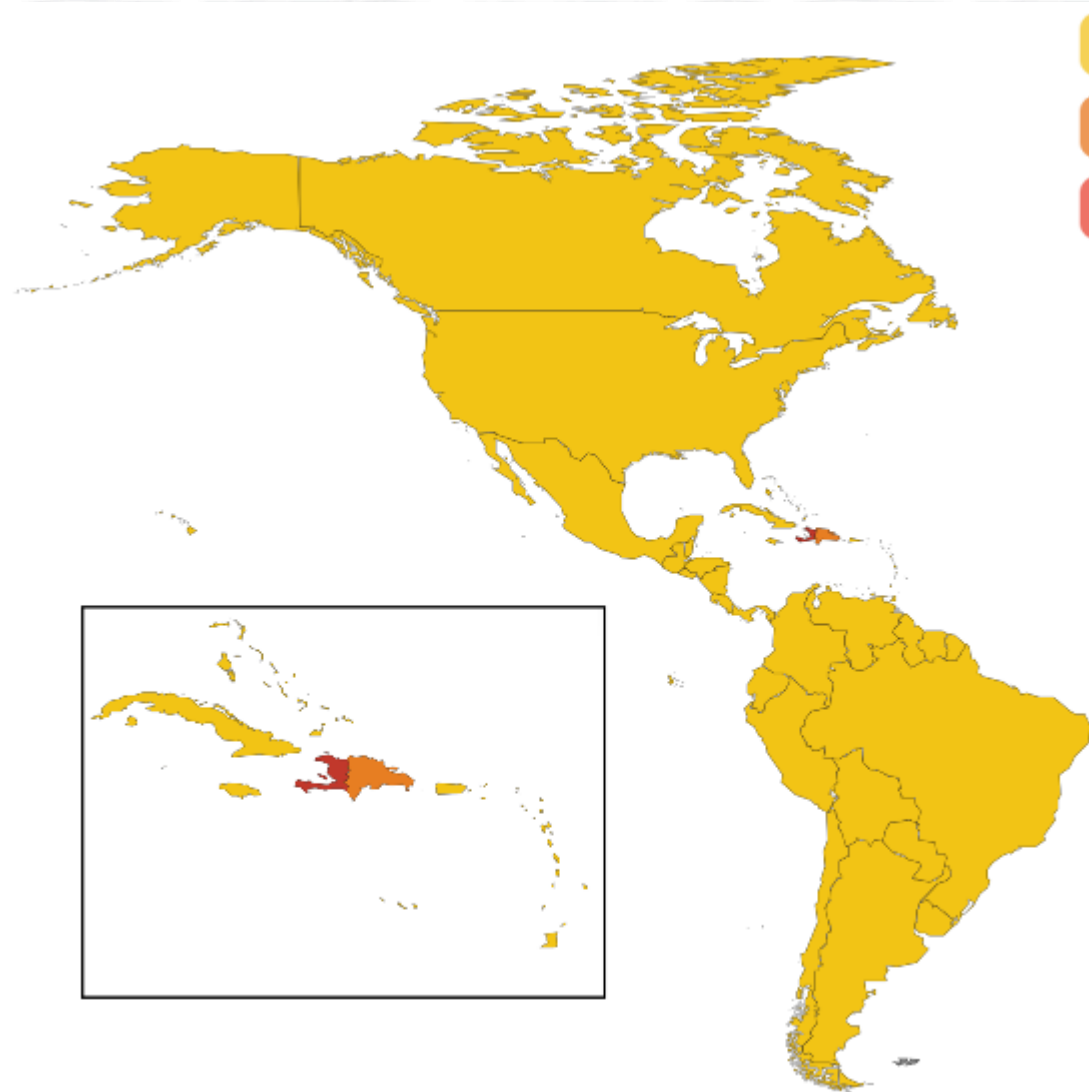


Americas: update from the region

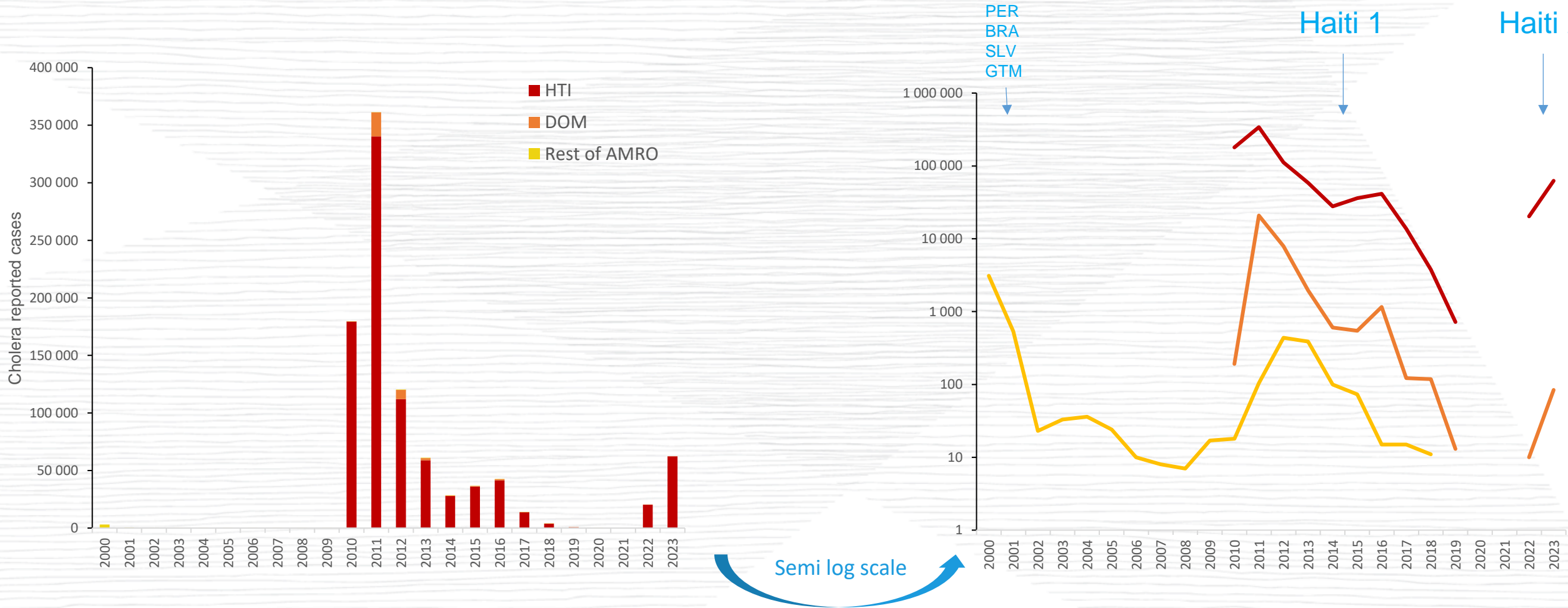
Marc Rondy, Emergency Department, PAHO



- At risk of importation
