

# H1N1 Flu Virus (Human Swine Influenza)

## Information Resources

(last updated May 13th, 2009, 5pm)

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### Overview



- Confirmed cases in Ontario as of May 13, 5pm: **119**
  - The total number of confirmed cases in Ontario is 119. All cases reported to date are considered mild. The Ontario cases involve 62 males and 57 females with an age range of 1 to 62.



- Confirmed cases in Canada as of May 12, 5pm: **389 (1 death in AB)**
- Confirmed cases worldwide as of May 13, 11am: **5728** (incl. **61** 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 search](#)  
[Mapping resources](#)  
[Twitter feeds](#)

#### Other Resources

##### Scientific Resources

[Lancet](#)  
[New England Journal of Medicine](#)  
[American Journal of Epidemiology](#)  
[Epidemiologic Reviews](#)  
[Science](#)  
[Nature](#)  
[American Society for Microbiology](#)  
[Centre for Agriculture and Biosciences International](#)  
[DynaMed](#)  
[Historical Resources](#)  
[Travel Advisories](#)

## Events

### Upcoming

**NEW** Monday May 18, 3 – 4:30pm EST: H1N1—Where do we go from here? An exclusive question-and-answer session with pandemic influenza, legal, and HR experts. This is an opportunity to directly pose critical questions to credible experts and hear challenges your peers are facing (US focused). Live polls will be conducted during the Webinar to provide current benchmarking data. Cost: \$295.  
[http://online.krm.com/iebms/coe/coe\\_p2\\_details.aspx?oc=10&cc=00279763&eventid=15787](http://online.krm.com/iebms/coe/coe_p2_details.aspx?oc=10&cc=00279763&eventid=15787)

**NEW** Sunday, May 17: *The Lancet* will co-host a late-breaker session on influenza A H1N1 at the European Congress on Clinical Microbiology and Infectious Diseases (ECCMID) in Helsinki, Finland. Over 6,500 delegates from around the globe are re-registered for the ECCMID meeting. Speakers at the session are Albert Osterhaus (Rotterdam, Netherlands) and Javier Garau (Barcelona, Spain). Note: Live video footage will not be broadcast, but video highlights will be available next week at [www.TheLancet.com/H1N1-flu](http://www.TheLancet.com/H1N1-flu).

### Archived

Friday May 8, 8pm EST: "The Agenda" on TVO  
The science and politics of swine flu with guests:

- Vivek Goel, President and Chief Executive Officer of the Ontario Agency for Health Protection and Promotion.
- Allison McGeer, Microbiologist and Infectious Disease Consultant in the Department of Microbiology at Mount Sinai Hospital.
- Andrew Nikiforuk, Journalist and Author of *Pandemonium: Bird Flu, Mad Cow Disease and Other Biological Plagues of the 21st Century*.
- Peter Singer, Professor of Medicine, Chair in Bioethics, Director of McLaughlin-Rotman Centre for Global Health, University Health Network and University of Toronto.

[http://www.tvo.org/cfm/tvoorg/theagenda/index.cfm?page\\_id=7](http://www.tvo.org/cfm/tvoorg/theagenda/index.cfm?page_id=7)

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

**NEW** Six New Confirmed Cases Of H1N1 Flu Virus In Ontario: All Cases Are Mild [May 13]: The total number of confirmed cases in Ontario is 119. All cases reported to date are considered mild. The Ontario cases involve 62 males and 57 females with an age range of 1 to 62. The breakdown by health unit is as follows:

Health Unit	New Confirmed Cases	Total Confirmed Cases
Toronto	3	37

York Region	1	21
Peel Region	0	16
Halton	0	11
Durham Region	1	8
City of Ottawa	1	7
Windsor Essex	0	5
Sudbury and District	0	3
Hamilton	0	2
Simcoe Muskoka District	0	2
Waterloo Region	0	2
Wellington Dufferin Guelph	0	1
Oxford County	0	1
Leeds, Grenville & Lanark	0	1
Middlesex-London	0	1
Hastings and Prince Edward Counties	0	1
<b>TOTAL</b>	<b>6</b>	<b>119</b>

[http://www.health.gov.on.ca/english/media/news\\_releases/archives/nr\\_09/may/nr\\_20090513.html](http://www.health.gov.on.ca/english/media/news_releases/archives/nr_09/may/nr_20090513.html)

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

No new IHNs since May 7]

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

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

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

### Public Health Agency of Canada (PHAC)



Confirmed cases in Canada as of May 13, 5pm: **389** (1 death in AB)

Province / Territory	New Confirmed Cases	Total Confirmed Cases
British Columbia	9	92
Alberta	8	61
Saskatchewan	4	16
Manitoba	2	4
Ontario	6	119

