

pH1N1 Flu Virus (Human Swine Influenza) Information Resources

Current as of November 3, 2009 at 4pm

Highlights

- NIAID: [Updated Results: In Youngest Children, a Second Dose of 2009 H1N1 Influenza Vaccine Elicits Robust Immune Response](#)
The National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health, today announced interim results that show that children nine years of age and younger have a significantly improved immune response when given a second 15-microgram dose of 2009 H1N1 influenza vaccine.
- MOHLTC: Important Health Notice: [pH1N1 – Primary Health Care Services and Supports](#)
- CDC: [Monovalent Influenza Vaccine Dosage, Administration, and Storage](#)
This document provides health care providers, clinicians, and vaccine planners with information about 2009 H1N1 monovalent influenza vaccine dosage, administration and storage.
- WHO: [Pandemic \(H1N1\) 2009, Ukraine - update 1](#)

Literature -----

- NEJM: [The Emergency Use Authorization of Peramivir for Treatment of 2009 H1N1 Influenza](#)
- MJA: [Impact of pandemic \(H1N1\) 2009 influenza on critical care capacity in Victoria*](#)
- Lancet: [H1N1 vaccine safety monitoring: beyond background rates*](#)
- CCDR: [Statement on Seasonal Trivalent Inactivated Influenza Vaccine \(TIV\) for 2009-2010](#)
- Science: [Pandemic H1N1 and the 2009 Hajj*](#)

News -----

[Number of swine flu patients going into intensive care is rising](#)

[Canadian advisors push seasonal vaccine](#)

Canada's vaccine advisory group yesterday recommended against delaying seasonal flu shots, a move that many provinces made after an unpublished study suggested the vaccine might raise the risk of contracting pandemic flu.

[Saudi Arabia to vaccinate hajj participants](#)

Contents

[Events](#)

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](#)
[pH1N1 Clinical Information](#)
[Research Articles](#)
[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

Archived

- [OCT 26] [Peramivir and other Antiviral Treatment Options for Treatment of Influenza in Hospitalized Patients for the 2009-2010 Season](#)
(Peramivir is an Intravenous Influenza Antiviral authorized for use by the US Food and Drug Administration (FDA), subject to the Emergency Use Authorization (EUA) terms and conditions)
- [ARCHIVED] [COCA conference calls](#)
- [ARCHIVED] U.S. DHHS [H1N1 Video Briefing archive](#)
- September 8: Rear Admiral Anne Schuchat (CDC) gives a briefing on updated recommendations on the use of antivirals as well as an update on the H1N1 (swine) flu.
- [ARCHIVED] [Know what to do about the flu](#) : webcast series from the U.S flu.gov
- September 9: Parents and Child Care Providers

Ministry of Health and Long-Term Care (MOHLTC)



- [NOV 3] [H1N1 News Conference - November 1, 2009](#)
- [OCT 30] [Ontario Influenza Bulletin: Surveillance Week 42 \(Oct 18 – Oct 24\)](#)
- Influenza activity in Ontario was higher compared to the previous week.
 - There are 4,814 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS).
 - 30 deaths have been reported among confirmed H1N1 cases.
 - 68 people who have the H1N1 flu virus were in hospital as of 8:30 a.m. on October 28, a number of whom have underlying medical conditions. 475 other people have been hospitalized and have since been discharged.
 - More hospitalized cases were reported this week compared to last week. Two new deaths among cases were reported this week.
- [OCT 27] [Ontario Takes Additional Steps to Reduce H1N1 Transmission](#)
- [Emergency Departments Guidance Document](#)
 - [Ambulatory Care Settings Guidance Document](#)
 - [Long-Term Care Settings Guidance Document](#)
 - [Pharmacies Guidance Document](#)
 - [Shelters Guidance Document](#)
 - [Homecare Guidance Document](#)

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

Important Health Notices



[NOV 3] [pH1N1 – Primary Health Care Services and Supports](#)

[OCT 22] [pH1N1 – Access to Supplies & Equipment](#)

Ontario Agency for Health Protection and Promotion (OAHPP)

[OCT 30] [Laboratory Surveillance Update - October 26, 2009](#)

[OCT 28] [Weekly Synthesis of Surveillance Information, Literature & Government Updates \(Week ending Oct 23rd, 2009\)](#)

[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.

