

H1N1 Flu Virus (Human Swine Influenza)

Information Resources

(last updated May 9th, 2009, 6pm)

Overview



- Confirmed cases in Ontario as of May 9, 5pm: **76**
The breakdown of the Ontario cases is as follows:
 - The Ontario cases involve 37 males and 38 females (further information still pending from one case) with an age range of 1 to 52.
 - Provincial monitoring status: Enhanced



- Confirmed cases in Canada as of May 9, 5pm: **280 (1 death)**
 - BC (79), Alberta (46), Saskatchewan (2), Manitoba (1), Ontario (76), Quebec (15), New Brunswick (2), Nova Scotia (56), PEI (3)



- Confirmed cases worldwide as of May 9, 5pm: **3440** (incl. **48** 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

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[United Kingdom's Health Protection Agency \(HPA\)](#)
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Events

Upcoming

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/cfmx/tvoorg/theagenda/index.cfm?page_id=7

Grand Rounds Series: Emerging Issue - Novel Influenza A (H1N1) presented by Patricia Quinlisk, M.D., M.P.H. of the Upper Midwest Center for Public Health Preparedness at the University of Iowa College of Public Health. [May 6]

http://www.public-health.uiowa.edu/icphp/grand_rounds/archive/2009/pdf/050609-Quinlisk.pdf

Transcript and Audio for May 1 CDC Clinician Conference Call on Maternal and Child Health Issues Related to the Current Outbreak of the New Influenza Virus of Swine Origin [May 1]

http://emergency.cdc.gov/coca/summaries/pdf/InterimH1N1Flu_MCH_issues050109.pdf

Ministry of Health and Long-Term Care (MOHLTC)



News release [May 8]: 14 New Confirmed Cases of H1N1 Flu Virus in Ontario: All Cases Are Mild. The Ontario cases involve 27 males and 34 females (further information still pending from one other case) with an age range of 3 to 52.

The breakdown by health unit is as follows:

Health Unit	New Confirmed Cases	Total Confirmed Cases
Toronto	7	25
York Region	2	14
Durham Region	0	7
Peel Region	3	10
Windsor Essex	0	5

Sudbury and District	0	3
Simcoe Muskoka District	0	2
Halton	2	4
City of Ottawa	0	2
Oxford County	0	1
Middlesex-London	0	1
Hastings and Prince Edward Counties	0	1
Hamilton	0	1
TOTAL	14	76

http://www.health.gov.on.ca/english/media/news_releases/archives/nr_09/may/nr_20090509.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

Important Health Notices

Information on Novel H1N1 Influenza A - Frequently Asked Questions for Primary Care Practitioners [May 7]

http://www.health.gov.on.ca/english/providers/program/emu/health_notice_s/ihn_primarycare_faq_20090507.pdf

Information on the Novel H1N1 Influenza Virus for Primary Care Practitioners [May 7]

http://www.health.gov.on.ca/english/providers/program/emu/health_notice_s/ihn_primarycare_fs_20090507.pdf

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 9, 5pm: **280**

Province / Territory	Total Confirmed Cases
BC	79
Alberta	46
Saskatchewan	2
Manitoba	1
Ontario	76

Quebec	15
New Brunswick	2
Nova Scotia	56
PEI	3
Newfoundland	0
Yukon	0
NWT	0
Nunavut	0
TOTAL	280

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



Canada's first fatality associated with H1N1 flu virus [May 8]
http://www.phac-aspc.gc.ca/media/nr-rp/2009/2009_0508_h1n1-eng.php

Government of Canada Provides Update on H1N1 Flu Virus [May 7]
http://www.phac-aspc.gc.ca/media/nr-rp/2009/2009_0507b_h1n1-eng.php

Role of the Public Health Agency of Canada's National Microbiology Laboratory: H1N1 Flu Virus Outbreak Response [May 7]
http://www.phac-aspc.gc.ca/media/nr-rp/2009/2009_0507_h1n1-eng.php

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)



Confirmed cases in the US as of May 9: **2254** (2 deaths)
 Status: Public Health Emergency
<http://www.cdc.gov/h1n1flu/update.htm>



Interim Guidance for Clinicians on the Prevention and Treatment of Novel Influenza A (H1N1) Influenza Virus Infection in Infants and Young Children [May 8]
<http://www.cdc.gov/h1n1flu/childrentreatment.htm>



Interim Guidance on Specimen Collection, Processing, and Testing for Patients with Suspected Swine-Origin Influenza A (H1N1) Virus Infection [May 8]
<http://www.cdc.gov/h1n1flu/specimencollection.htm>

NEW Interim Recommendations for Facemask and Respirator Use in Certain Community Settings Where Novel Influenza A (H1N1) Virus Transmission Has Been Detected [May 8]
<http://www.cdc.gov/h1n1flu/masks.htm>

Previous CDC documents and updates available from:
<http://www.cdc.gov/h1n1flu/guidance/>

Center for Infectious Disease Research and Policy

NEW Swine flu breaking news [May 9]:
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/news/may0909breaknews.html>

NEW Demand, flu patterns lead states to reduce testing [May 8]
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/news/may0809testing.html>

CIDRAP H1N1 Overview – Updated May 8
<http://www.cidrap.umn.edu/cidrap/content/influenza/swineflu/biofacts/swinefluoverview.html>