- Repeated importations
- Epidemic

Three scenarios in the Americas

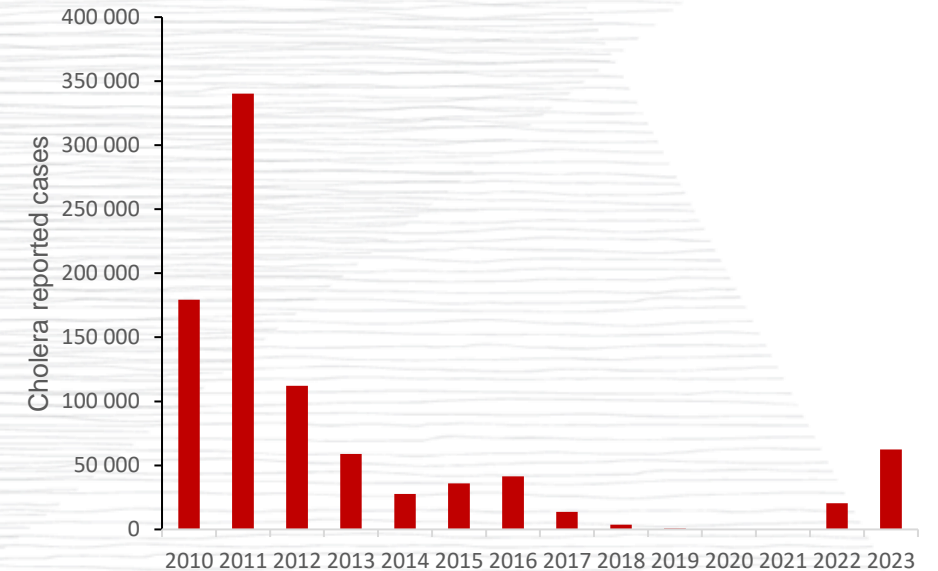
Yearly cases of reported cases of cholera per country



