

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.

I- Evolution of the pandemic

North America

Regarding WHO **qualitative indicators** (See Annex 1) for monitoring of the pandemic, the three countries in North America report widespread geographic spread. There was an increasing trend of respiratory disease in Canada and Mexico, while decreasing in the Unites States. The intensity of acute respiratory disease was low to moderate in Canada and high in Mexico and the United States. The impact on Health Services was low in Mexico and moderate in the United States

On its web page¹, as of 8th October, Mexico reports increased activity of pandemic (H1N1) 2009 with the greatest number of cumulative laboratoryconfirmed cases in the Federal District, Chiapas, Yucatan, Jalisco, San Luis Potosi, Veracruz and Tamaulipas. When comparing against cases reported in the previous week (1st October), the greatest increases were observed in Durango, Morelos, Baja California Sur, and Puebla. It is important to note that Mexico is currently experiencing concurrent outbreaks of dengue and dengue hemorrhagic fever in several states.

In the United States, the influenza season began 12 weeks earlier than expected. The proportion of visits for influenza-like illness (ILI) has been above the baseline for EW 39 in all regions except two² in the northeast. Regarding the geographical spread of the pandemic, 37³ out of 50 states are experiencing geographically widespread activity (10 more than the previous week). Deaths attributed to pneumonia and influenza have now exceeded what is normally expected for this time of year. The United States has reported 12 cases of oseltamivir-resistant pandemic (H1N1) 2009

Summary of Last Week

- The intensity of acute respiratory diseases in North America was high in U.S. and Mexico and moderate in Canada.
- Central America experienced low or moderate intensity of acute respiratory diseases, with the exception of Belize that reported activity above what is expected.
- South America continues to report low or moderate activity of respiratory diseases.
- 99.1% of the influenza A viruses subtyped were pandemic (H1N1) 2009.
- 114 new confirmed deaths (3406 deaths accumulated in 25

Canada has experienced an increase in national ILI consultation rate since EW37 which has been above expected levels. Multiple outbreaks were reported, especially in schools settings. The highest activity of respiratory disease has been reported in the province of British Columbia with 11 influenza outbreaks, and in the Northwest Territories where two outbreaks were detected in schools. Canada has reported two cases of oseltamivir-resistant pandemic (H1N1) 2009.

Caribbean

Cuba and Jamaica report widespread geographic spread while Bahamas and Dominica note regional spread and Saint Kitts and Nevis reported no activity. The trend of respiratory disease increased in most countries

¹ Source : Mexico's Health Secretariat <u>http://portal.salud.gob.mx/contenidos/noticias/influenza/estadisticas.html</u>, Accessed on October 8, 2009

² The two health Regions include the States of Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, and Vermont

³ Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Maryland, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Texas, Tennessee, Virginia, Washington, and Wyoming.

and the intensity of acute respiratory disease was high in Cuba and Dominica. The impact on health care services due to acute respiratory disease was both low and moderate.

Dominica has reported experiencing increased ILI activity and Saint Lucia reported influenza-associated outbreaks in the school setting during September.

Central America

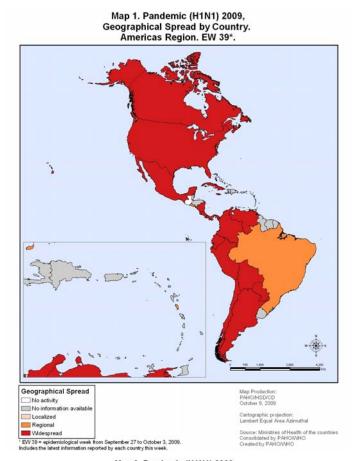
Countries in this region reporting widespread geographic spread are Costa Rica, Nicaragua, and Panama, while in El Salvador the spread was regional. Trends in respiratory disease were decreasing or unchanged for all countries. The intensity of acute respiratory disease was mostly low or moderate while impact on heath care services due to acute respiratory disease was low in Guatemala, Nicaragua, Panama and moderate in Costa Rica and El Salvador.

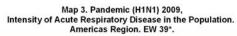
Belize reports experiencing a second wave of pandemic (H1N1) 2009 with increased ILI above expected levels for this time of year. Most patients are being seen in outpatient facilities with mild to moderate manifestations and the Districts of Belize, Cayo and Corozal mostly affected. Honduras also reports increased activity of influenza. Of note, El Salvador, Honduras, Nicaragua, Panama are detecting a recent increase in their cases of dengue fever as compared to the same time period last year. The current rainy season favors the co-circulation of influenza and dengue viruses.

