

# H1N1 Flu Virus (Human Swine Influenza) Information Resources

(last updated August 12, 2009 at 5pm)

---

## Highlights

Morens D, Taubenberger JK. Understanding Influenza Backward

*JAMA*. 2009;302(6):679-680.

<http://jama.ama-assn.org/cgi/content/short/302/6/679>

Interim Guidance: Prevention and management of cases of influenza-like-illness (ILI) that may be due to pandemic (H1N1) 2009 influenza virus on cruise ships

<http://www.phac-aspc.gc.ca/alert-alerte/h1n1/hp-ps/cs-pc-eng.php>

Evaluation of Rapid Influenza Diagnostic Tests for Detection of Novel Influenza A (H1N1) Virus --- United States, 2009 MMWR 2009 Aug 7;58(30):826-9.

<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5830a2.htm>

## 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](#)

##### Europe

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

##### International

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

#### Other Resources

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

## Events

### Current / Upcoming

Workshop on Personal Protective Equipment for Healthcare Workers in the Workplace Against Novel H1N1 Influenza A (Aug 11 - Aug 13)

#### IMPORTANT NOTICE:

We have reached our seating capacity for the workshop and registration is closed. A free live audio webcast of the workshop will be available (no registration required): Thursday, August 13, 2009 from 8am-12pm (Eastern).

<http://www.iom.edu/CMS/3740/71769/71867.aspx>

H1N1 Preparedness Summit, August 20, Maine

<http://www.maine.gov/dhhs/boh/h1n1-summit.html>

### Archived

Read-out of H1N1 summit webcast

Department of Homeland Security (DHS) Secretary Janet Napolitano, Department of Health and Human Services Secretary Kathleen Sebelius and Department of Education Secretary Arne Duncan joined today with Centers for Disease Control and Prevention Director for Immunization and Respiratory Diseases Dr. Anne Schuchat to discuss H1N1 preparedness and answer questions from the public.

<http://www.hhs.gov/news/press/2009pres/08/20090804a.html>

[JULY 29] Special Advisory Committee on Immunization Practices (ACIP) meeting on Novel Influenza A (H1N1). Agenda available at:

<http://www.cdc.gov/vaccines/recs/acip/downloads/agenda-jul09.pdf>

[JULY 23] FDA: July 23, 2009: Vaccines and Related Biological Products Advisory Committee Meeting Announcement

<http://www.fda.gov/AdvisoryCommittees/Calendar/ucm170908.htm>

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

**NEW**

[AUG 11] Ontario Influenza Bulletin SURVEILLANCE WEEK 30 (July 26, 2009– August 1, 2009)

Note : The Influenza Bulletin provides information based on the surveillance period July 26 to August 1, 2009. Case counts from the previous week are submitted to the ministry by public health units every

Tuesday. Data on hospitalizations and deaths is submitted daily and therefore is accurate as of August 1st.

For the surveillance period of July 26 to August 1, 2009 :

- Overall, influenza activity in Ontario was similar compared the previous week. Slightly fewer patients reporting influenza-like symptoms consulted sentinel physicians this week than the previous week.
- However, the rate of influenza-like illness (ILI) in patients seen by sentinel physicians is above what is expected for this time of year, particularly for those less than 19 years of age.
- The majority of health units continue to report sporadic activity. Only one health unit reported localized activity.
- There are 3,983 confirmed cases of H1N1 flu virus reported through the integrated Public Health System (iPHIS) as of August 1, 2009.

As of August 5 :

- 21 deaths have been reported among confirmed H1N1 cases.
- 48 people who have the H1N1 flu virus were in hospital as of 8:30 a.m. on August 5, a number of whom have underlying medical conditions. 283 other people have been hospitalized and have since been discharged.
- Fewer hospitalized cases were reported this week, which continues a downward trend in hospitalizations. A similar number of deaths among cases were reported this week in comparison with last week.

