



Co-Creating the Future of Healthcare and the Economy through Japan-Africa Partnerships

**Unlocking the Potential
of Japanese Innovation in Africa**

Introduction

Building an Equitable and Sustainable Partnership between Japan and Africa

Japan has long established a cooperative relationship with African countries based on the principle of supporting development led by African countries themselves, with the shared goal of promoting regional stability and prosperity. In the field of health and medical care, Japan has worked through both public and private sectors under the Africa Health and Wellbeing Initiative and the Global Health Strategy to strengthen infrastructure and develop human resources in African countries. These efforts have fostered trust at both governmental and private levels.

As African countries continue to play a more prominent role on the global stage, it is increasingly important to support their autonomous efforts to address health challenges. Building equitable partnerships is essential to achieving sustainable growth for both Japan and African countries.

This brochure highlights initiatives from Japan's health and medical industries that contribute to innovative solutions for health challenges and support capacity development in Africa.

We hope it will serve as a catalyst for fostering new partnerships and inspiring further collaboration between Japanese companies and stakeholders across the African countries.

H.E Mr. Hideo Suzuki
Ambassador for Global Health
Executive Director for Healthcare Policy,
Cabinet Office



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Africa Health and Wellbeing Initiative and Japan's Global Health Strategy

At TICAD 7 in 2019, the Prime Minister of Japan announced the launch of Africa Health and Wellbeing Initiative (AfHWIN) in his keynote speech, with a view to contributing to a self-sustaining ecosystem of medical treatment and health in Africa by leveraging Japan's knowledge and technologies. Since then, the Government of Japan has been implementing AfHWIN to promote vibrant and healthy societies across Africa, enabling people to lead long and productive lives by addressing the growing demand for better health and advanced medical care through collaboration with relevant ministries and organizations.

The Government of Japan announced its Global Health Strategy in 2022, amid the COVID-19 pandemic. The Global Health Strategy aims to strengthen prevention, preparedness and response (PPR), and to achieve more resilient, more equitable and more sustainable Universal Health Coverage (UHC).

In February 2025, the Government of Japan unveiled its Healthcare Policy, which includes a commitment to promote the Asia Health and Wellbeing Initiative (AHWIN), AfHWIN and Japan's Global Health Strategy in tandem. This policy aims to foster innovation, strengthen supply chains, and contribute to global health through the services and expertise of Japanese companies. Building on the above policy and initiatives, the Government of Japan will support the efforts of Japanese companies to develop business in the African healthcare market from a medium- to long-term perspective, focusing on the future potential of the healthcare market on the African continent.

Comments from expert



Osamu Kunii

Global Health Innovative Technology Fund (GHIT Fund)
CEO and Executive Director

I have been engaged in Africa for over 30 years and lived there for three years. I have witnessed its rapid development—some countries saw annual GDP growth over 10% and leapfrog advances like mobile money—alongside sharp drops in child and maternal deaths.

However, more than half of the population still lacks access to basic healthcare, and economic and health disparities are widening.

As international aid declines, private sector involvement is crucial. Now is the time for Japanese firms to invest boldly—beyond the fear of failure—and contribute both business value and solutions to Africa's social challenges.



Kenji Shibuya

Medical Excellence JAPAN (MEJ)
Chief Executive Officer

Africa's health landscape is changing fast, with challenges beyond the reach of aid alone. Yet its young population, digital leap, and local leadership highlight Africa's vital role in shaping the future of global health and growth. At this turning point, healthcare business and investment are essential. MEJ promotes both outbound (sharing Japan's healthcare) and inbound (welcoming patients, talent, and capital) to create lasting value. At TICAD9, we honor the bold efforts of Japanese companies partnering with Africa. MEJ will keep bridging Japan and the world through healthcare and shared purpose.



Mitsuo Takei

Director of Swanomori Hospital
CEO and Founder of GRANDFOREST JAPAN HOSPITAL

The driving force behind national development fundamentally lies in robust health and medical systems. To advance collaboration between Japan and African countries, Japanese companies need to navigate differences in social and legal systems, business cultures, etc. through gathering information, promoting mutual understanding with local counterparts, and engaging in CSR activities. African countries are also encouraged to foster enabling business environments. It is essential for the Government of Japan to lead efforts in promoting cooperation and healthy competition among Japanese companies operating in African countries, where business opportunities abound.

How to use this brochure

Search by contribution area:

This brochure introduces businesses that contribute to six key areas. Please refer to the categories below and explore the detailed pages of companies working in the fields you are interested in.

1 Training medical professionals and technology transfer	2 Improvement of healthcare logistics	3 Stable supply of medical and healthcare supplies	4 Digital transformation and improvement of the health system	5 Development of infrastructure for health and medical care	6 Financial and investment support for the medical and healthcare
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P	Name of Company	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Countries of Operation (incl. those under consideration)
8	AA Health Dynamics Co., Ltd.	●		●		●	●	Multiple countries
9	AAIC Investment Pte.Ltd.						●	Multiple countries
9	African Mothers Co., Ltd.				●			Tanzania
10	The Ajinomoto Foundation	●		●				Ghana
10	Allm Inc.				●	●		South Africa
11	Asahi Intecc Co., Ltd	●				●		Kenya
11	Connect Afya Ltd.	●	●	●	●	●		Kenya
12	Dr.Japan Co., Ltd.			●				Cote d'Ivoire
12	Eiken Chemical Co., Ltd.	●		●		●		Multiple countries
13	Eisai Co., Ltd.	●		●				Multiple countries
13	ELECOM Co.,Ltd.	●						DR Congo
14	Excelsior, Inc.			●		●		Uganda
14	FUJIFILM Corporation	●						Senegal
15	LIXIL Corporation			●		●		Multiple countries
15	Melody International Ltd.	●			●			Tanzania
16	NEC Corporation	●			●			Ghana
16	Olympus Corporation	●				●		Kenya
17	PHC Corporation	●				●		Zambia
17	SARAYA CO., LTD			●				Multiple countries
18	Shimadzu Corporation					●		Multiple countries
18	Shionogi & Co., Ltd.	●			●			Multiple countries
19	SOIK Corporation	●			●	●		Multiple countries
19	SORA Technology Co.,Ltd.				●	●		Multiple countries
20	SPHinX Inc.			●		●		Multiple countries
20	spiker ltd.	●			●			Multiple countries
21	SUCRECUBE Japon Inc.	●			●	●		Senegal
21	Sunda Technology Global					●	●	Uganda
22	Sysmex Corporation	●		●	●	●		Ghana
22	TAUNS Laboratories, Inc.			●		●		Multiple countries
23	Terumo Corporation	●				●		Multiple countries
23	TOPPAN Holdings Inc.		●	●	●			Nigeria
24	Toyota Tsusho Corporation			●		●		Multiple countries
24	TWINBIRD CORPORATION					●		Multiple countries
26	Joint Project 1	●			●	●	●	Kenya
27	Joint Project 2	●		●	●	●		Ghana
28	Joint Project 3		●	●				Kenya
29	Joint Project 4	●						Kenya

*Company names (in English) are listed in alphabetical order.

Project Overview

Kenya, South Africa



AA Health Dynamics Co., Ltd.
Medical Education on Point-of-Care and Medical Equipment Financing for African Doctors
<https://aa-health-dynamics.com/service>


Training Medical professionals Stable Supply of Medical Products Health Infrastructure Healthcare Finance & Investment

Supporting Sustainable Healthcare in Kenya through Education and Equipment Financing

Medical Training and Equipment Loans for Kenya

This project offers hybrid training to Kenyan doctors through online lectures and hands-on sessions with Japanese medical device makers and universities. Graduates earn CPD points. To help doctors apply their skills, we're building a loan scheme based on our own screening criteria, offering a flexible alternative to Kenya's high-interest, complex financing. This integrated approach tackles instructor shortages and equipment gaps in underserved areas.