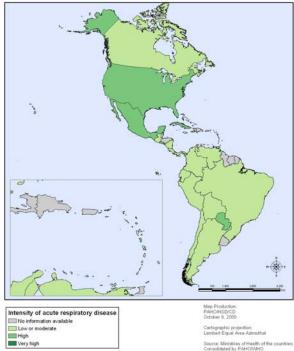
South America

In the Andean regions of South America, geographical spread was widespread. The trend of respiratory was mainly decreasing or unchanged and the intensity was low or moderate. The impact on heath services was low in Bolivia, Colombia, and Peru and moderate in Ecuador and Venezuela.

Paraguay reported a different situation than the rest of the Southern Cone countries, as it experienced high intensity and moderate impact on health services. The rest of the Southern Cone countries presented low intensity and decreasing trend. In Chile, for example, of the 367,041 clinical cases and 12,252 confirmed cases since the beginning of the pandemic, only 121 clinical cases and two confirmed cases were detected in this week. Similarly, Argentina detected a decrease in hospitalizations for severe acute respiratory infection for the last ten weeks.

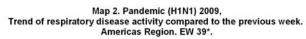


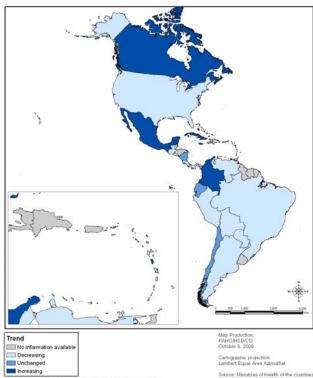




* EW 39 = epidemiological week from September 27 to October 3, 2009. Includes the latest information reported by each country this week.

solidated by PAHOMHO ted by PAHOMHO





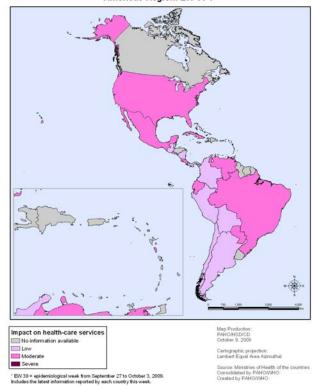
Map 4. Pandemic (H1N1) 2009, Impact of Acute Respiratory Disease on Health-Care Services. Americas Region. EW 39*.

week from September 27 to October 3, 2009 on reported by each country this week.

* EW 39 = epidemiological w Includes the latest informatio

inistries of Health led by PAHO/WHO

ed by



II- Description of hospitalizations and deaths among confirmed cases of pandemic (H1N1) 2009

A table containing case counts reported to PAHO is included in Annex 2.

Among confirmed hospitalized confirmed cases (Table 1), approximately 40-50% were women. The most affected age group was those under the age of 40. Canada and Chile observed that 60% of hospitalized cases had underlying comorbidities but Paraguay observed a much lower range. Approximately 10-30% of these cases were in pregnant women.

Table 1: Description of hospitalizations among confirmed cases of pandemic (H1N1) 2009 in selected countries

	Country					
	Argentina*	Canada	Chile	Costa Rica	Paraguay	CAREC**
Reporting period	Until EW 38	Until EW 38	Until October 6, 2009	Until October 7, 2009	Until October 9, 2009	Until September 30, 2009
Number of hospitalizations	10,773	1,479	1585	1328	128	150
Percent female		51.3	51.7	39.5	55	46.8
Age	Highest rate in the group <5 years of age	Median 23 years	Median 33 years		Median 24	"Most affected groups were 0– 14 and 20–49"
Comorbidities	-	61.7%	53.0%	-	20%	
Percent pregnant among women of child-bearing age	-	27.7****%		-	-	10.8%***

*Hospitalizations among all persons with severe acute respiratory illness

** CAREC countries and territories include Anguilla, Antigua, Barbados, Belize, Cayman Islands, Dominica, Guyana, Jamaica, Netherlands Antilles, St. Kitts and Nevis, St. Lucia, St. Vincent, Suriname, Turks and Caicos Islands

***This proportion was calculated based on the number of cases reported as pregnant (n=7) and the total number of women reported (n=65)

****The denominator was restricted to women between age 15-44

In assessing the deaths among confirmed cases, women represent 45-60%(Table 2). The age deaths have taken place mostly among adults. More than two thirds of deceased cases had underlying comorbidities, while less than thirty percent of the deceased cases were in pregnant women.