[http://www.health.gov.on.ca/english/providers/program/pubhealth/flu/flu\\_08/bulletins/flu\\_bul\\_01\\_20090801.pdf](http://www.health.gov.on.ca/english/providers/program/pubhealth/flu/flu_08/bulletins/flu_bul_01_20090801.pdf)

[ARCHIVE] Previous MOHLTC updates and news conference video footage available at:

[http://www.health.gov.on.ca/english/public/updates/archives/hu\\_09/swine\\_flu.html](http://www.health.gov.on.ca/english/public/updates/archives/hu_09/swine_flu.html)

## Important Health Notices

Last H1N1 update on June 11

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

**NEW**

[AUG 12] H1N1 Weekly Synthesis of Surveillance Information, Literature & Government Updates for week ending August 7

<http://www.oahpp.ca/Documents/H1N1%20Weekly%20Synthesis%20August%2007,%2009.pdf>

[ARCHIVE] Swine Influenza Outbreak page (no new resources since May 3)

<http://www.oahpp.ca/SRI%20Bulletin.php>

## Public Health Agency of Canada (PHAC)

PHAC will issue 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.



[Aug 11] Deaths associated with H1N1 virus in Canada

- 2 new deaths reported from Aug 6 to Aug 11
- Cumulative total: 66 deaths

<http://www.phac-aspc.gc.ca/alert-alerte/swine-porcine/surveillance-eng.php>



[AUG 12] Interim Guidance: Prevention and management of cases of influenza-like-illness (ILI) that may be due to pandemic (H1N1) 2009 influenza virus on cruise ships

<http://www.phac-aspc.gc.ca/alert-alerte/h1n1/hp-ps/cs-pc-eng.php>

[ARCHIVE] Previous PHAC documents and updates available from:

[http://www.phac-aspc.gc.ca/alert-alerte/swine\\_200904-eng.php](http://www.phac-aspc.gc.ca/alert-alerte/swine_200904-eng.php)

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

July 24, 2009 is the last day that CDC is providing individual confirmed and probable cases of novel H1N1 influenza. CDC will report the total number of hospitalizations and deaths each week, and continue to use its traditional surveillance systems to track the progress of the novel H1N1 flu outbreak.



[AUG 12] Novel H1N1 Vaccination Guidance for State, Local, Tribal and Territorial Health Officials

<http://www.cdc.gov/h1n1flu/vaccination/statelocal/>



[AUG 10] CDC Novel H1N1 Vaccination Planning Q&A

<http://www.cdc.gov/h1n1flu/vaccination/statelocal/qa.htm>



[AUG 10] General Business and Workplace Guidance for the Prevention of Novel Influenza A (H1N1) Flu in Workers

<http://www.cdc.gov/h1n1flu/guidance/workplace.htm>



[AUG 10] Novel H1N1 Flu: CDC response

<http://www.cdc.gov/h1n1flu/cdcresponse.htm>

**NEW**

[AUG 10] North American Leaders' Declaration on H1N1  
[http://www.whitehouse.gov/the\\_press\\_office/North-American-Leaders-Declaration-on-H1N1/](http://www.whitehouse.gov/the_press_office/North-American-Leaders-Declaration-on-H1N1/)

[AUG 7] Novel H1N1 Flu: International Situation Update  
<http://www.cdc.gov/h1n1flu/updates/international/>

**NEW**

[AUG 6] Interim Recommendations for Facemask and Respirator Use to Reduce Novel Influenza A (H1N1) Virus Transmission  
<http://www.cdc.gov/h1n1flu/masks.htm>

**NEW**

[AUG 7] Updated Federal Guidelines for 2009 H1N1 Influenza in Schools Offer Many Options  
<http://www.hhs.gov/news/press/2009pres/08/20090807a.html>

**NEW**

[AUG 7] CDC Guidance for State and Local Public Health Officials and School Administrators for School (K-12) Responses to Influenza during the 2009-2010 School Year  
<http://flu.gov/plan/school/schoolguidance.html>

**NEW**

[AUG 7] Technical Report for State and Local Public Health Officials and School Administrators on CDC Guidance for School (K-12) Responses to Influenza during the 2009-2010 School Year  
<http://flu.gov/plan/school/k12techreport.html>

**NEW**

[AUG 7] Preparing for the Flu: A Communication Toolkit for Schools (Grades K-12)  
<http://flu.gov/plan/school/toolkit.html>

**NEW**

[AUG 6] CDC Recommendations for the Amount of Time Persons with Influenza-Like Illness Should be Away from Others  
<http://www.cdc.gov/h1n1flu/guidance/exclusion.htm>

The following were updated with respect to the above:

Interim Guidance for Novel H1N1 Flu (Swine Flu):  
Taking Care of a Sick Person in Your Home  
[http://www.cdc.gov/h1n1flu/guidance\\_homecare.htm](http://www.cdc.gov/h1n1flu/guidance_homecare.htm)