Key public support programs utilized for the project:

Under Subsidy for J-Partnership Product/Service Development Support Project by METI

Initiatives and impact of public-private and private sector collaboration

Under the J-Partnership program, we launched a project using MedicScan to train physicians and address medical device shortages in Kenya and South Africa. Under METI's AfDX program, we conducted feasibility studies on digital healthcare and introduced medical devices.

Medical Education and Medical Device Financing in Kenya

POCUS-focused training and financing support for Kenyan healthcare workers in collaboration with Japan.



AAIC Investment Pte.Ltd.

Venture investment in start-up companies in the healthcare sector, a growing but challenging sector in Africa

<https://aaicinvestment.com/>




Healthcare Finance & Investment

Promoting innovation and improving healthcare in Africa through venture investment

Drive impact in African healthcare via investment

Through venture capital investment, we support over 60 healthcare startups tackling Africa's medical challenges. Operating two funds totaling approx. ¥12 B (US\$81M), we back innovators such as Rology, which addresses doctor shortages through AI diagnostics; Drugstoc, which transforms pharmaceutical logistics with transparency; and Revital, which promotes local production and aims to build medical supply hubs. By connecting Japanese expertise with African potential, we help build a sustainable future.

Initiatives and impact of public-private and private sector collaboration

The fund promotes PPPs with development banks, collaboration with growth support agencies (e.g. Project NINJA (Next Innovation with Japan), Home Grown Solutions (HGS) Accelerator program), joint investment with 6 Japanese companies, and strategic partnerships.



Startup investment in African healthcare

We invest in Africa's healthcare sector, focusing on growth-stage companies. We manage two funds totaling ¥12B (approx. US\$81M), with over 60 portfolio companies.



The Ajinomoto Foundation

Ghana Nutrition Improvement Project (GNIP)

<https://kokoplusfoundation.org/>




Training Medical professionals Stable Supply of Medical Products

A Sustainable Social Business Model Project Addressing Growth Stunting among Weaning-Age Infants through Local Government-Private Sector Collaboration

Ghana Nutrition Improvement Project (GNIP)

Stunting caused by inadequate nutrition during the first 1,000 days of life is irreversible. To address this issue, we started GNIP in 2009 to promote KOKO Plus®, an evidence-based nutritional supplement. To expand this challenge to reduce anemia among children aged 6 months to 10 years, we renewed the MOC with the Ghana Health Service (GHS) to promote a sustainable social business model through collaboration among public, private, and academic sectors in Ghana and Japan for long-term nutritional improvement.

Key public support programs utilized for the project:

ODA (Grants in Association with an International Organization), public-private partnership project aimed at enabling 250,000 people in Ghana to receive high-quality nutrition and health services


Initiatives and impact of public-private and private sector collaboration

Production and sales of KOKO Plus® in collaboration with local companies; implementation of nutrition education and supplement introduction in partnership with GHS; dissemination support by the Government of Japan, WFP, and IFPRI.



KOKO Plus®, an evidence-based nutritional supplement that can be mixed with weaning foods



An evidence-based supplement that can be mixed into complementary foods to combat stunting caused by nutrient deficiencies during the weaning period in Ghana.



African Mothers Co., Ltd.

Personal Health Record App Project for Building a Network of Pregnant Women's Information

<https://africanmothers.net>

Health System & DX

Reducing maternal and perinatal mortality by increasing antenatal visit frequency and providing maternal education content

Reducing Maternal Mortality via "Taarifa za Mama"

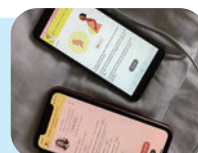
Tanzania faces a critically high maternal mortality rate of 524 per 100,000 live births (2017), mainly due to healthcare lagging behind rapid population growth. Antenatal care is limited—only 3–4 visits on average vs. 8 recommended by WHO—resulting in insufficient health guidance. African Mothers Co., Ltd. developed the "Taarifa za Mama" app to centralize maternity records, support pregnant women, and promote safer births by increasing checkup frequency and continuity of care.

Key public support programs utilized for the project:

Research Program on Practical Application of Health Technologies for Low Middle-Income Countries by AMED (Lead institution: Melody International Ltd.)

Initiatives and impact of public-private and private sector collaboration

Supported by AMED's program and METI's subsidy (The present name: Subsidy for J-Partnership Product/Service Development Support Project), the project benefits from collaboration with Hiroshima University and Muhimbili University, enabling effective on-site implementation and promotion.



Taarifa za Mama ("Mother's Record")

This app improves consultation efficiency and provides self-learning opportunities for pregnant women, contributing to safe childbirth. It is utilized in prenatal care, with approximately 1,000 active users.



Allm Inc.

Provide medical care by utilizing IoMT in healthcare provider shortage areas and in times of disaster

<https://www.allm.net/solutions/join-mobile-clinic/>




Health System & DX Health Infrastructure

Eliminating healthcare disparities and mismatches through ICT, aiming for equitable medical welfare for all

Quality healthcare even where no hospitals exist

Join Mobile Clinic is a telemedicine solution that connects portable medical devices to a doctor network via smartphones, tablets, or PCs. By integrating the JoinNotePad patient record system and the Join communication app, it enables hospital-level care outside physical hospitals, even in areas without infrastructure. Easily transported in a dedicated suitcase, it supports specialized and disaster care in medically underserved regions. Pilot projects are underway in the Philippines, Brazil, and Chile. We are focusing on the telemedicine market in Africa, aiming to expand our solutions by leveraging our experience in providing tele-medicine in emergency and disaster areas, implementing health checkups for schoolchildren in Asia and Latin America, and proposing solutions rooted in local healthcare challenges.

Key public support programs utilized for the project:

Global South Future-Oriented Co-Creation Project by METI

Initiatives and impact of public-private and private sector collaboration

Japan Heart, the international medical care volunteer organization, medical institutions such as PGH in the Philippines, and local governments in Brazil and Chile collaborate to connect specialists with local healthcare providers, contributing to the advancement of regional care.

Join Mobile Clinic

It is a telemedicine service using smartphones, tablets, and PCs, linking portable devices with doctors to enable remote care and create virtual hospitals.



Asahi Intecc Co., Ltd
Establishment and operation of catheter treatment facilities in developing regions of Africa
<https://www.asahi-intecc.co.jp/en>




Training Medical professionals Healthcare Logistics Stable Supply of Medical Products Health System & DX Health Infrastructure

To promote endovascular treatment to provide more patients in the region with access to catheterization procedures

Operating a cath lab with a local hospital

Asahi Intecc launched a catheterization laboratory (cath lab) in Feb 2024 through a joint venture with Eldoret Hospital in western Kenya. The lab offers 24-hour services for coronary, peripheral, neuro, and abdominal vascular conditions, and has treated 225 patients as of June 2025. Given the high specialization required to manage such facilities, hospitals across Africa have requested support from Asahi for new cath lab setups. We remain committed to expanding catheter-based care.

Key public support programs utilized for the project:
Project for the Promotion of the Global Expansion of the Healthcare Industry by METI


Initiatives and impact of public-private and private sector collaboration


With backup from Project for the Promotion of the Global Expansion of the Healthcare Industry by METI, we conducted on-site research, which enabled us to provide our joint venture hospital with the necessary support to successfully set up and operate the catheterization lab.




Medical devices for minimally invasive endovascular treatments. (Guidewires, micro-catheters, etc.)

Our primary focus is on endovascular procedures for the coronary, neuro, peripheral, and abdominal vasculature. Our devices are developed, manufactured, and sold in 110+ countries.



Dr. Japan Co., Ltd.
A sustainable medical care project using negative pressure wound therapy in an area with inadequate medical infrastructure
<https://www.drjapan-jp.com/en>




Stable Supply of Medical Products

Toward shortening the treatment time for skin ulcers through a versatile, low-cost, lightweight, and simple treatment system

Non-electric wound therapy system for Africa

In many African countries, severe skin ulcer diseases like Buruli ulcer remain widespread. Advanced treatments used in developed nations are often incompatible with limited healthcare infrastructure. Currently, symptomatic care—cleansing, ointments, and dressings—is common, but a fundamental solution is still needed. We are developing a locally adapted NPWT system. Field research in Côte d'Ivoire revealed needs beyond ulcers, including trauma care. We aim to launch in 2028 and expand use across Africa.