Health Protection Agency (UK)

NEW Update on confirmed swine flu cases in UK – 47 confirmed [May 9]
http://www.hpa.org.uk/web/HPAweb&HPAwebStandard/HPAweb_C/1241824508685?p=1231252394302

NEW HPA advice on consideration of school closure in the event of a probable or confirmed case of “swine flu” in a school setting [May 9]
http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1241180226578

NEW Algorithm S5 – for the management of suspected cases (returning travellers and visitors from countries affected by swine influenza A/H1N1 or contacts) for phase 5. Updated May 9
http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1240732819361

NEW Algorithm P5 – PEP for close contacts of probable or confirmed human case with swine influenza A(H1N1) for phase 5. Updated May 9
http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1240986160584

NEW Swine flu case definition, version 2 [May 9]
http://www.hpa.org.uk/web/HPAwebFile/HPAweb_C/1241048739571

Swine Influenza page:

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

European Centre for Disease Prevention and Control (ECDC)



Situation report [May 9]:

Main developments in the past 24 hours:

- 173 confirmed cases
- 17 new confirmed cases reported from EU and EFTA countries.
- “First sequence-confirmed case of infection with the new influenza A(H1N1) strain in Germany”, published in [Eurosurveillance](#).
- Initial epidemiological findings in the European Union published in [Eurosurveillance](#).

http://www.ecdc.europa.eu/en/files/pdf/Health_topics/Situation_Report_090505_800hrs.pdf



CHMP Assessment report on Novel Influenza (H1N1) outbreak : Tamiflu (oseltamivir), Relenza (zanamivir) EMEA/H/A-5.3/1172 [May 7]

<http://www.emea.europa.eu/humandocs/PDFs/EPAR/tamiflu/28766209en.pdf>



Opinion of The Committee For Medicinal Products For Human Use Pursuant To Article 5(3) Of Regulation (Ec) No 726/2004, on Novel Influenza (H1n1) Outbreak: Tamiflu (oseltamivir) and Relenza (zanamivir)

<http://www.emea.europa.eu/humandocs/PDFs/EPAR/tamiflu/27883809en.pdf>



Implication for Europe of the novel influenza A (H1N1) virus [May 8]

http://www.ecdc.europa.eu/en/files/pdf/Health_topics/090509_AH1N1_Threat_assessment.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 23 [May 9]:

29 countries have officially reported **3440** cases of influenza A (H1N1) infection.

Mexico has reported 1364 laboratory confirmed human cases of infection, including 45 deaths. The United States has reported 1639 laboratory confirmed human cases, including two deaths. Canada has reported 242 laboratory confirmed human cases, including one death.

The following countries have reported laboratory confirmed cases with no deaths - Argentina (1), Australia (1), Austria (1), Brazil (6), China, Hong Kong Special Administrative Region (1), Colombia (1), Costa Rica (1), Denmark (1), El Salvador (2), France (12), Germany (11), Guatemala (1), Ireland (1), Israel (7), Italy (6), Japan (3), Netherlands (3), New Zealand (5), Panama (2), Poland (1), Portugal (1), Republic of Korea (3), Spain (88), Sweden (1), Switzerland (1) and the United Kingdom (34).

http://www.who.int/csr/don/2009_05_09/en/index.html

Countries able to perform PCR to diagnose influenza A (H1N1) virus infection in humans [May 8]

http://www.who.int/csr/resources/publications/swineflu/InfluenzaLabsWithPCRcapacityToDetectInfluenzaA_20090508a.pdf

Status of candidate vaccine virus development for the current Influenza A(H1N1) virus [May 8]

http://www.who.int/csr/resources/publications/swineflu/vaccine_virus_development/en/index.html

WHO Technical Consultation on the Severity of Disease Caused by the new influenza A (H1N1) virus infections May 6]

http://www.who.int/csr/resources/publications/swineflu/technical_consultation_2009_05_06/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)



Update: Influenza A(H1N1) Regional Report [May 8]

http://new.paho.org/hq/index.php?option=com_content&task=view&id=1329&Itemid=569

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

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

Mapping Resources



WHO Map (3440 confirmed cases, 48 deaths worldwide as of May 9)
http://www.who.int/csr/don/GlobalSubnationalMaster_20090509_0805.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

Scientific Resources

New England Journal of Medicine H1N1 Influenza Center
<http://h1n1.nejm.org/>

- Research articles (PDF):
[Emergence of a Novel Swine-Origin Influenza A \(H1N1\) Virus in Humans](#)
[Triple-Reassortant Swine Influenza A \(H1\) in Humans in the United States, 2005–2009](#)

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

Journal: *Vector-Borne and Zoonotic Diseases* is freely available through the end of May for better understanding of the H1N1 influenza epidemic
<http://www.liebertonline.com/vbz>

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

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 H1N1: free worldwide access thanks to EBSCO <http://www.ebscohost.com/dynamed/swineflu/> and <http://www.ebscohost.com/dynamed/h1n1/>

Consumer Health Resources

Animated Swine Flu movie for Children
<http://www.brainpop.com/health/diseasesinjuriesandconditions/swineflu/>

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

No new advisories issued.