Highlights

- Updated Interim Recommendations for Obstetric Health Care Providers Related to Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season [CDC]

In the Literature

- Efficacy and economic assessment of conventional ventilatory support versus extracorporeal membrane oxygenation for severe adult respiratory failure (CESAR): a multicentre randomised controlled trial * The Lancet, Early Online Publication, 16 September 2009

- News : Chief medical officer warns that swine flu may be on the rise again Nayanah Siva BMJ 2009;339:b3863

- CMAJ News: Dispensing antivirals in remote communities

- A Call for "Smart Surveillance": A Lesson Learned from H1N1 Daszak P. Ecohealth. 2009 Sep 16. [Epub ahead of print]

- Swine flu vaccine is a "thousandfold" safer than the infection, say experts. Ellis O. BMJ. 2009 Sep 16;339:b3802. doi: 10.1136/bmj.b3802.

- Platelet dysfunction can be the hidden risk factor for death in new influenza A (H1N1). * Hernandez JM. Med Hypotheses. 2009 Sep 14. [Epub ahead of print]

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)
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  Australia and New Zealand

Other Resources
  Consumer Health Information Resources
  pH1N1 Clinical Information
  Research Articles
  Clinical and Public Health Practice Tools
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[SEP 23]  Social Media and Technology Breakthroughs: H1N1 and Seasonal Flu Communication
September 23, 2009 - 3:00 p.m. Eastern/12:00 Noon Pacific.
Free Webinar to Discuss Using Social Media to Plan and Communicate for Flu

[SEP 23]  Planning for an Influenza Pandemic in the Home Health Care Sector (Web Conference)
To showcase resources that can support emergency preparedness planning within AHRQ will host a Web conference on September 23, 2009. This event will feature a panel discussion and insights from home health care emergency preparedness planners representing different perspectives: health system, government, health policy, and industry.

[SEP 22-23]  Keeping the World Working During the H1N1 Pandemic: Protecting Employee Health, Critical Operations, and Customer Relations (Minneapolis, MN)
We're convening pandemic response experts in public and private sectors who know their business and are ready to act. By participating in this summit, you will:
- Interact with pressure-tested peers willing to share what's worked for them
- Get the straight story on vaccines, antiviral drugs, and infection control
- Benchmark pandemic HR policies on sick leave, pay, travel, & HIPAA
- Identify work-around tactics to deal with supply-chain shortages
- Turn guidance into actions that will keep you in business
- Go back to work with best-of-class knowledge and resources

Archived

[SEP 16]  COCA Conference Call: Pediatric issues related to the CDC Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season
The purpose of the call is to discuss pediatric issues related to the CDC Updated Interim Recommendations for the Use of Antiviral Medications in the Treatment and Prevention of Influenza for the 2009-2010 Season found at http://www.cdc.gov/h1n1flu/recommendations.htm
Audio: MP3 (11.57 MB)
Slides: PowerPoint (5MB, 42 slides)
Summary: Interim Transcript (101 KB, 32 pages)

[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)

- Overall, influenza activity in Ontario during week 35, 2009, was similar compared to week 34, 2009.
- Ontario health units reported 7 new confirmed cases of influenza through the integrated Public Health Information System (iPHIS). This count includes 3 laboratory confirmed cases of pH1N1, which is fewer than the 10 cases reported in week 34.
- During week 35, new laboratory confirmed cases of pH1N1 continued to be seen across the province, with a case being reported in North East, South West and Central West regions. No new institutional influenza outbreaks were reported.
- For week 35, the majority of health regions reported ‘sporadic’ level activity.
- The rate of influenza-like illness (ILI) in patients seen by sentinel physicians was above the range that is expected for this time of the year based on the average ILI rate reported in week 35 for the past 3 years.

[ARCHIVED]  Previous MOHLTC updates and news conference video footage

**Important Health Notices**

- Last H1N1 update was August 18

Ontario Agency for Health Protection and Promotion (OAHPP)

[SEP 16]  **Weekly Synthesis of Surveillance Information, Literature & Government Updates** (week ending Sep 11, 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.**

[SEP 16]  **Guidance on H1N1 vaccine sequencing**
News release: Government of Canada releases guidance on H1N1 Influenza vaccine sequencing

[SEP 17]  **Deaths Associated with H1N1 flu virus in Canada**
No new deaths reported since last update, 76 deaths in total.