Haiti

2010-2023

- Oct 2010: cholera outbreak in Haiti
 - 2010-2019: >820,000 cases and approx. 10,000 deaths
 - Last reported case: February 2019
 - Feb 2022: Haiti declared **cholera-free** after 3 years with no confirmed cases.
- Oct 2022: 2 cases of *Vibrio cholerae* O1
 - 2022-April 2024: 82,840 cases and 1270 deaths






Suspected cases of cholera per year, 2010-23



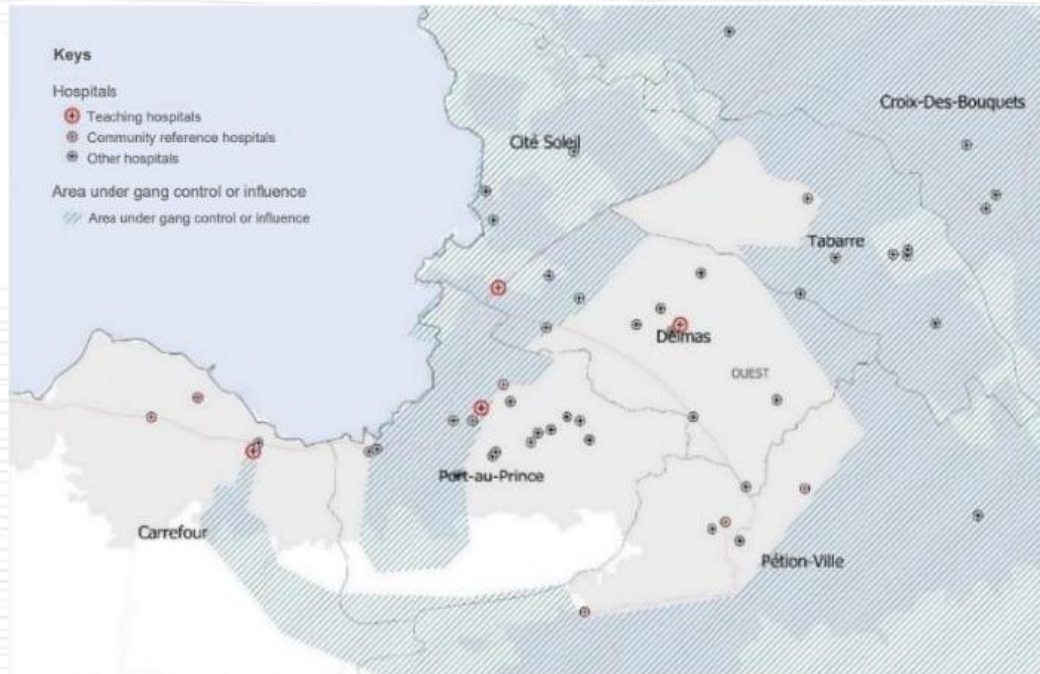
Haiti - *Current situation*

- Escalating humanitarian crisis:
 - Expansion of gang-controlled territories
 - wide-spread insecurity
 - state institutions and basic services including the health system nearly collapsed
 - Port-au-prince most affected (siege situation)
- Brain drain:
 - Medical personnel lacking
- WASH:
 - 67% pop with access to basic(quality?) water service (2021)
 - 19% from public network
 - 37% pop with access to basic sanitation serv
 - 23% pop with access to basic hygiene serv
 - No effective treatment of wastewater

Haiti 23 April 2024		
Type of emergency	Main health threats	Internal PAHO/WHO Grading under Emergency Response Framework (ERF)
 Conflict	<ul style="list-style-type: none"> Violence Access to Healthcare facilities Access to medicines, vaccines, and medical supplies Cholera and AWD Vaccination coverage WASH HIV and TB Food insecurity and malnutrition NCDs and cancer Diphtheria COVID-19 Influenza Rabies 	Haiti Humanitarian Crisis – Grade 3
 Epidemics (Cholera, COVID-19, and others/)		
 Water, Sanitation and Hygiene (WASH)		Haiti Cholera Outbreak – Grade 3

