measured disease intervention
2012 Triangle Global Health Case Competition

A proposal to The Bill and Linda Gates Foundations’ request for applicants to expand current public health programs in place, such as those focused on HIV/AIDS, maternal and child health, and reproductive health, to address cardiovascular disease (CVD).
Our Team

- Harambee means "all pull together" in Swahili
- Kenyan tradition of community self-help
- Initiated by first president, Jomo Kenyatta, as concept of pulling the country together to build a new nation
- Belief served as inspiration to harambee, inc
Introduction

Mission Statement

- To translate best ideas into best practices
- Developing a network for all organizations focusing on cardiovascular disease in Kenya
- Analyze their work, share their ideas, and perfect their programs
Current status of Kenya
Kenya

Current statistics

- Population: 40,513,000
- Urbanized Population: 22%
- Life Expectancy: 57
- Deaths due to NCD under age 60: 40%
- CVD-related deaths in Low-Middle Income Class: 80%
Infrastructure

Figure 3. Kenya's infrastructure networks follow population density

a. Roads

b. Power
Statistics on Health Dispensaries

- 48% Government Ran
- 34% Private Companies
- 13% Faith Based Organizations
- 2% NGO
- 2% Communities themselves
Non-Communicable Disease (NCD) Statistics

- 11% of women are obese according to the regional average
- 26% of the male population smokes

<table>
<thead>
<tr>
<th>NCD mortality*</th>
<th>males</th>
<th>females</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008 estimates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total NCD deaths (000s)</td>
<td>56.5</td>
<td>46.6</td>
</tr>
<tr>
<td>NCD deaths under age 60 (percent of all NCD deaths)</td>
<td>38.2</td>
<td>34.4</td>
</tr>
<tr>
<td>Age-standardized death rate per 100 000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All NCDs</td>
<td>779.6</td>
<td>575.0</td>
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<tr>
<td>Cancers</td>
<td>118.8</td>
<td>113.0</td>
</tr>
<tr>
<td>Chronic respiratory diseases</td>
<td>109.2</td>
<td>44.8</td>
</tr>
<tr>
<td>Cardiovascular diseases and diabetes</td>
<td>401.1</td>
<td>326.4</td>
</tr>
</tbody>
</table>
Health Education Statistics

- HIV knowledge (Males) aged 15-19 who have comprehensive knowledge of HIV: 52%
- HIV knowledge (Female) aged 15-19 who have comprehensive knowledge of HIV: 42%
Problem

• Increasing Rate of NCD amongst adults
• Multiple Organizations working to fight Non-communicable diseases
• No unified effort to create an intervention strategy tailored to both organizations and populations
Solution

Introduce an efficacy measuring service that provides access to the key onsite measures in Kenya and providing NGOs, Hospitals, and Clinics
CVD monitoring system

Method

- Due Diligence
- Corporation Recruitment
- Sharing of Knowledge
- Re-evaluating Organization Outreach Programs
- Reporting Successful strategies
Purpose

GLOBAL APPROACH
The mission of Harambee INC is to translate best ideas into best practices by developing a network in which all organizations with a focus on cardiovascular disease in Kenya can analyze their work, share their ideas, and perfect their programs. This is done through a dashboard of INITIATE, EDUCATE, and INTEGRATE. Each of these pieces of the puzzle provides an integral aspect of development, from initial ideas of an organization to the needs of a specific community. Visit our website for more details.

NEWS
10.05.14
The Dashboard has been released. We have connected to 80 partners as of 10.05.06.

03.31.12
Harambee INC is presenting their proposal to the Triangle Global Health Case Competition. With any luck, the Dashboard will be up and running in the next 4 years, thanks to a generous donation from the Bill and Melinda Gates Foundation.

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OUR DREAM
The mission of Harambee INC is to translate best ideas into best practices by developing a network in which all organizations with a focus on cardiovascular disease in Kenya can analyze their work, share their ideas, and perfect their programs. This is done through a dashboard of INITIATE, EDUCATE, and INTEGRATE. Each of these pieces of the puzzle provides an integral aspect of development, from initial ideas of an organization to the needs of a specific community.

OUR TEAM
The most important key to Harambee INC is the idea that the solution comes from the people it serves. Harambee literally means “all pull together” in Swahili and is also the official motto of Kenya. Harambee is a Kenyan tradition of community self-help and was initiated by the first president, Jomo Kenyatta, as a concept of pulling the country together to build a new nation. This belief was the inspiration to Harambee INC, and its primary focus is the goal of decreasing the prevalence of cardiovascular disease in Kenya.

