



Heal the World – The Fight Against HPV and Cervical Cancer

A Case Study in Zambezia, Mozambique

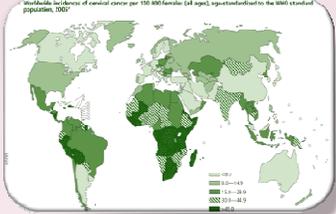


Catlin Quinn | Joy Xu | Suzanna Kelley | Rachel Winsten

BACKGROUND

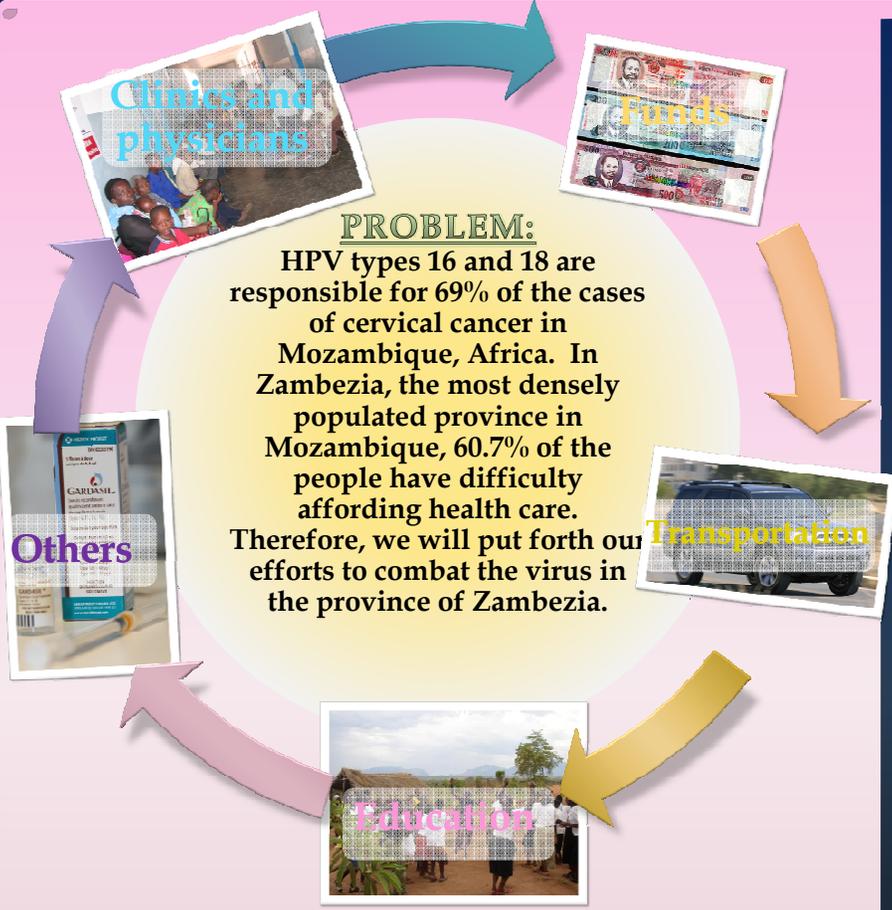
For Cervical Cancer and HPV

- Cervical cancer is a disease in which cancer cells are found in the tissues of the cervix (the opening of the uterus).
- 70% of cervical cancer is caused by two strands of HPV-16 & 18.
- Gardasil-the HPV vaccine created by Merck in June 2006-protects against HPV types 6, 11, 16 & 18



Mozambique's current situation

- Current population: 20.5 Million
- 70% of the population lives in a rural setting
- Only 3 physicians for every 100,000 people
- 54% of the population lives below poverty level
- 58% of women have cancer
- Cervical cancer is the most prominent cancer
- No National health care plan



Competition

- Cervarix- an HPV vaccine manufactured by GlaxoSmithKline
- Moral Issues-encourages premarital sex
- Price- \$125/ dose
- Negative Side effects-led to 3 deaths and 18 miscarriages
- Does not prevent spread of STDs

References

World Health Organization. (2002). Cervical cancer. Fact sheet No. 293. Retrieved from <http://www.who.int/mediacentre/factsheets/fs293/en/>

World Health Organization. (2002). Cervical cancer. Fact sheet No. 293. Retrieved from <http://www.who.int/mediacentre/factsheets/fs293/en/>

World Health Organization. (2002). Cervical cancer. Fact sheet No. 293. Retrieved from <http://www.who.int/mediacentre/factsheets/fs293/en/>

Analysis

- Evaluations will be conducted after completion of our initial trip and each following booster distribution.
- A success would allow us to implement the project throughout all of Mozambique and, eventually, Africa, in our effort to heal the world.

SOLUTION AND PLAN

– for implementation in Zambezia

Clinics and physicians

- We will use clinics set up in Zambezia as a base for traveling doctors
- Medical School students and local volunteers will be traveling with members of Doctors Without Borders to help distribute the vaccine

Funds

- Grants and donations will cover the expense of travel, basic necessities, and other supplies
- Grants from PEPFAR are available for use to support STD programs in Africa
- Donations from general public

Transportation

- Car Donations have been requested from:
 - Toyota
 - General Motors and
 - Ford Lincoln and Mercury;
 These donations will be used by our doctors to deliver Gardasil throughout Zambezia

Education

- PEPFAR community programs already in place will be used to educate the children in Mozambique on:
 - The dangers of cervical cancer
 - The need for prevention of cervical cancer
 - The drug Gardasil and
 - The importance of compliance



Others

- Merck will donate Gardasil for all females ages 9 to 26
- The Family Care Foundation in Mozambique will provide sanitization supplies and syringes to our doctors

