

### HIGHLIGHTS

- Engineers from the Ministry of Health and PAHO carried out a structural assessment of 5 main health facilities in the affected departments:
  - 4/5 health facilities suffered mild to no damage; and
  - 1/5 health facilities – Immaculée Conception (HIC), in Les Cayes – suffered moderate to severe damage. 42% of the buildings suffered severe damage and have high risk of collapse in case of future earthquake.
- The Health Directorate of Sud Department (DSS) announced that no more mobile health clinics will be allowed in the department after September 14. The priority now is to reconstruct and restore the 20 health facilities damaged by the earthquake.
- The Health Directorate of Nippes Department (DSNi) has identified the following needs: medicines and medical supplies, qualified human resources mainly for maternal and child health care services, and the reestablishment of routine vaccination strategies.
- Other in-country needs: restoration of primary care health services, reconstruction and repair of damaged health facilities, and reagents for the National Blood Bank.
- As of September 3, according to IOM, more than 26,200 people have been displaced to 65 assembly points, because of the devastating earthquake.
- PAHO/WHO team is training the Department of Epidemiology, Laboratory, and Research (DELR) staff on the set-up of Early Warning, Alert and Response System (EWARS) in assembly points in the affected departments.



PAHO/WHO and mobile health clinic carrying out COVID-19 testing in Grand'Anse Department  
Source: PAHO Haiti Country Office

### IN NUMBERS

**~2M Exposed<sup>1</sup>**

**Grand'Anse: 440,417**

**Nippes: 297,348**

**Sud: 744,897**

**Ouest: 491,858**

**Sud-Est: 201,419**

**2,246 Deaths**

**12,763 Injured**

**329 Missing**

**62 Damaged health facilities**

(Based on official numbers from the DGPC)

**~ 26,200**

**Displaced<sup>2</sup>**

<sup>1</sup> Population in departments and communes where an intensity greater than 6 degrees was recorded on the Modified Mercalli Scale.

<sup>2</sup> According to IOM Displacement Tracking Matrix – September 3



- As of September 4, based on the rapid assessment<sup>3</sup> conducted by the Departmental Health Directorates with the support of PAHO/WHO, 159 facilities have been assessed, of which, 28 are severely damaged and 60 slightly damaged.
- As of September 9, the structural assessment of affected health facilities, conducted by PAHO/WHO SAFE/SMART Initiative engineer jointly with an engineer from the Directorate for the Organization of Health Services (DOSS/MSPP), concluded that: 4/5 health facilities suffered mild to no damage and 1/5 health facilities – Hospital Immaculée Conception (HIC) – suffered moderate to severe damage.

Health Facility	Location	Damage Status	Assessment Date	Functionality	Comments
Hospital Immaculée Conception (HIC)	Les Cayes, Sud department	Moderate to Severe	6-Sep	Fully functional (MSF present with 350 beds and an operating theatre)	42% of buildings suffered severe damage. A&E, Pharmacy, and medical stores possess high risk of collapse in case of future earthquake. Maternity, male & female wards – suffered moderate damage. Pediatrics and COVID-19 wards are closed, and services relocated.
Hospital Saints Anne	Camp Perrin, Sud department	No damage/mild	6-Sep	Fully functional	Cracks observed are insignificant and do not cause structural safety concern.
HCR	Port Salut, Sud department	Mild damage	7-Sep	Fully functional	Minor cracks in the wards section of the building and battery storage room. No significant cracks observed elsewhere.
Blood Bank (Transfusion post)	Les Cayes, Sud department	No damage	7-Sep	Fully functional-Croix Rouge	
Saint Antoine Hospital (HSA)	Jeremie, Grand'Anse department	No damage	4-Sep	Fully functional	Cracks observed are insignificant and do not cause structural safety concern.

#### **Grand'Anse Department:**

- The Health Directorate (DSGA) identified the following priorities: deployment of mobile health clinics to secluded areas, set-up of temporary structures to continue providing care in damaged health facilities, and provision of medicines and medical supplies to said facilities.
- The DSGA deployed mobile health teams – composed of health personnel, data registry personnel, a laboratory technician to screen for COVID-19, malaria, and watery diarrheas – to several communes (Pestel, Corail, Dicity, Beaumont, Roseaux, Chambellan, Abricots and the Cayemite Islands). These teams will perform screening activities and will report gaps and needs daily to the departmental level.
- Four mobile vaccinator teams have vaccinated 228 people for COVID-19. As of *September 10*, 52,070 vaccines doses have been administered (37,048 first doses and 15,022 second doses.)
- Saint Antoine Hospital (HSA):
  - Operations have resumed after security concerns regarding attacks on health personnel were resolved. MSF have also restarted their support to the hospital.
  - Needs lab supplies.
  - Dedicated space for mental health consultation has been set aside with the support of PAHO/WHO. Consultations are scheduled to begin before September 13.