[SEP 15]  **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** (Updated)

[SEP 15]  **FluWatch findings for Week 35 (week ending Sep 05)**
- Week 35 marks the start of the 2009-2010 Influenza Season
- The overall trend of influenza activity remains similar to previous week. ILI consultation rate was slightly higher than expected for this time of the year. The
The peak period of Pandemic (H1N1) 2009 occurred in the first three weeks of June.

- The intensity of Pandemic (H1N1) infection 2009 in the population is low with only a small number of hospitalizations (n=11) and two deaths reported this week. As of September 5, 2009, a total of 1,445 hospitalized cases, 285 cases admitted to an intensive care unit (ICU) and 74 deaths had been reported since the beginning of the pandemic.
- While the Pandemic (H1N1) 2009 has spread to all provinces and territories, approximately 90% of hospitalized cases and more than 85% of deaths are reported from 4 provinces (AB, MB, ON, QC).
- Children under 2 years of age, pregnant women, persons under 65 years of age with underlying medical conditions and Aboriginal populations have higher rates of hospitalizations and greater risk of severe outcomes. Aboriginal communities have more pregnant women, young children, and underlying chronic disease than the general Canadian population, which may explain the disproportionate number of severe cases in this population.

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.*

- **SEP 11** Pandemic Vaccine Prioritization Framework
- **SEP 10** Individual and Community Based Measures to Help Prevent Transmission of Influenza-Like-Illness (ILI) in the Community, Including the Pandemic Influenza (H1N1) 2009 Virus
- [ARCHIVED] Previous PHAC documents and updates

**2009 H1N1 Flu: International Situation Update**

- The 2009 H1N1 influenza virus is the predominant influenza virus in circulation worldwide.
- The epidemiology of the disease caused by the 2009 H1N1 influenza virus in the Southern Hemisphere is very similar to that described in the United States this past spring.
- There have been no significant changes detected in the 2009 H1N1 influenza virus isolated from persons in the Southern Hemisphere as compared to viruses isolated from persons in the Northern Hemisphere.
- In August, a White House report was prepared by the Department of Health and Human Services (HHS) in coordination with the Office of the Director for National Intelligence (ODNI) and the Department of State (DoS) and describes the characteristics and impact of 2009 H1N1 influenza A virus in the Southern Hemisphere. The full report can be accessed by the link provided in the Reports and Publications section below.
• Worldwide, more than 10,000 isolates of 2009 H1N1 influenza have been tested and found to be sensitive to oseltamivir, an antiviral medicine used to treat influenza disease. Only 21 2009 H1N1 isolates tested have been found to be resistant to oseltamivir – 10 of these were detected in the United States.

**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists**
August 30- September 12:
• Influenza and Pneumonia Syndrome: 3,534 hospitalized, 291 deaths
• Influenza Laboratory-tests: 1,035 hospitalized, 364 deaths

**FluView: 2008-2009 Influenza Season: Week 35 ending September 05, 2009**
Below is a summary of the most recent key indicators:
• Visits to doctors for influenza-like illness (ILI) are increasing nationally. Visits to doctors for influenza-like illness are higher than what is expected during this time of year and have increased for five consecutive weeks now. This is very unusual for this time of year.
• Total influenza hospitalization rates for adults and children are similar to or lower than seasonal influenza hospitalization rates depending on age group, but are higher than expected for this time of year.
• The proportion of deaths attributed to pneumonia and influenza (P&I) was low and within the bounds of what is expected at this time of year.
• Twenty-one states are reporting widespread influenza activity at this time. Any reports of widespread influenza activity in September are very unusual.
• Almost all of the influenza viruses identified so far are 2009 H1N1 influenza A viruses. These viruses remain similar to the viruses chosen for the 2009 H1N1 vaccine, and remain susceptible to the antiviral drugs oseltamivir and zanamivir with rare exceptions.

