D, Szucs T, Nichol K. Vaccine. 2009 Oct 23;27(45):6370-3. No abstract available.
- [DEC 16] [Internet-based monitoring of influenza-like illness in the general population: experience of five influenza seasons in The Netherlands.](#)
Friesema IH, Koppeschaar CE, Donker GA, Dijkstra F, van Noort SP, Smalenburg R, van der Hoek W, van der Sande MA. Vaccine. 2009 Oct 23;27(45):6353-7.

- [DEC 16] [MF59-adjuvanted influenza vaccine \(FLUAD\) in children: safety and immunogenicity following a second year seasonal vaccination.](#)
Vesikari T, Groth N, Karvonen A, Borkowski A, Pellegrini M. *Vaccine*. 2009 Oct 23;27(45):6291-5.
- [DEC 16] [Influenza pandemics: a historical retrospect.](#)
Tognotti E. *J Infect Dev Ctries*. 2009 Jun 1;3(5):331-4. No abstract available.
- [DEC 16] [Influenza vaccination in healthcare workers.](#)
Naz H, Cevik F, Aykin N. *J Infect Dev Ctries*. 2009 Feb 28;3(1):50-4.
- [DEC 15] [Physicians' legal duty of care and legal right to refuse to work during a pandemic](#)
Davies CE, Zlotnik Shaul R. *Canadian Medical Association Journal*. Early Online Publication.
- [DEC 15] [Infection preventionists' experience during the first months of the 2009 novel H1N1 influenza A pandemic](#)
American Journal of Infection Control. Volume 37, Issue 10, December 2009, Pages e5-e16.
- [DEC 15] [Can influenza A be transmitted from patients previously vaccinated against influenza?](#)
American Journal of Infection Control. Volume 37, Issue 10, December 2009, Pages 869-870.
- [DEC 15] [Combination strategies for pandemic influenza response - a systematic review of mathematical modeling studies](#)
BMC Medicine. 2009, 7:76 doi:10.1186/1741-7015-7-76.
- [DEC 14] [Optimizing allocation for a delayed influenza vaccination campaign](#)
Medlock J, Meyers LA, Galvani A. *PLoS Currents: Influenza*. Published online 11 December 2009.
- [DEC 14] [Modeling the critical care demand and antibiotics resources needed during the Fall 2009 wave of influenza A\(H1N1\) pandemic.](#)
Balcan D et al. *PLoS Currents: Influenza*. Published online 09 December 2009.
- [DEC 14] [The Severity of Pandemic H1N1 Influenza in the United States, from April to July 2009: A Bayesian Analysis.](#)
Presanis AM et al. *PLoS Med* 6(12): e1000207. doi:10.1371/journal.pmed.1000207. Published online 08 December 2009.
- [DEC 14] [Post-exposure prophylaxis during pandemic outbreaks](#)
Moghadas SM, Bowman CS, Rost G, Fisman DN, Wu J. *BMC Medicine* 2009, 7:73 (2 December 2009)

- [DEC 14] [Systematic review of interventions to increase influenza vaccination rates of those 60 years and older](#)
Thomas RE, Russell ML, Lorenzetti DL. Vaccine. In Press, Uncorrected Proof, Available online 14 December 2009.
- [DEC 14] [Immunizing school-age children and adolescents: Experience from low- and middle-income countries](#)
Mackroth MS, Irwin K, Vandelaer J, Hombach J, Eckert LO. Vaccine. In Press, Uncorrected Proof, Available online 14 December 2009.
- [DEC 11] [Serologic Cross-Reactivity with Pandemic \(H1N1\) 2009 Virus in Pigs, Europe](#)
C.S. Kyriakas et al. Emerging Infectious Diseases.
- [DEC 11] [Hospitalizations for Pandemic \(H1N1\) 2009 among Maori and Pacific Islanders, New Zealand](#)
A. Verrall et al. Emerging Infectious Diseases.
- [DEC 11] [Pandemic \(H1N1\) 2009 Surveillance and Prevalence of Seasonal Influenza, Singapore](#)
Y.-S. Leo et al. Emerging Infectious Diseases.
- [DEC 10] [Deaths Related to 2009 Pandemic Influenza A \(H1N1\) Among American Indian/Alaska Natives --- 12 States, 2009](#)
MMWR December 11, 2009 / 58(48);1341-1344
- [DEC 10] [Transmissibility of the 1918 pandemic influenza in Montreal and Winnipeg of Canada \(p 27-31\)](#)
Shenghai Zhang, Ping Yan, Brian Winchester, Jun Wang Influenza and other Respiratory Viruses. Volume 4 Issue 1 (January 2010) Published Online: Dec 9 2009 7:28PM DOI: 10.1111/j.1750-2659.2009.00117.x
- [DEC 10] [Phenotypic characteristics of novel swine-origin influenza A/California/07/2009 \(H1N1\) virus \(p 1-5\)](#)
Irina Kiseleva, Natalie Larionova, Vasily Kuznetsov, Larisa Rudenko Influenza and other Respiratory Viruses. Volume 4 Issue 1 (January 2010) Published Online: Dec 9 2009 7:28PM DOI: 10.1111/j.1750-2659.2009.00118.x
- [DEC 10] Eurosurveillance 10 Dec 2009 ;14(49)
- [Public perceptions in relation to intention to receive pandemic influenza vaccination in a random population sample: evidence from a cross-sectional telephone survey](#)
 - [Behaviours regarding preventive measures against pandemic H1N1 influenza among Italian healthcare workers, October 2009](#)
 - [Behaviour of the pandemic H1N1 influenza virus in Andalusia, Spain, at the onset of the 2009-10 season](#)

