

Bikes For Lives

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Challenges

Accessing
Vaccinations

Lack of
Legitimate
Health Records

Sustaining
Availability of
Vaccines

Disease
Surveillance

Ineffective
Training

Lack of
Education

Key Improvement Areas

Vaccine Accessibility

Creating a Record Keeping System

Implementing Effective Training

How we will make
vaccinations more accessible?

Vaccine Delivery

“Sustainability is the capacity of programs to continuously respond to community issues and maintenance of focus on set goal.”

- International Journal of
Telemedicine and Applications



How can we improve the
record keeping process?

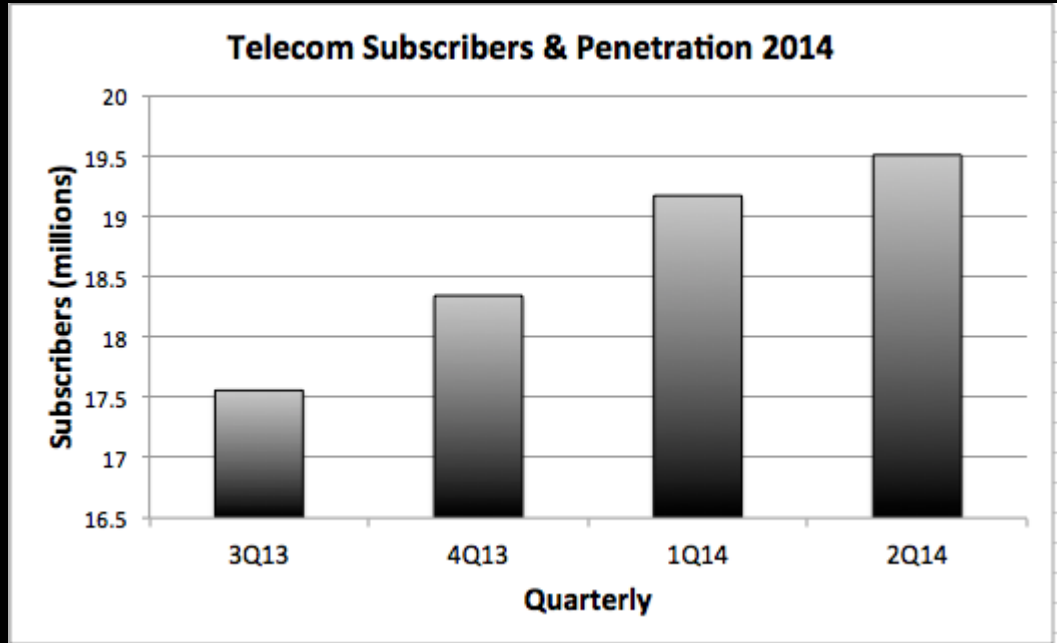
Electronic and Mobile Health

5.3 billion mobile subscribers across the globe

90% of world population covered by wireless signal

80% of rural populations

57% of population of Uganda



How can we overcome lack of
training?

