Supporting the CHILD DEVELOPMENT study

Get involved in this pioneering project that uses artificial intelligence to create early-warning systems that can save lives and boost the future of children and youths in Malawi.

**QUOTA: DIGITAL HEALTH**

- Provide specific IT support from developers and engineers to build up cutting-edge tools
- Enable collaboration with selected external suppliers, specialized in mobile health and data science
- Secure the most important functionalities of the Early Warning System

Fig. 1: Donor fund quotas in CHF

**MOTIVATION**

Can you imagine how the future in Malawi would look if real-time data could help prevent thousands of childhood deaths caused by malaria, diarrhea, anemia, pneumonia, and other diseases?

In this groundbreaking project, **one of the first to use artificial intelligence in the developing world** to enable real-time program design and evaluation, our research team aims to increase the volume of data collection about child and youth health conditions.

Thanks to Digital Epidemiology via systematic big data analyses, health workers can take prompt lifesaving interventions, such as epidemic early warnings and immediate preventive measures towards the most common diseases affecting children in Malawi. The use and scale-up of digital health solutions can revolutionize how children achieve higher health-promoting standards and protect their development and well-being.

Given the strong partnership already in place with the College of Medicine of the University of Malawi, UNICEF Malawi and the Ministry of Health and Planning of Malawi, real-time data will enable the design and implementation of evidence-based programs by Malawi’s public health system, taking informed decisions, cutting corners, and drastically improving the quality and cost-effectiveness of public health services.

The data collection, which specifically examines the mental and physical health of **Malawian children and youth living in poverty**, will be held across 180 villages, involving over 6,000 households. The most significant potential of this project lies in the sustainable and scalable interventions that digital health technology brings. Empowering government and health workers thanks to machine learning and artificial intelligence will **boost children’s and youth’s future opportunities**.
DONOR FUND FOR DIGITAL HEALTH

The Child Development Study aims to accompany the development of an entire generation of children and youth in Malawi. The project is divided into six phases of three years each. 3.2 Mio CHF is budgeted for the initial phase; UNICEF Switzerland and Liechtenstein and UNICEF Malawi have already committed to 1.7 Mio CHF. We have four donor quotas for the open budgetary needs, and your organization could support one or more of them.

These quotas will be branded after your institution (if desired) and will also grant you a seat on the project’s Advisory Board. Learn more: www.ccwd.uzh.ch/cds

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