About us

PATH is a global nonprofit dedicated to achieving health equity. With more than four decades of experience forging multisector partnerships, and with expertise in science, economics, technology, advocacy, and dozens of other specialties, PATH develops and scales up innovative solutions to the world’s most pressing health challenges.

Since 1978, PATH has been working with public and private partners in South Asia to develop local solutions, support homegrown innovation, and share our technical expertise. PATH is a trusted partner to both government and nongovernmental organizations for building innovative and agile health systems.

PATH in South Asia: In numbers

45+ years of strengthening public health

900+ staff working towards health impact

100M+ lives improved every year

Cover page: Members of Mahila Arogya Samiti, a local women’s collective envisaged under the National Urban Health Mission (NUHM) to enhance community action for health, nutrition, water and sanitation issues, as a part of decentralized health planning.
Key health areas

Family health
- Maternal, newborn, and child health (MNCH)
- Sexual and reproductive health
- Nutrition
- Respiratory care management

Infectious diseases
- Tuberculosis, HIV, and Hepatitis
- COVID-19
- Neglected tropical diseases (NTDs) and Malaria
- Acute encephalitis syndrome (AES)
- Cold chain and immunization

Vaccine and innovation access
- Vaccine development
- Vaccine policy, access and introduction

Technology, innovations, and health systems
- Primary health care
- Diagnostics and devices
- Surveillance, anti-microbial resistance, and pandemic preparedness
- Non-communicable diseases (NCDs)
- Climate change and health
- Supply chain management

Digital health
- Digital health infrastructure
- Digital tools for health programs
- Innovative digital technologies

Expertise in solutions:
- Advocacy and public policy
- Diagnostics
- Digital health and data systems
- Drugs
- Epidemic and pandemic preparedness and response
- Health system strengthening
- Infection prevention and control
- Knowledge management
- Market development
- Medical devices and health technologies
- Monitoring and evaluation
- Partnerships and collaborations
- Primary health care
- Public health and science communications
- Vaccination
Family health

PATH’s programs in family health address challenges in sexual and reproductive health; maternal, newborn, and child health; nutrition; and respiratory care.

Maternal, newborn, and child health

In India, PATH supports the government to catalyze innovative solutions that can improve MNCH. PATH adopted a continuum-of-care approach through interventions that are sustainable and can be scaled up effectively.

Under the MNCH Accelerator initiative—Saksham, PATH works towards improving access to high-quality MNCH services especially in remote and tribal areas, deploying a blend of expertise in capacity-building, private provider engagement, and industry and community participation. Through the Aavishkar Challenge, Saksham identified low-cost and high-impact innovative solutions that can contribute towards improving MNCH outcomes.

We also facilitated the formation of the National Technical Advisory Group (NTAG), a first-of-its-kind MNCH, adolescent health, and nutrition expert group to serve as a national platform to foster the sharing of experiences among a diverse set of stakeholders.

Under the Tools for Integrated Management of Childhood Illness (TIMCI) project, PATH works with primary health care providers to enable the use of pediatric-appropriate pulse oximeters and clinical decision support systems to detect severe illnesses among young infants and children.

Sexual and reproductive health

PATH aims to strengthen family planning supply chain management and works with the government to increase access to affordable, high-quality reproductive health supplies, contraceptives, and medicines. We have provided technical support to eight states in India to strengthen the supply chain of contraceptives. Innovative approaches like using Indian postal services, third-party logistics solutions, and frontline workers’ kits have helped ensure last-mile delivery and regular supply of contraceptives to far-flung areas.
In Myanmar, PATH worked with the local women’s network to address the growing need for information and services related to gender-based violence (GBV) and sexual reproductive health for migrant women.

**Nutrition**

PATH assists governments in improving nutrition and offers comprehensive technical, policy, and advocacy support, with a focus on community-based nutrition interventions.

PATH is a pioneer of rice fortification technology and has supported many countries like Myanmar, India and Sri Lanka in scaling up the rice fortification program, reaching over 900 million people globally. PATH India supports premier institutions to emerge as Innovation Hubs, to promote research and development, capacity-building, quality assurance and quality control, and evidence generation on food fortification. We also launched the ‘Global Rice Fortification Resource Hub’ known as ‘FortiRice’, a platform to share information and create an ecosystem that promotes local production, and the integration of fortified rice into food systems.

