

# INDONESIA



## Digital Health Quick Facts

Project	IT Based Empowerment of Maternal and Child Health (IREACH) Project
Timing	2017–2021
Phase	Package and Advocacy
Programmatic approaches	Growth Monitoring and Promotion
COVID-19 response	Yes
Software	CommCare
User profile	Posyandu cadres (CHWs), village government officers and facility-based workers
Number of users	256
Number of collaborating health facilities	7
Number of beneficiaries reached	7,555 children aged 0–18 4,657 adult females 4,169 adult males

## Overview

The IREACH project, initiated in 2019, was built on an existing and evidence-based<sup>1</sup> software application called mPosyandu, an innovation developed by World Vision Indonesia. The contextualised [CommCare](#) application was shown to improve the quality of care provided by nutrition counsellors. The IREACH project contributes to improved maternal and child health by boosting community and volunteer capacity and awareness, conducting health campaigns, and strengthening programme performance monitoring.

The mPosyandu application was created to offer shorter reporting times for routine nutrition monitoring shared from Posyandus (integrated and community-owned health service posts focused on maternal and child health) to Puskesmas (sub-district community health centres). In Posyandus the tool has been shown to improve data accuracy by 80% (95% CI 75.9-83.1). In rural Posyandus, the improvements in accuracy were as high as 94%<sup>2</sup>.

<sup>1</sup> See Inka Barnett et al. (2016), [Mixed-Method Impact Evaluation of a Mobile Phone Application for Nutrition Monitoring in Indonesia](#), Institute of Development Studies.

<sup>2</sup> Ibid





This digital health tool has many features of value to frontline staff:

- quick processing of nutrition measurements that automatically flags a child's nutritional risk
- capturing of information about underlying child illness and current feeding practices
- enhanced data-informed nutrition counselling.

Where mPosyandu is being used by both Posyandus and their collaborating Puskesmas, the convenience and efficiency of using the same application adds additional benefits.

The IREACH project currently operates in Central Sulawesi and is supported by the Australian Government. It has proven scale-up potential, so efforts to expand partnerships continue.

## WHO Health Focus Areas\* Supported

- Civil registration and vital statistics
- Newborn and child health
- Nutrition and metabolic disorders

## Technology Partners

- **Technology:** Dimagi
- **Mobile Network Operators:** Telkomsel, Indosat

## Stakeholders

- Central Sulawesi Provincial-level Government
- Palu Health Office—District-level
- Sub-district Governments in Tawaeli, North Palu, West Palu, Ulujadi, Tatanga
- Palu City Government, City Planning Development
- 24 village governments
- Collaborating health centres or offices and 98 Posyandus in Pantoloan, Tawaeli, Mamboro, Kamonji, Sangurara, Tipu, Nosarara, Central Sulawesi
- Family Welfare Movement Palu Committee
- Save the Children (Yayasan Sayangi Tunas Cilik)
- Faith-based organisations
- Tadulako University

## Funding

- Department of Foreign Affairs and Trade (Australian Government)

## Contacts

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\* Categories used to describe health focus areas are established within the structure of the World Health Organization's [Digital Health Atlas](#).

