Project Overview

World Vision Indonesia, together with World Vision Canada, is piloting the use of mobile phones to improve nutrition service delivery including community-based growth monitoring and nutrition counseling in Indonesia. The mobile phone initiative has been integrated into the existing national nutrition service delivery through the posyandu programme. Posyandus are monthly service posts at sub-village level that form the lowest level of the primary health care infrastructure in Indonesia.

World Vision, together with technical support from the MOTECH Suite, has designed a mobile phone-based application to address some challenges that hinder nutrition service delivery in the posyandu. The MOTECH suite uses Android smart phones to facilitate both growth monitoring and nutrition counselling in the posyandu. For growth monitoring, the application can be used to register the child, collect anthropometric measurements, calculate z-scores and classify a child’s nutritional and growth velocities. The application is also capable of generating summary reports from the data and aggregating single records according to different criteria (e.g., percentage of underweight children, growth trends and average weight for single children). The completed growth monitoring form for each child is saved on the mobile phone and submitted via general packet radio service (GPRS) to the cloud-based, password-protected server.
For nutritional counseling, the application can be used to assess underlying illness and the current feeding practices of a child during home-based counseling sessions, and to analyze this initial information to identify potential challenges and provide tailored nutrition messages based on the analysis.

With support from WV UK and the Institute of Development Studies UK, WV Indonesia set out to evaluate the pilot of the mobile phone application for nutrition service delivery. This evaluation aims to generate insights into contextual conditions under which the mobile phone application brings about the desired improvements and why. This will help inform the further development of the program and potential transfer of the mobile phone application to other settings in Indonesia and globally. The evaluation is expected to be completed at the end of 2015.

**mHealth Solution**

Specifics of the mobile health solution utilized are delineated below:
- **Technology**: Motech Suite
- **Mobile Phone**: Lenovo A390
- **Mobile Network Operator**: Telkomsel

**Stakeholder Engagement**

Key stakeholders, at the international and national level collaborating on this mHealth initiative include:
- Ministry of Health
- Dimagi, Inc.
- Grameen Foundation
- Institute of Development Studies UK

**Funding**

**Phase I**: WV Canada, UNICEF, DFID/IDS

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