What to Do If You Get Flu-Like Symptoms  
<http://www.cdc.gov/h1n1flu/sick.htm>

QUESTIONS & ANSWERS : Novel H1N1 Flu (Swine Flu)  
<http://www.cdc.gov/h1n1flu/ga.htm>

[ARCHIVE] Previous CDC documents and updates available from:  
<http://www.cdc.gov/h1n1flu/guidance/>

## Center for Infectious Disease Research and Policy

**NEW**

[AUG 11] Flu picks up in Asia with monsoon season  
<http://in.reuters.com/article/worldNews/idINIndia-41686620090811>

**NEW**

[AUG 11] Institute of Medicine [IOM] holds meeting on protective equipment for novel flu  
<http://in.reuters.com/article/worldNews/idINIndia-41686620090811>

**NEW**

[AUG 10] States to designate providers to give H1N1 vaccines  
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/news/aug1009vaccine.html>

**NEW**

[AUG 06] Resource list: updated  
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/resources/swineflu.html>

**NEW**

[AUG 05] Novel H1N1 influenza overview : updated  
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/biofacts/swinefluoverview.html>

[ARCHIVE] Current overview and older updates from CIDRAP available at:  
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/index.html>

## Health Protection Agency (UK)

**August 12: No new updates on the page as of 3pm EST**

**NEW**

[AUG 6] Weekly epidemiology update : 06 August 2009 Week 32  
[http://www.hpa.org.uk/web/HPAwebFile/HPAweb\\_C/1249543005132](http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1249543005132)

**NEW**

[AUG 6] Weekly pandemic flu update

- There is a clear indication that the number of cases in England has decreased significantly in the last week.
- Weekly GP consultation rates decreased over the last week in England, coinciding with the first full week of operation of the National Pandemic Flu Service.

- The majority of cases continue to be mild. There is no sign that the virus is changing. It is not becoming more severe or developing resistance to anti-virals.
- Producing reliable estimates at present is very challenging with the move from GP consultations to the National Pandemic Flu Service. HPA modelling gives an estimate of 30,000 new cases in England last week (range 15,000 to 85,000). There has been a decrease in estimated number of cases in all age groups and in all regions.  
*This estimate incorporates data from National Pandemic Flu Service and GP consultations.*

<http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAwebC/1248940838384>

[ARCHIVE] Swine Influenza page:

<http://www.hpa.org.uk/webw/HPAweb&Page&HPAwebAutoListName/Page/1240732817665?p=1240732817665>

## Department of Health (UK)

[JULY 2] UK Department of Health reports: *Swine flu pandemic: from containment to treatment*

<http://www.dh.gov.uk/en/Publichealth/Flu/Swineflu/InformationandGuidance/index.htm>

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

[Updated] Outbreak table

[http://www.ecdc.europa.eu/en/Health%5Ftopics/novel%5Finfluenza%5Fvirus/2009%5FOutbreak/Outbreak\\_new\\_table.aspx](http://www.ecdc.europa.eu/en/Health%5Ftopics/novel%5Finfluenza%5Fvirus/2009%5FOutbreak/Outbreak_new_table.aspx)



[AUG 12] ECDC Situation Report

- 873 new cases reported from the EU and EFTA countries, reaching a total of 35 025 cases, Spain reported 1 new death;
- 5 091 new cases including 146 fatal cases, were reported from non-EU and EFTA countries, reaching a cumulative total of 184 656 cases
- A commentary on pandemic “waves” was published.

[http://www.ecdc.europa.eu/en/files/pdf/Health\\_topics/Situation\\_Report\\_090812\\_1700hrs.pdf](http://www.ecdc.europa.eu/en/files/pdf/Health_topics/Situation_Report_090812_1700hrs.pdf)



[AUG 11] ECDC Situation Report

- 774 new cases reported from the EU and EFTA countries, reaching a total of 34 152 cases. Spain reported 1 new death;



2 308 new cases including 17 fatal cases, were reported from non-EU and EFTA countries reaching a cumulative total of 180 938 cases.

