

# HURRICANE MATTHEW

Situation Report No.8 Date: 07 October 2016 (18:00 EST)

PAHO HQ- Washington DC















This report is produced by PAHO/WHO in collaboration with PAHO Country Offices, Ministries of Health, and with inputs from official organizations. This report covers the period from 06-07 October 2016 at 13:00 EST.






## HIGHLIGHTS

- Hurricane Matthew has severely affected the Sud and Grand'Anse Departments, particularly in the communes of Les Cayes and Jérémie, in Haiti
- Matthew is a Category 3 Hurricane with maximum sustained winds near 120mph (195 km/h)
- A Hurricane Warning is in effect for parts of Florida and 4 states (Florida, North Carolina, South Carolina, and Georgia) have declared a state of emergency
  - Mandatory evacuations for an estimated 2 million people are in effect and there are 198 shelters with 27,110 occupants across three states
  - In Florida, over 500,000 people are without power
  - Beauford Memorial Hospital in South Carolina has begun evacuating patients (approx. 70) and has closed the Emergency Room due to the predicted storm surges from Hurricane Matthew

## SITUATION OVERVIEW

- On October 4, At 7:00am, Matthew made landfall near Les Anglais, Haiti (estimated pop. 27, 182)
- PAHO has deployed a total of 11 Regional Response Team Experts to 4 countries (see table below)

Country	PAHO Deployees
Haiti	    
Bahamas	  
Jamaica	  
Cuba	

 WASH  HEALTH COORD  DANA  LOG  EMT COORD

## RESPONSE ACTIONS:

### HAITI

- Approx. 300 persons dead mainly in the Southwest peninsula; more than 152,000 people in 500 shelters, in some of them lack of water and food is beginning to show, 58 missing in Grand' Anse; an estimated 186 persons are injured, preliminary evaluations are ongoing, however, access to other areas remain difficult
- The Haitian Civil Protection Agency reports that 350,000 people need assistance
- Over 29,000 houses and public infrastructure are destroyed or severely damaged
- The majority of port infrastructures in the Sud Department are damaged
- Collapse of Petit Goave Bridge has isolated communities in South, Nippes and Grand'Anse
- Technicians from DINEPA Tepac are evaluating the water quality
- Other NGOs (MDM Argentina, Red Cross Haiti, ACF, and ADEMA) are evaluating the situation in Nord Ouest, Sud Est, and Centre departments
- WFP's South East Haiti office estimates that up to 80% of harvest is lost in some areas

### PAHO/WHO:

- 4 PAHO-HTI field teams are on the ground as well as a Rapid Response Emergency Unit, in addition 2 more teams will have a presence in Jérémie and Les Cayes
- 3 PAHO experts deployed to complement nearly 50 PAHO-HTI team members supporting hurricane operations
- PAHO has delivered essential medicines and supplies to several departments

### *Health Facilities*

- Most hospitals are receiving hundreds of injured patients because of the hurricane. Some are substituting as non-functioning hospitals
- All have needs for medical supplies, medication, water and personnel
- In 5 departments, out of 10 hospitals or health centers:
  - 6 intact and functioning
  - 1 damaged partially and functioning
  - 3 damaged and non-functioning

Department	City	Type	Impact	Capacity	Needs
<b>Nord-Ouest</b>	Port de Paix	Hospital	Intact and functional	23 beds. All services are functional	All resources are sufficient. Needs personnel in case the influx of patients raised
<b>Ouest</b>	Petit Goave	Hospital	Great influx of patients: trauma and diarrhea in infants	80 beds. Received supplies from MSPP on Oct 6	
	HUEH Port au Prince	Hospital	Intact and functional: has received more patient related to Hurricane Matthew (trauma and fractures)	All services functioning	Need antitetanic serum
<b>Sud Est</b>	Jacmel	Hospital	Intact. Received 3 patients related to hurricane (trauma and fractures)		Not enough personnel
<b>Nippes</b>	Miragoane	Hospital	Has received many patients related to hurricane because St Boniface is inaccessible. Cases: OBGYN and trauma	110 beds	Not enough personnel
<b>Sud</b>	Les Anglais	Health Center	Completely destroyed		
	Port Salut	Hospital	Functional and has received 200 injured	Medical personnel available	
		CTDA	Damaged and part of the roof destroyed		
	Camp Perrin	Health Center	100 injured related to hurricane		
		CTDA	Destroyed		