	Country					
	Argentina	Canadá	Chile	México	Paraguay	CAREC*
Reporting period	Until EW38	Until EW38	Until October 6, 2009	Until October 6, 2009	Until October 9, 2009	Until September 30, 2009
Number of confirmed deaths	539	78	133	245	42	9
Percent female	"No differences"	59%	50%	50.2%	45%	-
Age	Highest rate in group 50–59 years	Median 50 years	Median 49 years	The group with the most cases 40–49 years	The group with the most cases 20–39 years	-
Co-morbidities		81.4%	67.9%		71%	88.9%
Co-morbidities most frequently reported	-	-		Metabolic disorders 31.8% Smoking 22.9%	-	
Percent pregnant among women of child-bearing age		28.6%****	-	-	-	22.2**%

Table 2: Description of deaths among confirmed cases of pandemic (H1N1) 2009 in selected countries

*CAREC countries and territories include Anguilla, Antigua, Barbados, Belize, Cayman Islands, Dominica, Guyana, Jamaica,

Netherlands Antilles, St. Kitts and Nevis, St. Lucia, St. Vincent, Suriname, Turks and Caicos Islands

** The denominator used was all deaths as information was not provided about women of child-bearing age

****The denominator was restricted to women between age 15-44

III- Viral circulation

For the purpose of this analysis, only countries which reported data on influenza A subtypes were considered. We excluded from the calculations of the percentages, results from samples of influenza A that were not subtyped or were unsubtypeable.

Pandemic (H1N1) 2009 appears to continue to be the influenza virus in circulation. The only country reporting a significant circulation of seasonal influenza viruses is Cuba.

Country	Epidemiological Week	Percentage of Pandemic (H1N1) 2009 [#]				
Canada	99.10%					
Chile	39	100%				
Cuba	72.80%					
El Salvador	93.00%					
USA	39	99.80%				
MEDIAN percentage pandem	99.1%					

Table 3. Relative circulation of pandemic (H1N1) 2009 for selected countries Last EW Available

*Percentage of pandemic (H1N1) 2009 virus = Pandemic (H1N1) 2009 virus / All subtyped influenza A viruses

Table 4. Relative circulation of pandemic (H1N1) 2009 for selected countries Aggregated

Country	Epidemiological Week	Percentage of Pandemic (H1N1) 2009 [#]	
Chile	98.20%		
Cuba EW 01-39		74.70%	
El Salvador	57.80%		
Haiti	63.20%		
Nicaragua	96.60%		
MEDIAN percentage par	74.7%		

[#]Percentage of pandemic (H1N1) 2009 virus = Pandemic (H1N1) 2009 virus / All subtyped influenza A viruses

IV- Clinical Issues

Clinical characteristics of hospitalized cases

Infrequently, hospitalizations and deaths have resulted from pandemic (H1N1) 2009 influenza virus. Jain et al recently published an article in the New England Journal of Medicine describing clinical characteristics of patients hospitalized with 2009 (H1N1) pandemic influenza in the United States from April 2009 to mid June 2009. Of the 272 cases studied, 25% were admitted to an intensive care unit and 7% died. Forty-five percent of the patients were children under the age of 18 years, and few (5%) severe illnesses were reported among persons 65 years of age or older. Nearly three quarters of the patients had one or more underlying medical conditions including asthma, diabetes, heart, lung, and neurologic diseases, and pregnancy. Of the 249 patients who underwent chest radiography on admission, 40% (n=100) had findings consistent with pneumonia. Of the 268 patients for whom data were available regarding the use of antiviral drugs, therapy was initiated in 200 patients (75%) at a median of 3 days after the onset of illness. Data suggest that the use of antiviral drugs was beneficial in hospitalized patients, especially when such therapy was initiated early.

This manuscript is available at: http://content.nejm.org/cgi/reprint/NEJMoa0906695v1.pdf

Infection control evidence: Surgical mask versus N95 respirator use for the prevention of influenza transmission

To date, there is no consensus about the effectiveness of surgical mask as compared to N95 respirators for protecting health care workers (HCW) against influenza transmission.

Loeb M et al. published the results of a multicenter randomized trial in the Journal of the American Medical Association comparing N95 respirators with surgical mask use in HCWs. This clinical trial involved nurses working in medical units or pediatric units in eight Canadian tertiary care hospitals. Participants were evaluated for clinical and laboratory-confirmed respiratory illness using influenza serology and polymerase chain reaction (PCR) to detect a variety of respiratory viruses. Only 30% of nurses in each study group were vaccinated against influenza (trivalent influenza vaccine 2008-2009).

The results show that the incidence of influenza was similar in the two groups: surgical mask (23.6%) and N95 respirators (22.9%). In this study some factors were not addressed, for example, hand washing, the correct use of N95 respirators, and the implementation of respiratory or contact precautions. Despite some limitations, this is the first randomized trial to serve as a basis for identifying appropriate ways to protect HCW's.

Countries should provide specific attention to the implementation other strategies known to prevent the transmission of influenza in health care settings, such as administrative controls, application of standard and droplet precautions, and hand washing.

This manuscript is available at: <u>http://www.who.int/csr/resources/publications/SwineInfluenza_infectioncontrol.pdf</u>

Annex 1: Weekly monitoring of pandemic epidemiological indicators for countries that provided updated information. Region of the Americas.