[NOV 2] [Weekly Distribution of the H1N1 Flu Vaccine](#)

The Government of Canada is overseeing the distribution of the H1N1 flu vaccine from the vaccine manufacturer to the provinces and territories. The vaccine is being distributed to the provinces and territories on a per capita basis, as agreed to by the Chief Medical Officers of Health. The Territories have been supplied in full from initial shipments to minimize the number of shipments, given the logistical challenges of shipping to the North.

The following table lists the number of doses of H1N1 flu vaccine distributed per week to each province/territory, and the forecasted the number of doses to be distributed in the coming week.

Weekly Distribution of the H1N1 Flu Vaccine					
	Delivered to Date				Forecast
	Week 1	Week 2	Week 3		Week 4
	Oct. 12 - 18	Oct. 19 - 25	Oct 26 - Nov 1		Nov 2 - Nov 8
FPT	Adj. Doses	Adj. Doses	Adj. Doses	Total Doses Distributed ¹	Adj. / Unadj. Doses
Newfoundland	28,000	28,000	30,000	86,000	7,500 / 2,900
PEI	8,000	12,000	9,000	29,000	2,500 / 900
Nova Scotia	52,000	52,000	56,000	160,000	13,500 / 5,400
New Brunswick	41,500	41,500	46,000	129,000	11,000 / 4,400
Quebec	431,000	431,000	469,000	1,331,000	113,000 / 52,000

Ontario	722,000	722,000	785,000	2,229,000	189,500 / 86,800
Manitoba	71,000	63,000	72,000	206,000	17,500 / 9,200
Saskatchewan	56,500	56,500	60,000	173,000	14,500 / 8,100
Alberta	201,000	201,000	220,000	622,000	52,500 / 28,600
BC	232,500	232,500	353,000	818,000	64,500 / 25,000
Nunavut	22,000	0	0	22,000	0 / 600
Yukon	24,000	0	0	24,000	0 / 400
NWT	34,000	0	0	34,000	0 / 600
TOTAL:	1,923,500	1,839,500	2,100,000	5,863,000	486,000 / 224,900

¹ Dose distribution as of end of Oct. 31 (3 weeks of distribution)

[OCT 30] [Guidance for Clinical Management of Patients with Influenza-Like-Illness \(ILI\) in the context of pandemic \(H1N1\) 2009 in Remote and Isolated Communities](#)

[OCT 30] [Recommendations for pH1N1 Vaccine in Pregnancy](#)

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

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

CDC Reports The Total Number Of H1n1 Hospitalizations And Deaths Each Friday.



[NOV 3] [Monovalent Influenza Vaccine Dosage, Administration, and Storage](#)
This document provides health care providers, clinicians, and vaccine planners with information about 2009 H1N1 monovalent influenza vaccine dosage, administration and storage.



[NOV 2] [Q & A Regarding 2009 H1N1 Influenza Vaccine Supply](#)
This document provides questions and answers about the current 2009 H1N1 vaccine supply



[NOV 2] [Fact Sheet on Guillain-Barre syndrome \(GBS\)](#)
General information on GBS, background rate of GBS, and GBS surveillance systems in use during 2009-2010 flu season



[NOV 2] [H1N1 Influenza: Resources for Pharmacists](#)
Quicklinks for information regarding Peramivir IV and to FDA's Guidance to Pharmacies on Advance Compounding of Tamiflu Oral Suspension to Provide for Multiple Prescriptions



[NOV 2] [2009 H1N1 Influenza Vaccine Supply Status Daily Update](#)

[OCT 30] [Peramivir IV Questions and Answers for Health Care Providers](#)

[OCT 30] [U.S. Influenza and Pneumonia-Associated Hospitalizations and Deaths from August 30 to October 24, 2009](#)

During the week of October 18-24, 2009, influenza activity continued to increase in the United States as reported in FluView. Flu activity is now widespread. Nationwide, visits to doctors for influenza-like-illness are increasing steeply and are now higher than what is seen at the peak of many regular flu seasons. In addition, flu-related hospitalizations and deaths continue to go up nation-wide and are above what is expected for this time of year.

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

Other US Sources



[NOV 2] [Updated Results: In Youngest Children, a Second Dose of 2009 H1N1 Influenza Vaccine Elicits Robust Immune Response](#)

The National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health, today announced interim results that show that children nine years of age and younger have a significantly improved immune response when given a second 15-microgram dose of 2009 H1N1 influenza vaccine.

