

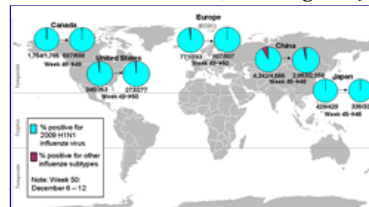


## 2009 H1N1 Flu: International Situation Update

December 18, 2009, 3:30 PM ET

This report provides an update to the international situation as of December 18, 2009. The World Health Organization (WHO) continues to

Map of International Activity Estimates  
(Including 2009 H1N1 Flu)



([map.htm](#)).

[report laboratory-confirmed 2009 H1N1 flu cases and deaths](#)

(<https://web.archive.org/web/20091222101117/http://www.who.int/csr/disease/swineflu/updates/en/>) on its Web page. These laboratory-confirmed cases represent a substantial underestimation of total cases in the world, as most countries focus surveillance and laboratory testing only on people with severe illness. The 2009 H1N1 influenza virus continues to be the dominant influenza virus in circulation in the world. For the most recent period in which data are available, from November 15 to December 5, 2009, 92.2% of influenza specimens reported to WHO were 2009 H1N1, 1% were seasonal A (H1), 0.9% were A (H3), 5.2% were influenza A viruses that were not subtyped, and 0.8% were influenza B viruses. In temperate regions of the Southern Hemisphere, sporadic cases of 2009 H1N1 have been reported in recent weeks but no sustained transmission has been observed. In tropical regions of the Americas and Asia, influenza activity due to 2009 H1N1 remains variable. In temperate regions of the Northern Hemisphere, influenza-like illness (ILI) activity due to 2009 H1N1 has passed its peak in North America and in parts of Western and Northern Europe, but activity continues to increase in parts of Central and Southeastern Europe, as well as in South and Central Asia.

### Selected Highlights

- The 2009 H1N1 influenza virus is the predominant influenza virus in circulation worldwide.
- The epidemiology of disease caused by 2009 H1N1 influenza in the Southern Hemisphere is very similar to that described in the United States in the spring of 2009.
- According to WHO, the majority of 2009 H1N1 influenza isolates tested worldwide remain sensitive to oseltamivir, an antiviral medicine used to treat influenza disease. 136 2009 H1N1 isolates tested worldwide have been found to be resistant to oseltamivir – 44 of these isolates were detected in the United States.
- On September 17, 2009, several countries including the United States announced plans to donate 2009 H1N1 vaccine or funds to support vaccination campaigns in less developed countries.

### International Resources for 2009 H1N1 Information

#### Health Organizations

- [World Health Organization \(WHO\)](https://web.archive.org/web/20091222101117/http://www.who.int/csr/disease/swineflu/en/index.html)
- [ECDC \(European Centre for Disease Prevention and Control\)](https://web.archive.org/web/20091222101117/http://ecdc.europa.eu/en/Health_topics/novel_influenza_virus/2009_Outbreak/)
- [H2P \(Humanitarian Pandemic Preparedness\)](https://web.archive.org/web/20091222101117/http://www.pandemicpreparedness.org/)
- [Public Health Agency of Canada](https://web.archive.org/web/20091222101117/http://www.phac-aspc.gc.ca/alert-alerte/swine_200904-eng.php)




#### World Health Organization (WHO) Regional Offices

- [AFRO \(WHO Regional Office for Africa\)](https://web.archive.org/web/20091222101117/http://www.afro.who.int/ddc/influenzaa/index.html)
- [AMRO \(WHO Regional Office for the Americas\) / PAHO \(Pan American Health Organization\)](https://web.archive.org/web/20091222101117/http://new.paho.org/hq/index.php?option=com_content&task=blogcategory&id=805&Itemid=569&lang=en)
- [EMRO \(WHO Regional Office for the Eastern Mediterranean\)](https://web.archive.org/web/20091222101117/http://www.emro.who.int/index.asp)
- [EURO \(WHO Regional Office for Europe\)](https://web.archive.org/web/20091222101117/http://www.euro.who.int/influenza/ah1n1)
- [SEARO \(WHO Regional Office for South-East Asia\)](https://web.archive.org/web/20091222101117/http://www.searo.who.int/)
- [WPRO \(WHO Regional Office for the Western Pacific\)](https://web.archive.org/web/20091222101117/http://www.wpro.who.int/health_topics/h1n1/)

#### Travel and 2009 H1N1 Flu

Human cases of 2009 H1N1 flu virus infection have been identified in the United States and several countries around the world. For information on 2009 H1N1 flu and travel, see the [CDC H1N1 Flu and Travel website](https://web.archive.org/web/20091222101117/http://www.cdc.gov/travel/content/novel-h1n1-flu.aspx).

## Reports and Publications

- [White House Report on 2009 H1N1 in the Southern Hemisphere](https://web.archive.org/web/20091222101117/http://www.flu.gov/professional/global/southhemisphere.html)   
(<https://web.archive.org/web/20091222101117/http://www.flu.gov/professional/global/southhemisphere.html>)  
Issued August 2009 – This White House report was prepared by the Department of Health and Human Services (HHS) in coordination with the Office of the Director for National Intelligence (ODNI) and the Department of State (Dos) and describes the characteristics and impact of 2009 H1N1 influenza A virus in the Southern Hemisphere.
- [ECDC Interim Risk Assessment Influenza A \(H1N1\) 2009 Pandemic](https://web.archive.org/web/20091222101117/http://ecdc.europa.eu/en/files/pdf/Health_topics/090720_Influenza_A(H1N1)_Risk_Assessment.pdf)   
([https://web.archive.org/web/20091222101117/http://ecdc.europa.eu/en/files/pdf/Health\\_topics/090720\\_Influenza\\_A\(H1N1\)\\_Risk\\_Assessment.pdf](https://web.archive.org/web/20091222101117/http://ecdc.europa.eu/en/files/pdf/Health_topics/090720_Influenza_A(H1N1)_Risk_Assessment.pdf))  
Issued July 30, 2009 - This document provides an interim risk assessment of novel H1N1 flu in Europe prepared by ECDC.
- [World Health Organization Weekly Epidemiological record](https://web.archive.org/web/20091222101117/http://www.who.int/wer/2009/wer8430.pdf)   
(<https://web.archive.org/web/20091222101117/http://www.who.int/wer/2009/wer8430.pdf>) – Issued July 24, 2009  
This document by WHO provides updates on the international novel H1N1 flu situation.
- [MMWR – Update: Novel Influenza A \(H1N1\) Virus Infection – Mexico, March-May, 2009](https://web.archive.org/web/20091222101117/http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5821a2.htm)  
(<https://web.archive.org/web/20091222101117/http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5821a2.htm>) – Issued June 5, 2009 / Vol. 58 / No. 21.  
This Morbidity and Mortality Weekly Report describes the novel influenza A (H1N1) outbreak in Mexico from March-May, 2009.
- [MMWR – Update: Novel Influenza A \(H1N1\) Virus Infections – Worldwide, May 6, 2009](https://web.archive.org/web/20091222101117/http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5817a1.htm)  
(<https://web.archive.org/web/20091222101117/http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5817a1.htm>) – Issued May 8, 2009 / Vol. 58 / No. 17.  
This Morbidity and Mortality Weekly Report describes worldwide novel influenza A (H1N1) infections as of May 6, 2009.

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Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333, USA  
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348, 24 Hours/Every Day - [cdcinfo@cdc.gov](mailto:cdcinfo@cdc.gov)