ColumnyspreadFrendIntensityCare ServicesLivAntigua and BarbudaWidespreadDecreasingLow or moderateLow38BarbanasRegionalIncreasingLow or moderateModerate38BarbadosFerdinaWidespreadDecreasingLow or moderateModerate38BelizeFerdinaWidespreadDecreasingLow or moderateLow39CanadaWidespreadIncreasingLow or moderateLow39ColombiaWidespreadIncreasingLow or moderateLow39CotombiaWidespreadIncreasingLow or moderateModerate39Costa RicaWidespreadIncreasingLow or moderateModerate39CobaWidespreadIncreasingLow or moderateModerate39DominicaRegionalIncreasingHighModerate39CotadorWidespreadUnchangedLow or moderateModerate39CotadorRegionalIncreasingHighModerate39GrenadaNo activityDecreasingLow or moderateLow39GuatemalaNo activityDecreasingLow or moderateLow39GuadaWidespreadIncreasingHighModerate39GrenadaWidespreadIncreasingLow or moderateLow39GuadaWidespreadIncreasingLow or moderateLow39Gu		Geographic		ion of the Amer	Impact on Health	
ArgentinaWidespreadDecreasingLow or moderateLow338BahamasRegionalIncreasingLow or moderateModerate338BarbadosImagenti increasingLow or moderateLow339BelizeImagenti increasingLow or moderateLow339BrazilRegionalDecreasingLow or moderateLow339CanadaWidespreadIncreasingLow or moderateLow339ColombiaWidespreadIncreasingLow or moderateLow339Cotar RicaWidespreadIncreasingLow or moderateModerate339Cota RicaWidespreadIncreasingLow or moderateModerate339Cota RicaWidespreadIncreasingLow or moderateModerate339DominicaRegionalIncreasingHighModerate339DominicaRegionalIncreasingHighModerate339GrenadaRegionalDecreasingLow or moderateLow339GrenadaRegionalDecreasingLow or moderateLow339GrenadaNo activityDecreasingLow or moderateLow339GrenadaNo activityDecreasingLow or moderateLow339GrenadaNo activityDecreasingLow or moderateLow339GrenadaNo activityDecreasingLow or moderateLow339GrenadaNo activityLow or	Country		Trend	Intensity		EW
Bahanas BarbadosRegional IncreasingLow or moderateModerateModerateBarbadosIIIIIIBelizeIIIIIIBoliviaWidespreadDecreasing IncreasingLow or moderateModerate33CanadaWidespreadIncreasing IncreasingLow or moderateIncome33CotombiaWidespreadIncreasing IncreasingLow or moderateLow33CotombiaWidespreadIncreasing IncreasingLow or moderateLow33Cota RicaWidespreadIncreasing IncreasingLow or moderateModerate33Cota RicaWidespreadIncreasingHighModerate33DominicaRegionalIncreasingHighModerate33Dominican RepublicIIncreasingHighModerate33El SalvadorRegionalIncreasingLow or moderateModerate33GuatemalaNo activitDecreasingLow or moderateLow33GuatanalaNo decreateIncreasingLow or moderateLow33GuatanalaNidespreadIncreasingLow or moderateLow33GuatanalaNi decreateIncreasingLow or moderateLow33GuatanalaNi decreateIncreasingLow or moderateLow33GuatanalaNi decreateIncreasingHighModerate33 </td <td>Antigua and Barbuda</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Antigua and Barbuda					
BarbadosIndiant International Int	Argentina	Widespread	Decreasing	Low or moderate	Low	38
BelizeImage: style image: style	Bahamas	Regional	Increasing	Low or moderate	Moderate	38
BoliviaWidespreadDecreasingLow or moderateLowJamaBrazilRegionalDecreasingLow or moderateModerate33CanadaWidespreadUnchagedLow or moderateLow39ChileWidespreadUncreasingLow or moderateLow39ColombiaWidespreadIncreasingLow or moderateModerate33Costa RicaWidespreadDecreasingLow or moderateModerate33CubaWidespreadIncreasingHighModerate33DominicaRegionalIncreasingHighModerate33DominicaRegionalUncreasingHighModerate33CubaRegionalUncreasingHighModerate33CoradaNactivityDecreasingLow or moderateModerate33GrenadaNa cativityDecreasingLow or moderateLow33GuyanaNa cativityDecreasingLow or moderateLow33HaitiIncreasingIncreasingLow or moderateLow33GuyanaVidespreadIncreasingLow or moderateLow33GuyanaVidespreadIncreasingLow or moderateLow33GuyanaVidespreadIncreasingLow or moderateLow33GuyanaVidespreadIncreasingLow or moderateLow33MaxicaNa cativityIncreasingLow or moderate <td>Barbados</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Barbados					