The clinical trial evaluated the immune response of children six months to 17 years of age who received two doses of either 15 or 30 micrograms of 2009 H1N1 influenza vaccine. One of the most important findings from this study is that among children nine years old and younger, the second dose elicited a robust immune response after eight to 10 days, a significant improvement over the immune responses in this age group following only a single dose.

[OCT 30] [H1N1 documents on CMS \[Centers for Medicare and Medicaid Services\]](#)

[OCT 28] [Questions and Answers about Children and Tamiflu](#)

[OCT 27] [Secretary Sebelius Issues 1135 Waiver for H1N1 Flu](#)

[OCT 27] [FDA Approves New IV Drug for Treatment of Seriously Ill Flu Patients](#)

[OCT 27] GAO: [Influenza Pandemic: Key Securities Market Participants Are Making Progress, but Agencies Could Do More to Address Potential Internet Congestion and Encourage Readiness](#)

[OCT 27] AMA/AAFP/ACOG/CDC: [Letter to professionals re pregnancy and H1N1](#)

Center for Infectious Disease Research and Policy



[NOV 2] [Studies reaffirm 2 vaccine doses in kids, show safety in pregnant women](#)



[NOV 2] [WHO sends team to Ukraine as flu cases rise](#)



[NOV 2] [Canadian advisors push seasonal vaccine](#)
Canada's vaccine advisory group yesterday recommended against delaying seasonal flu shots, a move that many provinces made after an unpublished study suggested the vaccine might raise the risk of contracting pandemic flu, the Canadian Press reported. The panel concluded that even if the finding is valid, the risk of skipping the seasonal shot outweighs the risk seen in the studies. The group also endorsed giving both seasonal and H1N1 shots at the same time.



[NOV 2] [Canada's H1N1 vaccine production lags](#)
GlaxoSmithKline is expected to ship far fewer doses of H1N1 vaccine to Canadian provinces this week than was expected, prompting provinces to postpone the rollout of the vaccine for at least 2 weeks, the Toronto Globe and Mail reported. The company was expected to ship 436,000 doses this week, instead of the roughly 2 million previously anticipated, because it had to interrupt production to make an unadjuvanted version of the vaccine for pregnant women, the story said.



[NOV 2] [Saudi Arabia to vaccinate hajj participants](#)
Saudi Arabian health officials said the country will immunize healthcare workers, hajj workers, and domestic pilgrims who will attend the hajj against the pandemic H1N1 virus, Agence France-Presse (AFP) reported today. Vaccination won't be mandatory.



[NOV 2] [Afghanistan closes all schools](#)
The Afghan government yesterday ordered the closure of all schools for 3 weeks in the wake of the country's first death from H1N1 flu, AFP reported. Education Minister Farouq Wardak said the closure was ordered "to safeguard the health of all Afghans." An engineer from Kabul was the flu's first victim in Afghanistan.

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

Health Protection Agency (UK)

[NOV 2] [Position of HPA on the need for ethical committee approval of field investigation and control of Pandemic \(H1N1\) 2009 influenza](#)

[OCT 30] [Pandemic \(H1N1\) 2009 Influenza - case investigation, management and treatment](#)

[OCT 30] [Swine flu: schools and educational settings](#)

[OCT 29] [Directed Enhanced Services - Pandemic Influenza \(H1N1\) Vaccination Scheme](#)

The Secretary of State Directions requiring Primary Care Trusts to enter into arrangements to vaccinate patients identified in the Chief Medical Officer's letter of 13 August 2009 come into force on 30 October 2009.

[OCT 28] [Clinical professionals brief on swine flu vaccination](#)

[OCT 28] [Health and social care workers and pandemic influenza: information for staff who are pregnant or in other at-risk groups](#)

[ARCHIVED] [Swine Influenza page](#)

Department of Health (UK)

[OCT 30] [Weekly pandemic flu media update](#)

- The main burden of flu-like illness nationally is in the 1-4 and 5-14 years age groups.
- This week, the antiviral collection numbers in the National Pandemic Flu Service have continued to increase and this has been seen in all age groups. The largest increase (49%) in week 43, compared with week 42, was seen in the 1-4 year olds.
- HPA modelling gives an estimate of 78,000 new cases in England last week (range 39,000 to 169,000). This represents a 56% increase on the previous week.
- The HPA estimates a cumulative total number of cases of 521,000 since the pandemic began.

