

Accurate digital screening and capturing of paediatric malnutrition measurements

Technology Overview

This system provides accurate, digital, mid-upper arm measurements for screening of severe and acute malnutrition in children, as prescribed by the World Health Organisation (WHO). The system electronically captures the appropriate measurements and then proceeds to store and analyse the data using a smartphone application. Automatic alerts are sent to healthcare professionals (nurses or dieticians) if outliers in the data are observed.

This is the first device to take electronic measurements, analyse and report the data and keep digital records that are geographically tagged and generate trend-type data over time.

Market Opportunity

With private and public health systems globally under financial pressure, this low-cost solution will avoid expensive infrastructure procurement. It can be rolled out fast and at low cost in conjunction with a smart phone. The data generated through the associated mobile app can enable governments to trace population wellbeing.

It is best deployed in combination with the Digital Infantometer (see separate sheet).

Technology Benefits

- Accessible through mobile platforms
- Electronically captures screening measurements
- Accurate screening records
- Automatic alerts to healthcare professionals

Project status

Seeking licensees and/or grant makers for deployment in low-income settings.



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