



Africa Overview



MEDTRONIC LABS

About Medtronic LABS

Medtronic LABS is a health systems innovator with the mission to expand access to healthcare for underserved people across the world. We design and implement tech-powered healthcare delivery models with Ministries of Health that strengthen and extend health systems into local communities to deliver measurable population health outcomes.

Our Programs

Medtronic LABS is an independent non-profit (501c3) organization with entities and programs in Kenya, Tanzania, Rwanda, Ghana, Sierra Leone, Bhutan, Bangladesh, and the United States. To date, we have reached over 1.4M patients, improved outcomes for over 100,000 patients, and trained over 8,000 health workers. We're creating lasting outcomes – covering the entire range of community-based care, including hypertension, diabetes, mental health, malaria, TB, HIV, maternal health, and disabilities.

678K

PATIENTS SCREENED

241K

PATIENTS ENROLLED

124K

LIVES IMPROVED

9K

HEALTH WORKERS
TRAINED

BETTEH LYFE
Sierra Leone

AKOMA PA
Ghana

EMPOWER HEALTH
Kenya

TURAMBE
Rwanda

AFYAIMARA
Tanzania

Not a comprehensive list

Partners

GOVERNMENT

- Ministry of Health Kenya
- Ministry of Health, Republic Ghana
- Ministry of Health, Rwanda
- Rwanda Biomedical Center (RBC)
- County and Regional Governments

HEALTH SYSTEMS

- Christian Health Association of Ghana (CHAG)
- Christian Social Services Commission (CSSC)
- Christian Health Association of Sierra Leone (CHASL)

FUNDING PARTNERS

- World Diabetes Foundation
- Novo Nordisk (iCARE Program)
- PATH
- Roche
- Sanofi Global Health Unit
- Patrick J. McGovern Foundation
- Bill & Melinda Gates Foundation

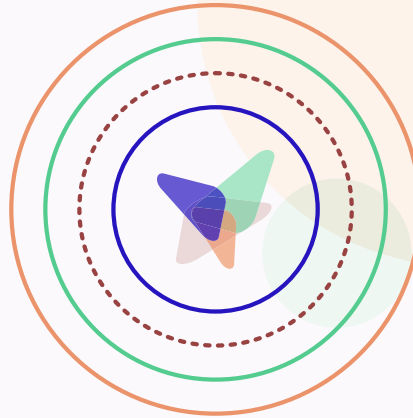
CONSORTIUM PARTNERS

- UHC 2030 Coalition
- NCD Alliance Global
- Digital Connected Care Coalition
- The Global Fund
- The Global Digital Health Network
- Community Health Impact Coalition

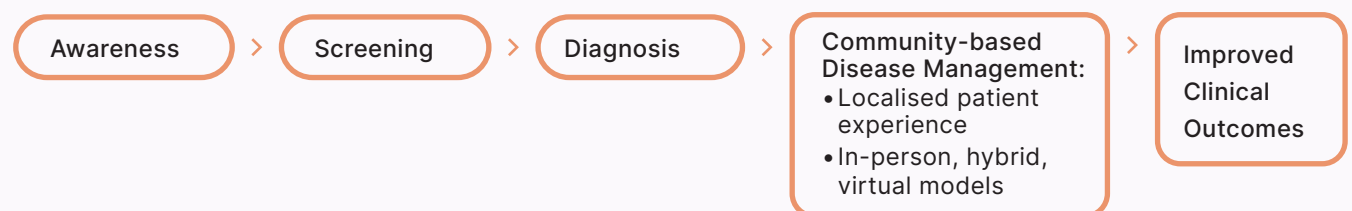
Our Solution

Combining software, point-of-care toolkits, and targeted health system strengthening we drive and deliver health outcomes by leveraging cutting-edge digital technologies to transform last-mile healthcare delivery over the long-term.