[OCT 29] [29 October 2009 - weekly swine flu update](#)

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

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



[NOV 3] [Daily update – Pandemic H1N1 2009 \(03/11/2009\)](#)

- Updates from U.S.A. and Canada;
- WHO Report on the situation in the Ukraine;
- Total of 325 fatal cases in Europe and EFTA countries and 5 846 in the rest of the world have been reported up to date.

[OCT 30] [ECDC Weekly Executive Update - Pandemic H1N1 2009](#)

[OCT 27] [Confirmed outbreak of highly pathogenic avian influenza type H7N7 in poultry - Animal Health - Spain](#)

[OCT 22] [Bacterial pulmonary infections in autopsy results from pandemic influenza \(H1N1\) 2009 deaths in the United States](#)

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

European Union

[OCT 26] [Finland Faces First Swine Flu Death](#)

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

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.



[NOV 3] [Pandemic \(H1N1\) 2009, Ukraine - update 1](#)

[NOV 1] [Pandemic \(H1N1\) 2009, Ukraine](#)

[OCT 30] [Vaccines for pandemic \(H1N1\) 2009](#)

- [Safety of pandemic \(H1N1\) 2009 vaccines](#)
- [Use of the pandemic \(H1N1\) 2009 vaccines](#)
- [Production and availability of pandemic \(H1N1\) 2009 vaccines](#)

[OCT 30] [Pandemic \(H1N1\) 2009 - update 72](#)

[OCT 30] [Experts advise WHO on pandemic vaccine policies and strategies
Pandemic \(H1N1\) 2009 briefing note 14](#)

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

[ARCHIVED] [Older WHO Updates](#)

Pan-American Health Organization (PAHO)



[NOV 3] [Regional Update. Pandemic \(H1N1\) 2009 \(published Nov 3\)](#)

- The trends of acute respiratory disease in North America continue to increase; there were 22 influenza-associated pediatric deaths reported in the United States this week, twice as many as last week
- Central America continues to report overall decreasing trends in acute respiratory disease
- Most of South America had stable or decreasing trends of acute respiratory disease, with the exception of Colombia, which reported an increasing trend for the seventh consecutive week
- Barbados and Nicaragua reported the detection of cases of co-infection with pandemic (H1N1) 2009 and dengue
- Venezuela reported an outbreak of acute respiratory infection in the indigenous Yanomami community
- A median of 100% of subtyped influenza A viruses were pandemic (H1N1) 2009
- 224 new confirmed deaths in 10 countries were reported; in total there have been 4,399 cumulative confirmed deaths

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

Australia and New Zealand

- [OCT 28] [New Zealand Pandemic Influenza \(H1N1\) 09 Swine Flu - Update 157](#)
- Next year's seasonal influenza vaccine will contain the pandemic influenza strain and will be available in New Zealand in autumn.
 - Immunisation from pandemic influenza will be available as part of the seasonal influenza programme.
 - For some people it will be free of charge - the Government subsidises seasonal influenza immunisation for people aged 65 years or over and people aged 6 months to 64 years with a range of chronic conditions.
- [OCT 26] [Australia National H1N1 Influenza 09 Update](#)
- At noon today Australia has 37,039 confirmed cases of pandemic (H1N1) 2009
 - The number of deaths associated with pandemic (H1N1) 2009 continues to increase. As of 26 October, 186 people have died. Of these deaths, four were pregnant women and 24 (12.9%) were Indigenous.
 - The total number of hospitalisations in Australia since pandemic (H1N1) 2009 is identified at 4,904
- [ARCHIVED] [New Zealand's H1N1 page](#)
- [ARCHIVED] [Australia's H1N1 Update Bulletins](#)

pH1N1 Clinical Information

[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)



- [NOV 2] News: [Number of swine flu patients going into intensive care is rising](#)
Siva N. BMJ. Published 2 November 2009, doi:10.1136/bmj.b4528



- [NOV 2] [The Emergency Use Authorization of Peramivir for Treatment of 2009 H1N1 Influenza](#)
Birnkranz D, Cox E. NEJM. Early Online Publication 3 Nov 2009.



- [NOV 1] [Impact of pandemic \(H1N1\) 2009 influenza on critical care capacity in Victoria](#)
Lum ME, et al. Med J Aust 2009; 191 (9): 502-506.