[http://www.ecdc.europa.eu/en/files/pdf/Health\\_topics/Situation\\_Report\\_090811\\_1700hrs.pdf](http://www.ecdc.europa.eu/en/files/pdf/Health_topics/Situation_Report_090811_1700hrs.pdf)

**NEW**

[AUG 10] Frequently asked questions on pandemic (H1N1) 2009

[http://www.ecdc.europa.eu/en/files/pdf/Health\\_topics/FAQ\\_Influenza\\_AH1N1\\_100809.pdf](http://www.ecdc.europa.eu/en/files/pdf/Health_topics/FAQ_Influenza_AH1N1_100809.pdf)

[ARCHIVE] Maps, surveillance summaries and previous ECDC updates available from:

<http://www.ecdc.europa.eu/en/Health%5Ftopics/novel%5Finfluenza%5Fvirus/2009%5FOutbreak/>

## World Health Organization (WHO)

WHO no longer issues the global tables showing the numbers of confirmed cases for all countries. However, as part of continued efforts to document the global spread of the H1N1 pandemic, regular updates will be provided describing the situation in the newly affected countries.

**NEW**

[AUG 12] Pandemic (H1N1) 2009 - update 61

Regions	Cumulative total	
	Cases*	Deaths
WHO Regional Office for Africa (AFRO)	591	1
WHO Regional Office for the Americas (AMRO)	102905	1274
WHO Regional Office for the Eastern Mediterranean (EMRO)	2346	7
WHO Regional Office for Europe (EURO)	Over 32000	53
WHO Regional Office for South-East Asia (SEARO)	9858	83
WHO Regional Office for the Western Pacific (WPRO)	26661	43
<b>Grand Total</b>	<b>177457</b>	<b>1462</b>

\*Given that countries are no longer required to test and report individual cases, the number of cases reported actually understates the real number of cases.

[http://www.who.int/csr/don/2009\\_08\\_12/en/index.html](http://www.who.int/csr/don/2009_08_12/en/index.html)

**NEW**

[AUG 6] Pandemic (H1N1) 2009 briefing note 7 - Pandemic influenza vaccine manufacturing process and timeline

[http://www.who.int/csr/disease/swineflu/notes/h1n1\\_vaccine\\_20090806/en/index.html](http://www.who.int/csr/disease/swineflu/notes/h1n1_vaccine_20090806/en/index.html)

**NEW**

[AUG 6] Pandemic (H1N1) 2009 briefing note 6 - Safety of pandemic

vaccines

[http://www.who.int/csr/disease/swineflu/notes/h1n1\\_safety\\_vaccines\\_20090805/en/index.html](http://www.who.int/csr/disease/swineflu/notes/h1n1_safety_vaccines_20090805/en/index.html)



[AUG 6] Transcript of WHO Virtual Press Conference of 6 August 2009 with Dr Marie-Paule Kieny, Director of the Initiative for Vaccine Research at WHO Headquarters and Gregory Hartl, Spokesperson for H1N1

[http://www.who.int/mediacentre/pandemic\\_h1n1\\_presstranscript\\_2009\\_08\\_06.pdf](http://www.who.int/mediacentre/pandemic_h1n1_presstranscript_2009_08_06.pdf)

[ARCHIVE] WHO H1N1 Guidance documents available at:

<http://www.who.int/csr/disease/swineflu/guidance/en/index.html>

[ARCHIVE] Older WHO updates available at:

<http://www.who.int/csr/disease/swineflu/en/index.html>

## Pan-American Health Organization (PAHO)



[AUG 7] Regional Update. Pandemic (H1N1) 2009. (published on August 7, 2009) As of August 7, 2009, a total of 102,905 confirmed cases have been notified in all 35 countries in the Americas Region. A total of 1,274 deaths have been detected among the confirmed cases in 20 countries of the Region.

[http://new.paho.org/hq/index.php?option=com\\_content&task=view&id=1684&Itemid=1167](http://new.paho.org/hq/index.php?option=com_content&task=view&id=1684&Itemid=1167)

[ARCHIVE] PAHO Influenza A (H1N1) Portal

[http://new.paho.org/hq/index.php?option=com\\_content&task=blogcategory&id=805&Itemid=569&lang=en](http://new.paho.org/hq/index.php?option=com_content&task=blogcategory&id=805&Itemid=569&lang=en)

## Australia and New Zealand



[AUG 12] Health Emergency Australia Pandemic (H1N1) 2009 Situation Update Bulletins for Aug 10-16. Cumulative totals up to Aug 12:

- 100 deaths
- 3371 hospitalizations

<http://www.healthemergency.gov.au/internet/healthemergency/publishing.nsf/Content/updates-16August09.htm>



[AUG 12] New Zealand Ministry of Health Situation Update 132

The total number of confirmed cases of Pandemic Influenza (H1N1) 09 swine flu is 3000, up from 2959 yesterday.