Key public support programs utilized for the project:
Research Program on Practical Application of Health Technologies for Low Middle-Income Countries by AMED

Initiatives and impact of public-private and private sector collaboration

In the AMED project, a network was built with Côte d'Ivoire's Buruli ulcer team through collaboration with Japanese medical institutions. Local needs and conditions were surveyed at hospitals. Joint development with a local university hospital is under consideration.



Manufacture, sale and import / export of medical devices. Specialized medical needles (such as anesthesia needles and biopsy needles), dental products, radiation protection equipment, and infection control products

Anesthesia needles are exported to over 30 countries including Africa, with 75% of total sales overseas. Based on ISO13485, the company provides one-stop service to meet customer needs.



Connect Afya Ltd. (Operating in Kenya as CA MEDLYNKS)
Building medical infrastructure through the development of world-class diagnostic services and medical-private partnerships
<https://www.connectafya.com/>

<https://camedlynks.com/>




Training Medical professionals Healthcare Logistics Stable Supply of Medical Products Health System & DX Health Infrastructure

Establishing high-quality diagnostic infrastructure at the local level, covering health checkups to sequencing technologies, and providing services directly to the community

Building World-Class Medical Infrastructure

Backed by Japanese expertise, we have operated in Kenya since 2018, integrating clinical labs, clinics, and medical device distribution. In response to limited local infrastructure and reliance on overseas testing, founder Shimada established a lab to enable advanced diagnostics locally. Before the COVID-19 pandemic, we were among the few private labs offering PCR testing. In 2024, we opened East Africa's largest private lab, supporting Kenya's health system and public-private collaboration.

Key public support programs utilized for the project:
Project for the Promotion of the Global Expansion of the Healthcare Industry by METI


Initiatives and impact of public-private and private sector collaboration


We serve 50+ hospitals, including Kenya's DoD group, and research institutions like Nagasaki University's Kenya office. We've partnered with Yamaha, Shionogi, Saraya, and Tauns Labs, providing clinical testing services and tuberculosis antigen kits.





Operation of clinical laboratories, clinics, and medical device distribution

We run East Africa's largest diagnostic center in Kenya, offering health checkups, genetic testing, clinical care, and device distribution as a Japanese company.



Eiken Chemical Co., Ltd.
Expanding program of diagnostics for tuberculosis using PURE-TB-LAMP
https://www.eiken.co.jp/en/ourfields/infection/lamp_operation/




Training Medical professionals Stable Supply of Medical Products Health Infrastructure

Contributing to Early TB Diagnostics and Treatment through "Easy, Rapid, and Accurate" molecular testing

Achieving sustainable healthcare

We joined the "Project for Expanding Program of Diagnostics for Tuberculosis Using PURE-TB-LAMP in Zambia," led by JIHS, which improved TB diagnosis, disseminated PURE-TB-LAMP, and trained 40 technicians. In Cameroon, Eiken Chemical's project demonstrated WHO's smear-testing replacement model and gained Global Fund. In Kenya, TB-LAMP debuted at TICAD VI in 2016. By 2019, it was registered and approved by the Ministry of Health and now operates in the national TB program.

Key public support programs utilized for the project:
Projects for Global Growth of Medical Technologies by JIHS




Initiatives and impact of public-private and private sector collaboration


Our efforts in Africa, supported by public-private partnerships like the Projects for Global Growth of Medical Technologies foster connections with Ministries, healthcare professionals, and researchers, which strengthen outreach and aid implementation.



PURE-TB-LAMP


Our proprietary LAMP method rapidly diagnoses tuberculosis by amplified target genes. It tests up to 14 samples at once and was endorsed by WHO in 2016 for its policy guidance.



Initiatives for the Elimination of Neglected Tropical Diseases (NTDs)

<https://www.eisai.com/>



Training Medical professionals

Stable Supply of Medical Products

Research, development, manufacturing and supply of medicines for the elimination of NTDs, including lymphatic filariasis (LF)

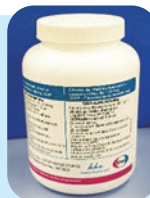
Initiatives for LF Elimination and NTDs

Since 2010, we have partnered with WHO to eliminate LF. Since 2013, we have been providing DEC tablets free of charge to endemic countries. In 2017, we pledged to continue free provision of DEC until LF elimination. As of May 2025, over 2.5 billion tablets have been provided to 32 countries, contributing to LF elimination in 8 countries. For mycetoma, we completed a clinical study with DNDi and are preparing for a new drug application in Sudan. For malaria, two compounds are currently under clinical trials.

Key public support programs utilized for the project:
Global Alliance to Eliminate Lymphatic Filariasis (GAELF)




Initiatives and impact of public-private and private sector collaboration


Eisai will continue supplying DEC tablets free of charge until LF elimination is achieved in endemic countries that need DEC. We joined the "London Declaration," a global effort aimed at elimination of NTDs.



Research, development, manufacturing, sales, and import/export of pharmaceuticals


As a research-driven pharmaceutical company, Eisai gives first thought to patients and the people, and increase the benefits that healthcare provides to them.



Promoting Neonatal Resuscitation Simulation Training with IoT device

<https://www.elecom.co.jp/r/s758>



Training Medical professionals

Education for All lives: Affordable, Simple, and Efficient Simulation Training

Promoting Neonatal Resuscitation Simulation Training

With SOIK Corporation, we introduce our product to neonatal resuscitation simulation training programs in the Health Department of Kenge District and other medical/education institutions. We aim to enhance training quality for healthcare providers and students while reducing instructors' workload by "Saving Baby". Even under physical and human resources constraints, our product enables low-cost, hands-on training. Trainees confirm instructor-set vitals via auscultation and simulated monitors.

Key public support programs utilized for the project:
Project for the Promotion of the Global Expansion of the Healthcare Industry by METI




Initiatives and impact of public-private and private sector collaboration


With the support from MIC, Kyoto University and Ritsumeikan University, we co-developed the product and conducted a feasibility study in the DRC supported from METI. Additionally, we collaborate with SOIK Corporation for its local implementation.



Neonatal Resuscitation Training Device "Saving Baby"


The Bluetooth stethoscope and the App provide affordable and efficient neonatal training simulation training.



Infection control and sustainable soil regeneration using a tablet-based treatment solution for toilets and infectious medical wastewater

<https://www.excelsior-inc.com/english/>



Stable Supply of Medical Products

Health Infrastructure

Healthcare, infection prevention, sanitation, water protection, zero CO₂ emissions, and sustainable reuse of human waste through soil regeneration and agricultural application

High-Performance Waste Agent for Infection Control

A unique tablet-type excreta treatment agent excelling in sterilization and deodorization, developed with Chiba University Hospital. Used as emergency toilets during disasters like Fukushima and Kumamoto, proven effective against E. coli, cholera, and viruses. Treats medical wastewater, with processed waste composted via earthworms. Research explores non-incineration methods and is applied in Uganda with JICA to prevent infections. Future use includes remote areas, mountains, and space settlements.

Key public support programs utilized for the project:
SDGs Business Supporting Survey by JICA




Initiatives and impact of public-private and private sector collaboration


Under JICA's program, a Uganda survey showed 100% elimination of E. coli, cholera, and viruses through joint research with Chiba University. Successful disinfection tests were conducted at Murago National Hospital, and the results were published in a scientific paper.



Ho! Toilet / IN-DASH / Mt. Fuji Toilet


The world's only tablet-type excreta treatment agent excelling in sterilization and deodorization, developed with Chiba University. Treated waste can be composted using earthworms.