[OCT 31] [H1N1 vaccine safety monitoring: beyond background rates*](#)
The Lancet, Early Online Publication, 31 October 2009



[OCT 30] [Statement on Seasonal Trivalent Inactivated Influenza Vaccine \(TIV\) for 2009-2010](#)
National Advisory Committee on Immunization. CCDR. 35 (ACS-6).
The purpose of this statement is to review the NACI recommendations for immunization with the seasonal trivalent inactivated influenza vaccine (TIV) for the 2009-2010 season in light of the recent H1N1 pandemic, based on evidence available at this time.



[OCT 30] [Pandemic H1N1 and the 2009 Hajj*](#)
Ebrahim SH, et al. Science. Early online publication.



[OCT 30] Analysis: [Swine Flu Vaccines: Reaching the Finish Line*](#)
Davies J. Volume 139, Issue 3, 30 October 2009, Pages 449-451.



[OCT 30] [Yearly influenza vaccinations: a double-edged sword?*](#)
Bodewes R, Kreijtz JHCM, Rimmelzwaan GF. Lancet Infectious Diseases. Early Online Publication, 30 October 2009.



[OCT 30] [Reflection and Reaction: Influenza vaccination of children*](#)
Heikkinena T, Peltola V. Lancet Infectious Diseases. Early Online Publication, 30 October 2009.



[OCT 30] [Survey Study of the Knowledge, Attitudes, and Expected Behaviors of Critical Care Clinicians Regarding an Influenza Pandemic*](#)
Daugherty EL, et al. Infec Contr Hosp Epi. Early Online Publication 29 October 2009.

[OCT 30] [Importance of background rates of disease in assessment of vaccine safety during mass immunisation with pandemic H1N1 influenza vaccines*](#)
Black S et al. Lancet. Early Online Publication, 31 October 2009.

[OCT 30] [Lung Pathology in Fatal Novel Human Influenza A \(H1N1\) Infection.*](#)
Mauad T, et al. Am J Respir Crit Care Med. Early Online Publication, 29 October 2009.

[OCT 30] [Rapid Development of an Efficacious Swine Vaccine for Novel H1N1](#)
Vander Veen R, Kamrud K, Mogler M, Loynachan AT, et al. PLOS.

[OCT 30] [Antiviral usage for H1N1 treatment: pros, cons and an argument for broader prescribing guidelines in the United States](#)
Goldstein E, Lipsitch M. PLOS.

[OCT 30] [Update on emerging infections: news from the Centers for Disease Control and Prevention. Hospitalized patients with novel influenza A \(H1N1\) virus infection--California, April-May, 2009.](#)
Chen KF, Gaydos C, Rothman RE. Ann Emerg Med. 2009 Nov;54(5):732-6.

- [OCT 30] [Introduction of a Novel Swine-Origin Influenza A \(H1N1\) Virus into Milwaukee, Wisconsin in 2009.](#)
Kumar S, et al. Viruses. 2009 Jun 1;1(1):72-83.
- [OCT 30] [Generation of live attenuated novel influenza A/California/7/09 \(H1N1\) vaccines with high yield in embryonated chicken eggs.](#)
Chen Z, et al. J Virol. Early Online Publication 28 October 2009.
- [OCT 30] [The first Swedish H1N2 swine influenza virus isolate represents an uncommon reassortant.](#)
Balint A, et al. Virol J. 2009 Oct 28;6(1):180. [Epub ahead of print]
- [OCT 30] [Coming soon to an ICU near you: severe pandemic influenza in ICU patients in Spain.](#)
Opal SM. Crit Care. 2009 Oct 21;13(5):196. [Epub ahead of print]
- [OCT 29] [Reassortment between Amantadine-Resistant and -Sensitive H1N1 Influenza A Viruses Generated an Amantadine-Sensitive Virus during the 2007–2008 Season*](#)
Furuse, Y et al. J Infect Dis. 29 October 2009; [Epub ahead of print].
- [OCT 29] [Estimates of the Prevalence of Pandemic \(H1N1\) 2009, United States, April–July 2009](#)
Reed C et al. Emerg Infect Dis. 2009 Dec; [Epub ahead of print].
- [OCT 29] Letter: [Preexisting Immunity to Pandemic \(H1N1\) 2009](#)
Xing X, Cardona CJ. Emerg Infect Dis. 2009 Nov; 15(11).
- [OCT 29] Letter: [Antiviral Drugs for Treatment of Patients Infected with Pandemic \(H1N1\) 2009 Virus](#)
Hartley DM, Nelson NP, Perencevich, EN. Emerg Infect Dis. 2009 Nov; 15(11).
- [OCT 29] [ASID \(HICSIG\) position statement: infection control guidelines for patients with influenza-like illnesses, including pandemic \(H1N1\) influenza 2009, in Australian health care facilities](#)
Ferguson JK et al. Med J Aust 2009 Oct 19; 191(8): 454-8.
- [OCT 28] [Evaluation of serological trials submitted for annual re-licensure of influenza vaccines to regulatory authorities between 1992 and 2002*](#)
Voordouw ACG et al. Vaccine. In Press, Uncorrected Proof. Available online 28 October 2009.
- [OCT 28] [Temperature sensitivity on growth and/or replication of H1N1, H1N2 and H3N2 influenza A viruses isolated from pigs and birds in mammalian cells*](#)
Pascale M et al. Veterinary Microbiology. In Press, Accepted Manuscript. Available online 28 October 2009.
- [OCT 28] [Mechanisms and functional implications of the degradation of host RNA polymerase II in influenza virus infected cells*](#)