<sup>3</sup> Based on a rapid assessment conducted by Health Directorates and PAHO/WHO assistant epidemiologists. This is not a structural assessment.

### **Sud Department:**

- The Health Directorate (DSS) announced that no more mobile health clinics will be allowed in the department after September 14. The priority now is to reconstruct and restore the 20 health facilities damaged by the earthquake.
- DSS advised partners to stop using medicines with close expiration date, and that medicines and medical supplies given to patients should be of good quality.
- DSS recommended mobile clinics running out of supplies concentrate their efforts on fewer communes to ensure enough supply to conduct their operations.
- Oxygen generator in the department is not functioning and needs to be repaired.
- PAHO/WHO continues supporting daily epidemiological surveillance activities in health facilities to avoid potential outbreaks.

### **Nippes Department:**

- The health needs identified by the Health Directorate (DSNi) include: medicines and medical supplies, qualified human resources – mainly for maternal and child health care – and reestablishment of routine vaccination operations.
- COVID-19 vaccination has restarted in Baradères commune.



### **SHELTER**

- As of September 3, according to IOM's Displacement Tracking Matrix, more than 26,200 people have been displaced to 65 assembly points: 40 sites in Sud Department, 15 in Nippes and 10 in Grand'Anse.
- PAHO/WHO jointly with the Ministry of Health (MSPP) continue setting-up and implementing syndromic surveillance at assembly points in affected departments.

#### **Grand' Anse Department:**

- The Health Directorate (DSGA) with the support of PAHO are visiting assembly points to register information regarding pregnant women and gender-based violence (GBV) cases.
- DSGA and PAHO have finalized the training of focal points for syndromic surveillance data gathering in assembly points. A call center will be used to transmit information from assembly points to Department of Epidemiology, Laboratory, and Research (DELR).

#### **Sud Department:**

- The Health Directorate (DSS) with PAHO have carried out a census of target population in 24/40 assembly points: 252 pregnant women out of 2,245 women of childbearing age were identified.



### **NEEDS**

#### **NEEDS:**

- Carry out structural assessments of health institutions to check on building's integrity and soundness. Evaluation will be conducted by DOSS/MSPP.
- Psychosocial support for healthcare personnel and the general population in process
- Medical supplies and medicines in process; distribution starts next week.
- Reinstatement of primary care health services in damaged health facilities.
- Reconstruction and repair of damaged health facilities.
- Reagents for the National Blood Bank.
- Qualified health personnel, mainly for maternal and child health services, for Nippes department.
- Reestablishment of routine vaccination campaigns in Nippes department.



## RESPONSE

### **GOVERNMENT RESPONSE:**

- The National Directorate of the Expanded Program on Immunization (UCNPV/MSPP), with the support of PAHO/WHO, is preparing a vaccination plan for the affected departments, focused on COVID-19 (using J&J one dose vaccine) and measles.
- Haiti's Civil Protection (DGPC) has announced the first phase of emergency operations are over and rescue activities have concluded. A report for the first stage has been published.
- The Ministry of Health (MSPP) led the health group meeting jointly with PAHO and requested partners share information regarding the distribution of medicines and medical supplies directly with health facilities and health directorates.
- The National Ambulance Center (CAN) requested partners to support CAN staff impacted by the earthquake with tents and hygiene kits.

#### **Grand' Anse Department:**

- DSGA carried out coordination meeting and mapping of partners working on mental health and is planning door-to-door post-traumatic stress management operations.
- DSGA' sanitary officer, jointly with PAHO/WHO personnel, conducted a WASH assessment in 5 health facilities: HSA, Ste Agnès Beaumont; HCR of Anse D'Hainault, Pestel health center, HCR of Corail.
- DSGA with PAHO/WHO teams are carrying out visits to obstetric and neonatal wards in the department to assess needs.

#### **Sud Department:**

- The Health Directorate of the Sud Department (DSS) requested partners to not only focus on mobile clinics but to also provide additional support for coordination activities in the department.
- DSS is coordinating with partners working on mental health to avoid duplication of activities.

