

Monday, December 6, 2010
6:00 PM, EST

EOC SITUATION REPORT #16 Cholera Outbreak in Haiti

Summary

- The *Ministère de la Santé Publique et de la Population* (MSPP) reported today that the cumulative number of hospital visits and deaths due to cholera, as of December 3, is 91,770 and 2,071 respectively. 43,243 people have been hospitalized due to cholera. The in-hospital case fatality rate for the whole country is 3.3%.
- For Port-au-Prince, the cumulative number of hospital visits and deaths due to cholera is 12,566 and 185 respectively. 4,452 have been hospitalized. The in-hospital case fatality rate for Port-au-Prince is 4.0%.
- In the last days, there were pacific demonstrations in Port-au-Prince, which did not pose significant obstacles to the response to the outbreak. But the security situation remains uncertain. The results of the presidential and parliamentary election will be announced Wednesday, December 8.



Representatives of the departments discuss ways to speed up the creation of CTC and CTU during a meeting at the National Palace.

Estimated Cholera Cases and Needs

- The number of cholera cases continues to grow, but a smaller proportion of people who become ill are now dying from the disease, according to data released this week. In the

The Situation Report is produced by the PAHO/WHO Emergency Operations Center to inform about recent developments on the cholera outbreak in Haiti. New editions will be issued as the situation requires, in a complementary way to the Haiti Health Cluster Bulletin. To subscribe or unsubscribe to these reports please [visit this page](#). For previous editions of these reports, click [here](#).

Contact PAHO/WHO Emergency Operations Center at +1 (202) 974-3399 and eoc@paho.org

first weeks of the cholera epidemic, which began in late October, the proportion of hospitalized patients dying of cholera in some departments was as high as 9 percent. In the latest reports from Haiti's Ministry of Health, that figure is down to 3.5 percent.

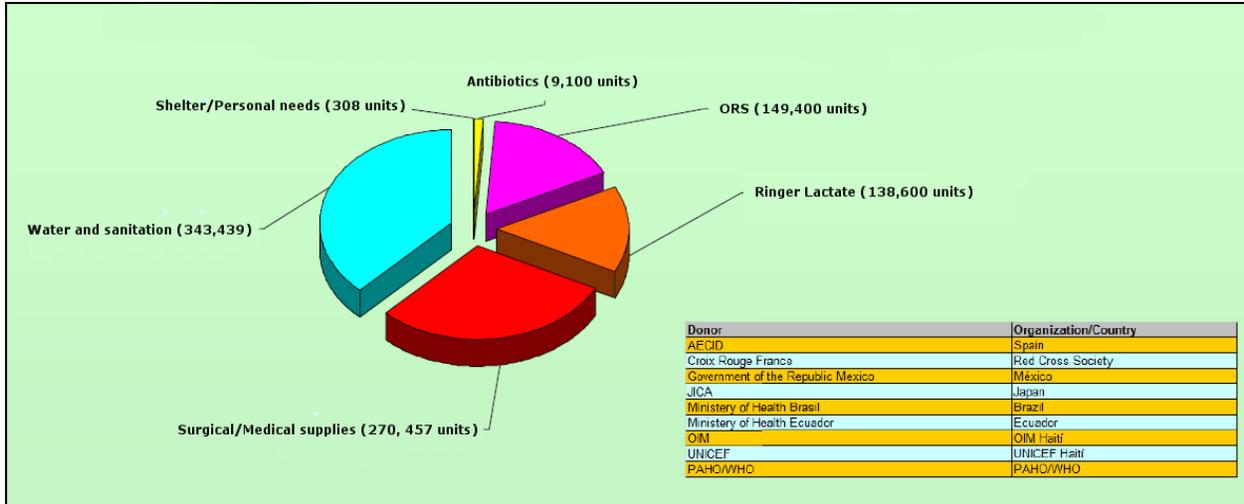
- PAHO/WHO's Deputy Director, Dr. Andrus, and other public health experts believe that numbers significantly underestimate the true toll of the epidemic because of gaps in case reporting. Epidemiological modeling carried out by PAHO/WHO and the U.S. Center for Disease Control and Prevention (CDC) for planning purposes projects an estimated 400,000 cases over the first 12 months, with as many as half those cases occurring in the first three months of the epidemic.
- Haiti's Ministry of Health is developing plans, with support from PAHO/WHO and other U.N. agencies, to increase the number of Cholera Treatment Centers (CTC), Cholera Treatment Units (CTU) and ORP (Oral Rehydration Posts). The final number of planned centers, units and posts will be announced soon.
- Haitian authorities are also expanding efforts to promote prevention and treatment at the family and community levels through public education and by providing chlorination tablets and oral rehydration salts.