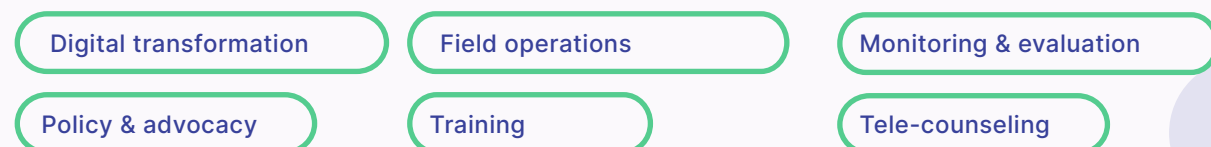
- Patient Experience
- Health System Strengthening
- Point-of-care Toolkits
- Spice Technology Platform



○ PATIENT EXPERIENCE

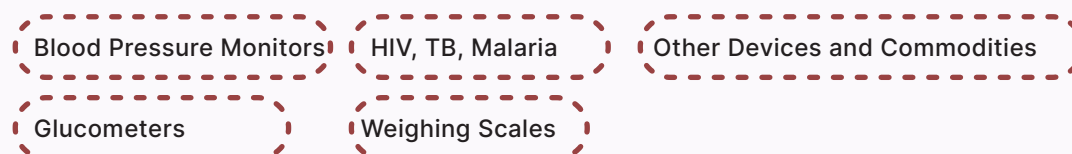


○ HEALTH SYSTEM STRENGTHENING



⊞ POINT-OF-CARE TOOLKITS

PARTNERS



○ SPICE PLATFORM MODULES



Our Product - SPICE

Meet SPICE, the first open-source digital platform designed to support a new era of data-driven community healthcare delivery. We go beyond the commonly used CHW 'survey tools', to ensure that all community-based activities are linked to the health system and are driven by clinical needs for smarter resource allocation and better health outcomes. In 2023, we will become the first digital global good for precision population health.



SPICE Core

Is our community-based platform for data-driven population health. We leverage clinical algorithms to screen, refer, and manage patients based on clinical risk, transforming care delivery from reactive to proactive. With SPICE, community-based work is linked bi-directionally to the rest of the health system.

Key Features: regional customizability, offline first, clinical algorithms, decision support

Clinical areas: Hypertension, diabetes, mental health, maternal health, HIV, TB

Health System Users: Community health workers, nurses, doctors, pharmacists, lab technicians, nutritionists



SPICE Engage

Is our patient engagement platform designed to drive patient interactions that generate results. Designed with busy health workers in mind, it allows for targeted patient follow-up at every stage of the patient journey to ensure patients are getting the support they need for better health outcomes.

Key Features: Tele counselling, automated SMS, two-way SMS

Health System Users: Tele counsellors, health system staff trained on patient engagement



SPICE Insights

Is our data analytics platform designed to deliver the right information to the right stakeholder at the right time. From clinical outcomes to operational KPIs SPICE Insights is designed to make data useful at every level of the health system.

Key Features: data visualizations and dashboards for operational and clinical KPIs, MoH report downloads, customizability for user and level of health system.

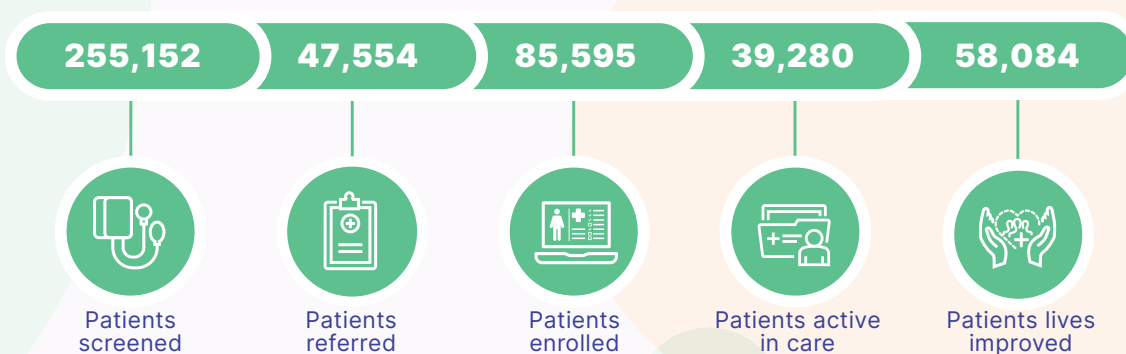
Health System Users: National policymakers, local government, health facility administrators.