- [Prolonged shedding of influenza A\(H1N1\)v virus: two case reports from France 2009](#)

- [DEC 10] [Subtype identification of the novel A H1N1 and other human influenza A viruses using an oligonucleotide microarray.](#)
Kang X, Li Y, Sun H, Wu W, Liu H, Lin F, et al. Arch Virol. 2009 Dec 10. [Epub ahead of print] PMID: 19998047 [PubMed - as supplied by publisher]
- [DEC 10] [The macroeconomic impact of pandemic influenza: estimates from models of the United Kingdom, France, Belgium and The Netherlands.](#)
Keogh-Brown MR, Smith RD, Edmunds JW, Beutels P. Eur J Health Econ. 2009 Dec 9. [Epub ahead of print] PMID: 19997956 [PubMed - as supplied by publisher]
- [DEC 10] [The severity of pandemic H1N1 influenza in the United States, from April to July 2009: a Bayesian analysis.](#)
Presanis AM, De Angelis D; New York City Swine Flu Investigation Team, Hagy A, Reed C, Riley S, Cooper BS, Finelli L, Biedrzycki P, Lipsitch M. PLoS Med. 2009 Dec;6(12):e1000207. Epub 2009 Dec 8. PMID: 19997612 [PubMed - in process]
- [DEC 10] [Adaptive vaccination strategies to mitigate pandemic influenza: Mexico as a case study.](#)
Chowell G, Viboud C, Wang X, Bertozzi SM, Miller MA. PLoS One. 2009 Dec 3;4(12):e8164. PMID: 19997603 [PubMed - in process]
- [DEC 10] [Early assessment of anxiety and behavioral response to novel swine-origin influenza A\(H1N1\).](#)
Jones JH, Salathé M. PLoS One. 2009 Dec 3;4(12):e8032. PMID: 19997505 [PubMed - in process]
- [DEC 10] [Direct multiplex reverse transcription-nested PCR detection of influenza viruses without RNA purification.](#)
Song MK, Chang J, Hong Y, Hong S, Kim SW. J Microbiol Biotechnol. 2009 Nov;19(11):1470-4. PMID: 19996703 [PubMed - in process]
- [DEC 10] [Adaptive strategies of the influenza virus polymerase for replication in humans.](#)
Mehle A, Doudna JA. Proc Natl Acad Sci U S A. 2009 Dec 7. [Epub ahead of print] PMID: 19995968 [PubMed - as supplied by publisher]
- [DEC 10] [Short Communication: Diagnostic performance of rapid influenza antigen assays in patients infected with the new influenza A \(H1N1\) virus.](#)
Herzum I, Lutz T, Koch F, Geisel R, Gehrt A. Clin Chem Lab Med. 2009 Dec 8. [Epub ahead of print] PMID: 19995180 [PubMed - as supplied by publisher]
- [DEC 10] [Rapid diagnosis of swine-origin influenza A \(H1N1\) virus \(S-OIV\): useful or hype?](#)
Lippi G, Plebani M. Clin Chem Lab Med. 2009 Dec 8. [Epub ahead of print] No abstract available. PMID: 19995179 [PubMed - as supplied by publisher]

- [DEC 10] [Pandemic influenza \(H1N1\): our Canadian response.](#)
Spika JS, Butler-Jones D. Can J Public Health. 2009 Sep-Oct;100(5):337-9. PMID: 19994732 [PubMed - in process]
- [DEC 10] [Epidemiological, antigenic and genetic characteristics of seasonal influenza A\(H1N1\), A\(H3N2\) and B influenza viruses: Basis for the WHO recommendation on the composition of influenza vaccines for use in the 2009–2010 Northern Hemisphere season](#)
Barr IG, McCauley J, Cox N, Daniels R, Engelhardt OG. Vaccine, In Press, Uncorrected Proof, Available online 9 December 2009
- [DEC 10] [Influenza vaccine concurrently administered with a combination measles, mumps, and rubella vaccine to young children](#)
Lum LCS , Borja-Tabora C-F, Breiman RF, Vesikari T, Sablan BP, et al. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [Impact of influenza-like illness and effectiveness of influenza vaccination in oncohematological children who have completed cancer therapy](#)
Esposito S, Cecinati V, Scicchitano B, Delvecchio GC, Santoro, N, et al. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [A systematic review of measures for reducing injection pain during adult immunization](#)
Hogan M-E, Kikuta A, Taddio A. Vaccine, In Press, Uncorrected Proof, Available online 8 December 2009
- [DEC 10] [A Community Cluster of Oseltamivir-Resistant Cases of 2009 H1N1 Influenza](#)
Mai, L. Q., Wertheim, H. F.L., Duong, T. N., van Doorn, H. R., Tran Hien, N., Horby, P., the Vietnam H1N1 Investigation Team . NEJM
- [DEC 10] [Clinical Features of the Initial Cases of 2009 Pandemic Influenza A \(H1N1\) Virus Infection in China](#)
Cao, B., Li, X.-W., Mao, Y., Wang, J., Lu, H.-Z., Chen, Y.-S., et al., the National Influenza A Pandemic (H1N1) 2009 Clinical Investigation Group of China. NEJM

Travel Advisories

- [NOV 27] [WHO: Travel Safety](#)
- [NOV 19] [Travel Health Notice: Global H1N1 flu virus](#)
- [OCT 29] [H1N1 Backgrounder: Planes, Trains, Ferries and Buses—Advice for Travellers, Crews and Operators](#)
- [OCT 26] [Hajj Pilgrims: Recommendations for travel](#)