Providing endoscopy training programs for local doctors in Africa

<https://www.fujifilm.com/jp/ja/healthcare>



Training Medical professionals

Medical training and educational activities

Takumi Project (Endoscopy Skills Training for Physicians)

In Africa, population growth and economic expansion has increased the demand for healthcare, revealing a severe shortage of gastrointestinal endoscopists. High-quality training is essential for developing skilled endoscopists, and distributing medical equipment won't suffice. To address this, we collaborating with Mikoto and doctors from Japan and France to enhance skill development in Africa. We will set up endoscopy training programs in Senegal, following an agreement with a local hospital.

Key public support programs utilized for the project:
Projects for Global Growth of Medical Technologies by JIHS


Initiatives and impact of public-private and private sector collaboration

In Kenya, with GRAND FOREST JAPAN HOSPITAL as part of a METI's project, we conducted a mobile medical examination using X-ray imaging and in vitro diagnostic equipment. In Senegal, we held an endoscopy training program with Hôpital principal de Dakar.



Medical Systems Business: Products and services that support medical facilities


We offer products and services supporting the medical field, including healthcare IT and advanced technologies like AI, MRI/CT, X-ray imaging, endoscopes, ultrasound, and IVD.



LIXIL Corporation

SATO: Award-winning social business helping to solve sanitation challenges worldwide

<https://sato.lixil.com/>



LIXIL **AfHWIN**

Stable Supply of Medical Products Health Infrastructure

Contribute to improve sanitation & hygiene and quality of life for people around the world by providing affordable and sustainable solutions

A Better Life, Every Day: SATO's Contribution

LIXIL is addressing the global sanitation challenge where billions lack access to safely managed toilets and handwashing. Through its social business SATO, LIXIL aims to improve sanitation for 100 million people by 2025. SATO provides affordable, low-water toilets and works with partners including UNICEF to build sustainable sanitation markets through local production, job creation and advocacy. To date, SATO has shipped 9.44 million units across 46 countries, improving sanitation for 82 million people.

Initiatives and impact of public-private and private sector collaboration


The 'Make A Splash!' shared-value partnership with UNICEF has improved sanitation for 16.3 million people in 6 countries through collaboration with governments and local businesses. LIXIL also supports humanitarian aid with partners like PEACE WINDS JAPAN.

SATO

SATO provides affordable, low-water sanitation solutions to reduce health risks in underserved areas. Over 9.44 million units have been shipped to 46 countries.




LIXIL Make Better Homes A Reality For Everyone, Everywhere



Melody International Ltd.

Development of a mobile SNS-linked foetal monitor aimed at reducing perinatal mortality

<https://www.melodyi.net/products-service/>



Melody International **AfHWIN**

Training Medical professionals Health System & DX

A project to reduce maternal and child mortality rates by combining remote foetal monitoring, mobile clinics, and e-MCH handbooks

Eliminating medical disparities in obstetrics by utilizing a proprietary remote foetal monitor

To address maternal and child health issues in Tanzania, this project enhanced access to prenatal checkups and strengthened medical professionals' skills using ICT. Applying bio design methods, we identified local needs and developed the mobile foetal monitor iCTG and a linked app. The initiative encouraged clinic visits, provided midwife education, improved foetal abnormality detection, and boosted checkup attendance. It aims to deliver quality care and save lives across Africa.

Key public support programs utilized for the project:


Research Program on Practical Application of Health Technology for Developing and Emerging Countries by AMED

Initiatives and impact of public-private and private sector collaboration

Hiroshima University leads maternal and child health research in Tanzania, verifying needs and clinical relevance via mobile clinic demos with Muhimbili University. Castalia developed apps for midwifery education and maternal health linked to foetal monitors.

Melodyi perinatal telemedicine platform and iCTG mobile foetal monitor


iCTG is a mobile foetal monitor that shares foetal conditions remotely. It reduces medical disparities via ICT and is used in 16 countries worldwide, and Listed in WHO Compendium.

NEC Corporation

Digital Health Project using App for maternal and child health checkup and NCDs screening support

<https://www.nec.com/en/global/sdgs/innovators/project/article10.html>



NEC **AfHWIN**

Training Medical professionals Health System & DX

Towards proving more efficient and reliable health services and capacity building

Co-creation projects with international organizations

With WFP, NEC's app enabled efficient checkups and nutrition counseling, improving maternal and child health and providing job aids for health workers. A successful trial with The Ajinomoto Foundation and Sysmex began in Ghana in 2022. Separately, With UNDP, NEC's non-communicable diseases (NCDs) screening app supports Ghana's digital health system, enhancing service delivery. The project is in collaboration with The Ajinomoto Foundation and Sysmex.

Key public support programs utilized for the project:

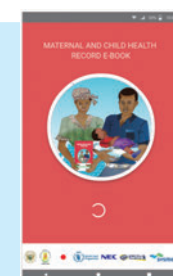
ODA (Grants in Association with an International Organization) (WFP/UNDP Project)

Initiatives and impact of public-private and private sector collaboration

Both projects are funding supported from Japanese government and are public-private partnership projects in collaboration with The Ajinomoto Foundation and Sysmex, as well as Ghana Health Service (GHS).

Digital Health Checkup Mobile Application

Our app helps health workers provide appropriate and efficient health checkups, guide lifestyle changes, and support early detection, prevention, and behavior change.




Olympus Corporation

Human resources development for gastrointestinal diseases in Kenya (Endoscopy)

<https://www.olympus-europa.com/medical/en/Products-and-Solutions/Products/Product/EVIS-X1.html>



OLYMPUS **AfHWIN**

Training Medical professionals Health Infrastructure

Achieving early detection and early treatment of cancer, contributing to the extension of healthy life expectancy for the people of Kenya

Human resources development for gastrointestinal diseases

We conduct educational activities on gastrointestinal endoscopy through industry-academia collaboration, aiming to develop human resources and improve care standards in Kenya. Promoting endoscopic diagnosis and treatment for early cancer detection, we strive to enhance health and extend the healthy life expectancy of the Kenyan population. This project also raises awareness of cutting-edge Japanese medical technologies and equipment, targeting their future dissemination and adoption in Kenya.

Key public support programs utilized for the project:

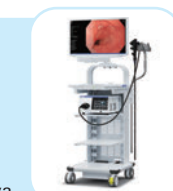
Projects for Global Growth of Medical Technologies by JIHS


Initiatives and impact of public-private and private sector collaboration

Promoting the project through collaboration between Japan and Kenya (Japan: Ministry of Health, Labour and Welfare, JIHS, Kyushu University Hospital. Kenya: Kenyatta National Hospital, Nairobi Gastroenterology Training Center).

Endoscopy system EVIS X1

EVIS X1 improves endoscopic accuracy, efficiency, and reliability, enabling early detection, diagnosis, and minimally invasive treatment of gastrointestinal and bronchial disorders.






PHC Corporation

Providing laboratory equipment for SATREPS project

<https://www.phcd.com/apac/biomedical>



Training Medical professionals Health Infrastructure

Contributing to stable research activities in Africa by providing reliable equipment

Ensuring stable storage of valuable reagents and animal tissue samples

PHC Corporation supplied ULT freezers, pharmaceutical refrigerators, and CO₂ incubators for the Science and Technology Research Partnership for Sustainable Development (SATREPS) project "Surveillance of Viral Zoonoses in Africa" led by the University of Zambia and Hokkaido University. Our reliable equipment supports local research by ensuring stable storage of costly reagents and valuable animal tissue samples, contributing to scientific advancement in the region.

Key public support programs utilized for the project:
Science and Technology Research Partnership for Sustainable Development (SATREPS)

Initiatives and impact of public-private and private sector collaboration

Under the AMED/JST and JICA-supported SATREPS program, PHC Corporation supplied laboratory equipment to Hokkaido University for joint research with the University of Zambia on viral zoonoses in Africa.

Laboratory and Medical Equipment (Ultra-low Temperature Freezers, Pharmaceutical Refrigerators, and CO₂ Incubators) *Biomedical Division Products

Optimal storage for reagents, drugs, and cells; incubation for microbes, cells, and plants.