## THE BAHAMAS/TURKS AND CAICOS ISLANDS

- 'All Clear' has been given to 12 islands
- Grand Bahama greatly affected; NEMA has begun their search and rescue activities
- Over 1.3 million people were initially mandatorily evacuated
- Electricity is in the process of being restored in New Providence, assessments are ongoing.

### PAHO/WHO:

- PAHO-BHS is still providing support for NEOC operations
- 3 persons affected; 730 persons in shelters
- The MoH has reported leaks and roof damage and Health EOC has been relocated

#### *Health Facilities*

- Out of 81 health facilities across the Bahamas, 66 have been confirmed operational, 6 are currently not operational, and the MoH has not been able to communicate with the 9 remainder hospitals

## CUBA

- 90% of homes in the community of Baracoa have been damaged; 5 municipalities (176,000 people) in Guantánamo Province remain isolated and the agricultural sector has been damaged
- Over 1 million people were affected by the storm
- Electrical service and water systems have been severely affected
- Assessments are ongoing
- The hurricane could have a "bow" trajectory and threaten the western side of the island next week

#### *Health Facilities*

- Electricity generators at Hospital Octavio de la Concepcion and de la Pedraja, in Caracoa collapsed. This will affect more than 130,500 people

## JAMAICA

- 2 shelters remain open with 900 occupants

## DOMINICAN REPUBLIC

- 5 provinces still on yellow alert and 8 on green alert due to possible flooding or river overflowing.
- MoPH began epidemiological surveillance

### Government:

- 18,904 people affected; 1,039 people in 21 shelters in 14 provinces; 4 deaths
- 3,174 homes affected and 6 bridges collapsed
- 21 provinces remain under a red alert; yellow alert remains for 5 provinces and green alert for 8, due to possible flash flooding
- 94 aqueducts/water systems are out of service in 8 provinces; electrical systems were severely affected

### PAHO/WHO

#### *Health Facilities*

- MoH reported that all affected hospitals are now functioning. Damage assessment ongoing for Hospital Municipal de Vicente Noble

## COLOMBIA

### Government:

- An estimated 15,000 families have been affected
- 13,000 liters (approx. 3400 gallons) of potable water has been delivered by the Civil Defense as part UNGRD

