

# E-Heza Digital Data Solutions

A low-cost, quality-driven, point-of-care data solution that will dramatically improve maternal and child health outcomes, designed to be replicated and scaled throughout East Africa.



## Local Design, Global Impact

Alongside front line health care workers and the Rwanda Ministry of Health, TIP Global Health is creating Rwanda's first point-of-care digital data collection system, called E-Heza, that gives nurses the tools they need to adopt evidence-based clinical care protocols, provide high quality care and utilize realtime data trends to both tailor health education to individual family needs and to improve the health care delivery system while simultaneously satisfying Rwanda Ministry of Health data reporting requirements.

## Data Trends to Educate and Inspire

Data trends provide powerful positive reinforcement of healthy behavior change by allowing nurses to provide health education that is tailored to individual mothers and babies in a way that helps mothers to see the positive impact their behavior change is making on the health of their children.

## Milestones & Awards

**Finalist GenH Challenge** - January 2018

**MIT SOLVE Awardee** - September 2018-19

**Save the Children *Breakthrough Innovation for Children Award*** - September 2018

**The Global Fund to Fight AIDS, TB & Malaria visits Ruli, Rwanda** - January 2019

**10,000 Women & Children Registered to E-Heza Platform** - December 2020

**Corona Action Rwanda Awardee** - 2021

**5 New Modules Completed** - August 2021

**45,000 Women and Children Registered to E-Heza Platform** - 2021

**23 Health Centers, 120 Community Health Workers, and 9 School-feeding programs served** - 2021

## The Challenge

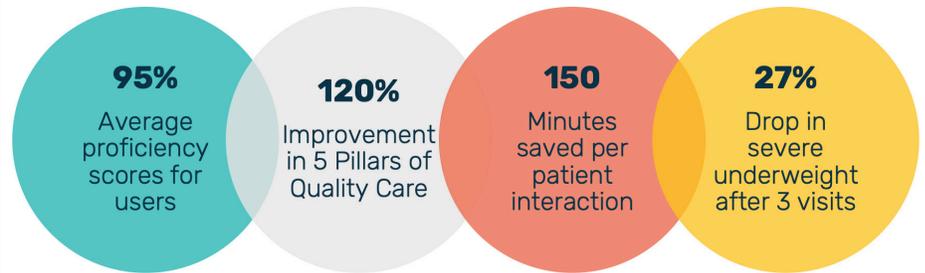
- Current reporting systems are difficult to use, causing reporting delays & inaccuracies.
- Frontline health workers are unable to utilize their data to improve the quality of their care.
- National governments do not have access to accurate and timely data to respond to crucial public health issues.

## The Solution: E-Heza

- Point-of-Care and hands free
- Users can shift between Individual and Group Health Assessments
- Automated z-score calculations to improve accuracy
- Period 'health reports' include photographs of a child over time that can be printed and taken home
- Will connect directly to national health data reporting systems (DHIS2 and OpenMRS) - these platforms are used by over 60 countries.



## Our Impact



## Essential Partners



Rwanda Ministry of Health



The Global Fund to Fight AIDS, Tuberculosis & Malaria



East Africa Health Research Commission



Nurses & Mothers

## FAQs

### How was end-user feedback gathered?

Nurses and mothers are engaged in the entire design process to ensure that E-Heza supports their work flows, maximizes their ability to interact with patients, and simplifies fulfillment of data reporting requirements to the Rwanda Ministry of Health. Focus groups are held with nurses and mothers to gather feedback and adjust the product at each stage of development.

### What happens when internet access is unavailable?

E-Heza uses progressive web application technology, so it is functional even in settings of limited infrastructure because data can be entered in remote locations and then uploaded to a common online database when the internet is accessible.

### Can E-Heza be expanded beyond Rwanda?

E-Heza is designed with key features that support its expansion through Ministries of Health across the globe. It will eventually function as a complete family health record, and new modules can be added to address other chronic conditions - such as diabetes, HIV, or heart disease. The Global Fund to Fight Aids, Tuberculosis and Malaria considers E-Heza a solution to their challenge of data integrity across Sub-Saharan Africa.

### Can E-Heza be used beyond the health center setting?

Yes. E-Heza has been expanded to Community Health Workers in 30 villages and to 9 school-feeding programs.