**Planning for 2009 H1N1 Influenza: A Preparedness Guide for Small Business** [CDC along with Department of Homeland Security and U.S. Small Business Administration]

**Asthma information for patients and parents of patients**

**Handling Instructions for 2009 H1N1 Vaccine**

**General Questions and Answers on 2009 H1N1 Influenza A Vaccine Safety**

**General Questions and Answers on Thimerosal**

**General Questions and Answers on Guillain-Barré syndrome (GBS)**

**School-Located Vaccination Planning Materials and Templates**

**Previous CDC documents and updates**
Other US Sources

[SEP 16] US Food and Drug Administration: FDA Approves Vaccines for 2009 H1N1 Influenza Virus

[SEP 15] American Public Health Association (APHA) and partners from the Expert Round Table on Social Media and Risk Communication during Times of Crisis—Special Report

[SEP 14] Statement by Dr. Anthony Fauci, Director, National Institute of Allergy and Infections Diseases, NIH, Regarding Early Results from Clinical Trials of 2009 H1N1 Influenza Vaccines in Healthy Adults

Center for Infectious Disease Research and Policy

[SEP 18] Updated: Novel H1N1 Influenza (Swine Flu)

[SEP 18] Flu cases up 21% on campuses
In its surveillance of flu-like illnesses for the week ending Sep 11, the American College Health Association (ACHA) reported 6,432 cases at 253 schools, a 21% increase from the previous week. Though the report doesn't include flu subtype, federal officials have said 98% of circulating flu viruses are the pandemic strain. Cases slowed in the southeast but increased elsewhere, particularly in Mid Atlantic and Midwestern states.

[SEP 18] Similar H1N1 strain may explain 1-dose effectiveness
The unexpectedly robust response to just one dose of pandemic H1N1 vaccine in research subjects might suggest that the vaccine boosts preexisting immunity to a similar strain that has circulated since 1977, New Scientist reported today. Experts say other factors could also play a role, such as a slight priming effect from seasonal flu vaccination or a priming effect on the cell-mediated immune system from previous seasonal flu infections.

[SEP 18] UK sees signs of 2nd pandemic wave
British health officials said today that surveillance data show a slight increase in pandemic H1N1 cases, which might herald the start of a second wave of infections, the London Telegraph reported. Suspected outbreaks have been reported at six schools, though there are no closure plans. Scottish officials also reported a rise in novel flu cases.

[SEP 18] Lab clue led researchers to immune therapy
A Melbourne scientist who recently presented a study on the use of immunoglobulin in severely ill H1N1 patients said a colleague first considered the therapy when evaluating the lab work of a rapidly declining hospitalized patient, the Canadian Press reported. Doctors noticed the patient had low IgG2 antibody levels after ordering tests on all H1N1 patients in the intensive care unit. They said IgG2 deficiency might explain why some patients become severely ill.
H1N1 said to kill at same rate as seasonal flu
The H1N1 flu death rate is lower than previously estimated and comparable to what is seen in a moderate flu season, a Harvard University expert said at a meeting in Washington.

Experts say hand washing science shaky for flu
Some infectious disease experts are questioning the science behind hand washing as a measure to curb the spread of the pandemic H1N1 virus, Newsweek reported.

Microsoft offers Web tools for teachers, sick students
Microsoft today launched a Web portal with free tools to help teachers and students manage class assignments during novel H1N1 outbreaks.

China licenses third novel flu vaccine

Glaxo awaits US approval for H1N1 vaccine

Study finds no protection from surgical masks
Surgical masks don’t protect healthcare workers, but N95 respirators do, according to a 5-week trial at 24 Chinese hospitals.

Business travel group advises curbing handshakes
The Association of Corporate Travel Executives (ACTE) yesterday urged its members to temporarily suspend business handshakes until the threat of the pandemic H1N1 virus subsides.

Studies suggest novel H1N1 patients shed virus longer
A new study suggests that patients infected with pandemic H1N1 influenza can transmit the live virus longer than previously thought, though it’s not clear if the findings will lead to changes in self-isolation recommendations.