The number of deaths from Pandemic Influenza (H1N1) 09 swine flu is

14.

<http://www.moh.govt.nz/moh.nsf/indexmh/influenza-a-h1n1-update-132-120809?Open>

[ARCHIVE] New Zealand's H1N1 page  
<http://www.moh.govt.nz/influenza-a-h1n1>

[ARCHIVE] New Pandemic Phase Project - PROTECT Guidelines/Updates  
<http://www.healthemergency.gov.au/internet/healthemergency/publishing.nsf/Content/home-1>

## Notable Research Articles

Medline literature search on H1N1 (current as of today).

- Click [here](#) to run the search.

Fitzgerald DA. Human swine influenza A [H1N1]: practical advice for clinicians early in the pandemic. *Paediatr Respir Rev.* 2009 Sep;10(3):154-8. Epub 2009 Jul 16.

**NEW** [JUNE 09] Lin JY, Anderson-Shaw L. Rationing of Resources: Ethical Issues In Disasters and Epidemic Situations. *Prehospital and Disaster Medicine* 24(3)  
[http://www.moh.govt.nz/moh.nsf/Files/swineflu/\\$file/rationing-of-resources-june09.pdf](http://www.moh.govt.nz/moh.nsf/Files/swineflu/$file/rationing-of-resources-june09.pdf)

**NEW** [AUG 12] NIAID Scientists View Past Flu Pandemics for Clues to Future Course of 2009 H1N1 Virus: Flu Viruses Notoriously Unpredictable; Robust Pandemic Preparedness Efforts Crucial  
<http://www3.niaid.nih.gov/news/newsreleases/2009/fluPredictors.htm>

**NEW** [AUG 12] Morens D, Taubenberger JK. Understanding Influenza Backward *JAMA.* 2009;302(6):679-680.  
<http://jama.ama-assn.org/cgi/content/short/302/6/679>

**NEW** [AUG 7] Evaluation of Rapid Influenza Diagnostic Tests for Detection of Novel Influenza A (H1N1) Virus --- United States, 2009 *MMWR* 2009 Aug 7;58(30):826-9..  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5830a2.htm>

**NEW** [AUG 7] Enserink M. Swine flu outbreak. Worries about Africa as pandemic marches on. *Science* 2009 Aug 7;325(5941):662

NEW

[AUG 6] Rapid communications from Eurosurveillance: 2009 Aug 6;14(31).  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N31/V14N31.pdf>

Description of the early stage of pandemic (H1N1) 2009 in Germany, 27 April-16 June 2009 by Novel influenza A(H1N1) investigation team

Interim analysis of pandemic influenza (H1N1) 2009 in Australia: surveillance trends, age of infection and effectiveness of seasonal vaccination by H Kelly, K Grant

A preliminary analysis of the epidemiology of influenza A(H1N1)v virus infection in Thailand from early outbreak data, June-July 2009 by UC de Silva, J Warachit, S Waicharoen, M Chittaganpitch

Public health preparedness for two mass gathering events in the context of pandemic influenza (H1N1) 2009 - Serbia, July 2009 by G Loncarevic, L Payne, P Kon, V Petrovic, D Dimitrijevic, T Knezevic, S Medić, N Milic, J Nedeljković, K Seke, D Coulombier

Community transmission of influenza A (H1N1)v virus at a rock festival in Belgium, 2-5 July 2009 by I Gutiérrez, A Litzroth, S Hammadi, H Van Oyen, C Gérard, E Robesyn, J Bots, MT Faidherbe, F Guillaume

Henderson DA, Courtney B, Inglesby TV, Toner E, Nuzzo JB. Biosecur Bioterror. Public Health and Medical Responses to the 1957-58 Influenza Pandemic. 2009 Aug 5. [Epub ahead of print]

[AUG 4] **Editorial:** H1N1 influenza vaccine: Global access for a global problem MacDonald N. CMAJ 2009;181 123  
<http://www.cmaj.ca/cgi/content/full/181/3-4/123>

