

Natural Hazards

Issue Brief

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Earthquake Haiti: Guidelines and Resources

The earthquake on August 14, 2021 was almost as strong as the severe quake in 2010, which killed about 300,000 people. The current number of victims is more than 2,200 people, and more than 12,000 people have been injured. More than 52,000 houses were destroyed and more than 77,000 damaged. Thousands of families were affected! The magnitude 7.2 earthquake struck southwest Haiti at 8:30 a.m. local time at a depth of about 10 km. The epicentre was measured about 12 km northeast of Saint-Louis-du-Sud, about 125 km west of the capital Port-au-Prince. The situation on the ground remains chaotic and the extent of the disaster cannot yet be predicted. In addition, heavy rainfall and the unstable security situation are complicating relief efforts. What is needed most now is food and drinking water, tents and primary health care. MEDBOX has already created the [Natural Hazard Toolbox](#) after the severe earthquake in 2010 and has collected many essential materials on health care, shelter & reconstruction after an earthquake in English, French and Kreyol there. In this issue brief, we provide a quick overview of the most important information.

Situation Update & Maps

Situation Updates

Haiti Earthquake Situation Reports

Pan American Health Organisation PAHO

Here you can find the latest situation reports

<https://www.medbox.org/document/haiti-earthquake-situation-reports>



Haiti: Earthquake - Emergency Appeal N°: MDRHT018

The International Federation of Red Cross and Red Crescent Societies IFRC

Early damage assessments indicate that at least 800,000 people could be directly exposed to minor to severe damages, including communication, access, security, loss of livelihoods, infrastructure, and health services could be impacted.

<https://www.medbox.org/document/haiti-earthquake-emergency-appeal-mdrht018>



Haiti: Earthquake Situation Report No. 1, As of 11:00 AM EST 22 August 2021

Office for the Coordination of Humanitarian Affairs OCHA

A 7.2-magnitude earthquake struck southwestern Haiti at 8:30am local time at a depth of around 10km. The epicentre was recorded around 12km northeast of SaintLouis-du-Sud, about 125km west of the capital Port-au-Prince.

☒ In the aftermath of the devastating 7.2-magnitude earthquake that hit Haiti on 14 August, authorities report more than 2,200 people dead, at least 344 missing, over 12,000 injured and upwards of 130,000 homes damaged or destroyed.

<https://www.medbox.org/document/haiti-earthquake-situation-report-no-1-as-of-1100-am-est-22-august-2021>

ACAPS Thematic report: Haiti: Earthquake department profiles (20 August 2021)

ACAPS

At least 2.2 million people were exposed to the earthquake, about 2,100 people have died, and more than 12,000 were injured as at 20 August. The death toll is expected to rise as the search for victims trapped under rubble continues. The Government has declared a month-long state of emergency for the most affected departments (LCI 19/08/2021; USAID 18/08/2021 a).

<https://www.medbox.org/document/acaps-thematic-report-haiti-earthquake-department-profiles-20-august-2021>

Maps

Haiti : Earthquake - Operational Presence Maps (As of August 20 2021)

Office for the Coordination of Humanitarian Affairs OCHA

<https://www.medbox.org/document/haiti-earthquake-operational-presence-maps-as-of-august-20-2021>

Haiti: Baseline total population (2020) and population density in Communes in earthquake affected areas (17 Aug 2021)

MapAction

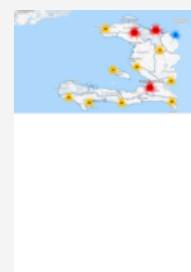
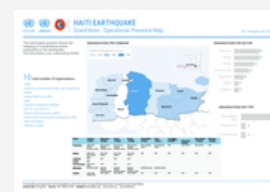
Baseline total population and population density in Communes in earthquake affected areas, together with earthquake shake map

<https://www.medbox.org/document/haiti-baseline-total-population-2020-and-population-density-in-communes-in-earthquake-affected-areas-17-aug-2021>

Carthographie sanitaire d'Haiti

Ministère de la Santé Publique et de la Population, Haiti

<https://www.medbox.org/document/carthographie-sanitaire-dhaiti>



Sphere Standards & Humanitarian Aid Guidelines

Sphere Standards

Sphere Handbook in Haitian Creole

Sphere

The Sphere Handbook "Humanitarian Charter and Minimum Standards in Disaster Response" is now available in Haitian Creole.