Health Protection Agency (UK)

HPA Weekly National Influenza Report

HPA weekly pandemic flu media update

- The rates of flu-like illness and related activity have started to increase in England. The increase was mainly seen in school age children.
- Hospitalisations of people with suspected pandemic flu in England have levelled overall. The majority of cases continue to be mild.
- Two samples from UK patients have been shown to have the genetic change associated with oseltamivir resistance. Both were from immunocompromised patients. One has been shown to be resistant, the other is undergoing further tests to confirm resistance. Globally over 10,000 specimens have been tested and 23 have been shown to be resistant to oseltamivir.
- 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 5,000 new cases in England last week (range 3,000 to 11,000).
This estimate incorporates data from National Pandemic Flu Service and GP consultations.

[ARCHIVED] Swine Influenza page

Department of Health (UK)

[SEP 14] A (H1N1) Swine Influenza: Vaccination Delivery
Memo to NHS Chief Executives: Negotiations with the BMA General Practitioners Committee (GPC) to agree how the swine flu vaccine will be delivered have concluded.

[ARCHIVE] DH Pandemic Flu site

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

[SEP 18] ECDC Situation Report for Sep 18
- Weekly Influenza Surveillance Overview published;
- Two cases with oseltamivir-resistant strains identified in UK;
- Pandemic influenza A(H1N1) strain identified in pigs in Northern Ireland;
- 653 new cases reported in the EU and EFTA countries, reaching a total of 52 710 cases.

[SEP 16] ECDC issues revised planning assumptions for A(H1N1) 2009 pandemic in Europe

[SEP 15] ECDC Comment on first published trials of specific pandemic vaccines: Immune responses after one or two doses of monovalent unadjuvanted and adjuvanted influenza A (H1N1) 2009 vaccines

[SEP 18] European Influenza Surveillance Network: Weekly electronic bulletin Week 37
- Only three of 20 countries reported ILI/ARI activity above their baseline levels.
- 96% of virus detections from sentinel physicians during week 37 were influenza A(H1N1) 2009
- Seven SARI cases were reported by the Netherlands

[ARCHIVED] Maps, surveillance summaries and previous ECDC updates

European Union

[SEP 16] Pandemic (H1n1)2009. Commission of the European Communities (Brussels, 15.9.2009)
Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions.

Commission Staff Working Documents accompanying the Communication from the Commission on Pandemic (H1N1) 2009:

- Working Document on Joint procurement of vaccine against influenza A(H1N1)
- Working Document on communicating with the public and the media on Pandemic (H1N1) 2009
- Working Document on support to third countries to fight the Influenza A(H1N1)
- Regulatory process for the authorisation of antiviral medicines and vaccines in the protection against Pandemic Influenza (H1N1) 2009
- Vaccination strategies against pandemic (H1N1) 2009

Commission adopts EU strategy on Pandemic (H1N1) 2009

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.

Statement by WHO Director-General Dr Margaret Chan 18 September 2009: Pandemic vaccine donations for the developing world

Address to the Regional Committee for Europe (59th Session)
Abstract from CIDRAP: In a speech yesterday in Copenhagen, World Health Organization director-general Margaret Chan said the H1N1 pandemic is causing "manageable disruptions" in affluent countries but will likely have a "devastating impact" on developing countries that have few health resources. She predicted the pandemic will be a "watershed event" that will test the world on fairness issues. On the same day the European Commission urged members to share vaccine with developing nations.

Measures in school settings Pandemic (H1N1) 2009 briefing note 10

Pandemic (H1N1) 2009 - update 65
In the temperate region of the southern hemisphere (represented by countries such as Chile, Argentina, Australia, New Zealand, and South Africa), influenza activity continues to decrease or return to baseline.

In the temperate region of the southern hemisphere (represented by countries such as Chile, Argentina, Australia, New Zealand, and South Africa), influenza activity continues to decrease or return to baseline. Many countries in Central America and the Caribbean continue to report declining activity for the second week in a row. However, countries in the tropical region of South America (represented by countries such as Bolivia, Ecuador, and Venezuela) are...
reporting increasing levels of respiratory disease. In the tropical regions of Asia, respiratory disease activity remains geographically regional or widespread but the trend is generally increasing as noted in India, Bangladesh, and Cambodia.

In the temperate regions of the Northern Hemisphere activity is variable. In the United States, regional increases in influenza activity are being reported, most notably in the south eastern states. Most of Europe is reporting low or moderate respiratory diseases activity, but parts of Eastern Europe are beginning to report increases in activity.