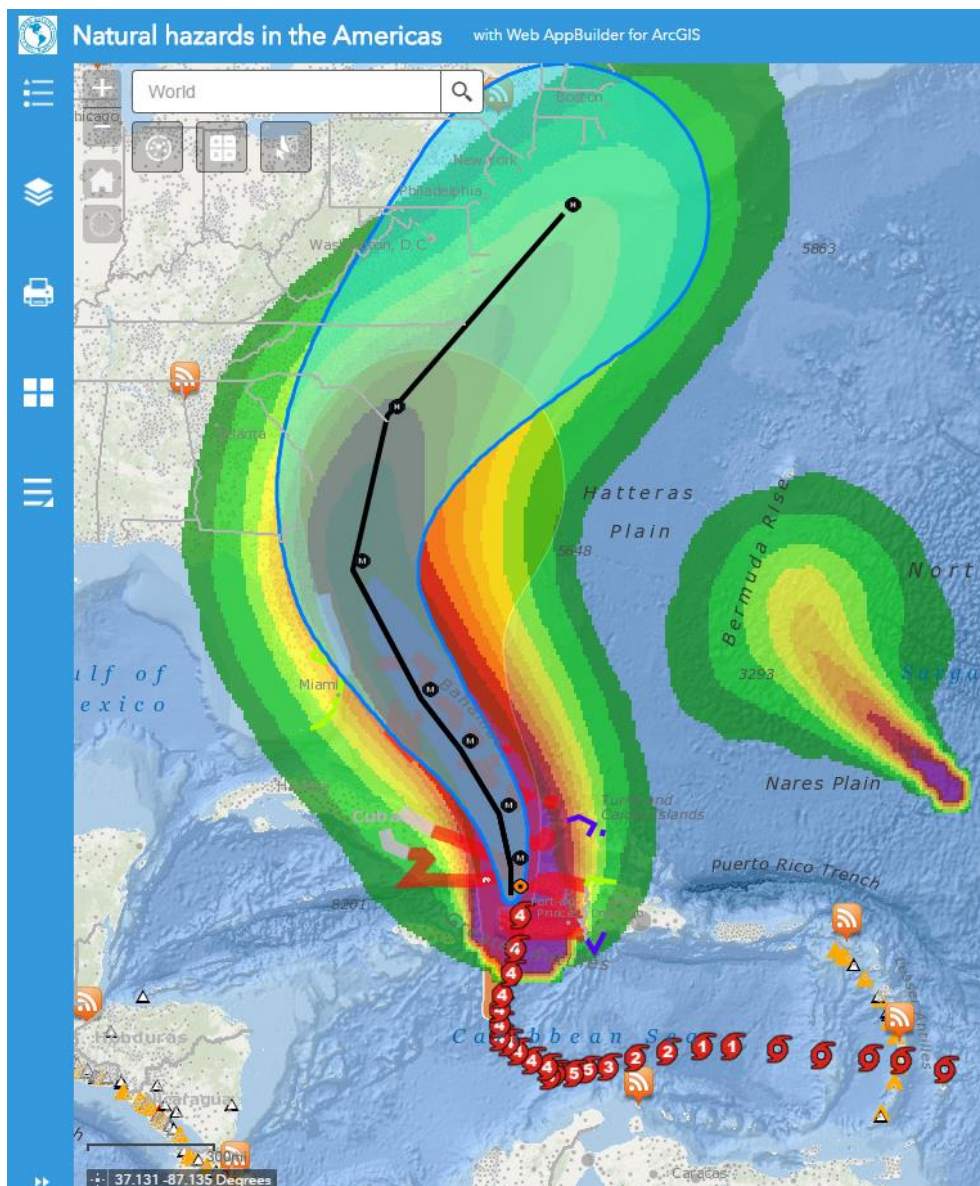
## NEEDS



- Bahamas: Vector control supplies
- Jamaica: Water and sanitation supplies
- Haiti: Petit Goave Hospital requested essential medicines and supplies. A request has been placed through GOARN for additional staffing for enhancement of the Alert and Response System. Need for antitetanic vaccine.
- Cuba: Essential medicines and supplies

## Acronyms

- **ACF- Action Contre La Faim**
- **BHS- Bahamas**
- **BPL- Bahamas Power and Light Company Limited**
- **COORD- Coordination**
- **DANA- Damage Analysis and Need Assessment**
- **DINEPA- Direction Nationale de l'Eau Potable et de l'Assainissement**
- **EMT- Emergency Medical Team**
- **EOC- Emergency Operations Center**
- **GOARN- Global Outbreak Alert and Response Network**
- **HTI- Haiti**
- **INAPA- Instituto Nacional de Aguas Potables y Alcantarillados**
- **LOG- Logistics**
- **MDM- Médicos del Mundo Argentina**
- **MoPH- Ministry of Public Health**
- **NGO- Non-Governmental Organization**
- **NEMA- National Emergency Management Agency**
- **NEOC- National Emergency Operations Center**
- **NRC- Nuclear Regulatory Commission**
- **PAHO- Pan American Health Organization**
- **RRT- Regional Response Team**
- **UNGRD- Unidad Nacional para la Gestión del Riesgo de Desastres**
- **WASH- Water, Sanitation, and Hygiene**
- **WFP- World Food Programme**
- **WHO- World Health Organization**



Sources: **CDEMA; OCHA; PAHO-HTI; PAHO-CUB; PAHO-BHS; PAHO-JAM; NOAA-NHC; DC COLOMBIA; FEMA; MPH-OEA; NEMA**

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