

H1N1 Flu Virus (Human Swine Influenza)

Information Resources

(last updated June 1st, 2009, 5pm)

Overview

- Confirmed cases in Ontario as of **June 1st, 3pm**: 715
- Confirmed cases in Canada as of **May 29, 3pm**: 1,336 (incl. 1 death in AB, 1 in Ontario)
- Confirmed cases worldwide as of **June 1st, 6am GMT**: 17 410 (incl. 115 deaths)
 - WHO pandemic level: 5

MOHLTC Media lines

General Public: Info Line 1-866-532-3161

Media: Media line 416-314-6197 or 1-888-414-4774

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 \(HPA\)](#)
[European Centre for Disease Control and Prevention \(ECDC\)](#)

International

[World Health Organization \(WHO\)](#)
[Pan American Health Organization \(PAHO\)](#)

Live Searches, News Feeds and Disease Tracking Tools

[Google news search](#)
[Mapping resources](#)
[Twitter feeds](#)

Other Resources

[Scientific Resources](#)
[Research Articles](#)
[Historical Resources](#)
[Travel Advisories](#)

Events

Upcoming

Nothing of interest.

Archived

[MAY 17] *The Lancet* co-hosted a session on influenza A H1N1 at the European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) in Helsinki, Finland. Video highlights available at link below.
www.TheLancet.com/H1N1-flu.

[MAY 8] Friday May 8, 8pm EST: "The Agenda" on TVO
The science and politics of swine flu with guests Vivek Goel, Allison McGeer, Andrew Nikiforuk, and Peter Singer.

Ministry of Health and Long-Term Care (MOHLTC)



[JUNE 1] 715 cases in Ontario.

http://www.health.gov.on.ca/english/media/news_releases/archives/nr_09/may/nr_20090529.html

[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

Important Health Notices

No new H1N1 notices since May 19.

Ontario Agency for Health Protection and Promotion (OAHPP)

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

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

Public Health Agency of Canada (PHAC)



As of May 29 2009, a total of 1336 laboratory-confirmed cases of H1N1 flu virus have been reported in 9 provinces and 2 territories in Canada

Table 1: Summary of laboratory-confirmed cases of H1N1 flu virus reported to the Public Health Agency of Canada, by the provinces and territories as of May 29, 2009 at 15:00 EDT.

Province / Territory	¹ NEW Laboratory-Confirmed Cases reported since May 27, 2009	TOTAL Laboratory-confirmed Cases (including today's cases)	Total Deaths ²
British Columbia	2	122	0
Alberta	12	121	1
Saskatchewan	19	123	0
Manitoba	5	11	0
Ontario	131	626	1
Quebec	46	253	0
New Brunswick	0	2	0
Nova Scotia	2	73	0
Prince Edward Island	0	3	0
Newfoundland	0	0	0
Yukon	0	1	0
Northwest Territories	0	0	0
Nunavut	1	1	0
Total	218	1,336	2

¹ Note: P/Ts may choose to announce cases that have been confirmed after 15:00 EDT. These cases will be reflected in the next epidemiological update.

² Number of deaths is included in the number of cases

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

[ARCHIVE] Previous PHAC documents and updates available from:
http://www.phac-aspc.gc.ca/alert-alerte/swine_200904-eng.php

Centers for Disease Control and Prevention (CDC)



[JUNE 1, 11am] Confirmed and probable cases in the US: 10,053 (incl. 17 deaths)

51 states affected (includes District of Columbia).

Updates are provided Mon, Wed, and Fri.

Status: Public Health Emergency

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



[MAY 30] General Business and Workplace Guidance for the Prevention of Novel Influenza A (H1N1) Flu in Workers

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

[ARCHIVE] Previous CDC documents and updates available from:

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

Center for Infectious Disease Research and Policy

[ARCHIVE] Older updates from CIDRAP available at:

<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/index.html>

Health Protection Agency (UK)



[JUNE 1] Confirmed swine flu cases in UK: **255**

http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAweb_C/1243838495177

[ARCHIVE] Swine Influenza page:

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

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



[JUNE 1, 17:00] Situation report: **578** confirmed cases in EU/EFTA countries
Developments in the past 24 hours:

21 new cases confirmed from EU/EFTA countries in the last 24 hours;

Bulgaria reports its first confirmed case;

