Overview

- Ontario: 18 deaths in Ontario to date
- Canada: 56 deaths as of July 23, 2009
  - 48 cases currently hospitalized

Highlights

- Health Canada - Interim Guidance for emergency use of oseltamivir (Tamiflu®) in children under one year of age in the context of 2009 (H1N1) pandemic

- Europe fast-tracking swine flu vaccine
  http://news.yahoo.com/s/ap/20090726/ap_on_he_me/eu_med_swine_flu_vaccine_fast_track

- Mexico prepares for more swine flu as cases rise in Chiapas
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 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)
Pan American Health Organization (PAHO)
Australia

Other Resources

Consumer Health Information Resources
Research Articles
Other Scientific Resources
Clinical and Public Health Practice Tools
Historical Resources
Travel Advisories
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:

Archived

[JULY 23] FDA: July 23, 2009: Vaccines and Related Biological Products Advisory Committee Meeting Announcement
http://www.fda.gov/AdvisoryCommittees/Calendar/ucm170908.htm

[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)

[July 24] Ontario Influenza Bulletin: Surveillance Week 28 (July 12, 2009–July 18, 2009). Note: Death and hospitalization information among Novel H1N1 Influenza A virus confirmed cases is current as of July 22, 2009

- 18 deaths have been reported among confirmed H1N1 cases.
- 52 people who have the H1N1 flu virus were in hospital as of 8:30 a.m. on July 22, a number of whom have underlying medical conditions. 249 other people have been hospitalized for further assessment and have since been discharged.
- Fewer hospitalized cases and fewer deaths were reported this week in comparison with last week.


[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)

[July 17] H1N1 Weekly Literature


[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.

[July 24] Deaths from July 21 to July 23: 6 - British Columbia 1; Alberta 1; Manitoba 1; Ontario 2; Quebec 1; Cumulative total 55.
JULY 24  Interim Guidance for emergency use of oseltamivir (Tamiflu® ) In children under one year of age in the context of 2009 (H1N1) pandemic  

JULY 24  News release: Canada takes further action to better understand the H1N1 virus.  

ARCHIVE  Previous PHAC documents and updates available from: 

Centers for Disease Control and Prevention (CDC)  
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.

JULY 24  Novel H1N1 Flu Situation Update:  
43,771 probable cases 
302 deaths  
http://www.cdc.gov/h1n1flu/update.htm

JULY 24  H1N1 Monitoring Questions & Answers  
http://www.cdc.gov/h1n1flu/reportingqa.htm

JULY 24  Novel H1N1 Vaccination Guidance for State, Local and Territorial Health Officials  
http://www.cdc.gov/h1n1flu/vaccination/statelocal/

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
Health Protection Agency (UK)

[JULY 23] HPA Weekly Pandemic Flu Update

http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1247816573986

[ARCHIVE] Swine Influenza page:

Department of Health (UK)

[JULY 23] National Pandemic Flu Service goes online
http://www.dh.gov.uk/en/Publichealth/Flu/Swineflu/DH_103203

[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 27] ECDC Situation Report

- 144 new cases (none fatal) were confirmed and reported from the EU and EFTA countries reaching a total of 20,656;
- 3,607 new cases reported from non-EU and EFTA countries, reaching a total of 143,133;
- The number of confirmed cases reported is based on laboratory test results, except for the US. Depending on the national laboratory testing policies, the actual number of cases by country may therefore be higher. Several countries have now announced recommendations on treatment on clinical signs only for specific population groups or in outbreaks. For these countries, the reported number of cases presented in this report will severely underestimate the true incidence in the country and will not
be comparable to countries still recommending laboratory tests of all suspected influenza cases.


[JULY 24] Pandemic (H1N1) 2009: Analysis of individual case reports in EU and EEA countries

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

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.

[JULY 27] Pandemic (H1N1) 2009 - update 59

<table>
<thead>
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<th>Regions</th>
<th>Cumulative total</th>
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<tr>
<td></td>
<td>Cases*</td>
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<td>WHO Regional Office for Africa (AFRO)</td>
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<td>WHO Regional Office for the Western Pacific (WPRO)</td>
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<tr>
<td>Grand Total</td>
<td>134503</td>
</tr>
</tbody>
</table>

*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.

Instructions for transport of virus cultures (i.e. virus isolates) of candidate reassortant vaccine viruses of pandemic (H1N1) 2009 virus

Pandemic (H1N1) 2009 briefing note 4 :Preliminary information important for understanding the evolving situation

WHO H1N1 Guidance documents available at:

Older WHO updates available at:

Pan-American Health Organization (PAHO)

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:

PAHO Influenza A (H1N1) Portal

Australia and New Zealand

Health Emergency Australia Pandemic (H1N1) 2009 Situation Update Bulletin
17,061 cases, 50 deaths and 378 hospitalizations

New Zealand update
2662 cases, 12 deaths
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

Medline literature search on H1N1 (current as of today).
- Click here to run a search.


Prevention and Control of Seasonal Influenza with Vaccines Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2009. MMWR July 24, 2009 / 58 (Early Release);1-52. http://www.cdc.gov/mmwr/preview/mmwrhtml/rr58e0724a1.htm

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?cid=mm5828a2_e/?date=072309
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

August issue of the Lancet Infectious Diseases articles on H1N1
http://www.lancet.com/journals/laninf/issue/current

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

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

Gavin J. D. Smith, Justin Bahl, Dhanasekaran Vijaykrishna, Jinxia Zhang, Leo L. M. Poon, Honglin Chen, Robert G. Webster, J. S. Malik Peiris, and Yi Guan. Dating the emergence of pandemic influenza viruses. PNAS 2009 106:11709-11712; published online before print July 13, 2009, oi:10.1073/pnas.0904991106

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

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.
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


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

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

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