

Mobile App Planning

A presentation by Masimba Muziringa

“Every day, tens of thousands of children and adults die needlessly for want of simple, **low-cost interventions – interventions that are often locally available** but simply **not provided in time**. A major contributing factor is that the mother, **family caregiver or health worker does not have access to the information and knowledge they need, when they need it, to make appropriate decisions and save lives.**”

<http://www.hifa.org/about-hifa/why-hifa-needed>

Zimbabwe cholera deaths at 24, drugs resistant: WHO

By AGENCE FRANCE PRESSE, Harare, Zimbabwe,
Sep 13 – 2018

“The death toll from a cholera outbreak in Zimbabwe has risen to 24 with first-line antibiotics struggling to treat the disease which has spread from the capital, a World Health Organisation report said Thursday.”

<https://www.capitalfm.co.ke/news/2018/09/zimbabwe-cholera-deaths-at-24-drugs-resistant-who/>

Mobile App Development- Intervention

- Mobile penetration rate for Zimbabwe reportedly at 95%
- Clinical guidelines produced in print, sometimes not readily available and accessible.
- Significant population of healthcare professionals failing to access/use knowledge for clinical decision support

What is it?

- A free web-based mobile app
- It facilitates real-time searching for the best available research evidence to inform health care decisions
- Available at the point of patient care- point-of-care resources
- Accessible via smartphone or Tablet

Objectives

- Increase access to point-of-care resources (e.g EDLIZ)
- Support evidence based healthcare
- Provide access to locally generated contextual evidence
- Improve healthcare outcomes for the people by supporting clinical decision making
- Provide 24/7 access to evidence in support of clinical decision making

The Journey!!

- Established an all inclusive TWG on the Mobile app development.
- The TWG meets every month to deliberate and come up with agreed positions.
- The TWG comprises of;
 - Healthcare practitioners
 - MoHCC
 - Industry/Commerce

Target Group

- Healthcare professionals
 - Doctors
 - Nurses
 - Pharmacists
- Industry
 - Healthcare funders
 - Technology industry

Progress to-date...

- **Phase 1: Pre-planning and research**
- **Phase 2: Mental Prototyping**
- **Phase 3: Technical Feasibility**
- Phase 4: Building a prototype
- Phase 5: Designing and development of App
- Phase 6: Testing the mobile App
- Phase 7: The launch

Impact Assessment

The use of the mobile app will also enable research into evidence-based practice by addressing these questions:

- **How often do people ask clinical questions using the app?**
- **What questions do people ask?**
- **Does individual EBP improve clinical decision making?**
- **How frequently is the app downloaded and used? (Standard metrics)**

END

African nDigital Health Library (ADHL)

ADHL

<https://library.adhl.africa>

Central ADHL Node

Central ADHL

2018-10

ADHL: Mobile App Development Planning

Muziringa, Masimba

African Digital Health Library (ADHL)

<http://library.adhl.africa/handle/123456789/4471>

Downloaded from African Digital Health Library (ADHL)