[ARCHIVED]  **WHO H1N1 Guidance Documents**

[ARCHIVED]  **Older WHO Updates**

**Pan-American Health Organization (PAHO)**

[SEP 11]  **Regional Update for Sep 11: Pandemic (H1N1) 2009**

[ARCHIVED]  **PAHO Influenza A (H1N1) Portal**

**Australia and New Zealand**

[SEP 18]  **Australia National H1N1 Influenza 09 Update**

- At noon today Australia has 36,237 confirmed cases of pandemic (H1N1) 2009.
- The number of deaths associated with pandemic (H1N1) 2009 continues to increase. As of 18 September, 172 people have died. Of these deaths, four were pregnant women and 24 (13.95%) were Indigenous.
- There are currently 303 people in hospital around Australia with pandemic (H1N1) 2009. Of these, 13 of the people in hospital are Indigenous Australians. There are 59 people in Intensive Care Units at present.
- The total number of hospitalisations in Australia since pandemic (H1N1) 2009 is identified at 4,698.

[SEP 16]  **New Zealand Pandemic Influenza (H1N1) 09 Swine Flu - Update 151**

- There are a total of 3152 confirmed cases of Pandemic Influenza (H1N1) 09 swine flu, compared with 3151 on 11 September.
- The number of deaths from Pandemic Influenza (H1N1) swine flu where swine flu was a primary cause remains at 17. Other deaths are being investigated by the Coroner's office.
- As at midday today, only one person was reported to be in hospital with pandemic Influenza (H1N1) 09 or its complications.

[ARCHIVED]  **New Zealand's H1N1 page**

[ARCHIVED]  **New Pandemic Phase (PROTECT) Guidelines** [Australia]

**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)

- **[SEP 18]** Efficacy and economic assessment of conventional ventilatory support versus extracorporeal membrane oxygenation for severe adult respiratory failure (CESAR): a multicentre randomised controlled trial *
  The Lancet, Early Online Publication, 16 September 2009

- **[SEP 18]** News: Chief medical officer warns that swine flu may be on the rise again
  Nayanah Siva BMJ 2009;339:b3863

- **[SEP 18]** CMAJ News: Dispensing antivirals in remote communities

- **[SEP 18]** A Call for "Smart Surveillance": A Lesson Learned from H1N1. *
  Daszak P. Ecohealth. 2009 Sep 16. [Epub ahead of print]

- **[SEP 18]** Swine flu vaccine is a "thousandfold" safer than the infection, say experts.
  Ellis O. BMJ. 2009 Sep 16;339:b3802. doi: 10.1136/bmj.b3802.

- **[SEP 18]** Platelet dysfunction can be the hidden risk factor for death in new influenza A (H1N1).*

- **[SEP 18]** Influenza A(H1N1) and infection control guidelines for optometrists.*

- **[SEP 17]** Antiviral drug treatment for emerging swine flu.*

- **[SEP 17]** Altered Standards of Care During an Influenza Pandemic: Identifying Ethical, Legal, and Practical Principles to Guide Decision Making.*
Real-time case fatality analysis points to emerging evidence of increasing severity of pandemic (H1N1) 2009.*

Strategies for mitigating an influenza pandemic with pre-pandemic H5N1 vaccines.*

Pandemic influenza communication: views from a deliberative forum.*

Managing risk around influenza A (H1N1) (swine flu)--what employers should know.*

H1N1 warns of public-health deficiencies.*

Poverty, Wealth, and Access to Pandemic Influenza Vaccines
Yamada T. NEJM. 2009 Sep;361:1129-1131.

CMAJ News: Swine flu breaks out on Vancouver Island

CMAJ News: Improved flu screening needed at airports

Economic consequences to society of pandemic H1N1 influenza 2009 – preliminary results for Sweden.

Sub-optimal hand sanitiser usage in a hospital entrance during an influenza pandemic, New Zealand, August 2009.

Perspective – Yes or No to a Mandate for Health Care Workers Flu Vaccination
Nuttyn CJ, R.N, Gerardi T. Elsevier Global Medical News

Behavioural responses to influenza pandemics: What do we know?

Formal kinetics of H1N1 epidemic
Gurevich KG. Theoretical Biology and Medical Modelling 2009, 6:23.