Shimadzu Corporation

The Economic and Social Development Programme

<https://www.shimadzu.com/med/>



Health Infrastructure

Enhance measures being taken for the fight against COVID-19

Contribution to COVID-19 Response in African Countries

Strengthening medical systems became an urgent task due to the COVID-19 outbreak. Radiography Systems were delivered to Ethiopia, and Mobile X-rays to Ethiopia and Madagascar aiding local infectious disease diagnosis and supporting healthcare infrastructure. Medical imaging systems are crucial tools supporting the diagnosis and treatment of diseases but remain scarce in several African nations. We aim to leverage our medical imaging technology to further strengthen healthcare systems in Africa.


Key public support programs utilized for the project:
ODA (The Economic and Social Development Programme)

Initiatives and impact of public-private and private sector collaboration

We supplied through ODA of Japanese Government.

Medical X-ray Product


Radiography System is designed to be friendly to both patient and user. Mobile X-ray provides excellent forward visibility and smooth movement.

SARAYA CO., LTD

Contribution to Tackling the Neglected Tropical Disease "Jigger (Tungiasis)"

<https://global-health.jp/en/actions/saraya-tungiasis>



Stable Supply of Medical Products

A simpler, more effective treatment—delivered from Africa to the world

Treatment for Jigger Disease from Africa


Jigger disease, caused by sand fleas burrowing into the skin, is a WHO-recognized NTD, leading to severe itching, pain, and can cause fatal infections like tetanus. It affects 88 countries, mainly low-income areas in Africa, Latin America, and South Asia. In Kenya, 2 million people are infected. Saraya developed the world's first jigger-specific treatment using antiparasitic and skincare tech. Made in Uganda, it's registered in Kenya and aims to expand across Africa, India, and Latin America.

Initiatives and impact of public-private and private sector collaboration

We conduct clinical trials with Nagasaki University, and working with the Pharmacy and Poisons Board of Kenya (PPB) on its unprecedented approval process. To support adoption and awareness, we collaborate with the Kenya Ministry of Health and Ahadi Kenya Trust.

SARAYA JIGGER LOTION


World's first jigger treatment: fast, simple, effective. From Uganda to Kenya, and beyond.

Shionogi & Co., Ltd.

Mother to Mother SHIONOGI Project

<https://www.shionogi.com/global/en/>



Training Medical professionals Health System & DX

Maternal and child health support activities in Africa

Strengthening health systems in developing countries for UHC

Since 2015, the Mother to Mother SHIONOGI Project has worked with partners to reduce preventable maternal and child deaths by improving healthcare access and reducing childhood diarrhea with various partners. It supports three counties in Kenya with World Vision Japan, and since 2023, works in Ghana with the Japanese Organization for International Cooperation in Family Planning. In Tanzania, it develops a water, sanitation, and hygiene (WASH) education app with African Mothers Co., Ltd.


Initiatives and impact of public-private and private sector collaboration

As part of a digital health initiative in Tanzania, we are collaborating with African Mothers Co., Ltd. in the development of a PHR app for mothers while also integrating diarrhea prevention content to promote WASH education and encourage behavior change.



Ten years of work in Africa

With 147 years of history, SHIONOGI leverages its strengths as a research-based pharmaceutical company to create innovative proprietary drugs and maximize product value.






SOIK Corporation

Promoting Antenatal Check-ups through the Digital Maternal and Child Health Platform SPAQ

<https://www.soik.co.jp/en>


Training Medical professionals

Health System & DX

Health Infrastructure

Strengthening Maternal and Child Health Services in underserved area in Africa

Improving Access to Antenatal Checkups in Rural Clinics and Communities via SPAQ

SOIK is a digital health social startup based in Japan and the DRC. Our mission is to deliver high-quality healthcare to all mothers and children to reduce maternal and neonatal mortality in underserved areas in Africa. To maximize impact, we work hand-in-hand with frontline healthcare workers and local communities, grounding SPAQ in real-world challenges and needs to accelerate scalable and sustainable improvements in maternal and child health across Africa.

Key public support programs utilized for the project:
Global South Future-Oriented Co-Creation Project by METI

Initiatives and impact of public-private and private sector collaboration

In 2021, we signed a public-private partnership MOU with the Ministry of Health of the DRC. In 2023, SPAQ was officially adopted in the ministry's public healthcare facility equipment specifications. We also signed a procurement contract with the ministry and delivered 200 units.

SPAQ

The SPAQ, centered on a smartphone app, integrates AI and digital devices to deliver quality antenatal check-ups in underserved areas in Africa.





SORA Technology Co.,Ltd.




Project for the Establishment of a Malaria Vector Breeding Site Control System

<https://sora-technology.com/en/business/malaria/>


Health System & DX

Health Infrastructure

Creating mechanisms to prevent malaria infections by identifying mosquito larval habitats through technology

From On-site Trials to Business Implementation

We are implementing malaria prevention projects in Ghana and Sierra Leone utilizing drones and AI. Drones capture aerial images of water bodies that serve as breeding sites for mosquitoes, and AI analysis automatically visualizes high-risk locations. This enables the rapid surveying of wide areas that are difficult to assess manually, contributing to early intervention at breeding sites and improving the efficiency of larvicide application. In Ghana, pilot projects have been conducted in multiple districts in collaboration with local health authorities. Starting in 2025, based on the proven results in Ghana, we plan to roll out large-scale simultaneous deployments in multiple countries and regions, including Sierra Leone, Senegal, and Zanzibar.

Key public support programs utilized for the project:
SDGs Business Supporting Survey by JICA

Initiatives and impact of public-private and private sector collaboration

We have collaborated with local health authorities, international NGOs, international organizations, and research institutions to provide data and technical support for use in risk assessment and strategy development. We have also signed MOUs with local universities to support human resource development.

「SORA Malaria Control」

By identifying and visualizing mosquito larval breeding sites using drones and AI, we support more efficient malaria control. This approach enables faster and broader interventions than manual methods, has been proven effective in multiple regions across Africa, and is ideal for preventive infectious disease control led by health authorities, international NGOs, and international organizations.





SPHinX Inc.




Development and Global Deployment of a Rapid Diagnostic Kit Using "Smart ∞™" Technology

<https://www.sphinx-tsukuba.co.jp/>


Stable Supply of Medical Products

Health Infrastructure

Promoting the Use of Rapid Diagnostic Kits Independent of Medical Infrastructure

Hepatitis C Elimination via Rapid Testing

Hepatitis C treatment is affordable in many developing countries, but limited access to diagnostic tools like PCR hinders care. SPHinX Inc. developed "Smart ∞™," a simple, affordable, and precise diagnostic tool using smart polymer technology. Trials in Egypt and Nigeria show over 90% accuracy. Planned for market launch in 2026, it aims to improve hepatitis C diagnosis, treatment, and eradication. The adaptable technology also supports diagnosing other diseases, with expansion plans underway.

Key public support programs utilized for the project:
NEDO Entrepreneurs Program

Initiatives and impact of public-private and private sector collaboration

Our initiatives are funded by NEDO and AMED, alongside networking assistance provided by JICA. On-site activities are made possible through partnerships with the African Union and the Egyptian Liver Research Institute and Hospital, broadening our operational scope.

Rapid Diagnostic Kit "Smart ∞™" for Infectious Disease in Developing Countries

Smart ∞™ is a diagnostic kit serving as a PCR alternative, enabling accurate detection of hepatitis C. Trials are started in Egypt and Nigeria with limited medical infrastructure.





spiker ltd.




Create a World Full of Healthy New Borns-Perinatal AI Healthcare Initiative

<https://www.spiker.jp/kenya>


Training Medical professionals

Health System & DX

Improving Perinatal Care Worldwide Amid Healthcare Workforce Shortages

AI for Safer Childbirth in Limited-Resource Areas

Spiker, a Japan-based medical AI startup, works with hospitals in Kenya, Rwanda, and Uzbekistan to deploy the AI-based tool, AI Maternity Alert-Monitor, designed for fetal heart rate monitoring. By detecting abnormalities and sending real-time alerts, it enables timely care regardless of provider expertise, improving perinatal care quality and safety. This sustainable for-profit model also supports staff motivation and healthcare system enhancement.

