

Case Study

At a glance

Customer

Kenya Ministry of Health

- Target population: 20,000
- Location: Trans Mara District, Kenya
- Sector: Local government

Software and Services

- Clinic in a box-Streamlined primary care workflows
- Standardized, customizable reporting
- Technologies
 - Biometric identification
 - Adaptable power options, including solar
 - Customizable, integrated peripherals (BP, pulse oximeter, etc.)

Results

- Aides nurses in making better clinical decisions for epidemiological data
- Manages over 1,000 patients each month
- Generates standard MoH surveillance reports

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Kenya Ministry of Health FATPAK Fills a Vital Primary Care Need in Rural Kenyan Health Facilities

Governing bodies in developing countries face a healthcare landscape filled with geographic and technological constraints that make accurate and standardized healthcare reporting nearly impossible. The Kenyan Ministry of Health uses Vecna's FATPAK to manage patients and clinicians, while receiving high quality epidemiological data.

The Challenge

Patient and data management are two of the most widespread challenges in Kenya, especially in remote or rural areas. A paper record system, combined with the remoteness of many areas, prevents facilities from sharing information or reporting statistics effectively to the government. The Kenyan Ministry of Health addresses this problem by issuing portable medical records called Outpatient Books, but these are easily lost or forgotten by most patients, such that information cannot travel with patients, and no consolidated patient record exists in any place. Thus, when a patient arrives at a health facility, it is as though for the first time, and the clinician is unable to treat based on medical history.

The Solution

As part of an ongoing collaboration, Vecna Technologies worked with the Kenyan Ministry of Health and the Reto Mara Development Organization to customize FATPAK for the unique demands faced by rural health facilities.

Vecna worked closely with government officials and indigenous healthcare providers to develop simple and customizable primary care workflows

that allow longitudinal tracking of patients. Since the FATPAK software runs off of Vecna's Kiosk platform, it took only a short time to adapt the software for this application. Following strict MoH guidelines, Vecna developed an automatic reporting system capable of generating all standard government reports.

The FATPAKs were deployed in two rural clinics in Trans Mara District in April 2009, and within 2 weeks were operating independently of Vecna's support. Indigenous nurses unfamiliar with computers or technology became proficient within 2 work days, showing great promise for scaling and expansion.

