MamaOpe

Together let's save babies.

MamaOpe

A smart wearable jacket that determines and interprets common signs of Pneumonia

Problem

1 out of 6 childhood deaths were due to **pneumonia** in 2015 *This translates to:* →

920,000 childhood deaths **per year**

2500 childhood deaths **per day**

100 childhood deaths **per hour**

1 childhood death **per 35 seconds**

Gap

- Clinical skills deficits among frontline health workers

- Access to diagnostic tools like pulse oximetry, and chest x-rays

- The determination and or correct interpretation of pneumonia signs such as lung sounds and respiratory rate (RR) is complicated with many inaccuracies among many clinicians

Solution

- A smart wearable jacket that automatically determines and interprets common signs of Pneumonia

✓ Complements health worker assessment skills

✓ Improve accuracy of pneumonia diagnosis

✓ Facilitate early treatment initiation and inform the design of

implementation programs

Market

Pneumonia > 138 Million cases worldwide >11-20 cases requiring hospital admission *
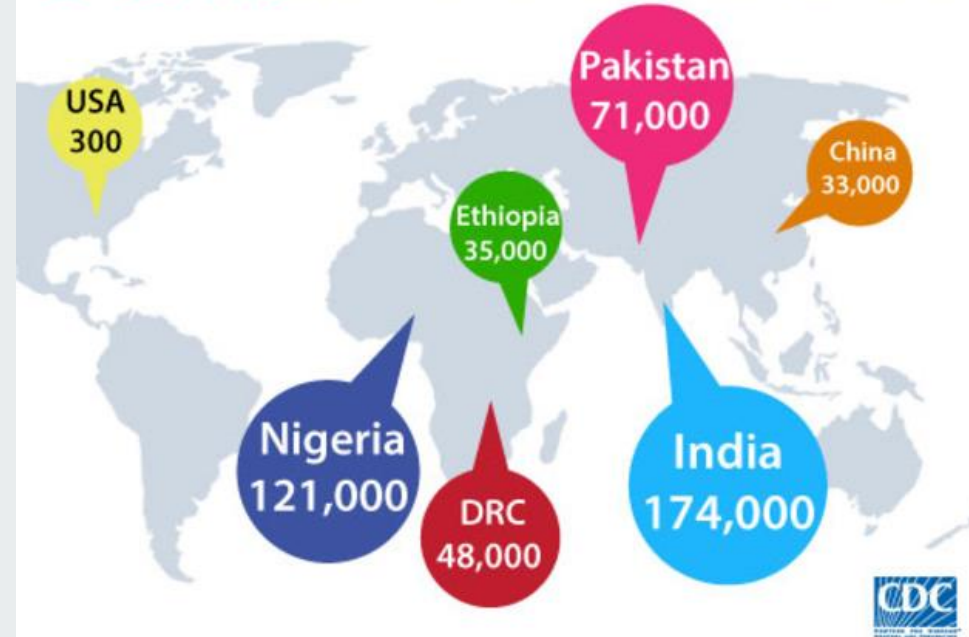
*IN UGANDA:

- Public sector > 139 general hospitals, 480 health center IVs and 2400 health center IIIs.
- Public sector > Over 27 General hospitals and 3,318 clinics around the country

Our commercial strategy will explore both sales and a rental model in resource constrained settings.

Pneumonia is the #1 infectious disease killer of children under 5

99% of pneumonia deaths in kids under 5 occur in low & middle income countries

USA 300
Pakistan 71,000
China 33,000
Ethiopia 35,000
Nigeria 121,000
DRC 48,000
India 174,000

CDC

*Source: *Global, regional, and national estimates of pneumonia morbidity and mortality in children younger than 5 years between 2000 and 2015*
*Source: *Ministry of Health Uganda: Hospitals 2018*

We have a diverse team of engineers, doctors and market experts

ENG. OLIVIA KOBURONGO

CO-FOUNDER & CEO

Former Team Leader Ilabs@Mak Research Project and Director Innovex Uganda. She is currently pursuing her MBA at ISBAT University and a degree in Telecommunications Engineering and experience with Research models.

ENG. BRIAN TURYABAGYE
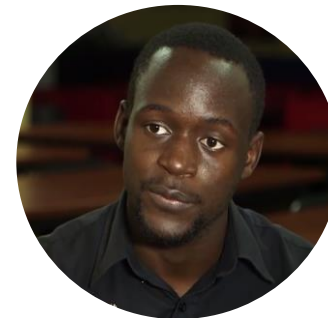
CO-FOUNDER & Data Engineer

Member of QEPrize Global Engineering Ambassadors Network. Has experience in systems design and digital signal processing. Possesses a degree in Telecommunications Engineering,

ENG. BESUFEKAD SHIFFERAW

CO-FOUNDER & CTO

Former head Software Department (iLabs@Mak), Intern at SparkPlug Ltd, Lecturer at Victoria University. Holds a Masters degree in IT from ISBAT University and a Bachelor's degree in Computer Engineering.

DR. RODNEY SEKATE

Lead, Medical Research

MBchB from the College of Health Sciences, Makerere University. Part-time medical doctor with Mulago National Referral hospital. Good at interfacing the medical understanding to diagnostics and technologies.

Eng. Cosmas Mwikirize, Mentor

An engineering Scientist and Ph.D. Candidate at Rutgers University in Biomedical Engineering with research in developing ultrasound-based methods for automatic surgical tool enhancement and localization.

We have partnered and been mentored by key organisations in Africa and in the healthcare space

Contacts

@mama_ope
mamaope2016@gmail.com
http://mamaope.com