Key public support programs utilized for the project:
Project for the Promotion of the Global Expansion of the Healthcare Industry by METI

Initiatives and impact of public-private and private sector collaboration

AI Maternity Alert-Monitor is implemented in several private perinatal care facilities in Kenya. In Uzbekistan, the largest private regional maternity hospital introduced our solution, improving overall medical standards. In addition to AI, we dispatch Japanese midwives to ensure safe childbirth.

AI Maternity Alert-Monitor

An AI software that detects fetal abnormalities and supports clinical decisions, enhancing safety and motivation in perinatal care worldwide.





SUCRECUBE Japon Inc.

The TUMIQUI Project: Establishing a Healthcare and Education Foundation in Africa with 3-in-1 Solar Technology

<https://www.sucrecube.co.jp>



SUCRE cube **AfHWIN**

Training Medical professionals Health System & DX Health Infrastructure

Empowering Off-Grid Communities: Bringing Light for Health, and Connectivity for Knowledge

Light for Life, Power for Learning

"A doctor holds a light in his mouth to deliver a baby." TUMIQUI Smart Kit is transforming this reality. In Senegal, solar units were installed in 10 clinics, ensuring safe medical care, powering portable devices, and improving access for 60,000 people. We expanded this model to digital learning in partnership with the Ministry of Education, introducing it to 20 schools. This success demonstrates the model's potential in training healthcare professionals and advancing maternal-child health education.


Key public support programs utilized for the project:
Commissioned project by MIC

Initiatives and impact of public-private and private sector collaboration

We signed an MOU with the Ministry of Health following the JICA mission. During the COVID-19 pandemic, we expanded our collaboration to the Ministry of Education. Our work is selected for a subsidy program by Japan MIC.

All-in-One Solar Power System: TUMIQUI Smart Kit


Solar power for safe clinics, portable devices, health system access, and digital learning, building a future of community health and education.

Sysmex Corporation

Cross-industry co-creation project to improve maternal and child health and nutrition in Ghana

<https://www.sysmex-europe.com/products/diagnostics/haematology/xn-31-malaria-diagnostics/>



sysmex **AfHWIN**

Training Medical professionals Stable Supply of Medical Products Health System & DX Health Infrastructure

Analyzing and visualizing the prevalence of anaemia and malaria across specific population groups in Ejisu District, Ashanti Region

Collaborative research with the GHS using XN-31

The Ajinomoto Foundation, NEC, and Sysmex conducted a project in Ghana to enhance maternal and child health. Sysmex used XN-31 to study anemia and malaria prevalence with the Ghana Health Service (GHS). The data analysis identified characteristics by hospitals and populations, such as children under five and pregnant women. It demonstrated the importance of this data in supporting local health policy development and further validated the practical utility of XN-31 for health initiatives.

Key public support programs utilized for the project:


ODA (Grants in Association with an International Organization), public-private partnership project aimed at enabling 250,000 people in Ghana to receive high-quality nutrition and health services

Initiatives and impact of public-private and private sector collaboration

This public-private partnership project, supported by Japan to the WFP, was carried out in collaboration with The Ajinomoto Foundation, NEC, Sysmex, and GHS.

Automated Hematology Analyzer XN-31


Malaria infection and anaemia status can be automatically determined with high accuracy in just one minute. This system aims to support prompt diagnosis and treatment decisions.

Sunda Technology Global

Prepaid water metering solution for sustainable water facility management

<https://www.sunda-global.com/en.html>



SUNDA **AfHWIN**

Health Infrastructure Healthcare Finance & Investment

Improve access to safe water in Africa

Prepaid water meter "SUNDA" – design to sales

Sunda Technology Global addresses water supply challenges in Africa. Based in Uganda, it offers the SUNDA—a prepaid water solution using mobile money to ensure transparent, fair, and sustainable water fee collection. Combining Ugandan engineer's ideas with Japanese manufacturing, the system works reliably in rural areas. Over 300 units have been installed, with public water tap implementations underway. Future goals include expanding across Africa for a continental sustainable water supply model.

Key public support programs utilized for the project:
Feasibility Study Project on Emerging Business Opportunities in African Market (AfDX) by METI

Initiatives and impact of public-private and private sector collaboration

In Uganda, over 300 SUNDA units have been installed mainly via projects with JICA, Rotary club and JCI. Cooperation with NGOs and local firms, we aim to expand sustainable water management and ensure reliable access to safe water in government-managed rural areas.

Prepaid water metering system for hand pumps and tap systems-SUNDA-


Prepaid water metering system via mobile money, ensuring sustainable access to safe water. Over 300 units installed in Uganda, delivering safe and reliable water supply.




TAUNS Laboratories, Inc.

TB antigen test targeting the TB-specific antigen

<https://www.tauns.co.jp/en/product/capilia-tb-neo/>



TAUNS **AfHWIN**

Stable Supply of Medical Products Health Infrastructure

This test kit enables highly sensitive, accurate, and simple testing for TB

Efforts to Promote the TB Diagnosis Kit and End TB

Following clinical trials by Foundation for Innovative New Diagnostics (FIND), Capilia TB-Neo became a WHO-endorsed product, succeeding its predecessor, Capilia TB. It is listed in catalogues like those of STOP TB Partnership and Global Drug Facility (GDF) and distributed via UN agencies, government tenders, and local distributors, enabling widespread usage. The product has been shipped to 19 African countries and has local distributors in Kenya, Zambia, and South Africa. We are developing an innovative TB test kit to support efforts to eradicate TB.

Key public support programs utilized for the project:

Research Program on Practical Application of Health Technologies for Low Middle-Income Countries by AMED

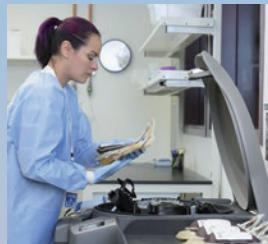
Initiatives and impact of public-private and private sector collaboration

Capilia TB-Neo has IVD approval in Kenya, Zambia, South Africa, and Japan. It is certified under Europe's IVDR and has regulatory approvals in several Asian countries, supporting its distribution and expansion across markets.

Capilia™ TB-Neo

This TB test kit is one of multiple methods essential to ensure TB is not missed. WHO-endorsed, listed in Japan's procurement catalog, and widely deployed in Africa and Asia.






Terumo Corporation



① Initiative to Establish Sickle Cell Disease (SCD) as a Public Health Priority in Sub-Saharan Africa (SSA)
② Initiative to Promote Minimally Invasive Cardiac Catheterization (PCI) and Improve Quality of Life for Patients with Ischemic Heart Disease (IHD)

<https://www.terumo.com/>



Training Medical professionals Health Infrastructure

- ① Addressing the public health challenges SCD in Sub-Saharan Africa
- ② Improving the QOL of IHD patients in Kenya

① Establishing the SCD Care Pathway ② Enhancing PCI Training and Training Environment

- ① Terumo promotes recognition of SCD as a national health priority through awareness, education, screening, diagnosis, treatment, and complication management. By leveraging proven technologies, Terumo strengthens healthcare systems, improves infrastructure, and creates value via collaboration.
- ② Terumo reduces patient burden by promoting minimally invasive treatments like PCI. Through training, trainer development, and Continuing Professional Development (CPD), Terumo enhances healthcare quality in Kenya.

Key public support programs utilized for the project:
Projects for Global Growth of Medical Technologies by JIHS


Initiatives and impact of public-private and private sector collaboration

- ① Subsidized Project by METI in 2024 and Entered into an MOU with Kenya MOH
- ② Training Commissioned by JIHS, PCI training collaborates with AA Health Dynamics (Japanese local training system company) from 2023 to 2025.


Medical equipment/ devices

Starting with thermometers, Terumo now offers catheter treatments, cardiac surgery, drug delivery, diabetes care, peritoneal dialysis, transfusion, cell therapy, and so on in over 160 countries and regions.