Letter to the Editor: Influenza A (H1N1) 2009 monovalent vaccine: Laboratory confirmation of vaccine breakdowns*
Arya SC, Nirmala A. Vaccine. [Epub ahead of print]
What Mexico Taught the World About Pandemic Influenza Preparedness and Community Mitigation Strategies*  

CDC Names H1N1 Vaccine Priority Groups  

News: Swine flu vaccine is a "thousandfold" safer than the infection, say experts  

Clinical review: Recommendations for the administration of influenza vaccine in children allergic to egg  

News: GPs are to be paid £5.25 a shot for swine flu vaccination  
BMJ 2009;339:b3815. doi:10.1136/bmj.b3815

Preparedness planning for pandemic influenza among large US maternity hospitals  

Altered Standards of Care During an Influenza Pandemic: Identifying Ethical, Legal, and Practical Principles to Guide Decision Making  

Influenza vaccination attitudes and practices among US registered nurses  

Possible link between El Nino and Influenza resurgence?  
ScienceDaily. Sep. 15, 2009

Swine CAFOs & novel H1N1 flu: separating facts from fears  
Schmidt CW. Environ Health Perspect. 2009 Sep;117(9):A394-401.

Letter: Influenza A (H1N1) pandemic: true or false alarm.*  

Editorial: Influenza A (H1N1) pandemic: true or false alarm.*  
The emergence of the novel H1N1 virus: implications for global mental health.*
Chan SS, Lam LC, Chiu HF. Int Psychogeriatr. 2009 Sep 14:1-3. [Epub ahead of print]

Intensive care adult patients with severe respiratory failure caused by Influenza A (H1N1)v in Spain.

Physicians, CIHR call for more H1N1 research funds

Preparing for pandemic (H1N1) 2009

Stockpile of personal protective equipment in hospital settings: Preparedness for influenza pandemics*
Hashikura MBS, Kizu J. American Journal of Infection Control. [Epub ahead of print]

Mental health charities object to contingency plans for flu epidemic*
Ellis O. BMJ 2009;339:b3756. doi:10.1136/bmj.b3756

Course of flu epidemic is hard to predict, says UK government adviser
Mashta O. BMJ 2009;339:b3746. doi:10.1136/bmj.b3746

China gears up for swine flu vaccination as virus spreads inland
Parry J. BMJ 2009;339:b3778. doi:10.1136/bmj.b3778

Use of cumulative incidence of novel influenza A/H1N1 in foreign travellers to estimate lower bounds on cumulative incidence in Mexico.

Business Resources

Harvard Health Publications

[ARCHIVED] Business Preparedness for Pandemic: Executive Briefing for Corporate and Governmental Decision-makers

[ARCHIVED] Link to report from U.S. Government Accountability Office re Pandemic Planning and funding

Canadian Business

[ARCHIVED] H1N1 virus: A Plan for the Worst
Consumer Health Information Resources

[ARCHIVED] Krames Patient Education Handouts - H1N1 Flu Virus

[ARCHIVED] MEDLINEplus - H1N1 Flu (Swine Flu)

[ARCHIVED] Specialized Information Service - National Library of Medicine

[ARCHIVED] Tufts University - (SPIRAL) Selected Patient Information in Asian Languages

Clinical and Public Health Practice Tools

[AUG 18] Infectious Disease Outbreaks: Tools and Strategies for Front-line Clinicians
Created in consultation with front-line clinicians and infectious disease experts from across Canada, this course is evidence-based and focuses on the coordination between clinical care, public health and the laboratory.

[JUNE 15] Algorithms from 18 US States to Assist in Decisions Regarding Testing and Treatment of H1N1

Historical Resources


[JUN 29] Historical Perspective — Emergence of Influenza A (H1N1) Viruses. New England Journal of Medicine

[ARCHIVED] Nonpharmaceutical Interventions Implemented by US Cities During the 1918-1919 Influenza Pandemic
Travel Advisories

[AUG 28]  Travel Health Notice: Human Swine Influenza in United States

[AUG 28]  Travel Health Notice: Swine Flu in California and Texas

[MAY 19]  Public Health Agency of Canada no longer recommends Canadians postpone elective or non-essential travel to Mexico