This translation has been coordinated by Oxfam Canada and funded by the following members of the Policy Action Group on Emergency Response (PAGER Canada): World Vision Canada, Plan Canada, Oxfam Quebec, Development and Peace, CARE Canada, Canadian Red Cross, Save the Children Canada, Christian Children's Fund of Canada, Mennonite Central Committee of Canada and Adventist Development and Relief Agency of Canada.

<https://www.medbox.org/document/sphere-handbook-in-haitian-creole>



The Sphere Handbook. Humanitarian Charter and Minimum Standards in Humanitarian Response. New Edition

Sphere

Humanitarian Charter and Minimum Standards in Humanitarian Response.

The 2018 Sphere Handbook builds on the latest developments and learning in the humanitarian sector. Among the improvements of the new edition, readers will find a stronger focus on the role of local authorities and communities as actors of their own recovery. Guidance on context analysis to apply the standards has also been strengthened. New standards have also been developed, informed by recent practice and learning, such as WASH and healthcare settings in disease outbreaks, security of tenure in shelter and settlement, and palliative care in health.

<https://www.medbox.org/document/the-sphere-handbook-humanitarian-charter-and-minimum-standards-in-humanitarian-response-new-edition>



Le manuel Sphère

Le Projet Sphère

<https://www.medbox.org/document/le-manuel-sphere>



Guidelines

Earthquakes. Guidelines on preparing, responding and recovering

The International Federation of Red Cross and Red Crescent Societies IFRC

This document was developed based on reviews of preparedness measures in areas at risk of earthquakes and reviews and evaluations of response and recovery operations following recent earthquakes. It is divided into three broad sections based on activities related to earthquakes: (i) preparing, (ii) responding and (iii) recovering. The guidelines are supported with evidence of good practices and examples from across the world.

<https://www.medbox.org/document/earthquakes-guidelines-on-preparing-responding-and-recovering>



The Interagency Emergency Health Kit 2017

World Health Organization

Interagency Guidelines; Medicines and medical devices for 10 000 people for approximately three month.

<https://www.medbox.org/document/the-interagency-emergency-health-kit-2017>



Kit sanitaire d'urgence inter-institutions 2017 : médicaments et dispositifs médicaux pour une population de 10 000 personnes pendant environ trois mois
Organisation Mondiale de la Santé OMS; et al.

<https://www.medbox.org/document/kit-sanitaire-durgence-inter-institutions-2017-medicaments-et-dispositifs-medicaux-pour-une-population-de-10-000-personnes-pendant-environ-trois-mois>



Management of Dead Bodies After Disasters: A Field Manual For First Responders. Second Edition

Cordner, S.; R. Coninx; J.-J. Kim; et al.

This revised edition incorporates experience gained in recent catastrophes, such as the 2013 Typhoon Haiyan in the Philippines, the 2014/15 Ebola epidemic in West Africa and the 2015 earthquake in Nepal. It also contains a number of annexes, which cover such topics as handling the bodies of people who died from an infectious disease, burial planning and using DNA analysis in mass fatality events

<https://www.medbox.org/document/management-of-dead-bodies-after-disasters-a-field-manual-for-first-responders-second-edition>



Gestion des dépouilles mortelles lors de catastrophes : manuel pratique à l'usage des premiers intervenants. 2ième éd., rév.

Cordner, S.; Coninx, R.; Kim, J.-J. et al. (Éd.)