[AUG 4] **News:** Infectious disease experts expect the unexpected with respect to swine flu. Webster P. CMAJ 2009;181 E38-E39  
<http://www.cmaj.ca/cgi/content/full/181/3-4/E38>

[AUG 4] **Research:** Investigation of the first cases of human-to-human infection with the new swine-origin influenza A (H1N1) virus in Canada. Cutler J, Schleihauf E, Hatchette TF, Billard B, Watson-Creed G, Davidson R, et al., the Nova Scotia Human Swine Influenza Investigation Team. CMAJ 2009;181 159-163  
<http://www.cmaj.ca/cgi/content/full/181/3-4/159>

[AUG 4] **Review:** Modelling an influenza pandemic: A guide for the Perplexed. Pandemic Influenza Outbreak Research Modelling Team (Pan-InfORM) CMAJ 2009;181 171-173  
<http://www.cmaj.ca/cgi/content/full/181/3-4/171>

NEW

[AUG 3] Med J Aust. 2009 Aug 3;191(3)  
[http://www.mja.com.au/public/issues/191\\_03\\_030809/contents\\_030809.html](http://www.mja.com.au/public/issues/191_03_030809/contents_030809.html)

Life-threatening respiratory failure from H1N1 influenza 09 (human swine influenza).

Australia's influenza containment plan and the swine flu epidemic in Victoria.

Epidemiological characteristics of pandemic influenza H1N1 2009 and seasonal influenza infection.

Summary of the Australasian Society for Infectious Diseases and the Thoracic Society of Australia and New Zealand guidelines: treatment and prevention of H1N1 influenza 09 (human swine influenza) with antiviral agents.

[AUG 3] Swine flu incidence in England is slowing down. Siva N. BMJ. 2009 Aug 3;339:b3134.

[AUG 3] Lives on the line? Ethics and practicalities of duty of care in pandemics and disasters. Simonds AK, Sokol DK. Eur Respir J. 2009 Aug;34(2):303-9.

[JULY 31] Vaccine production capacity for seasonal and pandemic (H1N1) 2009 influenza. *Vaccine* (August 20<sup>th</sup> issue).  
<http://tinyurl.com/vaccine-27-38-5184>

[JULY 31] Supply and safety issues surrounding an H1N1 vaccine. *Lancet*.  
<http://www.thelancet.com/journals/lancet/article/PIIS0140-6736%2809%2961395-7/fulltext> (Abstract only)

NEW

[JULY 29] Swine flu vaccination in patients with egg allergy. Clin Exp Allergy. 2009 Jul 29. [Epub ahead of print]

[JULY 29] United States Government Accountability Office. Influenza Pandemic: Gaps in Pandemic Planning and Preparedness Need to Be Addressed. Statement of Bernice Steinhardt Director, Strategic Issues. Testimony before the Committee on Homeland Security, House of Representatives.  
<http://www.gao.gov/new.items/d09909t.pdf>.

[JULY 29] Rapid semi-automated Subtyping of influenza during the 2009 swine-origin influenza A H1N1 virus epidemic in Milwaukee, Wisconsin. *Journal of Clinical Microbiology*.  
<http://jcm.asm.org/cgi/reprint/JCM.00999-09v1.pdf>

Rapid communications from the July 30<sup>th</sup> issue of Eurosurveillance:

Oseltamivir adherence and side effects among children in three London schools affected by influenza A(H1N1)v, May 2009 – an internet-based cross-sectional survey  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N30/art19287.pdf>

Compliance and side effects of prophylactic oseltamivir treatment in a school in South West England  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N30/art19285.pdf>

Pandemic influenza A(H1N1)v viruses currently circulating in New Zealand are sensitive to oseltamivir  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N30/art19282.pdf>

Epidemiologic analysis of the laboratory-confirmed cases of influenza A(H1N1)v in Colombia  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N30/art19286.pdf>

How the media reported the first days of the pandemic (H1N1) 2009: results of EU-wide media analysis  
<http://www.eurosurveillance.org/images/dynamic/EE/V14N30/art19286.pdf>

[JULY 29] H1N1 2009 influenza virus infection during pregnancy in the USA  
[http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(09\)61304-0/abstract](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(09)61304-0/abstract) (Abstract only)