Toyota Tsusho Corporation



In Africa, we are primarily engaged in the following businesses:
1. Promotion of refrigerated vaccine transport vehicles connecting the Last Mile
2. Production, wholesale, and retail of pharmaceutical products
3. Introduction of Maternal and Child Health Handbooks and production and sales of sanitary napkins

<https://www.toyota-tsusho.com/>



Stable Supply of Medical Products Health Infrastructure

- 1. Contributing to protect the lives of children in developing countries by supplying refrigerated vaccine transport vehicles qualified by WHO standards (PQS) connecting the Last Mile
- 2. Contributing to improved access to high-quality pharmaceuticals in Africa
- 3. Supporting maternal and child health and the social advancement of women in Africa

Our Primary Engagements in Africa

- 1. Vaccine Cold Chain Vehicle Promotion: Standardizing WHO-standard (PQS) Vaccine Vehicles for +2~+8°C transport, reducing waste, improving efficiency, and delivering to remote areas.
- 2. Pharma Products: Expanding local production, wholesale, and retail to ensure access to quality medicines across Africa.
- 3. Maternal and Child Health Handbooks & Sanitary Napkins: Donated 810,000 handbooks to Angola with JICA since 2019. With Unicharm Corporation, providing sanitary products to improve hygiene and support women.

Initiatives and impact of public-private and private sector collaboration

- In collaboration with JICA, we promote the introduction of Maternal and Child Health Handbooks to protect the lives and health of mothers and children in Africa.
- Through partnership with Unicharm Corporation, we address women's hygiene challenges in Africa.

Business Activities: Domestic trade of various goods, import and export transactions, international trade, construction contracting, various insurance agency services, etc.

The Toyota Tsusho group delivers a diverse range of essential products and services worldwide, supporting prosperous societies and contributing to global environmental management.





TOPPAN Holdings Inc.



Project for the transparency of African Pharmaceutical Supply Chain by using RFID technology and data analysis

<https://solution.toppan.co.jp/theme/healthcare/>



Healthcare Logistics Stable Supply of Medical Products Health System & DX

This is to improve healthcare access and patient safety in Africa by eliminating counterfeit medicines and ensuring stable supply through highly accurate drug authentication and supply chain visibility.

Transparent Pharma SC & Anti-Counterfeit in Africa

TOPPAN's advanced solution streamlines pharmaceutical procurement, verification, and authentication through ID authentication technologies like RFID, partnering with local wholesalers. Consumers confirm medicine reliability via QR codes; manufacturers can offer rewards. It enables real-time supply chain monitoring and issue resolution. TOPPAN and its invested local wholesaler are developing a PoC for a secure supply system for Japanese and global companies entering Africa, focusing on Nigeria.

Initiatives and impact of public-private and private sector collaboration

Supporting companies entering Africa: Investing in Nigerian pharma wholesaler & EMR for data, we drive improvements in visibility & value. This ensures pharma marketing transparency and safe drug distribution throughout the African continent, solving healthcare issues.

BluShield collaborated with DrugStoc (a solution to improve safety and efficiency in the pharmaceutical supply chain)

TOPPAN's ID tech, including RFID, visualizes pharma supply chains, preventing counterfeiting and enabling real-time monitoring, to ensure safe, efficient distribution.





TWINBIRD CORPORATION



Last-one-mile support business for vaccine transportation with Free Piston Stirling Cooler Freezers

https://www.twinbird.jp/fpsc/products_sc-df25_en/



Health Infrastructure

SDGs: "Good Health and Well-Being"

Creating Vaccine cold chain in Africa

Vaccines are vital for preventing infectious diseases, mitigating severe illness, and building herd immunity. UNICEF reports that annual deaths of children under age 5 fell from 12.5 million in 1990 to 5 million in 2021 due to vaccines. Yet, many developing countries struggle with refrigeration and transport for vaccinations. TWINBIRD supplied vaccine freezers/refrigerators to Timor-Leste, Mozambique, Senegal, Mongolia, and Palestine via JICA's "Last Mile Support" project, supporting cold chain development in Africa.

Key public support programs utilized for the project:
ODA (The Programme for COVID-19 Crisis Response Emergency Support)

Initiatives and impact of public-private and private sector collaboration

As part of the Programme for COVID-19 Crisis Response Emergency Support by Japan, 22 Portable vaccine refrigerators of TWINBIRD were delivered to the Ministry of Health in Mozambique on April 1, 2022.

Portable Vaccine Freezer / Refrigerator

SC-DF25 Deep Freezer: A portable and vehicle model with Japan MHLW and WHO certifications. Proven performance with over 10,000 units adopted in various programs.





Overview of Joint Projects by Multiple Companies

Joint Project 1



AFRECO

Gcube



Improving Medical and Healthcare Services with Mobile Technology

Training Medical professionals

Health System & DX

Health Infrastructure

Healthcare Finance & Investment

Association of African Economy & Development (AFRECO)

While holding some study sessions on healthcare and implementing projects in Africa, we proposed the concept of AfHWIN to the Cabinet Secretariat in 2018. In this project, we propose appropriate policies and funding sources and introduce a medical platform and products developed by our member companies to JKUAT.

G CUBE CO., LTD.

We are a life science company specializing in advanced diagnostics. We develop, manufacture, and supply gut microbiota tests, SNP analysis, and in vitro diagnostic kits for infectious diseases. In this project, we provide ovulation and urine glucose/protein test kits and the platform to record and analyze results.

QUNIE Corporation

QUNIE will propose and support the implementation of digital strategies tailored to local needs to address healthcare issues in Kenya and Africa. We will support the establishment of business models and their implementation in the field, thereby contributing to the realization of sustainable healthcare.

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

JKUAT, established in 1981 by the governments of Kenya and Japan, plays a crucial role in strengthening Kenya's health system, providing the government with specialized knowledge and tools to achieve UHC. JKUAT will involve both fieldwork and the analysis of health systems and policies in this project.

Background of Partnership

Experts in healthcare, mobile technology, data processing, and finance have collaborated to initiate

this project to bring sustainable reform while raising public awareness. This initiative addresses funding shortages and resistance to external systems through cross-sectoral expertise and partnership.

Synergy created through partnership

Once fieldwork begins this summer, patients will become an integral part of the collaboration. With a new tool, they can manage their health. Hospitals and JKUAT can conduct evidence-based decision-making. Additionally, the government can present e-health policy outcomes and implement appropriate projects.



To Strengthen the Infrastructure for Medical Information

Healthcare connectivity through mobile technology

Through hospitals, patients will receive testing kits. Results will be photographed using mobile phones and transmitted to hospitals. JKUAT will analyze data to identify trends, improve patient care and evidence-based decision-making, supporting the MOH's response strategies. We will also explore the gap between health policy objectives and the situation, propose appropriate policies and funding sources.

Description of Details of Public Scheme

AfDB has guided us in developing the content and pledged financial assistance. This enables Japan to transfer technology to JKUAT, which can serve as an inspection center, allowing the government to expand this initiative throughout Kenya.



Key public support programs utilized for the project: Policy and Human Resource Development Grant (PHRDG), AfDB

Joint Project 2



Cross-industry Collaboration Project to Improve Maternal and Child Health and Nutrition in Ghana

https://www.nec.com/en/press/202205/global_20220527_01.html



Training Medical professionals Stable Supply of Medical Products Health System & DX Health Infrastructure

The Ajinomoto Foundation (TAF)

TAF has the Ghana Nutrition Improvement Project (GNIP) from 2009 to improve nutrient deficiencies with an evidence-based supplement, KOKO Plus®. Joint efforts to encourage behavioral change by nutrition awareness and to promote the widespread use of the supplement is ongoing under the MOC with the Ghana Health Service (GHS).

Sysmex Corporation

Sysmex played a role in disseminating clinical testing to contribute to the early detection and early treatment of anaemia and malaria using the Automated Hematology Analyzer with Malaria Diagnosis function. Also, Sysmex strengthened the health system through human resources' development of healthcare professionals.