Health Partners Response

- According to Health Cluster Members in Haiti, as of December 3, 54 CTCs and 102 CTUs are now operational across the country with further scaling up required. CTC are larger units, with an average of 50 beds, and some reaching hundreds of beds. CTU are smaller units, usually attached to existing health facilities. It is estimated that the bed capacity of these centers is 4,681 and 1,222 respectively.
- In the light of an apparent reduction of number of severe cases in certain Northern Departments, there is now consideration to moving resources from existing CTC to CTC installed in areas of greater demand. If this trend is confirmed, important resources can be reallocated to other areas, particularly human resources.
- On December 3, The United Nations Secretary General, Mr. Ban Ki-moon, made an urgent appeal for funds to respond to the cholera outbreak in Haiti. During a General Assembly debate on Haiti, he stressed that the UN appeal for 174 million dollars made last month has only been 20 percent funded and urged the donors to contribute more.
- For more information on the response of the health partners, please check the Health Cluster Bulletin which is published twice a week and available [here](#).

Delivery of Cholera Supplies

- The following chart summarizes the donations performed by Governments and other Institutions to the Haitian Ministry of Health, through PROMESS and partners:



Information processed by SUMA (last update: November 29, 2010)

- NGOs are invited to use SUMA to monitor their inventories and consolidate their supplies information. Implementing the SUMA system in an emergency facilitates the preparation of reports. A special list of key items which are important for dealing with the cholera outbreak has been drawn up and staff can normally be trained in a day. The software is provided free-of-charge to all organizations wishing to use it. For more information please contact Mr. Jeronimo Venegas, SUMA team leader in Haiti (venegasj@paho.org, + (509) 3419-9509) or Mr. Antonio Zugaldia, PAHO/WHO Emergency Operations Center (zugaldia@paho.org, +1 (202) 974-3399).