New non-EU/EFTA countries reporting confirmed cases include Jamaica and Vietnam.

http://ecdc.europa.eu/en/files/pdf/Health_topics/Situation_Report_090601_1700hrs.pdf



Executive Science Update No. 7: ECDC's reponse to influenza A(H1N1)
http://www.ecdc.europa.eu/en/Insight_Exec_Sci_update/Files/Executive_Science_Update_June_2009.pdf

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

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

World Health Organization (WHO)



[JUNE 1] WHO Update 42: As of 06:00 GMT, 62 countries have officially reported 17 410 cases of influenza A(H1N1) infection, including 115 deaths.

http://www.who.int/csr/don/2009_06_01a/en/index.html



[JUNE 1] Today's WHO Outbreak Map

http://www.who.int/csr/don/2009_06_01a/en/index.html



[MAY 28] Update of WHO biosafety risk assessment and guidelines for the production and quality control of human influenza pandemic vaccines

http://www.who.int/biologicals/publications/trs/areas/vaccines/influenza/H1N1_vaccine_production_biosafety_SHOC.27May2009.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)



[MAY 31] Influenza A(H1N1) Regional Report (Epidemiological)

Up to 31 May 2009, **16,018 confirmed cases** of the new virus influenza A (H1N1) infection, including **115 deaths**, have been notified in **22 countries of the Americas**: Argentina, Bahamas, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Paraguay, Panama, Peru, United States, Uruguay and Venezuela.

http://new.paho.org/hq/index.php?option=com_content&task=view&id=1439&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

Google News Search on Swine Flu

[MAY 22] Results are refreshed each time you click on the link.

<http://www.google.com/cse?cx=014077570761466621685%3As7g-vqi-dmo&cof=FORID%3A11&q=swine+flu&sa=search+influenza+sites>

Mapping Resources

World Health Organization interactive timeline map of cases: view the number of cases reported on any given day since April 26, 2009

http://www.who.int/csr/disease/swineflu/history_map/InfluenzaAH1N1_maps.html

Pan-American Health Organization: Atlas to Confirmed Cases of Influenza A(H1N1)

<http://ais.paho.org/flu/sm/en/atlas.html>

HealthMap: Swine flu global disease alert map

<http://www.healthmap.org/en>

Google: Swine flu map

<http://maps.google.com/maps/ms?ie=UTF8&hl=en&t=p&msa=0&msid=106484775090296685271.0004681a37b713f6b5950&z=2>

Twitter Feeds, Weblogs, RSS Feeds, etc

World Health Organization News on Twitter

<http://twitter.com/whonews>

Health Map on Twitter

<http://twitter.com/healthmap>

Avian/Pandemic Influenza Daily Digest on Twitter

<http://twitter.com/AIDigest>

CDC swine flu updates on Twitter

<http://twitter.com/cdcemergency>

Avian/Pandemic Influenza Daily Digest Blog

<http://aidailydigest.blogspot.com/>

Avian/Pandemic Influenza Daily Digest RSS Feed
http://twitter.com/statuses/user_timeline/32957440.rss

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

Canadian Business

H1N1 virus: A plan for the worst
http://www.canadianbusiness.com/managing/strategy/article.jsp?content=20090615_10014_10014

Scientific Resources

American Journal of Epidemiology (AJE)

AJE H1N1 Collection (all articles freely available)
<http://aje.oxfordjournals.org/collections/>

American Society for Microbiology

Research Publications on Influenza A(H1N1)
<http://tinyurl.com/asmh1n1>.

BioMed Central

Influenza Gateway (all articles freely available)
<http://www.biomedcentral.com/gateways/influenza>

British Medical Journal

Podcast: Swine flu: planning
<http://podcasts.bmj.com/bmj/2009/05/26/swine-flu-planning/>

Centre for Agriculture and Biosciences International (CABI)

Global Health database: international coverage of all aspects of human health from the Centre for Agriculture and Biosciences International.
<http://217.154.120.6/GLOBALHEALTH/searchform-quicksearch.nsp>

↳ Related: Swine flu **dashboard** from CABI.org
<http://www.netvibes.com/cabialerts>

DynaMed

Clinical summaries on Swine Flu & H1N1: free access courtesy of EBSCO
<http://www.ebscohost.com/dynamed/swineflu/> and
<http://www.ebscohost.com/dynamed/h1n1/>