Haiti - *Current situation*

Hospitals and areas under gang control, Port-au-prince

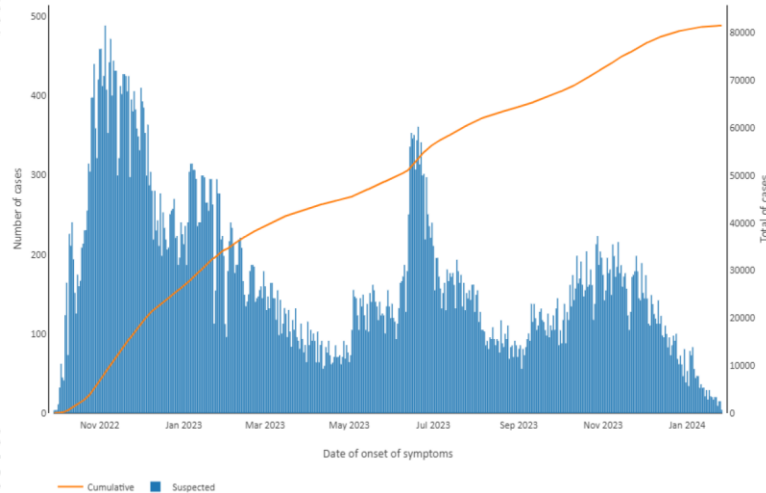


Distribution of affected hospitals in Port-au-Prince, Haiti, as of 1 April 2024

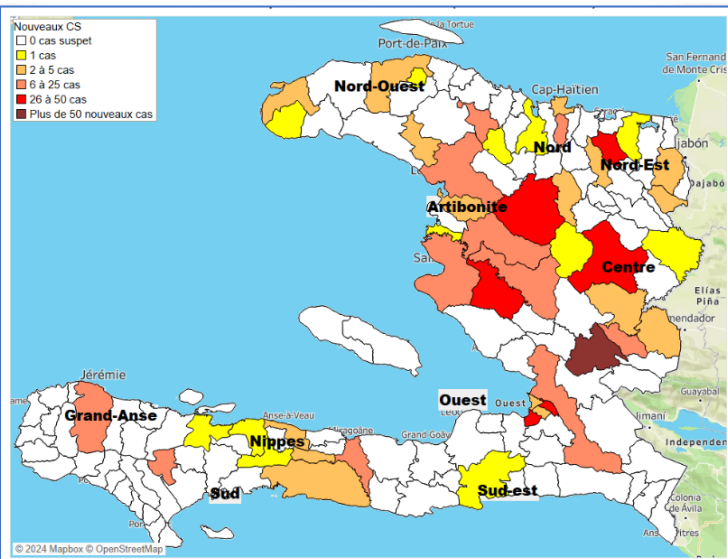


<https://www.paho.org/en/documents/public-health-situation-analysis-haiti-23-april-2024>

Haiti – *Current situation*



Suspected cases of cholera per day, Sept 2022-Jan 2024



Suspected cases of cholera per commune - 17/03-13/04/2024

Epidemiological situation

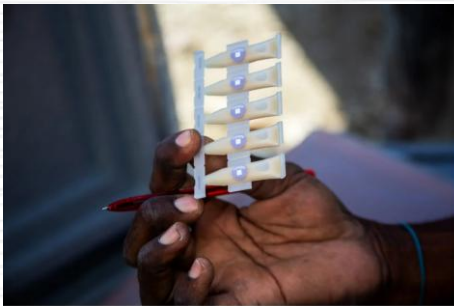
- Significant decrease in 2024
- Possible explanations:
 - Real decrease??
 - **Underreporting:**
 - Surveillance affected
 - Deterioration in the health system
 - Decrease in the number of functioning hospitals,
 - Shortage of health personnel
 - Interruptions to the supply chain
 - Impact on diagnosis capacity
 - Impact on access to rehydration

Haiti

Response

Vaccination

- Dec 2022: 1.2M OCV doses in:
 - Centre and Ouest Dpt
 - 3 prisons
- Mar 2023: 1M OCV doses in:
 - Ouest, Artibonite, Centre, and Nord-Ouest Dpt
 - 9 prisons
 - 10,000 IDPs in Ouest dpt camps



<https://www.paho.org/en/documents/public-health-situation-analysis-haiti-23-april-2024>

Coordination and leadership

- Health and WASH cluster
- Management and distribution of departmental supplies for the cholera response.