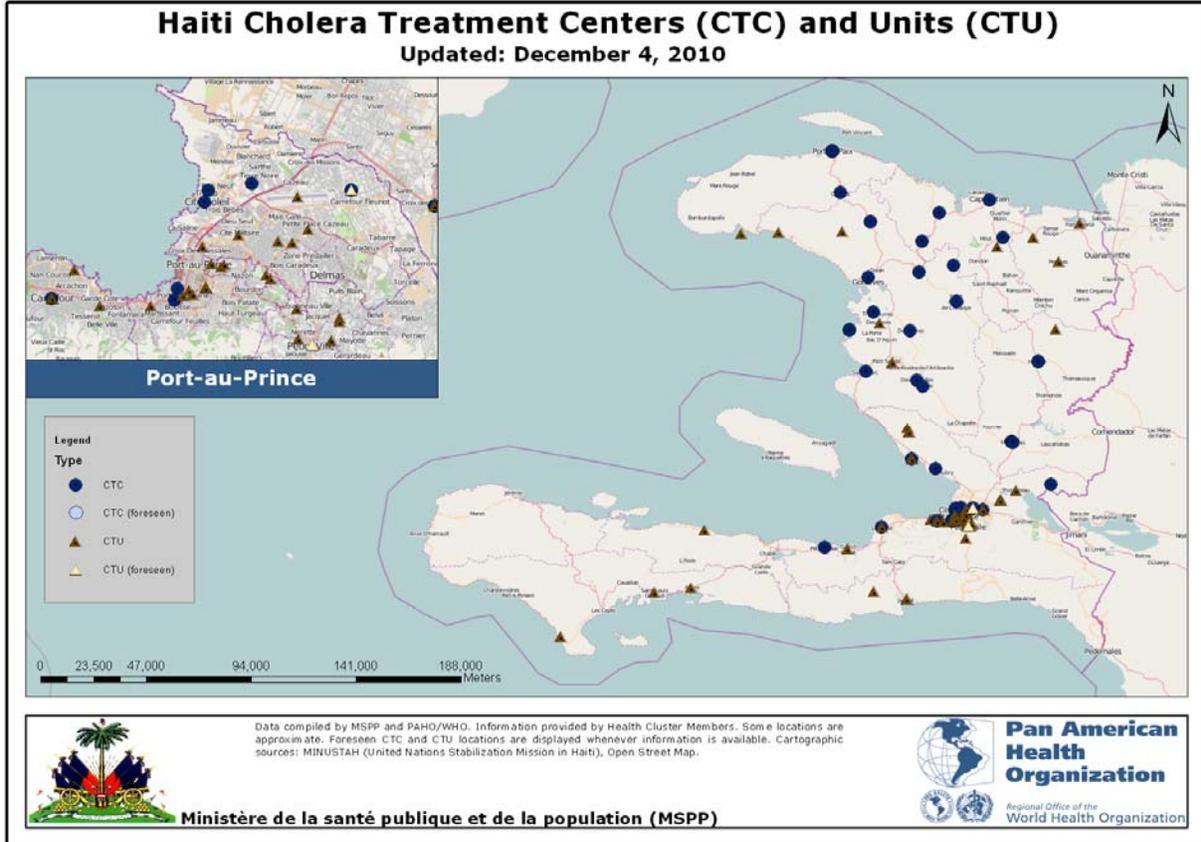
Cholera Situation Map

- PAHO/WHO produces an Interactive Atlas with epidemiological information. Please follow [this link](#) to launch the map. The map reflects the situation of the epidemiological weeks. To access the daily total number of cases and deaths, please click on *Situation Updates*.

Cholera Key Facts

- Cholera is an acute diarrheal infection caused by exposition, ingestion of food or water contaminated with the bacterium *Vibrio cholerae 0:1*. Provision of safe water and sanitation is critical in reducing the impact of cholera and other waterborne diseases.
- Up to 80% of cases can be successfully treated with oral rehydration salts.
- There are an estimated 3-5 million cholera cases and 100,000-120,000 deaths due to cholera every year around the world.
- **More information:** cholera fact sheet – [English](#), [French](#), and [Spanish](#).

Cholera Treatment Centers (CTC) and Units (CTU) in Haiti



Guidelines and Recommendations

<i>Case Management and Vaccination</i>	
Infection control precautions in cholera outbreaks	English Spanish
Recommendations for cholera clinical management	English Spanish
PAHO/WHO position on cholera vaccination in Haiti	English French Spanish
<i>Laboratory</i>	
Manual of procedures for isolation, identification and characterization of <i>Vibrio cholerae</i>	Spanish
Procedures for identification of <i>Vibrio cholerae</i> in the microbiology laboratory	Spanish
Search procedures for <i>Vibrio cholerae</i> in environmental samples	Spanish
Diagnóstico de <i>Vibrio cholerae</i> y <i>Salmonella</i>	Spanish

<i>Outbreak Control in Complex Emergencies</i>	
Be a better donor: practical recommendations for humanitarian aid	English Spanish
Management of dead bodies after disasters	English French Spanish
Cholera in Disasters Situations	English Spanish
Acute diarrhoeal diseases in complex emergencies: critical steps	English French Spanish
Cholera outbreak: assessing the outbreak response and improving preparedness	English French Portuguese
First steps for managing an outbreak of acute diarrhoea	English French Spanish
<i>Prevention</i>	
Poster 1: Protect yourself not to get cholera	Creole
Poster 2: What to do when someone has diarrhea and vomiting	Creole
Preventions messages to protect us against cholera	Creole
5 key ways project: adapting the WHO manual on food safety for use in Guatemalan elementary schools	English
Five keys to safer food	English Spanish
Prevention of foodborne disease: the five keys to safer food	English French Spanish

Other Resources

- [Ministère de la santé publique et de la population](#) (MSPP).
- [PAHO/WHO disasters](#), [Haiti emergency blog](#), and [PAHO/WHO](#)'s main website.
- [Global Task Force on Cholera Control](#) and [WHO](#)'s main website.
- OCHA's [Crisis Information Centre](#) on Haiti.
- [ReliefWeb Haiti Cholera Outbreak](#) page.
- [Haiti Resource Finder](#) (Google) and [Health Facilities Master List](#) (Travax).
- [Mission des Nations Unies pour la Stabilisation en Haiti](#) (MINUSTAH).
- [SUMA Logistics Support System](#).
- [CDC Haiti cholera outbreak resource center](#).
- For constant updates on the cholera outbreak in Haiti and other international public health information please check the [PAHO/WHO EOC](#) channel in Twitter.