BrazilRegionalDecreasingLow or moderateModerate3.9CanadaWidespreadIncreasingLow or moderateLow3.9ChileWidespreadIncreasingLow or moderateLow3.9ColombiaWidespreadIncreasingLow or moderateLow3.9Costa RicaWidespreadIncreasingLow or moderateModerate3.9Costa RicaWidespreadIncreasingHighModerate3.9DominicaRegionalIncreasingHighModerate3.9Dominica RepublicIncreasingHighModerate3.9Et SalvadorRegionalDecreasingHighModerate3.9GenadaNo activityDecreasingHighModerate3.9GuatemalaNo activityDecreasingLow or moderateLow3.9GuatemalaNo activityDecreasingLow or moderateLow3.9GuatamalaNo activityIncreasingLow or moderateLow3.9GuatamalaWidespreadIncreasingLow or moderateLow3.9GuatamalaWidespreadIncreasingLow or moderateLow3.9GuatamalaWidespreadIncreasingLow or moderateLow3.9GuatamalaWidespreadIncreasingLow or moderateLow3.9JamaicaWidespreadIncreasingLow or moderateLow3.9ParaguayWidespreadDecrea	Belize					
CanadaWidespreadIncreasingLow or moderateIncreasingLow or moderateLow339ColombiaWidespreadIncreasingLow or moderateLow339Costa RicaWidespreadIncreasingLow or moderateModerate339CubaWidespreadIncreasingHighModerate339DominicaWidespreadIncreasingHighModerate339Dominica RepublicWidespreadUnchangedLow or moderateModerate339EtuadorWidespreadUnchangedLow or moderateModerate339EquadorWidespreadUncreasingHighModerate339GrenadaRegionalDecreasingLow or moderateLow339GuatemalaNo activityDecreasingLow or moderateLow339GuyanaIncreasingLow or moderateLow339HaitiIncreasingLow or moderateLow339JamaicaWidespreadIncreasingLow or moderateLow339NicaraguaWidespreadIncreasingHighModerate339ParaguayWidespreadIncreasingHighModerate339ParaguayWidespreadIncreasingLow or moderateLow339ParaguayWidespreadDecreasingLow or moderateLow339ParaguayWidespreadDecreasingHighModerate339Saint Kitts and NevisNo ac	Bolivia	Widespread	Decreasing	Low or moderate	Low	39
ChileWidespreadUnchangedLow or moderateLow339ColombiaWidespreadIncreasingLow or moderateModerate339CubaWidespreadIncreasingHighModerate339CubaRegionalIncreasingHighModerate339DominicaRegionalIncreasingHighModerate339Dominica RepublicRegionalLow or moderateModerate39EcuadorWidespreadUnchangeLow or moderateModerate39GrenadaRegionalDecreasingHighModerate39GrenadaNo activityDecreasingLow or moderateLow or anderate39GuatemalaNo activityDecreasingLow or moderateLow or anderate39GuagaaNo activityDecreasingLow or moderateLow or anderate39JamaicaWidespreadIncreasingLow or moderateLow or anderate39NicaraguaWidespreadIncreasingLow or moderateLow or anderate39ParaguayWidespreadIncreasingLow or moderateLow or anderate39Saint Kits and NevisNo activityDecreasingLow or moderateLow or anderate39Saint Vicent and the GrenadineNo activityIncreasingLow or moderateLow or anderate39Saint Kits and NevisNo activityUnchangedLow or moderateLow or anderate1039Saint Kits an	Brazil	Regional	Decreasing	Low or moderate	Moderate	39
ColombiaWidespreadIncreasingLow or moderateLowModerateM39Costa RicaWidespreadIncreasingHighModerate39DominicaRegionalIncreasingHighModerate39Dominica RepublicImageLow or moderateModerate39EcuadorWidespreadUnchangedLow or moderateModerate39GrenadaRegionalDecreasingHighModerate39GrenadaNo activityDecreasingLow or moderateLow or moderate39GuatemalaNo activityDecreasingLow or moderateLow39GuatemalaNo activityDecreasingLow or moderateLow39HaitiImageLow or moderateLow3939JamaicaWidespreadIncreasingLow or moderateLow39NicaraguaWidespreadIncreasingLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangeLow or moderateLow39Saint Kitts and ArevisNo activityUnchangeLow or moderateLow39Saint Kitts and NevisNo activityUnchangeLow or moderateLow39Saint Kit	Canada	Widespread	Increasing	Low or moderate		39
Costa RicaWidespreadDecreasingLow or moderateModerate339CubaWidespreadIncreasingHighModerate339DominicaRegionalIncreasingHighModerate339Dominican RepublicIIncreasingHighModerate339EcuadorWidespreadUnchangedLow or moderateModerate339El SalvadorRegionalDecreasingHighModerate339GrenadaIIncreasingHighModerate339GuatemalaNo activityDecreasingLow or moderateLow339GuyanaIncreasingLow or moderateLow339HaitiIncreasingLow or moderateLow339JamaicaWidespreadIncreasingLow or moderateLow339NicaraguaWidespreadIncreasingLow or moderateLow339PanamaWidespreadIncreasingLow or moderateLow339ParaguayWidespreadDecreasingLow or moderateLow339ParaguayWidespreadDecreasingLow or moderateLow339Saint Kitts and NevisNo activityUnchangedLow or moderateLow339Saint Kitts and NevisNo activityUnchangedLow or moderateLow339Saint Kitts and NevisNo activityUnchangedLow or moderateLow339Saint Kitts and NevisNo activityUn	Chile	Widespread	Unchanged	Low or moderate	Low	39