Vreede FT, Chan AY, Sharps J, Fodor E. Virology. In Press, Corrected Proof. Available online 28 October 2009.

- [OCT 28] [Zanamivir \(Relenza\) Must Not Be Given by Nebulization](#)
Estes, LL. Journal Watch Infectious Diseases. Available online 28 October 2009.
- [OCT 27] [A Report on the Association of Influenza B virus with Respiratory Tract Infection of Hospitalized Children in Saudi Arabia](#)
Almajhdi FN. Saudi Journal of Biological Services. In Press, Accepted Manuscript. Available online 27 October 2009.
- [OCT 28] [Evaluation of recombinant influenza-SIV vaccines in macaques](#)
Stambas, J. et al. Retrovirology. 6(Suppl 3):344 22 Oct 2009.
- [OCT 28] [Generation of live attenuated novel influenza A/California/7/09 \(H1N1\) vaccines with high yield in embryonated chicken eggs](#)
Chen, Zhongying et al. Journal of Virology. Oct 28 2009 [Epub ahead of print].
- [OCT 28] [Rapid Influenza Diagnostic test during the Outbreak of The Novel Influenza A/H1N1 2009 in Thailand: An Experience with Better Test Performance in Resource Limited Setting*](#)
Sirion Watcharananan, Sasisopin Kiertiburanakul and Sasisopin Kiertiburanakul. Journal of Infection. Oct 27 2009 [Epub ahead of print].
- [OCT 28] [Infection prevention in points of dispensing*](#)
Rebmann, Terri. American Journal of Infection Control. Nov. 2009: 37(9):695-702.
- [OCT 28] [Neurologic Complications Associated With Novel Influenza A \(H1N1\) Virus Infection in Children—Dallas, Texas, May 2009](#)
Brock, E. et al. JAMA. 2009;302(16):1746-1748.
- [OCT 28] [Acceptability of A/H1N1 vaccination during pandemic phase of influenza A/H1N1 in Hong Kong: population based cross sectional survey](#)
Lau, Joseph T. F. et al. BMJ. 2009 Oct 27;339(4164).
- [OCT 28] [A design fault in New Zealand's health research funding system exposed by pandemic influenza.*](#)
Wilson N et al. N Z Med J. 2009 Oct 9;122(1304):121-122. No abstract available.
- [OCT 28] [Evaluation of Sensitivity and Specificity of Rapid Influenza Diagnostic Tests for Novel Swine-Origin Influenza A \(H1N1\) Virus.*](#)
Likitnukul S, Boonsiri K, Tangsuksant Y. Pediatr Infect Dis J. 2009;28(11):1038-1039.
- [OCT 28] [Bird Flu, Swine Flu, and Resistant Influenza: The Scary Development of Antiviral-Resistant Strains-Part 2: Novel A\(H1N1\): The Flu We Never Expected.](#)
O'Malley P. Clin Nurse Spec. 2009 November/December;23(6):293-295.