NEC Corporation

NEC developed a mobile app to support health checkups, nutrition instruction, capacity building among health workers, and behavior changes to improve maternal and child nutrition. The app enabled health workers to offer appropriate checkups and counseling. By collecting and using data, it also supports data-driven decision-making by government.

Background of Partnership

TAF has developed valuable networks with government agencies, partnerships across the public, private, academic, and civil sectors, and in-depth knowledge of local implementation fields through GNIP. By sharing information, we enable open innovation through cross-industry collaboration among Japanese companies.

Synergy created through partnership

The knowledge gained through the GNIP help advance GNIP and accelerate initiatives by NEC, ICT tools to promote behavioral change in mothers and children, and Sysmex, diagnostic technologies for early detection and treatment of anemia and malaria, and contributes to better maternal, child health and nutrition.



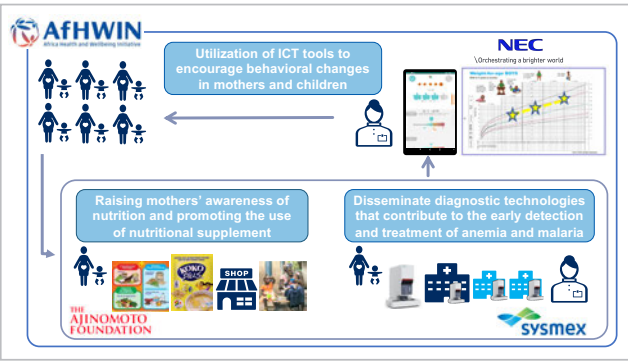
Creating an environment where pregnant women, mothers, and children can access quality nutrition and health services in Ghana

Public-Private Partnerships and Cross-Sector Collaboration for Improving Maternal and Child Nutrition

Utilizing grant aid provided by the Government of Japan to WFP Ghana, cross-industry collaboration (TAF, Sysmex and NEC) to improve maternal and child health and nutrition has been conducted under public-private partnership. By leveraging the know-how and networks developed through GNIP, this collaboration enhanced the effective use of funding and accelerates the social implementation of each initiative.

Description of Details of Public Scheme

WFP, the Ministry of Health in Ghana and GHS, the Government of Japan, and local implementing partner companies



ODA (Grants in Association with an International Organization), public-private partnership project aimed at enabling 250,000 people in Ghana to receive high-quality nutrition and health services

Joint Project 3



Healthcare Logistics Optimization Project through the Establishment of a Healthcare Logistics Hub in Mombasa (Dongo Kundu Special Economic Zone)

<https://www.mol.co.jp/en/pr/2024/24007.html>



Healthcare Logistics Stable Supply of Medical Products

Mitsui O.S.K. Lines Ltd. / MOL Logistics Co., Ltd.

MOL Group operates in Kenya through its local subsidiary and MOL Logistics' branch office, offering services like ocean transport, customs clearance, and warehouse management. In July 2023, we started warehouse operation in Nairobi to manage cargo, including pharmaceuticals, leveraging our global expertise to improve healthcare logistics in Africa.

Revital Healthcare (EPZ) Ltd.

Revital Healthcare, based in Kenya, is Africa's leading medical device manufacturer, producing 2.1 billion devices annually. Certified by ISO, CE, US-FDA, WHO-PQ & MDSAP, they export to 30+ countries, working with Gates Foundation, Africa CDC and international agencies including UNICEF, addressing healthcare needs in Africa.

Background of Partnership

Sub-Saharan Africa lacks logistics hubs for storing and assembling medical aid, forcing reliance on overseas facilities. Revital Healthcare's Kenya-made supplies often pass through Europe before reaching Africans.

Synergy created through partnership

We aim to build a logistics center in the Dongo Kundu SEZ, Mombasa, to consolidate medical supplies from Revital Healthcare and global sources. This hub will serve high-demand regions across Africa. By cutting transport costs, lead times, and carbon output, it will enable faster, more affordable delivery of essential health products.



Optimization of Healthcare Logistics

Establishing an African Healthcare Supply Chain through the Logistics Hub in Kenya

Sub-Saharan Africa lacks logistics centers for assembling and storing medical supplies, relying heavily on inefficient global supply chains. MOL Logistics and Revital Healthcare plan to build a logistics center in Mombasa, Kenya, launching in 2027. Starting with 2 warehouses for medical kit assembly and pharmaceutical repackaging, the facility will expand to 5 in the future. This initiative will significantly lower costs, shorten delivery times, and create 200-250 jobs, boosting Kenya's healthcare, regional trade, and economic development.

Description of Details of Public Scheme

The planned site for the warehouse construction, the Dongo Kundu Special Economic Zone in Mombasa, is being developed through Official Development Assistance (ODA) by JICA.





Support Project for Appropriate Use of Antibiotics in Kenya

Training Medical professionals

Shionogi & Co., Ltd.

SHIONOGI prioritizes improving healthcare access as a key issue, and strengthens collaborations with international partners. The company supports sustainable development by enhancing AMR treatment access and maternal and child health in Africa. This project aims to ensure quick delivery of antibiotics and appropriate use, through partner collaboration.

Nagasaki University

Nagasaki University is a leading center known for its quality and scale for infectious disease research and education in Japan. Its hospital actively contributes to infection care and control both within and beyond the hospital. In this project, they contribute to infectious disease treatment and human resource development through training.

Saraya Co., Ltd.

Saraya aims to build a prosperous global society through hygiene, environment, and health. In Africa, Saraya has been producing and selling hand sanitizers in Uganda and has supported infection control training in Kenya and other countries. This project leverages their expertise to establish infection prevention systems in healthcare institutions.

Connect Afya Ltd.

Connect Afya operates clinical laboratory services, medical equipment distribution, and clinic management in Kenya. In July 2024, it opened a major integrated lab in Nairobi, offering one-stop services from health screening to next-generation sequencing. This project leverages its expertise to establish diagnostic systems for appropriate antimicrobial use.

Background of Partnership

We have each contributed to addressing antimicrobial resistance (AMR). With the shared vision of expanding healthcare initiatives across Africa and tackling AMR in Kenya, we signed the comprehensive partnership agreement to support antimicrobial stewardship systems in healthcare institutions in Kenya.

Synergy created through partnership

Addressing AMR requires prevention, testing, diagnosis, and treatment. Saraya promotes infection prevention, Connect Afya strengthens diagnostics, Nagasaki University supports infection control with expertise, and Shionogi collaborates with GARDP and Kenya's Ministry of Health to improve AMR response.



Support for AMR Measures through Industry-Academia Collaboration

Partnership Agreement to Support AMR Measures

Under this agreement, the four parties will jointly launch and implement AMR research in Kenya, promote surveys and research in healthcare institutions, and foster international collaboration with the Kenyan government and GARDP. The project also focuses on training healthcare professionals in infectious disease control and antimicrobial stewardship to develop future AMR leaders.

Description of Details of Public Scheme

SHIONOGI collaborates with international organizations to enable access of drugs to many countries including all African countries. The collaboration includes provisions to develop a product, work with ministries of health and other experts to strengthen appropriate use of antibiotics.



List of abbreviations for public institutions and support schemes

	Abbreviation	Definition
A	AfDB	African Development Bank
A	AMED	Japan Agency for Medical Research and Development
G	GARDP	Global Antibiotic Research and Development Partnership
G	GHIT Fund	Global Health Innovative Technology Fund
J	JICA	Japan International Cooperation Agency
J	JIHS	Japan Institute for Health Security
J	JST	Japan Science and Technology Agency
M	METI	Ministry of Economy, Trade and Industry
M	MHLW	Ministry of Health, Labour and Welfare
M	MIC	Ministry of Internal Affairs and Communications
N	NEDO	New Energy and Industrial Technology Development Organization
S	SATREPS	Science and Technology Research Partnership for Sustainable Development
U	UNDP	United Nations Development Programme
U	UNICEF	United Nations Children's Fund
W	WFP	World Food Programme
W	WHO	World Health Organization