CubaWidespreadIncreasingHighModerate39DominicaRegionalIncreasingHighModerate39Dominican RepublicIIncreasingLow or moderateModerate39Et SalvadorRegionalDecreasingHighModerate39GrenadaIIIncreasingHighModerate39GuatemalaNo activityDecreasingLow or moderateLow39GuyanaIIncreasingLow or moderateLow39HaitiIncreasingLow or moderateLow38MexicoWidespreadIncreasingLow or moderateLow39NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesIncreasingLow or moderateLow39Saint Vincent and the GrenadinesIncreasing<	Colombia	Widespread	Increasing	Low or moderate	Low	39
Dominica Dominica RepublicRegionalIncreasing IncreasingHighModerate33EcuadorWidespreadUnchangedLow or moderateModerate39El SalvadorRegionalDecreasingHighModerate39GrenadaNo activityDecreasingLow or moderateLow39GuatemalaNo activityDecreasingLow or moderateLow39GuyanaIncreasingLow or moderateLow39HaitiIncreasingLow or moderateLow38MexicoWidespreadIncreasingHighModerate39NicaraguaWidespreadIncreasingHighModerate39PanamaWidespreadUnchangedLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39Saint Kits and NevisNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesIncreasingLow or moderateLow39SurinameIncreasingLow or moderateLow39Saint Vincent and the GrenadinesIncreasingLow or moderateLow39SurinameIncreasingIncreasingHighModerate39United States of AmericaWidespreadDecreasing <td>Costa Rica</td> <td>Widespread</td> <td>Decreasing</td> <td>Low or moderate</td> <td>Moderate</td> <td>39</td>	Costa Rica	Widespread	Decreasing	Low or moderate	Moderate	39
Dominican RepublicImage of the second se	Cuba	Widespread	Increasing	High	Moderate	39
EcuadorWidespreadUnchangedLow or moderateModerate3.9El SalvadorRegionalDecreasingHighModerate3.9GrenadaNo activityDecreasingLow or moderateLow3.9GuyanaModerateI.ouLow3.93.9HaitiI.ouI.ouI.ouI.ou3.9JamaicaWidespreadIncreasingModerateLow3.9NicaraguaWidespreadIncreasingHighModerate3.9PanamaWidespreadUnchangedLow or moderateLow3.9ParaguayWidespreadDecreasingHighModerate3.9Saint Kitts and NevisNo activityUnchangedLow or moderateLow3.9Saint Vincent and the GrenadinesNo activityUnchangedLow or moderateLow3.9SurinameI.ouI.ouI.ouI.ou3.93.9Juried States of AmericaWidespreadDecreasingHighModerate3.9Juried States of AmericaWidespreadI.ouI.ouI.ou3.9Puerto Rico (U.S.)MidespreadDecreasingHighModerate3.9Puerto Rico (U.S.)MidespreadI.ouI.ouI.ou3.9MidespreadI.ouI.ouI.ouI.ou3.9Saint LuciaI.ouI.ouI.ouI.ouI.ouJuried States of AmericaWidespreadI.ouI.ouI.ou<	Dominica	Regional	Increasing	High	Moderate	39
El SalvadorRegionalDecreasingHighModerate39GrenadaNo activityDecreasingLow or moderateLow39GuyanaNo activityDecreasingLow or moderateLow39HaitiIncreasing <t< td=""><td>Dominican Republic</td><td></td><td></td><td></td><td></td><td></td></t<>	Dominican Republic					
GrenadaGrenadaIndex	Ecuador	Widespread	Unchanged	Low or moderate	Moderate	39
GuatemalaNo activityDecreasingLow or moderateLowSaleGuyanaIIIIIIIHaitiIIIIIIIHondurasIIIIIIIJamaicaWidespreadIncreasingHighModerate39NicaraguaWidespreadIncreasingLow or moderateLow39PanamaWidespreadUnchangedLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39SurinameIIIIIITrinidad and TobagoIIIIIIUnited States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)IIIIIIIVirgin Islands (U.S.)IIIIIIIVirgin Islands (U.S.)IIIIIIIIIIIIIIIIIIIIIIIIIIII	El Salvador	Regional	Decreasing	High	Moderate	39
GuyanaIndicationIndicationIndicationHaitiIncreasingIncreasingLow or moderateLow38HondurasWidespreadIncreasingHighModerate39JamaicaWidespreadIncreasingHighModerate39NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaIncreasingLow or moderateLow39SurinameIncreasingLow or moderateLow39Trinidad and TobagoIncreasingLow or moderateLow39Puerto Rico (U.S.)VidespreadDecreasingHighModerate39Virgin Islands (U.S.)IncreasingLow or moderateIncreasingIncreasingIncreasingVirgin Islands (U.S.)IncreasingDecreasingHighModerate39Virgin Islands (U.S.)IncreasingIncreasingHighModerate39IncreasingIncreasingIncreasingIncreasingIncreasingIncreasingIncreasingSurinameIncreasingIncreasingIncreasingHighModerate39IncreasingIncreasing<	Grenada					
Haiti HondurasIndex WidespreadIncreasing IncreasingLow or moderateLow38JamaicaWidespreadIncreasingHighModerate39NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingLow or moderateLow39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesNo activityUnchangedLow or moderateLow39SurinameIncreasingLow or moderateLow3939MidespreadDecreasingLow or moderateLow39Saint Vincent and the GrenadinesIncreasingLow or moderateLow39SurinameIncreasingIncreasingIncreasingIncreasingIncreasingUnited States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)IncreasingIncreasingHighModerate39Virgin Islands (U.S.)IncreasingIncreasingIncreasingIncreasingIncreasingVirgin Islands (U.S.)IncreasingIncreasingIncreasingIncreasingIncreasingVirgin Islands (U.S.)IncreasingIncreasingIncreasingIncreasingIncreasingVirgin Isla	Guatemala	No activity	Decreasing	Low or moderate	Low	39
