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.
  - 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 support our doctors.

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.

PROBLEM:
HPV types 16 and 18 are responsible for 69% of the cases of cervical cancer in Mozambique, Africa. In Zambezia, the most densely populated province in Mozambique, 60.7% of the people have difficulty affording health care. Therefore, we will put forth our efforts to combat the virus in the province of Zambezia.

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.

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.

References
- Bellenir. Genital HPV Infection—led to 3 deaths and 18 miscarriages. 58% of women have cancer.
- Ford Lincoln and Mercury; These donations will be used by our doctors to deliver Gardasil throughout Zambezia.