Quebec	1	26
New Brunswick	0	2
Nova Scotia	1	65
Prince Edward Island	0	3
Newfoundland	0	0
Yukon	0	1
Northwest Territories	0	0
Nunavut	0	0
<b>TOTAL</b>	<b>31</b>	<b>389</b>

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



Updated version of Canadian Pandemic Influenza Plan for the Health Sector—Annex E: The Use of Antiviral Drugs During a Pandemic [May 13]  
<http://www.phac-aspc.gc.ca/cpip-pclcpi/ann-e-eng.php>



Health Minister, Chief Public Health Officer help kids learn basics of flu prevention [May 13]  
[http://www.phac-aspc.gc.ca/media/nr-rp/2009/2009\\_0513\\_h1n1-eng.php](http://www.phac-aspc.gc.ca/media/nr-rp/2009/2009_0513_h1n1-eng.php)

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)

Confirmed cases in the US as of May 13: **3352** (3 deaths)  
 Status: Public Health Emergency  
<http://www.cdc.gov/h1n1flu/update.htm>

CDC urges vigilance for pregnant women with flu symptoms [May 12]  
 Pregnant women who have confirmed, probable, or suspected novel influenza H1N1 infections should receive antiviral treatment for 5 days.  
 MMWR Dispatch: Novel Influenza A (H1N1) Virus Infections in Three Pregnant Women United States, April--May 2009. May 12, 2009 / 58(Dispatch);1-3.  
[http://www.cdc.gov/mmwr/preview/mmwrhtml/mm58d0512a1.htm?s\\_cid=mm58d0512a1\\_e](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm58d0512a1.htm?s_cid=mm58d0512a1_e)

Clinical Data Collection Forms and Templates for Collection of Information on Patients Infected with Novel Influenza A (H1N1)  
[http://www.cdc.gov/h1n1flu/clinicians/clinician\\_forms\\_templates.htm](http://www.cdc.gov/h1n1flu/clinicians/clinician_forms_templates.htm)

Collections of CDC H1N1 guidance documents for specific groups

- Resources for clinicians <http://www.cdc.gov/h1n1flu/clinicians/>

- Resources for laboratories <http://www.cdc.gov/h1n1flu/lab/>

**Previous CDC documents and updates available from:**

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

## **Center for Infectious Disease Research and Policy**

No new updates of interest.

Archive of updates

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

## **Health Protection Agency (UK)**

Update on confirmed swine flu cases in UK – **71** confirmed [May 13]

[http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb\\_C/1242198437887?p=1231252394302](http://www.hpa.org.uk/webw/HPAweb&HPAwebStandard/HPAweb_C/1242198437887?p=1231252394302)

Algorithm P5 – PEP for close contacts of probable or confirmed human case with swine influenza A (H1N1) for phase 5. [Updated May 12]

[http://www.hpa.org.uk/web/HPAwebFile/HPAweb\\_C/1240986160584](http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1240986160584)

Swine Influenza page:

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

## **European Centre for Disease Prevention and Control (ECDC)**



Situation report [May 13]:

Developments in the past 24 hours:

- 7 new confirmed cases reported from EU and EFTA countries;
- First confirmed cases reported from Finland;
- Three additional confirmed cases with in-country transmission reported from the United Kingdom;
- Outside of EU and EFTA countries, 5718 confirmed cases reported;
- The basic reproductive number  $R_0$  is estimated to be higher for new influenza A(H1N1) than for seasonal influenza.

[http://www.ecdc.europa.eu/en/files/pdf/Health\\_topics/Situation\\_Report\\_090513\\_0800hrs.pdf](http://www.ecdc.europa.eu/en/files/pdf/Health_topics/Situation_Report_090513_0800hrs.pdf)

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)

### Update 27 [May 13, 06:00 GMT]:

33 countries have officially reported **5728** cases of influenza A(H1N1) infection.

- Mexico: 2059 confirmed cases (56 deaths)
- United States: 3009 confirmed cases (3 deaths)
- Canada: 358 confirmed cases (1 death)
- Costa Rica: 8 confirmed cases (1 death)
- The following countries have confirmed cases with no deaths:  
Argentina (1), Australia (1), Austria (1), Brazil (8), China (3, comprising 1 in China, Hong Kong Special Administrative Region, and 2 in mainland China), Colombia (6), Cuba (1), Denmark (1), El Salvador (4), Finland (2), France (13), Germany (12), Guatemala (3), Ireland (1), Israel (7), Italy (9), Japan (4), Netherlands (3), New Zealand (7), Norway (2), Panama (29), Poland (1), Portugal (1), Republic of Korea (3), Spain (98), Sweden (2), Switzerland (1), Thailand (2), and the United Kingdom (68).