### **PAHO RESPONSE:**

- Deployment of PAHO's Regional Response Team specialists to provide support on coordination, epidemiological surveillance, health sector coordination, emergency projects, planning, logistics and EMT coordination, Early Warning, Alert and Response System EWARS, and structural damage assessment.
- Deployment of team of 11 technical experts to three affected departments to support response with coordination, data management, logistics, epidemiology, laboratory-motorcycle nurses (2), WASH, midwifery, psychologist, and health services.
- PAHO/WHO team is training the Department of Epidemiology, Laboratory, and Research (DELR) staff on the set-up of Early Warning, Alert and Response System (EWARS) at assembly points in the affected departments.
- PAHO/WHO is preparing hygiene kits and mosquito nets to be distributed to women in affected departments.
- PAHO/WHO field psychologist focal points were trained on mental health MSSP/PAHO 4w tool, to facilitate mapping of actors and collection of data to assess mental health needs in the most affected departments.
- PAHO/WHO, jointly with the Directorate for Health Promotion and Protection of the Environment (DPSPE/MSPP), are planning the following WASH activities:
  - Strengthen water testing capacity for drinking water in health facilities.
  - Increase water access and storage capacity in health facilities.
  - Develop an assessment tool and carry out WASH assessments in health facilities.
  - Define content of WASH-IPC/NFI kits jointly with UNICEF.
- **EMT:**
  - Deployment: As of September 10, 12 EMTs are currently deployed and 5 have ended their mission (UKEMT, CMAT, and Pompiers de l'urgence international in Les Cayes, ISAR Germany in Cayemite Island and Humedica in Camp Perrin) (See Annex 1 and 2 for details).
  - An expert trained EMT Coordinator from Team Rubicon joined CICOM on August 26 to support MSPP and finished his support on September 10.
  - PAHO and the CICOM-MSPP have been working with National Ambulance Center (CAN) and Haitian Red Cross to map all the ambulance locations to support the referral capacity.

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- Resource mobilization:
    - In addition to the 27 tons of medicines and supplies previously sent (which included medicine kit, trauma kits, hurricane kit, shelters kits), PAHO has deployed 9 tons of trauma kits, NCD kits, and trauma backpacks from WHO/Dubai Logistics Hub - UAE with the support of ECHO.
    - Deployment of additional surgical and trauma supplies with the support of PAHO's Country Office in Dominican Republic.
    - Deployment of multiple osteosynthesis supplies for orthopedic surgery by PAHO's Regional Office with the support PAHO's country office in Panama, which is expected to arrive on Sunday September 12.

#### **OTHER AGENCIES RESPONSE:**

- UN agencies and partners launched a US\$187.3 million Flash Appeal to reach 500,000 of the most vulnerable people affected by the earthquake.
- USAID announced US\$32 million in financing for humanitarian partners delivering life-saving multi-sectoral assistance in health, emergency shelter and food, WASH and protection services in quake-affected areas.
- Save the Children is providing health care in Grand'Anse communes (Carrefour Charles and Roseaux)
- Action contre la Faim (ACF) is working in 6 communes in Sud department providing psychosocial support to affected population.
- MSF:
  - MSF France has deployed teams to Sud department and will stay at least 3 months working on mental health and distribution of beds in health institutions.
  - MSF Belgium deployed mobile clinics to Roche-à-Bateau and Port-à-Piment and will support with the rehabilitation of health institutions.
- Humanity & Inclusion is working alongside with Tous Ensemble on mental health and physical rehabilitation. They have also offered support the Sud Department Health Directorate (DSS) and partners with maritime transport.
- Tous Ensemble is working in Brenda health center in Sud department providing prosthetics and free rehabilitation therapy.
- Norwegian Red Cross is supporting the mapping of damaged and destroyed health facilities in Nippes department.

