INNOVATING AND ADVANCING HANDHELD HEALTH: A GLOBAL SOLUTION FOR SCALING UP mHEALTH TECHNOLOGIES TO CONTROL AND PREVENT NCD

THE GOAL

INNOVATE, SCALE UP, and ADVANCE mobile health technologies to reduce global non-communicable disease burden.


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WHY ARE FOCUSING ON NCDs?

Percent of Global DALYs Due to NCDs in 2010

Percent of Global DALYs Due to NCDs in 2010. Adapted from “The Global Burden of Disease: Generating Evidence, Guiding Policy,” by Institute for Health Metrics and Evaluation, 2013, p. 20. Copyright 2013 by IHME.

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WHERE ARE WE NOW?

NCDs are the leading cause of death worldwide

UN calls for global action against NCDs

WHO & ITU collaborate with UN ITC agencies

Develop mobile technologies to address NCDs

Small scale testing and piloting of mobile technologies

Scaling up mobile technologies for worldwide accessibility

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CHALLENGES WITH BRINGING mHEALTH TO THE GLOBAL STAGE

› Lack of interoperability and sustainability
› Need for capacity-building and infrastructure
› Gaining buy-in and maintaining engagement from the developer community
› Need for monitoring and evaluating outcomes, quality, and effectiveness

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STRATEGIC APPROACH

STAGE 1: TARGET
Identify and target existing global NCD initiatives to complement, convene stakeholders and strategic partnerships, cultivate buy-in.

STAGE 2: BUILD
Assemble a multidisciplinary technical advisory group to steer the adoption of universal health information technology interoperability and sustainability standards, establish or partner with a globally representative open-source community to create a public-facing web and mobile app portal for proven mHealth technologies and services, build capacity.

STAGE 3: DIFFUSE
Launch the portal and continually target and engage the development community and end-users.

STAGE 4: EVALUATE
Collect, mine, monitor, and analyze meaningful data to pinpoint NCD risk factors, measure effectiveness and outcomes associated with use of mHealth, determine indicators of success, and engage in continuous quality improvement to identify and deploy enhancements.

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STAKEHOLDERS & STRATEGIC PARTNERSHIPS

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CHALLENGES & LIMITATIONS

Big data paradox, security, data anonymization, data integrity and validity, compiling data vs. intellectual property

Building, maintaining, and continually engaging the open source community

Interoperability standardization, agility and customization

Sustainability and lifecycle of apps & mobile technologies

Global scope of initiative

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OPEN-SOURCE MODEL
