The information contained within this update is obtained from data provided by Ministries of Health of Member States and National Influenza Centers through reports sent to Pan American Health Organization (PAHO) or updates on their web pages.

**Epidemiologic influenza update**

In Canada\(^1\), in EWs 39 and 40, influenza activity increased slightly but remained relatively low. The ILI consultation rates remained similar to previous weeks and still within expected levels for this time of year. The percentage of positive samples during EW 39-40 (less than 1%) increased compared to the previous weeks and was higher than what is usually observed during this time of the year but much lower than what was observed in 2009. Of the positive influenza specimens, approximately, one third were influenza A/H3N2 and two thirds were reported as unsubtyped influenza A. Low levels of other respiratory viruses continued to be reported.

In Mexico\(^2\), nationally, the proportion of reported influenza-like illness (ILI) and severe acute respiratory illness (SARI) cases decreased from EW 38-40 (from ~3% to 1%). At the regional level, the highest rate of ILI and SARI activity was in the southern region of Chiapas. From EW 30-38 the primary influenza virus in circulation was influenza A/H3N2.

In the United States,\(^3\) in EW 40, the proportion of outpatient consultations for ILI continued to remain below the national baseline. All the sub-national surveillance regions reported the proportion of ILI to be below their region-specific baselines. The proportion of deaths attributed to pneumonia and influenza remained below the epidemic threshold. No influenza-associated pediatric deaths were reported this week. During EW 40, influenza activity remained low — 3.3% of samples tested were positive for influenza (influenza A 2009 H1N1, influenza A/H3 and influenza B).

In Uruguay\(^4\), during the last six EWs, the proportion of SARI cases, out of the total number of hospitalizations showed a decreasing trend, remaining in less than 3%. The proportion of SARI hospitalized in intensive care units among all ICU admissions decreased between EW 38 and EW 40 (from ~5% to 2.5%). The proportion of SARI deaths among all deaths remained low as compared to the winter season.
Viral circulation

The information below is based on reports from National Influenza Centers and influenza laboratories from the Region.

**Americas Region (FluNet data)**

This graph includes data from countries who reported to FluNet: Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, El Salvador, French Guiana, Guatemala, Honduras, Jamaica, Martinique, Mexico, Panama, Paraguay, Peru and The United States.

**Distribution of respiratory viruses under surveillance by EW, 2010**

![Graph showing distribution of respiratory viruses under surveillance by EW, 2010.](image)

**Americas Region - 2010**

Positive percentage to influenza viruses

![Graph showing positive percentage to influenza viruses.](image)
North America

Canada

Percent positive influenza tests, compared to other respiratory viruses, Canada, by reporting week, 2010-2011

Mexico

Distribution of respiratory viruses under surveillance by EW 2010, as reported to PAHO
United States
Influenza Positive Tests Reported to CDC by U.S. WHO/NREVSS
Collaborating Laboratories, National Summary, May 23 – October 9, 2010

Caribbean

Dominican Republic
Distribution of respiratory viruses under surveillance by EW
2010 as reported to PAHO
Jamaica (FluNet data)
Distribution of respiratory viruses under surveillance by EW, 2010

Central America

Costa Rica
Distribution of respiratory viruses under surveillance by EW
2010 as reported to PAHO
Honduras (FluNet data)
Distribution of respiratory viruses under surveillance by EW, 2010

Nicaragua
Distribution of respiratory viruses under surveillance by EW 2010 as reported to PAHO
**South America - Andean**

**Colombia**

Distribution of respiratory viruses under surveillance by EW 2010 as reported to PAHO

![Graph showing distribution of respiratory viruses in Colombia](image)

**South America - Southern Cone**

**Uruguay**

Distribution of respiratory viruses under SARI surveillance by EW 2010

![Graph showing distribution of respiratory viruses in Uruguay](image)

---

4 Uruguay. Vigilancia de IRAG. [https://trantor.msp.gub.uy/epidemiologia/servlet/iraggrafmenu](https://trantor.msp.gub.uy/epidemiologia/servlet/iraggrafmenu)