HondurasImage: Second seco	Guyana					
JamaicaWidespreadIncreasingLow or moderateLow38MexicoWidespreadIncreasingHighModerate39NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesNo activityUnchangedLow or moderateLow39United States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)WidespreadDecreasingHighModerate39Virgin Islands (U.S.)WidespreadDecreasingLow or moderateLow39Out of the states of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)WidespreadDecreasingHighModerate39Out of the states of AmericaWidespreadDecreasingHighModerate39Out of the states of AmericaWidespreadDecreasingHighModerate39Out of the states of AmericaWidespreadDecreasingHighModerate39Out of the states of America	Haiti					
MexicoWidespreadIncreasingHighModerate39NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesImagerImagerImagerImagerImagerImagerTrinidad and TobagoWidespreadDecreasingHighModerate39Puerto Rico (U.S.)ImagerImagerImagerImagerImagerImagerVirgin Islands (U.S.)ImagerImagerImagerImagerImagerImagerImagerVirgin Islands (U.S.)ImagerImagerImagerImagerImagerImagerImagerImagerVirgin Islands (U.S.)ImagerIm	Honduras					
NicaraguaWidespreadUnchangedLow or moderateLow39PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesImage: Saint Sitter Sitt	Jamaica	Widespread	Increasing	Low or moderate	Low	38
PanamaWidespreadDecreasingLow or moderateLow39ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesSurinameImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesSurinameImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesUnited States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)Image: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesVirgin Islands (U.S.)Image: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesImage: Comparison of the GrenadinesUnited States of AmericaWidespreadDecreasingHighModerate39Umage: Comparison of the Grenadines	Mexico	Widespread	Increasing	High	Moderate	39
ParaguayWidespreadDecreasingHighModerate39PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint LuciaNo activityUnchangedLow or moderateLow39Saint Vincent and the GrenadinesImageImageImageImageImageImageSurinameImageImageImageImageImageImageImageUnited States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)ImageImageImageImageImageImageVirgin Islands (U.S.)ImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageImageVirgin Islands (U.S.)Image<	Nicaragua	Widespread	Unchanged	Low or moderate	Low	39
PeruWidespreadDecreasingLow or moderateLow39Saint Kitts and NevisNo activityUnchangedLow or moderateLow39Saint Lucia39Saint Vincent and the Grenadines39SurinameTrinidad and TobagoUnited States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)Virgin Islands (U.S.)	Panama	Widespread	Decreasing	Low or moderate	Low	39
Saint Kitts and NevisNo activityUnchangedLow or moderateLowLow39Saint LuciaII <td>Paraguay</td> <td>Widespread</td> <td>Decreasing</td> <td>High</td> <td>Moderate</td> <td>39</td>	Paraguay	Widespread	Decreasing	High	Moderate	39
Saint LuciaImage: Constraint of the second seco	Peru	Widespread	Decreasing	Low or moderate	Low	39
Saint Vincent and the GrenadinesImage: Second s	Saint Kitts and Nevis	No activity	Unchanged	Low or moderate	Low	39
SurinameImage: SurinameSurinameImage: SurinameImage: SurinameImage: SurinameSurin	Saint Lucia					
Trinidad and TobagoMidespreadDecreasingHighModerate39United States of AmericaWidespreadDecreasingHighModerate39Puerto Rico (U.S.)Virgin Islands (U.S.)Image: Comparison of the state of	Saint Vincent and the Grenadines					
United States of America Widespread Decreasing High Moderate 39 Puerto Rico (U.S.) Virgin Islands (U.S.) Image: Comparison of the state of the	Suriname					
Puerto Rico (U.S.) Virgin Islands (U.S.)	Trinidad and Tobago					
Virgin Islands (U.S.)	United States of America	Widespread	Decreasing	High	Moderate	39
	Puerto Rico (U.S.)					
	Virgin Islands (U.S.)					
Uruguay	Uruguay					
Venezuela Widespread Decreasing Low or moderate Moderate 39	Venezuela	Widespread	Decreasing	Low or moderate	Moderate	39