Epidemiological and laboratory surveillance

- Case investigations (support at dpt level)
- IPD's camps

Lab capacity:

- Rapid detection and diagnosis capacity at regional level
- Labo-Moto to support collection and transportation of samples

Case management

- Training, health center evaluation, formative monitoring

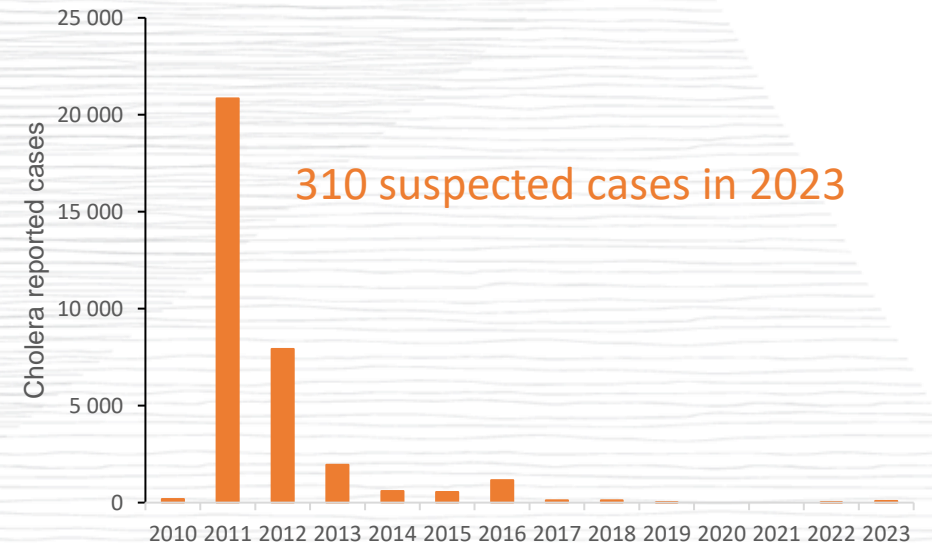
WASH

- Training and material

Risk communications and community engagement

Dominican Republic

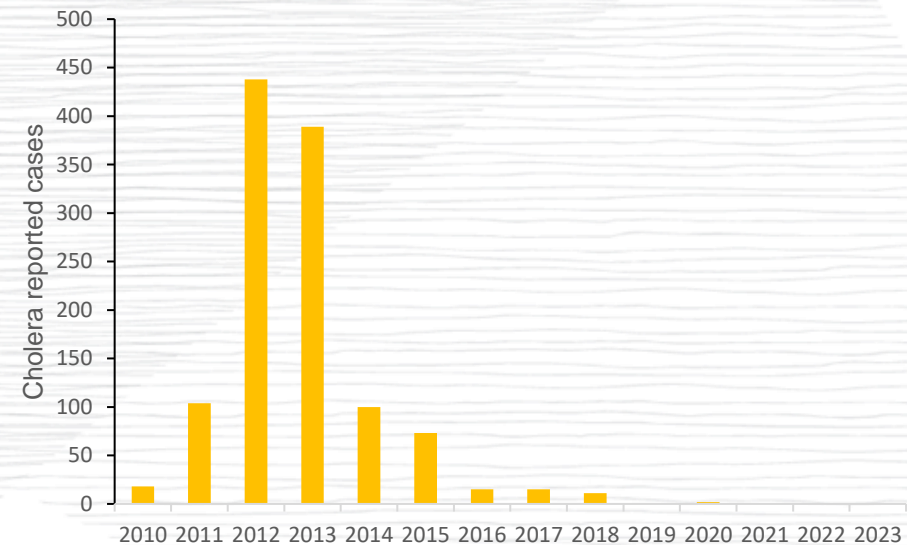
- WASH: limited access to water and sanitation services
- Continuous threat of reintroduction
 - Limited follow-up in epidemiological surveillance in the border provinces
 - Monitoring of entry points in the provinces bordering Haiti
 - Prevention activities through:
 - risk communication
 - community engagement.
- Surveillance protocol updated in 2023



Suspected cases of cholera per year, 2010-23

The rest of AMRO

- Risk of importation:
 - From anywhere
- Laboratory capacity
 - Training in *V. cholerae* diagnosis in Central Am and the Caribbean
 - Delivery of essential supplies
 - Regional genomic surveillance



Suspected cases of cholera per year, 2010-23

Autochthonous cases in Brasil

- 2 cases
 - Salvador, Bahia
 - Same HH
 - Symptoms onset – 19/03
 - *Vibrio cholerae* O1 Ogawa (toxigenic)
 - Access to public water network
 - Active case finding still ongoing
- Asymptomatic case works in fishing farm
- Negative results from:
 - 5 contacts
 - Environment
- Sequencing data pending





At risk of importation

Repeated importations

Epidemic

Reemergence in cholera-free countries may remain a threat

Continuous border-surveillance activities needed in countries neighboring epidemic spot

Every country should be prepared for imported cases

Americas: update from the region

Marc Rondy, Emergency Department, PAHO

PAHO



Pan American
Health
Organization



World Health
Organization
REGIONAL OFFICE FOR THE Americas