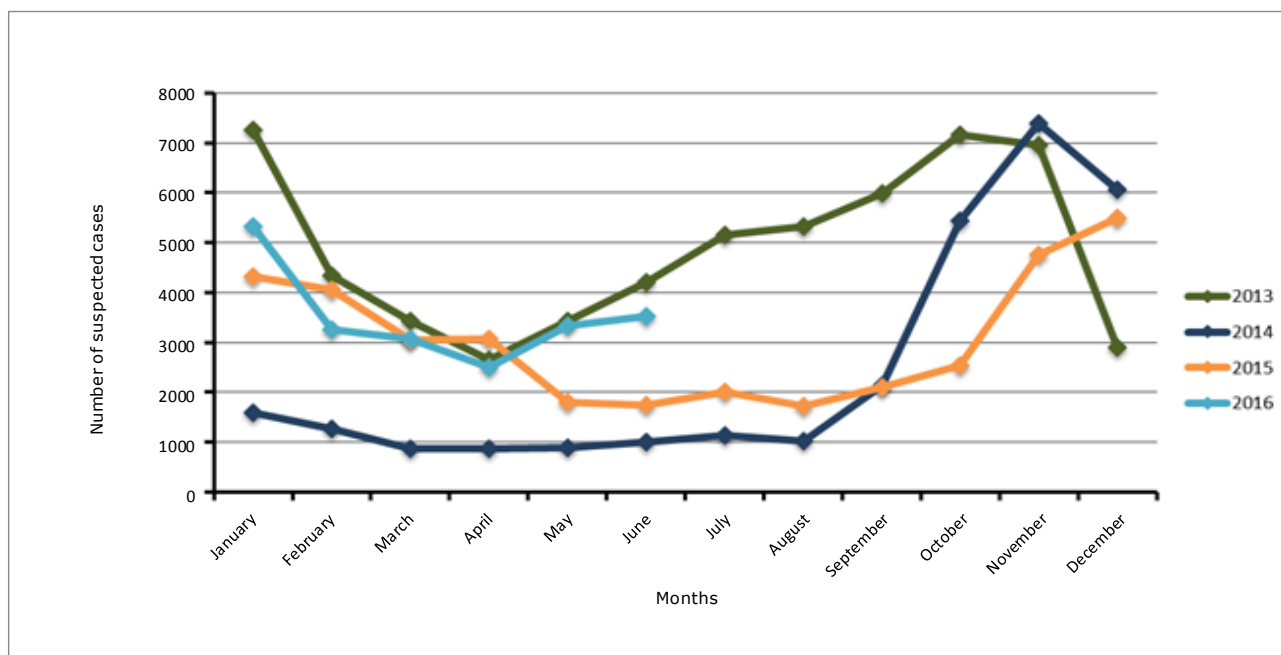


Cholera in the Americas - Situation summary

- Since epidemiological week (EW) 1 of 2016 until EW 27, a total of 22,556 cholera cases have been recorded from three countries in the Americas: Ecuador (1), Haiti (21,661), and the Dominican Republic (894). Haiti alone registered 96% of the total cases in 2016 in the Region of the Americas. Table 1 shows the number of reported cholera cases in the Americas during 2015 and table 2 shows the cholera cases reported in selected countries from 2010 to 2016.
- On 25 May 2016, the **Ecuador** IHR National Focal Point reported the confirmation of a cholera case from the city of Machala in the province of El Oro. The case was confirmed by the National Institute of Public Health and Research (INSPI) as *Vibrio cholerae* serogroup O1, serotype Ogawa, biotype El Tor nontoxigenic. The strain is susceptible to ampicillin, ceftriaxone, ciprofloxacin, chloramphenicol, tetracycline, sulfamethoxazole - trimethoprim.
- In the **Dominican Republic** in 2016 as of EW 25 there were 894 suspected cholera cases reported and 17 related deaths. These reported cases and deaths exceed the reported cases and deaths in 2014 (603 cases including 11 deaths) and in 2015 (546 cases including 15 deaths) (**Table 1 and 2**).
- In **Haiti** since EW 1 to EW 27 of 2016, a total of 21,661 suspected cholera cases and 200 related deaths have been reported. The number of cases reported in the first four weeks of 2016 exceeded the total cases reported in the same period of both 2014 and 2015 (**Figure 1**). Additionally, between EW 19 and EW 27 of 2016, a similar transmission pattern observed in 2013 is seen with number of cases and deaths exceeding those reported during 2014 and 2015 (**Figure 1 and Table 2**).