[http://www.who.int/csr/don/2009\\_05\\_13/en/index.html](http://www.who.int/csr/don/2009_05_13/en/index.html)

Assessing the severity of an influenza pandemic [May 11]

[http://www.who.int/csr/disease/swineflu/assess/disease\\_swineflu\\_assess\\_20090511/en/index.html](http://www.who.int/csr/disease/swineflu/assess/disease_swineflu_assess_20090511/en/index.html)

WHO H1N1 Guidance documents:

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

For older updates, see

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

## Pan-American Health Organization (PAHO)



Emergency Operations Center Update on Influenza A(H1N1) [May 12]

[http://new.paho.org/hq/index.php?option=com\\_content&task=view&id=1346&Itemid=569](http://new.paho.org/hq/index.php?option=com_content&task=view&id=1346&Itemid=569)

Influenza A(H1N1) Regional Report (Epidemiological) [May 12]

Up to **12 May 2009**, **5,696** confirmed cases of the new virus influenza A (H1N1), including 63 deaths, have been notified in 11 countries of the Americas: Argentina, Brazil, Canada, Colombia, Costa Rica, Cuba, El Salvador, Guatemala, Mexico, Panama and the United States.

[http://new.paho.org/hq/index.php?option=com\\_content&task=view&id=1341&Itemid=569](http://new.paho.org/hq/index.php?option=com_content&task=view&id=1341&Itemid=569)

Regional Report

[http://new.paho.org/hq/index.php?option=com\\_docman&task=doc\\_download&gid=1556](http://new.paho.org/hq/index.php?option=com_docman&task=doc_download&gid=1556)

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)

## Google News Search on Swine Flu

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

## Mapping Resources

WHO Map (5728 confirmed cases, 61 deaths worldwide as of May 13)

[http://www.who.int/csr/don/h1n1\\_20090512\\_0600.jpg](http://www.who.int/csr/don/h1n1_20090512_0600.jpg)

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>

Veratect on Twitter: tracking the swine influenza event with up-to-the-minute information about potential spread of the disease to aid in early response efforts

<http://twitter.com/Veratect>

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](http://twitter.com/statuses/user_timeline/32957440.rss)

## Scientific Resources

### Lancet



To upgrade the level of expert analysis and advice on the prevention, detection, diagnosis, and treatment of the influenza A H1N1 (swine flu), The Lancet today announced the launch of its H1N1 Flu Resource Centre [May 13]

<http://www.TheLancet.com/H1N1-flu>

- Influenza and the American Thoracic Society Correspondence TheLancet.com (online May 12) | [PDF](#)

### New England Journal of Medicine (NEJM)

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



Newest Items:

- Emergence of a Novel Swine-Origin Influenza A (H1N1) Virus in Humans | [PDF](#)  
Triple-Reassortant Swine Influenza A (H1) in Humans in the United States, 2005–2009 | [PDF](#)
- H1N1 Influenza A Disease — Information for Health Professionals | [PDF](#)
- Implications of the Emergence of a Novel H1 Influenza Virus | [PDF](#)
- Digital Disease Detection — Harnessing the Web for Public Health Surveillance | [PDF](#)
- Influenza A (H1N1) Virus, 2009 — Online Monitoring | [PDF](#) | [Interactive Map](#)
- The Signature Features of Influenza Pandemics — Implications for Policy [PDF](#)

### American Journal of Epidemiology (AJE)

AJE H1N1 Collection (17 articles freely available)  
<http://aje.oxfordjournals.org/collections/>

## Epidemiologic Reviews

Epidemiologic Reviews H1N1 Collection (2 articles freely available)  
<http://epirev.oxfordjournals.org/collections/>

## Science



AAAS *Science Insider*: Profile of CDC's "Flu Chief" virologist Nancy Cox  
<http://blogs.sciencemag.org/scienceinsider/2009/05/exclusive-cdcs.html>

AAAS *Science Insider*: Swine Flu Outbreak—Day by Day  
<http://blogs.sciencemag.org/scienceinsider/2009/05/swine-flu-outbr.html>

Fraser C. et al. Pandemic Potential of a Strain of Influenza A (H1N1) : Early Findings. Published Online May 11, 2009 *Science* DOI: 10.1126/science.1176062 [Abstract only]  
<http://www.sciencemag.org/cgi/content/abstract/sci;1176062v1?maxtoshow=&>

## Nature



Interview with Marie-Paul Keany, WHO's vaccine research director  
<http://www.nature.com/news/2009/090513/full/news.2009.478.html>



WHO decision-making regarding vaccine development  
<http://www.nature.com/news/2009/090512/full/459144a.html>

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

## American Society for Microbiology

Research Publications on Influenza A(H1N1) from the American Society for Microbiology are Freely Available  
<http://tinyurl.com/asmh1n1>.

## 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 and H1N: free worldwide access thanks to EBSCO

<http://www.ebscohost.com/dynamed/swineflu/> and  
<http://www.ebscohost.com/dynamed/h1n1/>

## **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](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**

No new advisories issued.