Overview

- Ontario: 277 hospitalizations and 16 deaths in Ontario to date
- Canada: 50 deaths as of July 21, 2009
- New articles in CMAJ:
  - Investigation of the first cases of human-to-human infection with the new swine-origin influenza A (H1N1) virus in Canada
    http://www.cmaj.ca/cgi/reprint/181/3-4/159
  - Modelling an influenza pandemic: a guide for the perplexed
    http://www.cmaj.ca/cgi/reprint/181/3-4/171
  - Infectious disease experts expect the unexpected with respect to swine flu
    http://www.cmaj.ca/cgi/reprint/181/3-4/171
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Updates by Jurisdiction

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

Canada
- Public Health Agency of Canada (PHAC)

United States
- Centers for Disease Control and Prevention (CDC)
- Center for Infectious Disease Research & Policy

Europe
- United Kingdom’s Health Protection Agency (HPA)
- European Centre for Disease Control and Prevention (ECDC)

International
- World Health Organization (WHO)
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Other Resources
- Consumer Health Information Resources
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Events

Current / Upcoming

[**JULY 29**] Special Advisory Committee on Immunization Practices (ACIP) meeting on Novel Influenza A (H1N1). 8:00a.m. - 3:00p.m (Atlanta, Georgia). Deadline for online registration for non-US Citizens: July 20, 2009.

http://www.cdc.gov/vaccines/recs/acip/meetings.htm#register

Agenda now available at:

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

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

Archived

[**JULY 15**] COCA Conference Call: H1N1 Vaccine
Date: Wednesday, July 15, 2009
Time: 3:00 PM - 4:00 PM ET
Call-in number: 888-283-2960 (Passcode: 2822773)
The PowerPoint Presentation available on the COCA website:
http://emergency.cdc.gov/coca/callinfo.asp

[**JULY 9**] H1N1 Preparedness Summit (Bethesda, Maryland)
All-day H1N1 Flu Preparedness Summit to further prepare the nation for the possibility of a more severe outbreak of H1N1 flu in the fall. Federal, state and local officials, emergency managers, educators and others will discuss lessons learned during the spring and summer H1N1 wave, and discuss best practices and preparedness priorities.

http://www.pandemicflu.gov/

Ministry of Health and Long-Term Care (MOHLTC)
The MOHLTC posts case count updates on Friday

277 hospitalizations and 16 deaths in Ontario to date

[JULY 11] Current Influenza Bulletin  
http://www.health.gov.on.ca/english/public/updates/archives/hu_09/sf_weekly_update.html#h1n1_map

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

Important Health Notices

Last H1N1 update on June 11

Ontario Agency for Health Protection and Promotion (OAHPP)

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

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.

[ARCHIVE] Bi-weekly and cumulative number of deaths due to Pandemic (H1N1) 2009, by province/territory, Canada, as of 21 July, 2009, 11h00 EDT: Saskatchewan 1; Ontario 1; Quebec 2; Nunavut 1; Cumulative total 50.

[ARCHIVE] Canada releases new H1N1 outbreak guidelines for closed facilities  

[ARCHIVE] Interim Guidance for Ambulatory Care of Influenza-Like Illness in the context of H1N1 influenza virus  
As of 15 July, 2009, a total of 10,156 laboratory-confirmed cases of Pandemic (H1N1) 2009, including 1,115 hospitalizations and 45 deaths, have been reported in Canada from all provinces and territories.


[ARCHIVE] Previous PHAC documents and updates available from:

**Centers for Disease Control and Prevention (CDC)**

The CDC posts case count updates on Friday.

**[JULY 17]** November H1N1 Flu Situation Update:
40,617 probable cases
263 deaths
http://www.cdc.gov/h1n1flu/update.htm

**[JULY 20]** New H1N1 Influenza Vaccine Q &A
http://www.cdc.gov/h1n1flu/vaccination/public/vaccination_qa_pub.htm

**[JULY 16]** Home Care Guidance: Physician Directions to Patient/Parent
http://www.cdc.gov/h1n1flu/guidance_homecare_directions.htm

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

**American College of Emergency Physicians**

**[JULY 6]** National Strategic Plan for Emergency Department Management of Outbreaks of Novel H1N1 Influenza
http://www.acep.org/WorkArea/DownloadAsset.aspx?id=45781

**Center for Infectious Disease Research and Policy**

**[JULY 21]** FDA approves seasonal flu vaccines
http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/news/jul2109fda_mws.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)

[JULY 16] HPA Weekly National Influenza Report (Week 29)
http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1247728935374

[ARCHIVE] Swine Influenza page:

Department of Health (UK)

[JULY 16] National swine flu phone line launched
http://www.timesonline.co.uk/tol/life_and_style/health/article6716072.ece

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

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

[JULY 21] ECDC Situation Report
- 212 new cases (no new deaths) confirmed and reported from the EU and EFTA countries, reaching a total of 17,181;
- 4,063 new cases reported from non-EU and EFTA countries, reaching a total of 126,660;
- South Korea raised the national alert level for swine flu.