La deuxième édition de ce manuel fournit des directives simples, concrètes et faciles à suivre pour la récupération et le stockage des corps des personnes décédées lors de catastrophes et l'enregistrement des informations les concernant, l'objectif étant d'aider les premiers intervenants à faire en sorte que les morts soient traités avec respect et que les informations indispensables pour leur identification ultérieure soient enregistrées comme il se doit. Cette version révisée et actualisée de l'ouvrage incorpore l'expérience acquise lors de catastrophes récentes, comme le typhon Haiyan qui a touché les Philippines en 2013, l'épidémie d'Ebola qui s'est déclarée en Afrique de l'Ouest en 2014 et 2015, et le tremblement de terre qui a frappé le Népal en 2015. Elle comporte également plusieurs annexes traitant de diverses questions, telles que la prise en charge des dépouilles des victimes d'une épidémie de maladie infectieuse, la planification des sites d'inhumation et l'utilisation des analyses ADN lors de catastrophes de grande ampleur.

<https://www.medbox.org/document/gestion-des-depouilles-mortelles-lors-de-catastrophes-manuel-pratique-a-lusage-des-premiers-intervenants-2ieme-ed-rev>



Psychosocial Support

IASC Guidelines for mental health and psychosocial support in emergency settings *Inter-Agency Standing Committee*

Specific action sheets offer useful guidance on mental health and psychosocial support and cover the following areas coordination assessment monitoring and evaluation protection and human rights standards human resources community mobilisation and support health services education dissemination of information food security and nutrition shelter and site planning and water and sanitation the guidelines include a matrix with guidance for emergency planning actions to be taken in the early stages of an emergency and comprehensive responses needed in the recovery and rehabilitation phases

<https://www.medbox.org/document/iasc-guidelines-for-mental-health-and-psychosocial-support-in-emergency-settings>



IASC Guidelines on Mental Health and Psychosocial Support in Emergency Settings. Checklist *Inter-Agency Standing Committee IASC*

Inter-Agency Standing Committee IASC

Armed conflicts and natural disasters cause significant psychological and social suffering to affected populations. The psychological and social impacts of emergencies may be acute in the short term, but they can also undermine the long-term mental health and psychosocial well-being of the affected population. These impacts may threaten peace, human rights and development. One of the priorities in emergencies is thus to protect and improve people's mental health and psychosocial well-being.

<https://www.medbox.org/document/iasc-guidelines-on-mental-health-and-psychosocial-support-in-emergency-settings-checklist>



Les premiers secours psychologiques : Guide pour les acteurs de terrain *OMS; WarTrauma; World Vision*

<https://www.medbox.org/document/les-premiers-secours-psychologiques-guide-pour-les-acteurs-de-terrain>



Psychological First Aid. Stronger Together. A guide to help you and your community *Pan American Health Organization (PAHO)*

Pan American Health Organization (PAHO)

2nd edition. The Pan American Health Organization and the Caribbean Development Bank developed this booklet as a tool to help you take care of yourself and your community during crisis situations. This is achieved through psychological first aid, also known as PFA, a humane, supportive and practical response to a fellow human being who is suffering and may need support. In this booklet, our "PFA helper" will guide you through the three basic principles of PFA: look, listen and link. This will help you to approach affected people, listen and understand their needs, and link them with practical support and information.

<https://www.medbox.org/document/psychological-first-aid-stronger-together-a-guide-to-help-you-and-your-community>



Shelter & Reconstruction

Shelter Safety Handbook

The International Federation of Red Cross and Red Crescent Societies IFRC

This handbook presents some basic information on safe construction practices. A range of hazards and construction types are presented here – fire, floods, strong winds and earthquakes – which typically occur in disaster-prone areas. The illustrations complement the technical recommendations and provide user-friendly support to illustrate the concepts.



<https://www.medbox.org/document/shelter-safety-handbook>

Haiti Earthquake REDLAC Shelter/CCCM/NFI coordination meeting

REDLAC Shelter

17 August 2021

<https://www.medbox.org/document/haiti-earthquake-redlac-sheltercccmnfi-coordination-meeting>



Minimum Standards in Shelter, Settlement and Non-Food Items

The Sphere Project

Links to the Humanitarian Charter and international law

<https://www.medbox.org/document/minimum-standards-in-shelter-settlement-and-non-food-items>

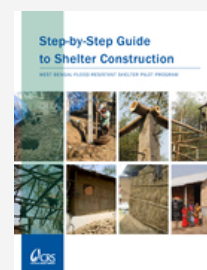


Step-By-Step Guide to Shelter Construction

Boyd, I.; K. Mishra, and C. Dummett

West Bengal Flood-resistant Shelter Pilot Program. The aim of this guide is to provide the most vulnerable families with housing capable of withstanding floods and strong winds.