NIA = No information available

Annex 2: Number of cases and deaths confirmed for the Pandemic (H1N1) 2009 virus Region of the Americas. Updated as of XX 2009, (17 h GMT; 12 h EST). Source: Ministries of Health of the countries in the Region.

Country	Number of confirmed cases	Number of deaths	New cases (since Oct. 2)	New deaths (since Oct. 2)
Antigua & Barbuda	3	0	0	0
Argentina	9,049	539	13	1
Bahamas	23	0	0	0
Barbados	131	2	35	1
Belize	36	0	13	0
Bolivia	2,269	56	98	2
Brazil**	9,249	899	0	0
Canada*	10,156	79	0	1
Chile	12,252	134	4	2
Colombia	2,099	100	362	11
Costa Rica	1,494	38	41	1
Cuba	468	7	53	6
Dominica	10	0	8	0
Dominican Republic	424	22	0	0
Ecuador	2,002	67	130	3
El Salvador	763	20	14	1
Grenada	3	0	0	0
Guatemala	810	13	0	0
Guyana	17	0	5	0
Haiti	43	0	38	0
Honduras	524	16	9	0
Jamaica	104	4	7	0
Mexico	36,593	248	3,643	12
Nicaragua	2,100	11	41	0
Panama	787	11	13	0
Paraguay	682	42	43	0
Peru	8,480	153	175	10
Saint Kitts & Nevis	6	1	0	0
Saint Lucia	13	0	0	0
Saint Vincent & Grenadines	2	0	0	0
Suriname	11	2	0	0
Trinidad & Tobago	97	0	0	0
United States***	50,768	833	2,850	58
Uruguay*	550	20	2,000	0
Venezuela	1,679	89	86	5
TOTAL	153,697	3,406	7,681	114

*This country no longer updates on the total number of confirmed cases; only on the number of deaths. **Brazil reports the number of cases of severe acute respiratory infections (SRAG) that have been confirmed for pandemic (H1N1) 2009.

*** Since August 30 2009 the United States has replaced the weekly report of laboratory confirmed 2009 H1N1-related hospitalizations and deaths with a new system (either laboratory-confirmed or pneumonia and influenza syndromic hospitalizations and deaths resulting from all types or subtypes of influenza). The number of cases remains unchanged since EW 29; meanwhile, the number of deaths reflects those that were reported prior to August 30 (confirmed and probable for pandemic (H1N1) 2009) and those that have been reported under the new reporting system (used as a proxy for confirmed cases of pandemic (H1N1) 2009 given that it represents over 99% of influenza A samples.

As of **9 October**, a total of **153,697 confirmed cases** have been notified in all **35 countries** in the Americas Region. A total of **3,406 deaths** have been reported among the confirmed cases in **25 countries** of the Region.

In addition to the figures displayed in **Annex 1**, the following overseas territories have confirmed cases of pandemic (H1N1) 2009: American Samoa. U.S. Territory (8); Guam U.S. Territory (1); Puerto Rico U.S. Territory (20); Virgin Islands U.S. Territory (49); Bermuda, UK Overseas Territory (1); Cayman Islands, UK Overseas Territory (1); British Virgin Islands, UK Overseas Territory (2); Turks and Caicos Islands (3); Martinique French, Overseas Community (44, 1 death); Guadeloupe, French Overseas Community (27); Guyane, French Overseas Community (29); Saint-Martin, French Overseas Community (19); Saint Bartholomew, French Oversease Community (2); Netherlands Antilles, Aruba (13); Netherlands Antilles, Bonaire (29); Netherlands Antilles, Curaçao (46)*; Netherlands Antilles, St. Eustatius (1); and Netherlands Antilles St. Maarten (22).

* Three cases were reported on a cruise-ship.

The distribution of cases and deaths at the first sub-national level can be found in the interactive map available through the following link: <u>http://new.paho.org/hq/images/atlas/en/atlas.html</u>