[JULY 27] Use of revised international health regulations during influenza A (H1N1) epidemic, 2009. *Emerg Infect Dis*. 2009; 15(8):1165-1170.  
<http://www.cdc.gov/EID/content/15/8/1165.htm>

[JULY 24] Assessment of local public health workers' willingness to respond to pandemic influenza through application of the extended parallel process model. *PLoS One*. 2009 Jul 24;4(7):e6365

<http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0006365>

[JULY 23] What infection control measures will people carry out to reduce transmission of pandemic influenza? A focus group study. BMC Public Health. 2009 Jul 23;9(1):258.  
<http://www.biomedcentral.com/content/pdf/1471-2458-9-258.pdf>

[JULY 24] ACIP. Prevention and Control of Seasonal Influenza with Vaccines. ACIP. MMWR July 24, 2009 / 58(Early Release);1-52  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/rr58e0724a1.htm>

[JULY 24] Neurologic Complications Associated with Novel Influenza A (H1N1) Virus Infection in Children --- Dallas, Texas, May 2009  
MMWR Weekly July 24, 2009 / 58(28);773-778  
[http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5828a2.htm?scid=mm5828a2\\_e/?date=072309](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5828a2.htm?scid=mm5828a2_e/?date=072309)

NEW

[JULY 23] Modelling the impact of an influenza A/H1N1 pandemic on critical care demand from early pathogenicity data: the case for sentinel reporting. Anaesthesia. 2009 Jul 23. [Epub ahead of print]

[JULY 22] EID article July 22, 2009 - Nurses' susceptibility to patients' influenza  
<http://www.cdc.gov/eid/content/15/9/pdfs/08-1475.pdf>

[JULY 21] The US Food and Drug Administration Provides and Pathway for Licensing Vaccines for Global Diseases. PLoS Medicine.  
<http://www.plosmedicine.org/article/info%3Adoi%2F10.1371%2Fjournal.pmed.1000095>

[JULY 20] Investigation of the first cases of human-to-human infection with the new swine-origin influenza A (H1N1) virus in Canada. CMAJ.  
<http://www.cmaj.ca/cgi/rapidpdf/cmaj.090859>

[JULY 20] Modelling an influenza pandemic: a guide for the perplexed. CMAJ.  
<http://www.cmaj.ca/cgi/rapidpdf/cmaj.090885>

[JULY 22] NEJM correspondence. **Rapid-test sensitivity** for Novel Swine-Origin Influenza A(H1N1) in Humans (July 20, 2009)  
<http://content.nejm.org/cgi/content/short/NEJMc0904264v1?rss=1>

[JULY 20] August issue of the Lancet Infectious Diseases articles on H1N1  
<http://www.lancet.com/journals/laninf/issue/current>

- [JULY 14] Assessing the severity of the novel influenza A/H1N1 pandemic  
Garske et al. *BMJ*.2009; 339: b2840  
[http://www.bmj.com/cgi/content/citation/339/jul14\\_3/b2840](http://www.bmj.com/cgi/content/citation/339/jul14_3/b2840)
- [JULY 9] Managing and reducing uncertainty in an emerging influenza pandemic. *N Engl J Med*. 2009 Jul 9;361(2):112-5.  
<http://content.nejm.org/cgi/content/full/361/2/112>
- [JULY 8] The 'novel' influenza A(H1N1) enigma: is it a pandemic, how should we respond, what should we call it? *Influenza Other Respi Viruses*. 2009;3(4):119-20.  
<http://www3.interscience.wiley.com/cgi-bin/fulltext/122455802/PDFSTART>
- [JULY 7] How well did health departments communicate about risk at the start of the Swine Flu epidemic in 2009? *Health Affairs*.  
<http://content.healthaffairs.org/cgi/reprint/hlthaff.28.4.w743v1.pdf>
- [JULY 2] Influenza A (H1N1) infections among healthcare workers: a cause for cautious optimism. [Epub ahead of print]. Abstract only.  
<http://www.ncbi.nlm.nih.gov/pubmed/19574241?dopt=Abstract>
- [JUNE 25] Strategy to enhance influenza surveillance worldwide. *Emerg Infect Dis*. 2009 Aug; [Epub ahead of print]  
<http://www.cdc.gov/eid/content/15/8/pdfs/08-1422.pdf>
- [JUNE 25] Origins and evolutionary genomics of the 2009 swine-origin H1N1 influenza A epidemic. *Nature* 2009; 459(7250): 1122-1125.  
<http://www.nature.com/nature/journal/v459/n7250/full/nature08182.html>
- [JUNE 19] Novel Influenza A (H1N1) Virus Infections Among Health-Care Personnel --- United States, April--May 2009. *MMWR*.  
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5823a2.htm>

**NEW**

- [JUNE 5] *N Z Med J*. 2009 Jun 5;122(1296):47-52. Psychosocial impacts of quarantine during disease outbreaks and interventions that may help to relieve strain.