<https://www.medbox.org/document/step-by-step-guide-to-shelter-construction>



Caring for Your Transitional Shelter

Catholic Relief Services

The CRS transitional shelter program aims to support families as they move from tents to temporary wooden shelters. These shelters provide a safer, more comfortable and more durable place to live while families rebuild their homes or find new places to rent. This booklet provides advice to families about how to maintain transitional shelters

<https://www.medbox.org/document/caring-for-your-transitional-shelter>



Transitional shelters – Eight designs

International Federation of Red Cross and Red Crescent Societies (IFRC)

The definition for transitional shelter as a product, as well as findings from the analysis and evaluation of eight implemented transitional shelter designs, using the following

construction materials were shown: Timber; Steel; Bamboo

In the end performance summaries regarding the hazard resistance of each shelter design were presented.

Findings showed that in many cases small improvements such as bracing can make significant differences.

<https://www.medbox.org/document/transitional-shelters-eight-designs>

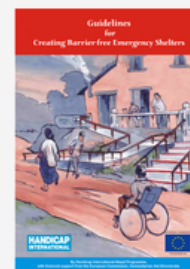


Guidelines for creating barrier-free emergency shelters

Curtin, M.

This manual provides guidance on the design and building of barrier-free emergency shelters that are used by all people within a community following a natural disaster, such as a flood or landslide. It provides information with examples of the essential aspects to consider when designing and building barrier-free emergency shelters, such as ramps, toilets, cooking areas, waterpumps and shelters.

<https://www.medbox.org/document/guidelines-for-creating-barrier-free-emergency-shelters>



Construction manual for earthquake-resistant houses built of earth

Minke, G.

<https://www.medbox.org/document/construction-manual-for-earthquake-resistant-houses-built-of-earth>



Planning Earthquake Resistant Buildings (English) [Poster]

UN-Habitat [Myanmar]

<https://www.medbox.org/document/planning-earthquake-resistant-buildings-english-poster>



Manuals and Information Material in Kreyole

Kote Fanm Pa Jwenn Doktè

A. August Burns, Ronnie Lovich, Jane Maxwell, Katharine Shapiro

Kreyol translation of Where Women have No Doctor. The guide addresses health issues across the lifespan and considers issues specific to girls, older women, women with disabilities, and refugees.

The text includes clear, reliable, useful, and updated information, and



encourages collaboration among women and participation at the community level. Aware of the limited schooling and reading capacity of many in this audience, the authors succeed in providing high-quality, updated information in an easily accessible format

<https://www.medbox.org/document/kote-fanm-pa-jwenn-dokte>

NOUVO Kote ki pa gen doktè (Where there is no doctor in Creole)
Hesperian Foundation

Chapit avanse nan nouvo edisyon an. Creole edition of "Where there is no doctor" . Gen anpil, anpil moun ki sèvi ak liv sa a tankou: ajan sante, pwofesè, e tout lòt moun nan lemond antye ki travay nan monte pwogram pou ede tout moun jwenn pi bon sante. Nou mete liv la ajou nan ane 2018. Ladann, nou ajoute enfomasyon ki pi kouran sou medikaman, maladi moustik bay, pwoblèm vizyon ak je, planin, e anpil lòt enfomasyon toujou.