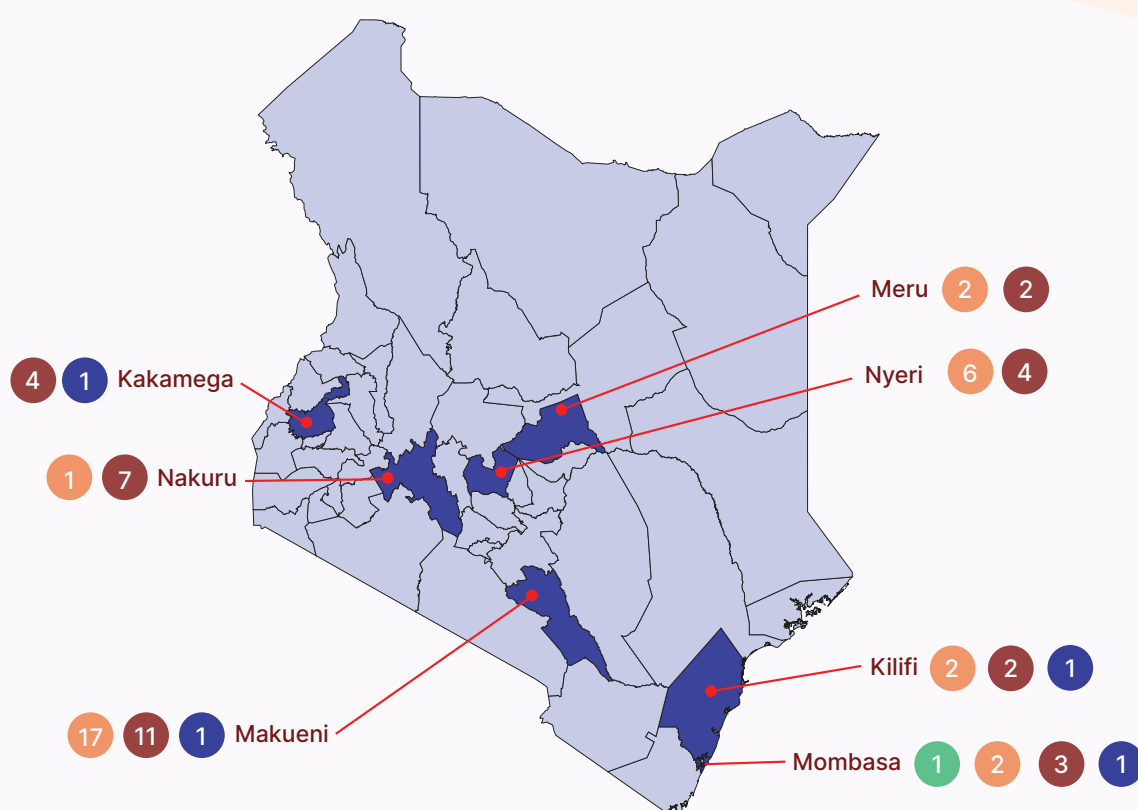
SPICE Connect

Is at the core of our strategy for integration and partnership within the technology ecosystem. Our ongoing work on easy-to-implement and standards-based integrations from national level reporting systems like DHIS2 and EMRs to other technology platforms sets us apart. We aim to build a collaborative tech ecosystem wherever we work.