## Business Resources

### Harvard Health Publications

Business Preparedness for Pandemic: Executive briefing for corporate and governmental decision-makers



[https://www.health.harvard.edu/special\\_health\\_reports/Business-Preparedness-for-Pandemic?utm\\_source=twitter&utm\\_medium=tweet&utm\\_campaign=0526\\_tw](https://www.health.harvard.edu/special_health_reports/Business-Preparedness-for-Pandemic?utm_source=twitter&utm_medium=tweet&utm_campaign=0526_tw)

Link to report from U.S. Government Accountability Office re  
Pandemic Planning and funding  
<http://www.gao.gov/new.items/d09760t.pdf>

### Canadian Business

H1N1 virus: A plan for the worst  
[http://www.canadianbusiness.com/managing/strategy/article.jsp?content=20090615\\_10014\\_10014](http://www.canadianbusiness.com/managing/strategy/article.jsp?content=20090615_10014_10014)

## Consumer Health Information Resources

Krames Patient Education Handouts - H1N1 Flu Virus  
<http://www.krames.com/swine-flu.html>

MEDLINEplus - H1N1 Flu (Swine Flu)  
<http://www.nlm.nih.gov/medlineplus/h1n1fluswineflu.html>

Specialized Information Service - National Library of Medicine  
<http://sis.nlm.nih.gov/enviro/swineflu.html>.

Tufts University - (SPIRAL) Selected Patient Information in Asian Languages  
<http://spiral.tufts.edu/topic.shtml>

## Other Scientific Resources

[JUNE 17] Barry J. White paper on novel H1N1. Engineering Systems Division Working Paper Series ESD-WP-2009-07. Massachusetts Institute of Technology (MIT) 2009. 19 pages.  
<http://esd.mit.edu/WPS/2009/esd-wp-2009-07.pdf>

## Clinical and Public Health Practice Tools

[JUNE 15] Algorithms from 18 US states to assist in decisions regarding testing and treatment of H1N1  
<http://www.smh.com/sections/services-procedures/medlib/Pandemic/Algorithms/Algorithms.html>

## Historical Resources

Swine flu of 1976: lessons from the past. An interview with Dr Harvey V Fineberg

<http://www.pubmedcentral.nih.gov/articlerender.fcgi?tool=pubmed&pubmedid=19565118>

The Persistent Legacy of the 1918 Influenza Virus. New England Journal of Medicine.

<http://content.nejm.org/cgi/reprint/NEJMp0904819.pdf>

Historical Perspective — Emergence of Influenza A (H1N1) Viruses. New England Journal of Medicine.

<http://content.nejm.org/cgi/reprint/NEJMra0904322.pdf>

Markel H, Lipman HB, Navarro JA, et al. Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic. *JAMA*. 2007;298(6):644-654.

<http://jama.ama-assn.org/cgi/content/full/298/6/644>

Interview: Swine flu of 1976: lessons from the past. Interview with Harvey V Fineberg (WHO Bulletin June 2009)

<http://www.who.int/bulletin/volumes/87/6/09-040609.pdf>

The Swine Flu Affair: Decision-Making on a Slippery Disease [1978]

[http://www.nap.edu/catalog.php?record\\_id=12660&utm\\_medium=email&utm\\_source=National%20Academies%20Press&utm\\_campaign=Swine%20Flu%203&utm\\_content=Downloader&utm\\_term](http://www.nap.edu/catalog.php?record_id=12660&utm_medium=email&utm_source=National%20Academies%20Press&utm_campaign=Swine%20Flu%203&utm_content=Downloader&utm_term)

## Travel Advisories

[MAY 19] Public Health Agency of Canada no longer recommends Canadians postpone elective or non-essential travel to Mexico  
<http://www.phac-aspc.gc.ca/tmp-pmv/2009/h1n1-mexico-090518-eng.php>