Reducing Cholera in La Gonâve

Problem
- 703,510 cases of cholera have been reported
- Only 10% of the population on La Gonâve gets improved water

Goal
To determine and recommend the best solution that will eliminate or reduce cholera in the waterways of a community in La Gonâve, Haiti

Objectives
1. Identify cholera sources
2. Select the best solution for the community
3. Create steps for implementation

Recommended Implementation Plan
- Connect with a non-profit organization
- Train workers to build and maintain Biosand filter
- Gather and ship materials
- Develop a payment plan and distribution system with the community
- Construct the filters on La Gonâve
- Have workers annually check the functionality and usage of the filters

Methods
- Researched cholera
- Researched rural Haiti
- Interviewed Ashley Gilbert (Seven Hills Foundation)
- Focused research on La Gonâve
- Interviewed a nurse-practitioner and relief-aid worker
- Shifted solution research to Biosand Filter
- Interviewed co-founder of Roots of Development
- Adjusted implementation based on feedback from last interview

Solution
Work with a non-profit organization to implement bio-sand water filters

Effects of Cholera

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