## Annex 1 – Deployment of Emergency Medical Teams (As of September 10, 2021)

### EMERGENCY MEDICAL TEAMS DEPLOYED

EMT ORGANIZATION	COUNTRY	TYPE	CAPACITY	DATE OF ARRIVAL	ESTIMATED DATE OF DEPARTURE	LOCATION
SAMARITAN'S PURSE	USA	EMT T2	Outpatient Care for 100 pat/day 1 surgical room 36 inpatient beds	August 18 <sup>th</sup>	September 25 <sup>th</sup>	Les Cayes (close to American University of the Caribbean)
TEAM RUBICON	USA	EMT T1M	Outpatient Care for 50 pat/day	August 18 <sup>th</sup>	September 17 <sup>th</sup>	Baraderes
AMERICARES	HAITI/USA	(2) National EMT T1M	Outpatient Care for 50 pat/day for each team	August 30 <sup>th</sup>	October 20 <sup>th</sup>	Mobile teams covering: SJDS Arniquet SUD Beaumont Pestel
HEART TO HEART	HAITI/USA	(2) National EMT T1M	Outpatient Care for 50 pat/day	August 14 <sup>th</sup>	September 30 <sup>th</sup>	National team deployed in Baraderes
International Medical Corps	USA	EMT T1 Fixed Trauma	High capacity of orthopedic trauma care Comprehensive trauma care to support the surgical capacities of health facilities Outpatient Care for 100 pat/day	August 24 <sup>th</sup>	November 24 <sup>th</sup>	Aquin (Sud)
MGH	USA	Specialized Team	Technical team supporting to national medical team (Health Equity International HEI)	August 25 <sup>th</sup>	TBC	St. Boniface hospital in Fond-des-Blancs
MSF	FRA	Surgical Specialized Team	Surgical team supporting hospital	--	TBC	Centre Sante (Jeremy)
COPAC-MOH	MEX	EMT T1 Fixed	High capacity of orthopedic trauma care Comprehensive trauma care to support the surgical capacities of health facilities Outpatient Care for 100 pat/day	September 2 <sup>nd</sup>	TBC	Temporarily in Jean Beury (to be relocated to Pestel shortly)
IFRC	FIN/CAN RED CROSS	T2	Outpatient Care for 100 pat/day 1 surgical room 50 inpatients beds	September 2 <sup>nd</sup>	TBC	Les Cayes (installing - stadium outside the city)
NORWAY EMT (EU MECHANISM)	NOR	EMT T1 Fixed Trauma	High capacity of orthopedic trauma care Comprehensive trauma care to support the surgical capacities of health facilities Outpatient Care for 100 pat/day	September 9 <sup>th</sup>	TBC	L'Asile (installing)

### EMERGENCY MEDICAL TEAMS DEPARTING

EMT ORGANIZATION	COUNTRY	TYPE	CAPACITY	DATE OF ARRIVAL	DATE OF DEPARTURE	LOCATION
UKEMT	UK	EMT Assessment Team	Field Medical Assessment including rehab	August 20 <sup>th</sup>	August 30 <sup>th</sup>	Les Cayes (Multiple locations)
CMAT	CAN	EMT Assessment Team	Field Assessment Support of MEDEVAC coordination	August 15 <sup>th</sup>	August 27 <sup>th</sup>	Les Cayes (Multiple locations)

ISAR	GER	EMT T1F	Outpatient Care for 100 pat/day	August 18 <sup>th</sup>	August 30 <sup>th</sup>	Grande Cayemite Island
POMPIERS DE L'URGENCE INTERNATIONALE	FRA	Medevac Team	Prehospital Medical Transport	August 21 <sup>st</sup>	August 30 <sup>th</sup>	Dory (next to Maniche - Les Cayes)
HUMEDICA	HAI/GER	EMT T1M	Outpatient Care for 50 pat/day	August 23 <sup>rd</sup>	September 4 <sup>th</sup>	Camp-Perrin