Health Care Provider Training and Diagnostics



Uniject Syringes



Alternative Considerations

Village Health Teams

inefficient use of funds

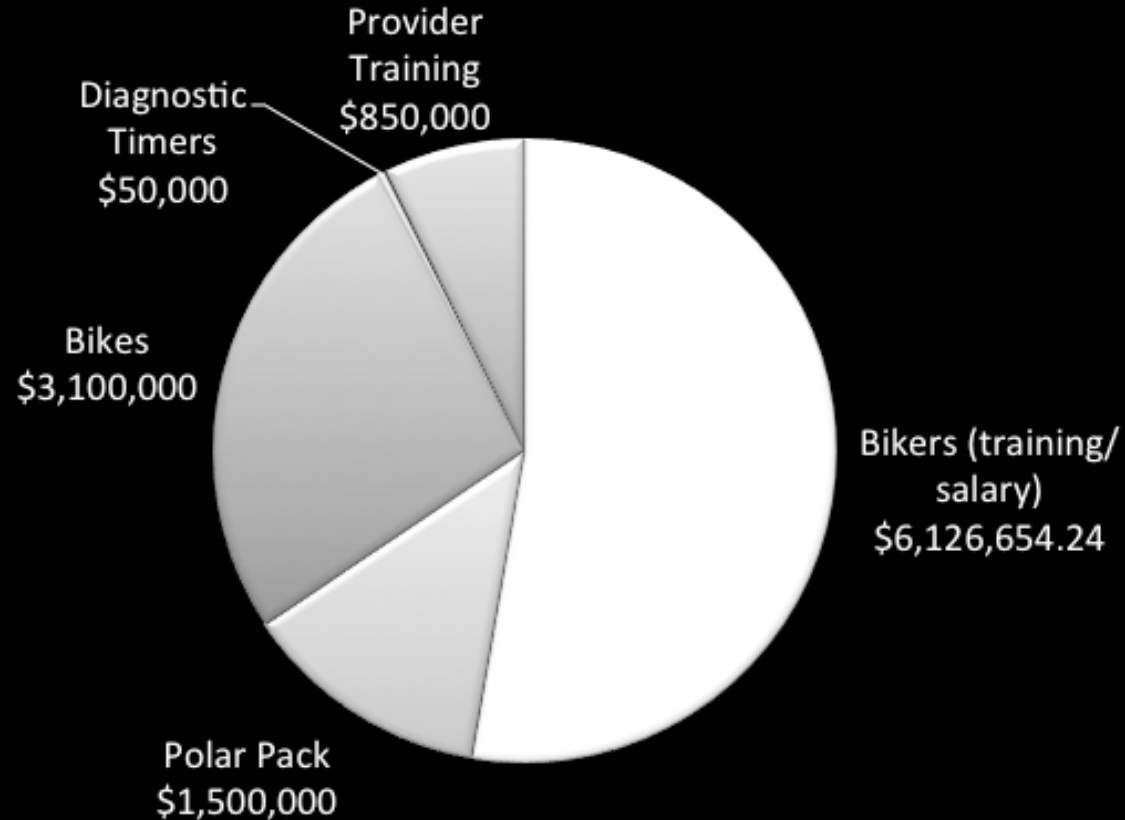
not sustainable

Sustainable Drug Seller Initiative

store distribution of vaccines unnecessary

How are we going to allocate
our funds?

Financial: Year 1 Costs



Bikes for Lives Value Chain



Providing a bike to every 10 km² zone in order to deliver PCV 10

eHealth system to improve record keeping and enable communication between patients and clinics

Basic training for vaccine delivery bikers;
More education funding for existing healthcare professionals

Appendix



World Bicycle Relief

- “World Bicycle Relief is mobilizing people through the Power of Bicycles. We envision a world where distance is no longer a barrier to education, healthcare and economic opportunity.”
- “We provide specially-designed, locally assembled bicycles to entrepreneurs, healthcare workers and students across rural Africa through sustainable work-to-own and study-to-own programs. We also train field mechanics to ensure access to maintenance and spare parts.”
- “To meet the growing demand for high-quality bicycles in the developing world, World Bicycle Relief's wholly-owned subsidiary, Buffalo Bicycle Ltd. sells bikes directly to non-governmental organizations, corporations and individuals in need of affordable, sustainable transportation.”

Rapid SMS Texting

Case Study: ChildCount+

Organization: Millennium Villages Project in Kenya, Tanzania, and Ghana

Project: Use RapidSMS based mobile application as a community health events reporting and alerts platform

- empower communities to improve child survival and maternal health

- workers are able to use text messages to register patients and send in health reports to a central web dashboard

Implementation: Sony Ericsson provided phone handsets for community healthcare workers; Airtel Kenya, then known as Zain, assisted in setting up a toll

Strengths

- Encourages early vaccination
- Provides access to families of all income levels
- Creates a partnership with the government so there is mutual stake in the process

Weaknesses

- Doesn't address the issue of limited access to healthcare
- No plan to educate public on importance of vaccine

Opportunities

- Provide more widespread access to PCV 10
- Educate public about importance of vaccinations and symptoms of pneumonia

Threats

- Exponential growth of population
- Difficulties gaining widespread understanding and acceptance from public