Kenya, Empower Health



Distribution of Spice Supported Facilities by County



Key

- Level 1** ▶ Community Units, 98
- Level 2** ▶ Dispensaries, 3
- Level 3** ▶ Health Centres, 28
- Level 4** ▶ Primary Referral Units, 32
- Level 5** ▶ Secondary Referral Units, 4

Partners

HEALTH SYSTEMS PARTNERS

- ▶ Ministry of Health, Kenya
- ▶ County and Local Governments

FUNDING PARTNERS

- ▶ World Diabetes Foundation
- ▶ Novo Nordisk
- ▶ PATH

Tanzania, Afya Imara

74,641

29,634

19,204

9,151

12,762



Patients
screened



Patients
referred



Patients
enrolled

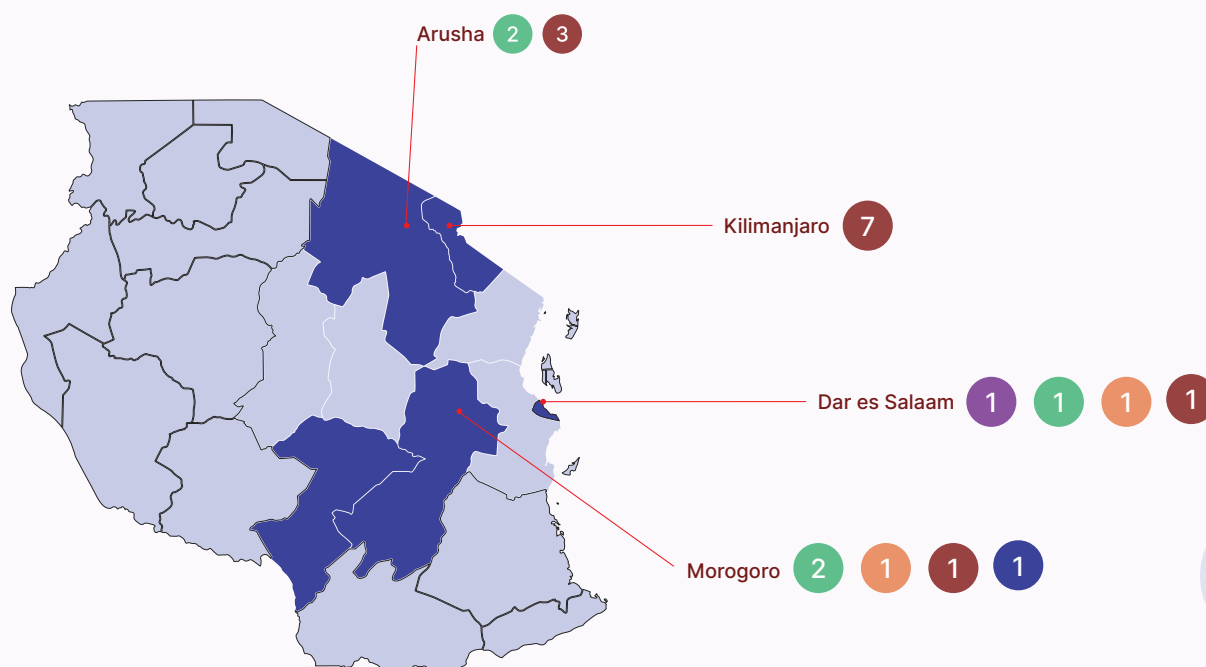


Patients active
in care



Patients lives
improved

Distribution of Spice Supported Facilities by Province



Key

Level 1 ▶ District Hospital, 1

Level 2 ▶ Regional Referral Hospital, 5

Level 3 ▶ Zonal Level, 2

Level 4 ▶ National Level, 12

Level 5 ▶ Secondary Referral Units, 1

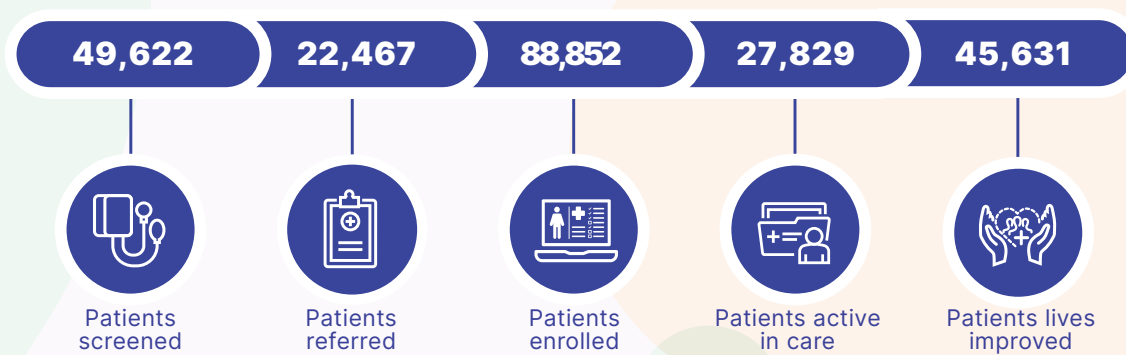
Partners

HEALTH SYSTEMS PARTNERS

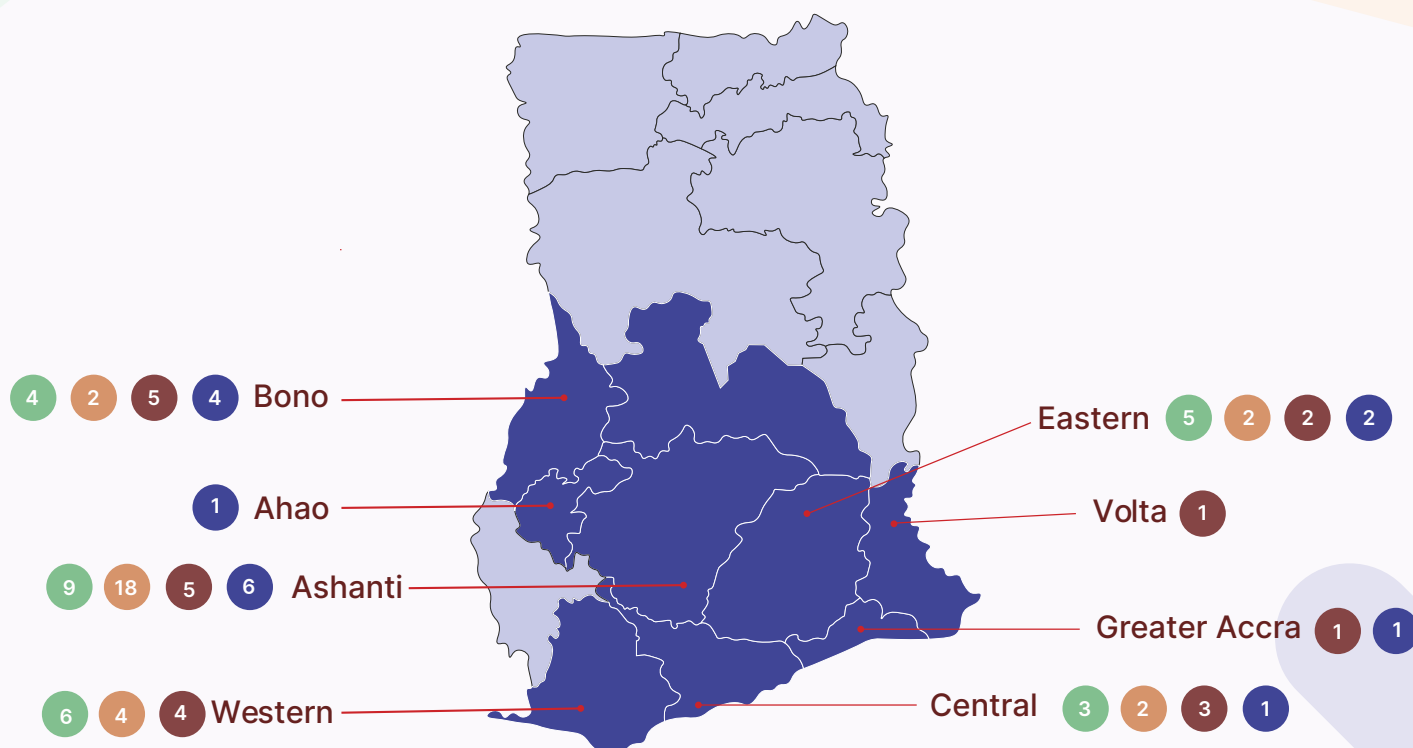
▶ Christian Social Services Commission (CSSC)