[JULY 20] Interim risk assessment" for the influenza A(H1N1) 2009 pandemic.

[JULY 20] Managing schools during current A(H1N1) 2009-10 pandemic
[JULY 17] Analysis of influenza A(H1N1)v individual case reports in EU and EEA countries

[JULY 17] Protocols for case-control studies to measure influenza vaccine effectiveness in the EU and EEA Member States

[JULY 17] Protocols for cohort database studies to measure influenza vaccine effectiveness in the EU and EEA Member States

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

World Health Organization (WHO)

[JULY 16] Changes in reporting requirements for pandemic (H1N1) 2009 virus infection.
WHO will no longer issue 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.

[JULY 21] Availability of vaccine potency testing reagents for pandemic (H1N1) 2009 virus vaccines [published 14 July 2009, posted 21 July 2009]

[ARCHIVE] WHO H1N1 Guidance documents available at:

[ARCHIVE] Older WHO updates available at:
Pan-American Health Organization (PAHO)

[JULY 21] Due to the changes in epidemiological surveillance of the Pandemic (H1N1) 2009 published by the World Health Organization, the July 21, 2009 Regional Update will not be published. Past Alerts and past Regional Updates remain available at:

[JULY 14] Highlights from the High-Level Cancun Meeting
http://new.paho.org/hq/index.php?option=com_content&task=view&id=1577&Itemid=1

[ARCHIVE] PAHO Influenza A (H1N1) Portal

Australia and New Zealand

[JULY 22] Health Emergency Australia Pandemic (H1N1) 2009 Situation Update
Cumulative totals: 14,703 cases, 1662 hospitalizations, 41 deaths

[JULY 22] Australian H1N1 vaccine clinical trials underway

[JULY 21] New Zealand update
http://www.scoop.co.nz/stories/GE0907/S00105.htm

[JULY 17] Pregnant Women Told to Don Masks During the Outbreak

[ARCHIVE] New Pandemic Phase Project - PROTECT Guidelines/Updates
Business Resources

Harvard Health Publications

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

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

Canadian Business

H1N1 virus: A plan for the worst
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

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

Notable Research Articles

[JULY 22] CMAJ Articles released July 20th:

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

Modelling an influenza pandemic: a guide for the perplexed
http://www.cmaj.ca/cgi/rapidpdf/cmaj.090885
Infectious disease experts expect the unexpected with respect to swine flu
http://www.cmaj.ca/cgi/rapidpdf/cmaj.091176

[July 22] EID article July 22, 2009 - Genomic diversity of Oseltamivir-resistant H1N1
http://www.cdc.gov/eid/content/15/9/pdfs/09-0452.pdf

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

http://www.plosmedicine.org/article/info%3Adoi%2F10.1371%2Fjournal.pmed.1000095

[July 20] NEJM article - Pneumonia and respiratory failure from swine-origin Influenza A (H1N1) in Mexico (July 20, 2009)
http://content.nejm.org/cgi/content/short/NEJMoa0904252v1?rss=1

[July 20] NEJM article - Severe respiratory disease concurrent with the circulation of H1N1 Influenza (July 20, 2009)
http://content.nejm.org/cgi/content/short/NEJMoa0904023v1?rss=1

[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

http://www.nature.com/nature/journal/vnfv/ncurrent/abs/nature08260.html

http://www.bmj.com/cgi/content/citation/339/jul14_3/b2840

http://www.cdc.gov/mmwr/preview/mmwrhtml/mm58d0710a1.htm

http://content.nejm.org/cgi/content/full/361/2/112

http://content.nejm.org/cgi/reprint/361/2/212.pdf

http://content.nejm.org/cgi/reprint/361/2/115.pdf

[JULY 8] Hampson A. 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

http://content.healthaffairs.org/cgi/reprint/hlthaff.28.4.w743v1.pdf

http://www.cdc.gov/eid/content/15/8/pdfs/08-1422.pdf

http://www.nature.com/nature/journal/v459/n7250/full/nature08182.html

http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5823a2.htm

http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=19228

Other Scientific Resources


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

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

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

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

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

**Travel Advisories**

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