2013

A New Hope for Better Health: Cholera Outbreak Prevention

Zahra S. Khazal
Worcester Polytechnic Institute

Matthew C. Schwartzman
Worcester Polytechnic Institute

Follow this and additional works at: http://digitalcommons.wpi.edu/gps-posters

Recommended Citation
http://digitalcommons.wpi.edu/gps-posters/332

This Text is brought to you for free and open access by the Great Problems Seminar at DigitalCommons@WPI. It has been accepted for inclusion in Great Problems Seminar Posters by an authorized administrator of DigitalCommons@WPI.
The New Hope for Better Health program was created to ensure the increase in health standards for developing countries and high-risk situations. This project aims to do that by educating the millions of residents of Syrian refugee camps in proper sanitation and water purification techniques. Such education would reduce the risk of a potential Cholera outbreak due to water shortages. We have developed a way to eliminate Cholera as a potential epidemic in that area by relieving those shortages.

Kawrgosk Camp opened in August 2013 in Khabat, Arbil, KR – Iraq and now holds 13,324 individuals
The sanitation is of concern due to limited water supply
Cholera is a disease characterized by watery diarrhea in areas with poorly sanitized water
There have been 61 cases of watery diarrhea in the past week

To assist the 200,000 Syrian refugees in Iraq with sanitation and health
To reduce the risk of a cholera outbreak in refugee camps in the countries around Syria
To educate the public on this issue and serve as an example for the standard of health in high-stress, health-risk situations

We designed brochures to explain the risks of Cholera and methods of prevention
We provided instructions for creating simple water filters

Cleaner water leads to healthier lifestyles
Potential Cholera epidemic will be prevented through improved sanitation
Standard of living in high-health risk situations will be improved

A special thanks to professors Jill Rulfs and Helen Vassallo, and Jim Monaco, Rebecca Ziino, and Lynn Riley for their assistance and guidance.