

## What is SMARThealth?

SMARThealth (**S**ystematic **M**edical **A**ppraisal, **R**eferral, and **T**reatment) is a **mobile-enabled digital health platform** designed to strengthen primary healthcare delivery in underserved communities and low-resource settings.

Developed by The George Institute for Global Health, SMARThealth supports frontline health workers and primary care providers to deliver high-quality, guideline-based, last-mile care, particularly for non-communicable diseases (NCDs).

What differentiates SMARThealth is its ability to integrate clinical decision support, workforce enablement, and system-level analytics within a single, offline-capable platform designed for real-world primary care delivery, rather than operating as a standalone or parallel digital tool.

## What SMARThealth does?

- **Empowers frontline health workers** with clinical decision-support tools to improve screening, diagnosis, referral, and management
- **Capability to integrate** with government health systems, supporting routine service delivery rather than parallel workflows
- Operates on **low-cost, secure, offline-capable mobile technology**, ensuring usability in remote and resource-limited settings.
- Provides **comprehensive clinical support**, initially for cardiovascular disease (CVD) and now expanding to other care pathways.
- Enables **real-time monitoring** and analytics to improve health system performance and accountability.

Through structured workflows, decision prompts, feedback loops, and performance dashboards, SMARThealth supports behaviour change and confidence among health workers, strengthening adherence to evidence-based care.

## Core Product Information

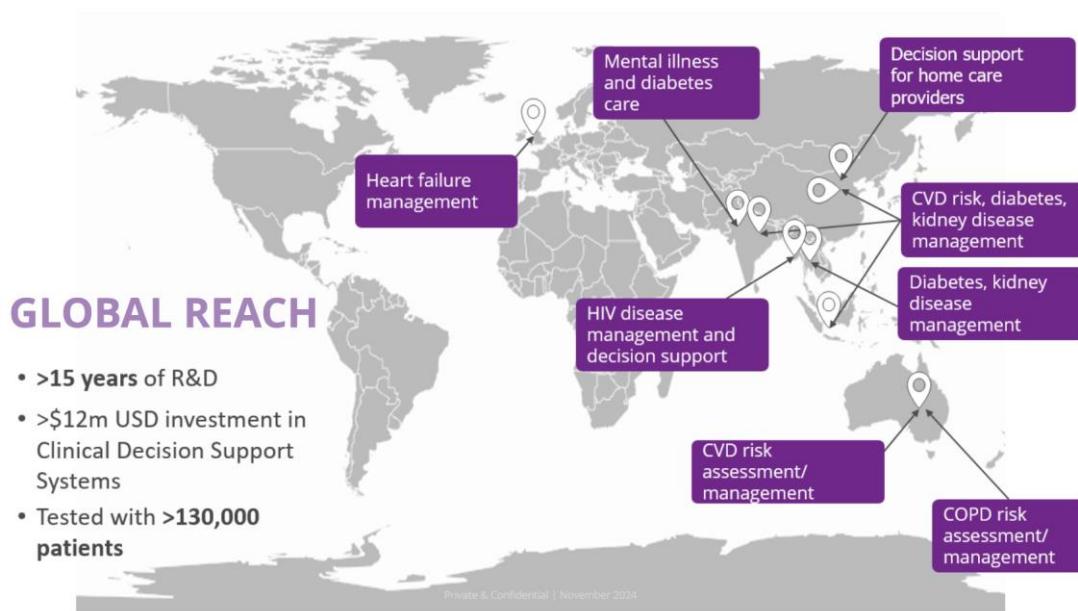
Category	Detail
Product Name	SMART <i>health</i> (Systematic Medical Appraisal, Referral and Treatment)
Developer	The George Institute for Global Health (TGI)
Type	Low-cost <b>Digital Health Platform / Clinical Decision Support System (CDSS)</b>
Core Function	Supports <b>clinical decision-making</b> and improves the <b>screening, detection, referral, and management</b> of adults with <b>chronic diseases</b> (Non-Communicable Diseases or NCDs).
Target Setting	<b>Primary health care</b> in Low- and Middle-Income Countries (LMICs); adaptable globally.
Origin	Evolved from <b>HealthTracker</b> , first developed in 2011 for cardiovascular disease management.

Clinical algorithms embedded within SMART*health* are evidence-based, transparent, and clinically validated, with oversight from expert clinicians and regular updates aligned with national and international guidelines.

### Global Reach of SMART*health*:

SMART*health* has been implemented across multiple countries, with deployments spanning research pilots, health system strengthening initiatives, and government-led scale-up efforts.

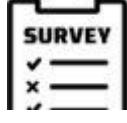
Several SMART*health* implementations have transitioned from research pilots to routine service delivery, demonstrating feasibility for institutionalisation within public health systems.



### **SMARTHealth project support:**

SMARTHealth is a flexible, modular digital platform built to support diverse health research and implementation projects. Its configurable tools allow rapid adaptation across contexts and disease areas.

#### **Key capabilities:**

Clinical Interventions	Household Listing and mapping	Surveys and assessments
		
Decision support, patient tracking, referral management, and outcome monitoring.	Accurate enumeration using unique IDs and geolocation.	Customizable digital forms for community and facility-based data collection.

The platform is designed for interoperability, enabling linkage with national health information systems and other digital platforms through configurable APIs and standard data architectures.

#### **How SMARTHealth ensures data safety?**

SMARTHealth is **VAPT (Vulnerability Assessment & Penetration Testing)** certified in **2025**, ensuring **strong security** at:

- **Server level**
- **Device level**
- **Data transmission level**

Data governance and privacy safeguards are aligned with national and international standards, supporting responsible data stewardship and trust.

		
<b>Strong Protection</b>	<b>Regular Security Testing</b>	<b>Encrypted Data Backup</b>
Encrypted data storage and transmission; Role based access controls; Firewall protection	Regular security testing and simulated cyber-attacks	Automatic encrypted offline backups with secure restoration

### **SMARTHealth – App Release**

		
Distribution via Google Play Store, Apple App Store (iOS), or secure password-protected APK links	Internal deployments managed through Mobile Device Management (MDM)	Controlled access using device asset IDs and user authentication

### **Sustainability and Scalability**

SMARTHealth is designed for long-term sustainability, supported by low operating costs, integration into routine workflows, capacity transfer to local teams, and alignment with government health system priorities.