Epidemiologic Reviews

H1N1 Collection (all articles freely available)
<http://epirev.oxfordjournals.org/collections/>

Eurosurveillance

2009 May 28: 14(21)
<http://www.eurosurveillance.org/>

Human/Swine A/H1N1 Influenza Origins and Evolution

<http://tree.bio.ed.ac.uk/groups/influenza/>

Lancet

H1N1 Flu Resource Centre (contains content from numerous Elsevier journals)
<http://www.TheLancet.com/H1N1-flu>

Medline

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

Nature

Swine Flu attention turns to the tropics
<http://www.nature.com/news/2009/090527/full/459490a.html>

Swine Flu Tracker
<http://www.nature.com/news/specials/swineflu/index.html>

New England Journal of Medicine (NEJM)

NEJM H1N1 Influenza Center
<http://h1n1.nejm.org/>

Science

Science Insider Swine Flu Archives
<http://blogs.sciencemag.org/scienceinsider/swine-flu/>

Thomson Reuters

Free H1N1 briefing (updated daily) from *Proux Science Integrity*® portal
<http://science.thomsonreuters.com/pharma/h1n1/>

New & Notable Research Articles

M. Lipsitch, et al. Managing and Reducing Uncertainty in an Emerging Influenza Pandemic *NEJM* 2009 May 28: 360(22)
ONLINE FIRST [Free Full Text](#)

V. Trifonov, et al. Geographic Dependence, Surveillance, and Origins of the 2009 Influenza A (H1N1) Virus *NEJM* 2009 May 28: 360(22)
ONLINE FIRST [Free Full Text](#)

Garten Rj et al. Antigenic and Genetic Characteristics of Swine-Origin 2009 A(H1N1) Influenza Viruses Circulating in Humans. Published Online May 22, 2009 *Science* DOI: 10.1126/science.1176225. Abstract only.
<http://www.sciencemag.org/cgi/content/abstract/1176225>

Hobday RA, Cason. The Open-Air Treatment of Pandemic Influenza. *Am J Public Health*. 2009 May 21. [Epub ahead of print]
<http://www.ajph.org/cgi/content/abstract/AJPH.2008.134627v1>

Serum Cross-Reactive Antibody Response to a Novel Influenza A (H1N1) Virus After Vaccination with Seasonal Influenza Vaccine. 2009 May 22;58(19):521-524.
<http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5819a1.htm>

J.A. Belser et al. Past, Present, and Possible Future Human Infection with Influenza Virus A Subtype H7. *Emerging Infectious Diseases*. 2009 June;15(6):859-865.
<http://www.cdc.gov/eid/content/15/6/pdfs/859.pdf>

R. Proff et al. Case-based Surveillance of Influenza Hospitalizations during 2004–2008, Colorado, USA. 2009 June;15(6):892-898.
<http://www.cdc.gov/eid/content/15/6/pdfs/892.pdf>

P.K.C. Cheng et al. Oseltamivir- and Amantadine-Resistant Influenza Viruses A (H1N1). 2009 June;15(6):966-968.
<http://www.cdc.gov/eid/content/15/6/pdfs/966.pdf>

L.J. Radonovich et al. Stockpiling Supplies for the Next Influenza Pandemic. 2009 June;15(6): online only.
<http://www.cdc.gov/eid/content/15/6/e1.htm>

Shetty P. Preparation for a pandemic: influenza A H1N1. Lancet Infectious Diseases. 2009 June;9(6):339-340. Abstract only.

[http://www.lancet.com/journals/laninf/article/PIIS1473-3099\(09\)70130-6/fulltext](http://www.lancet.com/journals/laninf/article/PIIS1473-3099(09)70130-6/fulltext)

Putting influenza A H1N1 in its place [editorial]. The Lancet Infectious Diseases. 2009 June;9(6):331. Abstract only.

[http://www.thelancet.com/journals/laninf/article/PIIS1473-3099\(09\)70134-3/fulltext](http://www.thelancet.com/journals/laninf/article/PIIS1473-3099(09)70134-3/fulltext).

Cohen J. Past Pandemics Provide Mixed Clues to H1N1's Next Moves. Science. 2009 May 22;324:996-997. Abstract only.

<http://tinyurl.com/scienceh1n1>

Historical Resources

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

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>