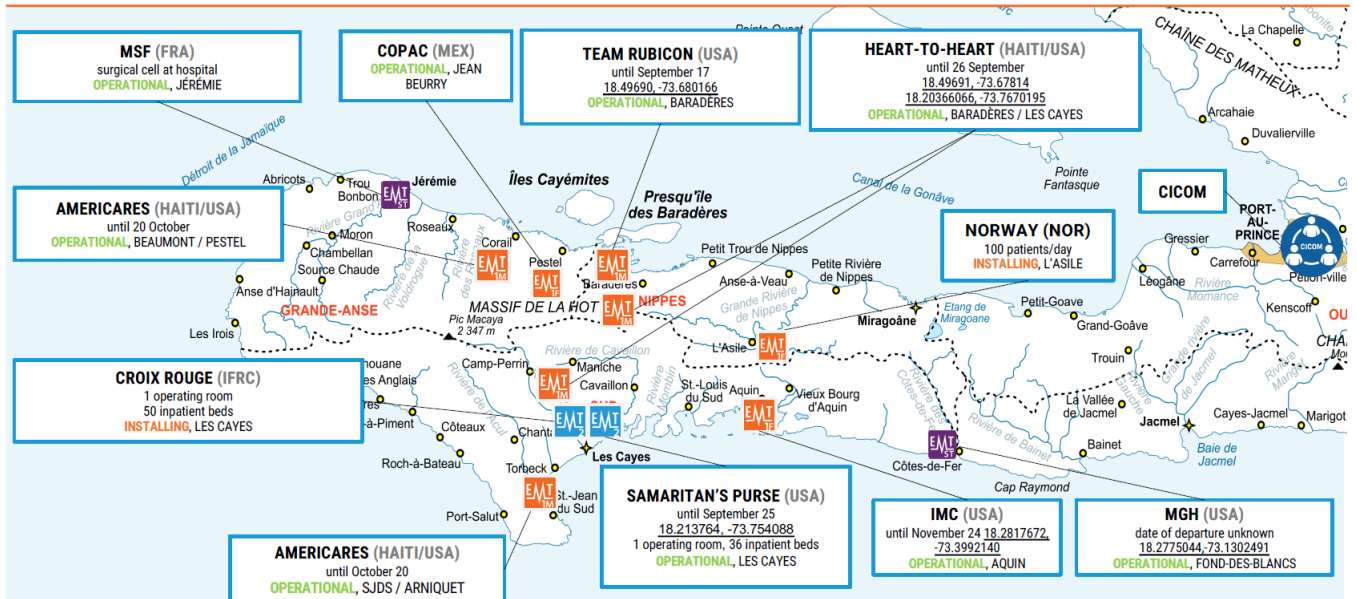
### EMERGENCY MEDICAL TEAMS MONITORING/STAND-BY

EMT ORGANIZATION	COUNTRY	TYPE	CAPACITY	STATUS	
EMT PISA	ITA	SURGICAL ESPEC. TEAM	1 surgical room 15 inpatients beds	STAND-BY	Pending to process the offer
JOHANNITER	GER	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer depending on the needs
PCPM EMT	POL	EMT T1F	Outpatient Care for 100 pat/day	MONIT	Monitoring the situation Pending to offer depending on the needs
SAMUR-PC	ESP	EMT T1F	Outpatient Care for 100 pat/day	MONIT	Monitoring the situation Pending to offer depending on the needs
NEW YORK MEDICS	USA	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer
SECOURISTES SANS FRONTIERES MEDICAL TEAM	FRA	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer
POMPIERS HUMANITAIRES FRANCAIS	FRA	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer
HUMANITY FIRST	CAN	EMT T1F	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer
ASB GERMANY	GER	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer
CADUS EMT	GER	EMT T1M	Outpatient Care for 50 pat/day	MONIT	Monitoring the situation Pending to offer

# Haiti Earthquake

# Emergency Medical Team Response

September 10, 2021



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 Type 1 Mobile
 Type 1 Fixed
 Type 2
 Specialized Care Team

# Haiti Earthquake

# Mobile Clinic Response

September 10, 2021

- MSF (FRA / BEL / HOL)**
  - Port-à-Piment, Rendel, Coteaux Cavaillon, Maniche, Camp Perrin
  - Croix des Martyres, Port Salut, Les Anglais, Chardonnières, Pestel
  - Miragoâne, Nippes (plusieurs villages)
- Health Equity Intl / St Boniface**
  - Maniche, Cavaillon, Camp Perrin
  - Anse-a-Veau, L'Asile
- Educare Haiti**
  - Villages north of St Louis du Sud
- Operation Blessing**
  - Coteaux, Roche a Bateaux
- Hope for Haiti**
  - Dispensaire Le Prête – Arniquet,
  - Dispensaire Sucrierie Henry,
  - Dispensaire St. Patrick –SLDS,
  - Ecole Mixt Durocher,
  - Dispensaire MIC Chantal,
  - Ile à Vache
- Médecins du Monde**
  - Cavaillon
- Project Medishare**
  - Cacisse, Fond Des Frères,
  - Annadère, Dasma
- Reconfort**
  - Torbeck, Camp Perrin
- Haiti Participative**
  - Rivière Salée, Bina, Grand Boukan
- Cascos Blancos**
  - Corail
- CapraCare**
  - Beaumont
- Haiti Health Foundation**
  - Jérémie, Moron, Bonbon, Roseau