- [OCT 28] [The Situation Room: A Step by Step Procedure toward Pandemic Influenza Preparedness.*](#)
Castro-Jiménez MA, Vera-Cala LM, Rey-Benito GJ. J Infect Dev Ctries. 2009 Oct 22;3(9):649-653.
- [OCT 28] [A case of Chronic Fatigue Syndrome following H1N1 influenza \(swine influenza\).*](#)
Vallings R. J Clin Pathol. 2009 Oct 26. [Epub ahead of print]
- [OCT 27] [The Novel 2009 H1N1 Influenza Virus Pandemic: Unique Considerations for Programs in Cardiothoracic Transplantation.](#)
Danziger-Isakov LA, Husain S, Mooney ML, Hannan MM; for the ISHLT Infectious Diseases Council. J Heart Lung Transplant. 2009 Oct 21. [Epub ahead of print]
- [OCT 27] [Influenza A virus subtyping: paradigm shift in influenza diagnosis.](#)
Vinikoor M, Stevens J, Nawrocki J, Singh K. J Clin Microbiol. 2009 Sep;47(9):3055-6. Epub 2009 Jul 29.
- [OCT 27] [Development Of A Multiplex Real-Time RT-PCR That Allows Universal Detection Of influenza A Viruses And Simultaneous Typing Of influenza A/H1N1/2009 Virus.*](#)
Gunson R et al. J Virol Methods. 2009 Oct 22. [Epub ahead of print]
- [OCT 27] [Pregnancy and H1N1 infection*.](#)
Burioni R, Canducci F, Clementi M. Lancet. 2009 Oct 24;374(9699):1417. No abstract available.
- [OCT 27] [Pregnancy and H1N1 infection*](#)
Su LL, Chan J, Chong YS, Choolani M, Biswas A, Yong E. Lancet. 2009 Oct 24;374(9699):1417. No abstract available.
- [OCT 27] [Pregnancy and H1N1 infection - Authors' reply*.](#)
Jamieson DJ, Honein MA, Rasmussen SA, Macfarlane KF, Olsen SJ. Lancet. 2009 Oct 24;374(9699):1417-8. No abstract available.
- [OCT 27] [Mathematical modelling of infectious diseases.*](#)
Keeling MJ, Danon L. Br Med Bull. 2009 Oct 24. [Epub ahead of print]
- [OCT 27] [Can an infectious disease genomics project predict and prevent the next pandemic?](#)
Gupta R, Michalski MH, Rijsberman FR. PLoS Biol. 2009 Oct;7(10):e1000219. Epub 2009 Oct 26.
- [OCT 27] [SIP 3: 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.
- [OCT 27] [SIP 5: Social distancing during a pandemic. Not sexy, but sometimes effective: social distancing and non-pharmaceutical interventions.](#)
Ferguson N, Nicoll A, Schwartz B. Vaccine. 2009 Oct 23;27(45):6383-6.

- [OCT 27] [S6: Equitable use of intervention strategies in a pandemic 16 September 15.30-17.](#)
[No authors listed]. Vaccine. 2009 Oct 23;27(45):6387-9. No abstract available
- [OCT 27] [S4: Pre-pandemic and pandemic vaccination. 16 September 10.30-12.00.](#)
[No authors listed]. Vaccine. 2009 Oct 23;27(45):6380-2. No abstract available
- [OCT 27] [Improving the diagnostic efficiency of H1N1 2009 pandemic flu: analysis of predictive clinical signs through a prospective cohort.](#)
Brouqui P et al. PLoS Currents. 2009; Published online on Oct. 26, 2009.
- [OCT 27] [Targeted vs. systematic early antiviral treatment against A\(H1N1\)v influenza with neuraminidase inhibitors in patients with influenza-like symptoms: Clinical and economic impact](#)
Deuffic-Burban S et al. PLoS Currents. 2009; Published online on Oct. 27, 2009.
- [OCT 27] [Evaluation of a rapid molecular algorithm for detection of pandemic influenza A \(H1N1\) 2009 virus and screening for a key oseltamivir resistance \(H275Y\) substitution in neuraminidase*](#)
E. van der Vries et al., J of Clin. Virology, In Press, Available online 25 October 2009
- [OCT 27] [Attenuation of the Influenza Virus Sickness Behavior in Mice Deficient in Toll-like Receptor 3 *](#)
Jeannine A. Majde Brain, Behavior & Immun., In Press, Available online 25 October 2009.
- [OCT 27] [Subclinical Infection with the Novel Influenza A \(H1N1\) Virus*](#)
Jian Yang et al., Clin.Infect.Dis. 2009;49:1622–1623

Travel Advisories

- [OCT 26] [Hajj Pilgrims: Recommendations for travel](#)