<https://www.medbox.org/document/nouvo-kote-ki-pa-gen-dokte-where-there-is-no-doctor-in-creole>



Ki jan pou nou anpeche KOLERA vin sou nou
Hesperian Foundation

Fact sheet Cholera in Creole

<https://www.medbox.org/document/ki-jan-pou-nou-anpeche-kolera-vin-sou-nou>



Poster: Pwoteje tet nou pou n pa trape kolera
Organización Panamericana de la Salud

Se protéger pour ne pas attraper le choléra; Protect yourself from catching cholera

<https://www.medbox.org/document/poster-pwoteje-tet-nou-pou-n-pa-trape-kolera>



Prezantasyon Dlo, Liyén Ak Asenisman. Poster set with Trainer manual
CAWST Centre for Affordable Water and Sanitation Technology

This poster set includes water, sanitation and hygiene (WASH) posters to teach about good WASH practices, including household water treatment technologies. The poster set also includes text for each poster with key messages and questions to check for understanding with the group or individual.

<https://www.medbox.org/document/prezantasyon-dlo-liyen-ak-asenisman-poster-set-with-trainer-manual>



Diarrhoea
Ministry of Health, Haiti

Poster in Kreyol "Dyare"

<https://www.medbox.org/document/diarrhoea>

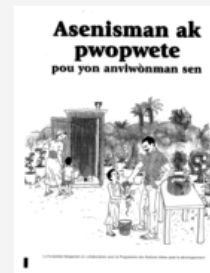


Asenisman ak pwopwete pou yon anviwonman sen *Hesperian and SOIL*

Chapit sa soti nan “Yon Gid Kominitè pou Sante Anviwonmantal”, ki se yon ti liv ki gen 48 paj ki bay enfòmasyon fondamantal sou konstriksyon twalèt ak aktivite edikatif pou ede kominite a konprann ak evite pwoblèm sante ki gen rapò ak asenisman.

Sanitation and Cleanliness for a Healthy Environment, translated by SOIL

<https://www.medbox.org/document/asenisman-ak-pwopwete-pou-yon-anviwonman-sen>



Cholera Prevention Video: Prevansyon de kolera an kreyòl ayisyen (kirye sòti D'Ayiti)

Scientific Animation without Borders SAWBO

Cholera is an intestinal infection caused by bacteria known as *Vibrio cholerae*. The main symptoms of this disease are diarrhea and vomiting. Transmission of cholera primarily occurs by consumption of contaminated food or drinking water. In the video, which can be used on smart phones, we describe several techniques that can be used to help prevent cholera, including methods of treating water, washing of hands, and seeking medical advice if/when one has the symptoms of cholera

<https://www.medbox.org/document/cholera-prevention-video-prevansyon-de-kolera-an-kreyol-ayisyen-kirye-soti-dayiti>



Haiti: Prevansyon ak Kontwòl Kolera Rezime Gid Fòmasyon *Centers for Disease Control and Prevention (CDC)*

<https://www.medbox.org/document/haiti-prevansyon-ak-kontwol-kolera-rezime-gid-fomasyon>



Glossary of Health Terms

Leksik “Sante pou tout moun” *Hesperian*

Hesperian created a 4-language Glossary of Health Terms for health workers cooperating across language barriers. These resources will be of use during this crisis by both Haitian health workers and any foreign health workers working in solidarity with them.

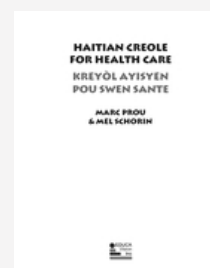
<https://www.medbox.org/document/leksik-sante-pou-tout-moun>



Haitian Creole for Health Care. Kreyòl Ayisyen pou Swen Sante *Marc Prou & Mel Schorin*

This is an excellent book to *start* learning Kreyol

<https://www.medbox.org/document/haitian-creole-for-health-care-kreyol-ayisyen-pou-swen-sante>



WASH Water, Sanitation and Hygiene

Household Water Treatment Chlorination- The Safe Water System
Centers for Disease Control and Prevention CDC

<https://www.medbox.org/document/household-water-treatment-chlorination-the-safe-water-system>



Household Water Treatment. Solar Disinfection
Centers for Disease Control and Prevention CDC

<https://www.medbox.org/document/household-water-treatment-solar-disinfection>



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