FUNDING PARTNERS

▶ Sanofi Global Health Unit
▶ Medtronic LABS



Distribution of Spice Supported Facilities by Region



Key

- Level 2 ▶ Sub - District, 27
- Level 3 ▶ District Level, 28

- Level 4 ▶ Regional Level, 21
- Level 5 ▶ Tertiary Level, 15

Partners

HEALTH SYSTEMS PARTNERS

- ▶ Christian Health Association of Ghana (CHAG)

FUNDING PARTNERS

- ▶ GIZ, Federal Ministry of Economic Cooperation and Development, Germany (BMZ)
- ▶ Novo Nordisk

Sierra Leone, Betteh Lyfe

23,485



Patients
screened

11,441



Patients
referred

11,042



Patients
enrolled

5,463



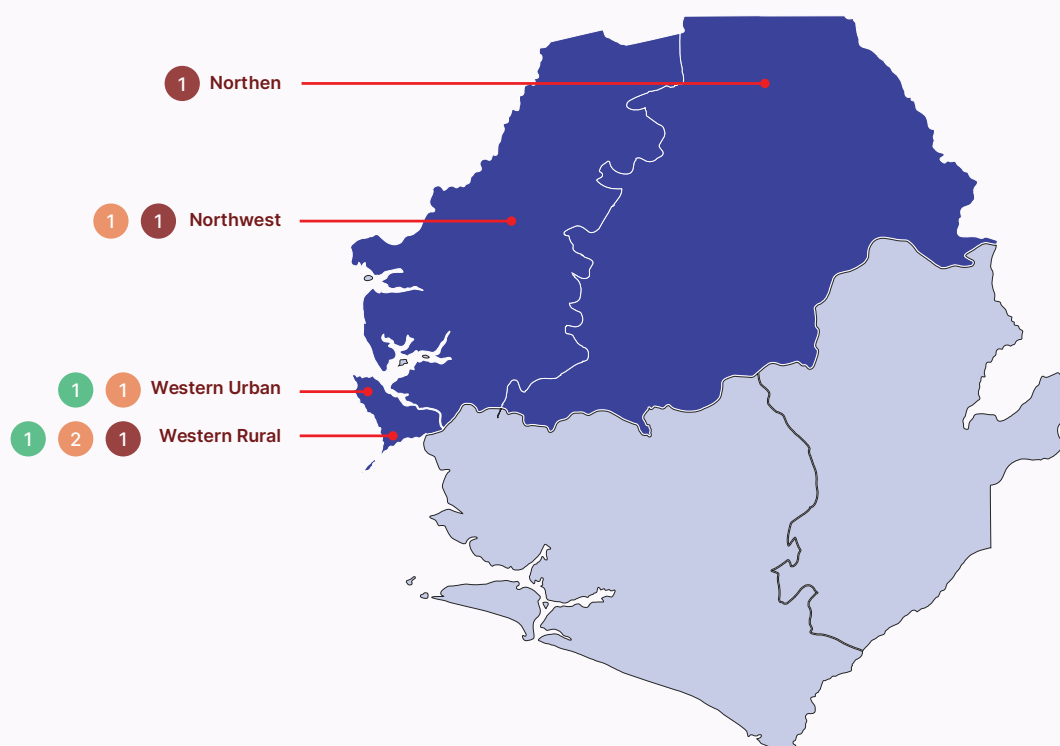
Patients active
in care

7,901



Patients lives
improved

Distribution of Spice Supported Facilities by Region