OUR IMPACT
When we say our impact, we really mean the impact of those we work with. Here at Harambee INC, we recognize that Kenya does not need another NGO program, but rather the solution is to unite these initiatives with the sharing of information. Harambee collects the ideas, goals, and progress of organizations and shares them with other groups, so that the best solutions are found. The impact we make directly stems from the collaboration of ideas with the hope of improved chronic disease care in Kenya.

Purpose
CVD monitoring dashboard- User Experience

Direction
Harambee INC
CVD monitoring dashboard - Initiate

• Purpose

Tracking and measuring what we value as a community
Browse by indicator:
- Cardiovascular disease
- Stroke
- Hypertension
- Cerebrovascular disease
- Obesity
- Tobacco
- Diabetes
- Luo
- Kisii
- Luo
- Kalenjin
- Somali
- Meru
- Embu
- Kamba
- Kikuyu
- Mijikenda
- Taita-Taveta

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CVD monitoring dashboard - Educate

1. What do communities know about CVD?
Harambee INC contains a comprehensive process in which communities throughout Kenya are surveyed. We want to know what it is that the people within these communities know, so that organizations can gear their education practices towards these knowledge bases. By clicking on the drop down box below, you can select any town in Kenya for the specific knowledge base.

2. What are their personal requests?
Here at Harambee INC, we believe that a crucial part of problem solving is working with the community toward something that they want to see happen. That's why part of our survey includes not only what they know about CVD, but also what their desires are. We seek to create sustainable programs with a lasting impact, and so we hope by looking into the personal interests of communities, we can create a more invested program.

Select any town of interest
CVD monitoring dashboard - Integrate

Initiative Highlights

FHI 360

FHI 360 worked in five facilities selected for the Kenya pilot where the staff who provide HIV services have been trained to screen for CVD risk factors. Using adapted behavior change materials and job aids, they talk to clients about their medical histories, dietary practices, physical exercise regimes, alcohol and tobacco use, and biological and therapeutic risk factors for CVD. To ensure the sustainability of the services in Kenya, FHI 360 has...
Project Management / Business Case
Project plan

Phase 1
Due diligence

Phase 2
Project Execution

Phase 3
Beta Test Trial

Phase 4
Launch Dashboard, initiate Maintenance Program
CVD monitoring system

Resource Allocation ($15MM)

Execution 67%
Launch 13%
Due Diligence 7%
BETA Trial 13%

Due Diligence 7%
- Kenya Health Ministry relationship development and data collection
- NGO relationship development project specification and definition
- Organizational development
CVD monitoring system

Resource Allocation
($15MM)

- Execution 67%
  - Dashboard construction
- BETA Trial 13%
- Due Diligence 7%
- Launch 13%
- Execution 67%
- Resource Allocation ($15MM)

- Kenya information infrastructure
- NGO interface
- Education program
- Drug and therapeutic definition and distribution
- Project administration
Resource Allocation ($15MM)

- BETA Trial: 13%
  - BETA Trial setup
- Launch: 13%
- Due Diligence: 7%
- Execution: 67%

NGO project administration
Launch Dashboard administration
Kenyan information collection infrastructure
CVD monitoring system

Resource Allocation ($15MM)

- Launch: 13%
- Due Diligence: 7%
- Execution: 67%
- BETA Trial: 13%

Launch
13%

Dashboard administration
Kenyan information collection infrastructure
System Features

- Dashboard includes private and public displays
- Encourages organizations to conduct project analysis if not doing so already
- Members can compare their success to those of others for grant-writing purposes
- Purchasing power:
  - Access to private dashboard of organization success analysis
  - Harambee INC trained data collection
  - Access to information provided by other organizations
Conclusion

CVD monitoring system
Expected Impacts

harambee, inc. Annual Conference
Conferences will allow participating organizations and investors to examine and evaluate various CVD programs in Kenya. This will increase communication among participants, which will expand current/future CVD prevention programs from community to community.

Donations
Donations among each organization is likely to increase because of biannually statistic updates. This informs the public of the progression with CVD prevention programs among communities.
Expected Impacts

Harambee, inc. Monthly Subscription

Subscribers will be able to receive updated events and assessments of current projects and future plans. The fundamentals of idea sharing do not only concentrate on the collaboration of various organization but also from individuals in a community.
measured disease intervention
Contributions

Emily Bissett-Product Design, Web development,
Henry Rahn- Logistics, Budget, Presentation Design
Lara Wehbie- Research analyst, organized communication pathway
Hunter Isgrig-Programs, project organization
Work Cited


• http://www.kenyanheart.or.ke/cardiovascularDisease.html