Figure 1. New cholera cases by epidemiological week (EW). Haiti, EW 1 of 2013 to 2016 (June)



Source: Ministère de la Santé Publique et de la Population (MSPP). Direction d'Epidémiologie de Laboratoire et de Recherches (DELRL). Rapport du Réseau National de Surveillance. Haiti

Table 1. Cholera cases reported in the Americas in 2015.

Country	Number of cases reported (including imported)	Imported cases	Deaths	Case fatality rate (%)
Canada *	3	3	0	0
Cuba	65	0	0	0
Dominican Republic	546	0	15	2.75
Haiti	36,644	0	321	0.88
Mexico	1	0	0	0
United States of America **	4	3	0	0

Source: Data provided to PAHO/WHO

* Preliminary data

** One case has no history of travel and is related to the consumption of imported seafood.

Table 2. Cholera cases by select countries in the Americas, 2010 – 2016.

Year	Cuba		Dominican Republic		Haiti	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
2010 [†]	0	0	191	0	179,379	3,990
2011 [†]	0	0	20,851	336	340,311	2,869
2012 [†]	417	3	7,919	68	112,076	894
2013 [†]	181	0	1,954	42	58,809	593
2014 [†]	76	0	603	11	27,753	296
2015 [*]	65	0	546	15	36,644	321

2016 | 0 0 894** 17** 21,661*** 200***

† Data obtained from the WHO Weekly Epidemiological Bulletins, available at: <http://www.who.int/wer/en/>.

* Data provided to PAHO/WHO by the respective national authorities.

** Data from 2016 until EW 25.

*** Data from 2016 until EW 27.

Advice to national authorities

The Pan American Health Organization / World Health Organization (PAHO / WHO) recommends Member States maintain active surveillance systems for early detection of suspected cases and conduct the appropriate diagnostic laboratory confirmation of cases in order to provide adequate treatment and prevent the spread of cholera. PAHO/WHO encourages Member States continue their efforts to ensure and maintain adequate sanitation and access to safe drinking water, in order to reduce the impact of cholera and other waterborne diseases.

References

1. Haiti, Ministère de la Santé Public et de la Population (MSPP). Available at: http://mspp.gouv.ht/site/downloads/Rapport%20Web%2012.11.2015_Avec_Courbes_d_epartementales.pdf
2. Dominican Republic, Epidemiological Bulletins. 2016. Available at: http://digepisalud.gob.do/documentos/?drawer=Boletines%20epidemiol%C3%B3gicos*Boletines%20semanales*2016

Related links:

- WHO cholera fact sheet: <http://www.who.int/mediacentre/factsheets/fs107/en/index.html>
- PAHO cholera health topic: www.paho.org/cholera
- Information on WHO's statement relating to international travel and trade to and from countries experiencing outbreaks of cholera: <http://www.who.int/cholera/technical/prevention/cholera-travel-and-trade-advice-231110.pdf>
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- WHO. Cholera epidemic outbreaks: evaluating the response and improving preparation. Available in Spanish at: http://www.who.int/topics/cholera/publications/cholera_outbreak/es/
- Recommendations for the clinical management of cholera. Washington D.C., November 2010: http://www.paho.org/hq/index.php?option=com_docman&task=doc_view&Itemid=0&gid=10813&lang=fr