Key

- Level 2 ▶ Primary Care, 2
- Level 3 ▶ Secondary Care, 4

- Level 4 ▶ Tertiary Care, 3

Partners

HEALTH SYSTEMS PARTNERS

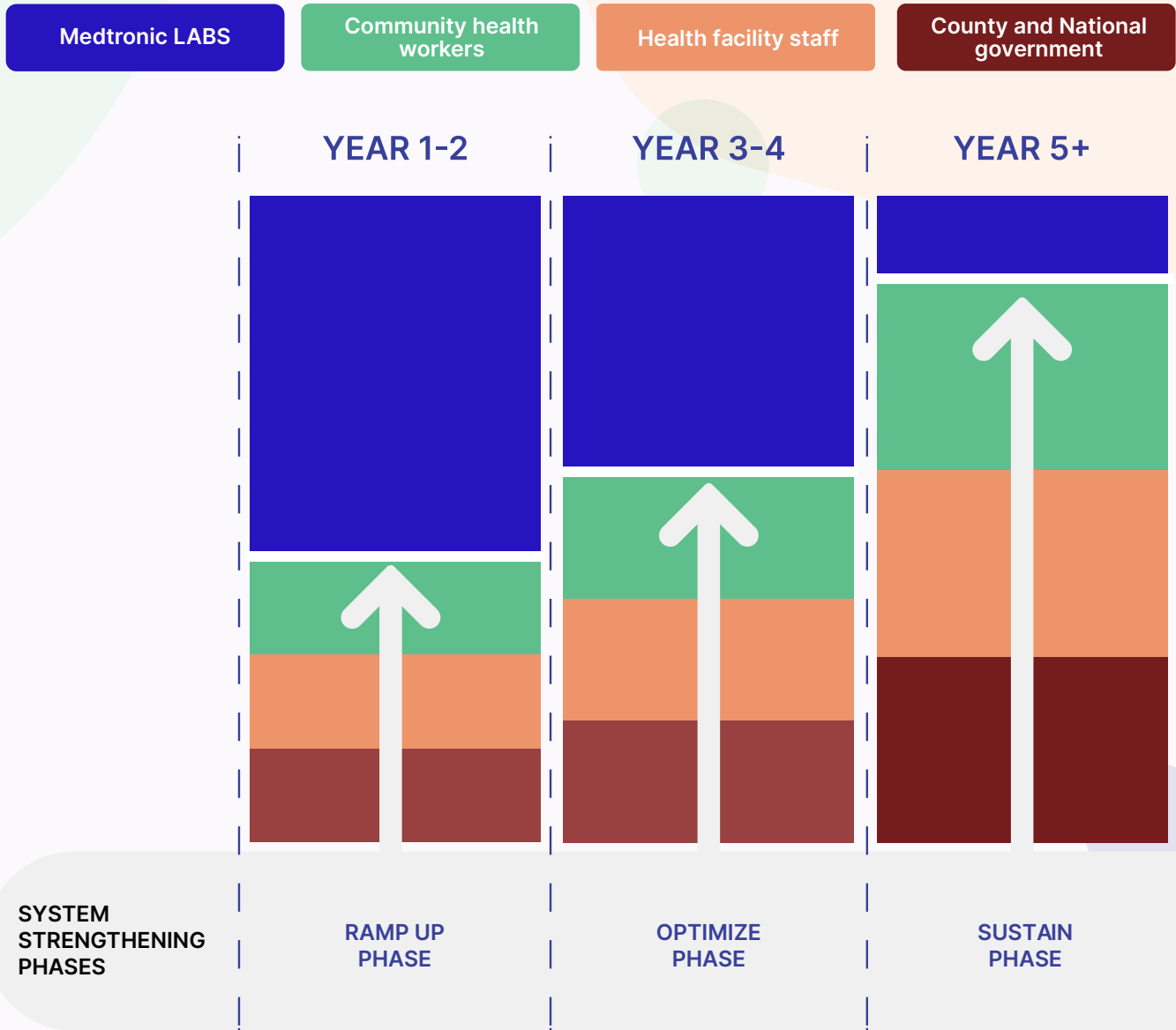
- ▶ Christian Health Association of Sierra Leone (CHASL)

FUNDING PARTNERS

- ▶ Sanofi Global Health Unit
- ▶ Bill & Melinda Gates Foundation
- ▶ Medtronic LABS

Sustainability Framework

To execute on our approach to sustainability, we will support health system functions in building capacity so that the mix of activity ownership transitions from Medtronic LABS to health systems and Ministries of Health over time.



Medtronic LABS

Global health, local solutions



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