

mHealth INDONESIA

Quick Facts

Name: mPosyandu (mobile Posyandu)

Locations: North and East Jakarta, Surabaya, Pontianak, Sikka

Timing: April 2013 - December 2017

Programmatic approaches: Growth Monitoring and Promotion, Nutrition Counselling

User profile: Community Health Workers and Health Facility Workers

Current number of users: 220

Current number of beneficiaries reached by users: 11,300 children under 5



◆ Project Overview

World Vision has piloted the use of mobile phones to improve the efficiency and quality of Posyandu, an existing nutrition service featuring community-based Growth Monitoring and Promotion and Nutrition Counselling in Indonesia. The mPosyandu technical solution has added mobile information and communications technology into an existing national nutrition service platform.

The application supports nutrition counselors to assess underlying illnesses and current feeding practices of children during counselling sessions at Posyandu sites and at the homes of those unable to come to the site. The mobile technology processes growth and nutrition measurements automatically and flags the level of nutritional risk which provides the opportunity for tailored nutrition messages to be delivered by the counsellor in real time. Additionally, measurements are stored in electronic health records that can be accessed by relevant users such as doctors and workers from various agencies.

Over the past year, World Vision has completed a rigorous independent evaluation of the pilot deployment of this solution. The evaluation contended that cadres who utilized mobile phones were more likely to provide feedback, accelerate the procedure of nutrition data collection, and improve data accuracy by 80%. To access the full evaluation report, see the following link:

<http://www.wvi.org/nutrition/publication/impact-evaluation-mobile-phone-application-nutrition-monitoring-indonesia>.

For more background on Posyandu as well as a detailed description of how the use of mPosyandu has transformed the program, see the following video: <http://bit.ly/mPosyandu-Eng>.

◆ Technical Solution

Since initiating an mHealth component to support Community Health Workers' programming in 2013, World Vision Indonesia has used the MOTECH Suite application to support Growth Monitoring and Promotion and Nutrition Counseling.

- **Technology:** CommCare integrated with the MOTECH Suite
 - **Mobile Phone:** Asus Zenfone 2
 - **Mobile Network Operator:** Telkomsel
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- Behavior change communication
 - Registries/vital events tracking
 - Data collection and reporting
 - Electronic health records
 - Electronic decision support
 - Interoperability

◆ Stakeholder Engagement

Key stakeholders at the international and national levels collaborating on this mHealth initiative include:

- Ministry of Health
- Smart City
- Institute of Development Studies UK
- Dimagi
- Grameen Foundation
- Woman Welfare Association

◆ Funding

- World Vision Canada
- World Vision Indonesia
- HSBC (Private Donor)

◆ Contacts

Project Management

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