In India and Nepal, we provide technical support to establish Comprehensive Lactation Management Centers (CLMCs) that improve early and exclusive breastfeeding, provide safe donor human milk to at-risk babies, and increase the use of kangaroo mother care. We also help support the development of affordable and easy-to-use tools and technologies to increase access and uptake of human milk.

Considering the high burden of anemia in India, PATH conducted 360 degree assessments to identify barriers and facilitators in addressing the disorder. This involved analyzing gaps and patterns related to anemia diagnostics and treatment in both the public and private sectors. Our current efforts focus on scaling activities for anemia reduction, and formulating comprehensive national and state specific plans to tackle anemia.
Respiratory care management
Oxygen therapy is a key treatment for a wide range of conditions such as obstetric emergencies, premature birth, respiratory conditions like COVID-19, and pneumonia.

In India, PATH works closely with the stakeholders in the generation, procurement, deployment, operation, training, data use and maintenance of oxygen supplies across health facilities. To improve access to medical oxygen and the overall efficiency of health systems, we have implemented various initiatives such as Tele Sick Newborn Care Unit, solarization of pressure swing adsorption (PSA) plants, booster for oxygen supply chain system, set up of oxygen skill lab and oxygen concentrators banks, and NABL-accredited oxygen purity testing labs.

We are also a key member of the ACT-A COVID-19 Oxygen Emergency Task Force led by the World Health Organization (WHO) and have collaborated with various global experts to strengthen the respiratory ecosystem worldwide.

Key achievements
Through Saksham, PATH is benefitting 250,000 pregnant women, 25,000+ high-risk pregnancies, and 12,000+ small and sick newborns in intervention geographies, and improving their health outcomes.

PATH facilitated capacity-building for 11623+ rice millers, 352+ fortified rice kernel manufacturers, 4591+ food safety officials, and 8132+ government officials.

Over 1,350 PSA oxygen generation plants, with a cumulative capacity of nearly 770,000 liters per minute installed and commissioned across 23 states with PATH’s support.
Infectious diseases

PATH works to control and eliminate identified infectious diseases and address the challenges of COVID-19, hepatitis, HIV, malaria, neglected tropical diseases, tuberculosis, vector borne diseases and diseases causing acute encephalitis syndrome.

Tuberculosis, HIV, and Hepatitis

In India, PATH works closely with the Central Tuberculosis Division (CTD) and the National AIDS Control Organization (NACO) under the Ministry of Health and Family Welfare. We provide technical support to various states to implement innovative solutions, institutionalize sustainable engagement models, strengthen surveillance, train health care workers and synthesize available data, with focus on its quality.

We support the National Tuberculosis Elimination Program by implementing novel models for TB Preventive Treatment and strengthening the ecosystem for private sector engagement. Our groundbreaking and award-winning Public Private Interface Agency (PPIA) model engages private health care practitioners to provide high-quality TB diagnosis, treatment, and adherence support to marginalized populations in India. We also facilitate the adoption of digital solutions, including AI-enabled tools and accelerate coverage of patient support services.

We work towards increasing acceptance and adoption of self-testing for HIV and hepatitis. PATH supports NACO in strengthening data systems by building digital tools and dashboards. We support the State Aids Control Society in the northeast states and Mumbai on 95:95:95 targets for HIV.

COVID-19

To control and eliminate the gaps in testing for COVID-19, during the second wave in India, PATH worked with state governments to decentralize testing processes through a systems-strengthening approach. Specifically, we advocated for the adoption of newer testing technologies and rethinking existing technological solutions as part of a flexible testing strategy for the future.

Under the STAR Africa, Asia, Americas COVID-19 Preparedness (3ACP) project, we advanced timely diagnosis, effective care, and promoted measures to curb morbidity and mortality due to COVID-19. Focused on evidence generation, supply chain strengthening, guideline development, and service demand creation, the Indian segment of STAR 3ACP project bolstered pandemic response and fortified readiness for future health crisis.

Neglected tropical diseases and malaria

In India, PATH aims to reduce morbidity-mortality from NTDs and malaria, through a primary health care systems strengthening approach. We provide strategic technical assistance for early case detection, timely referral, and effective case management of NTDs like visceral leishmaniasis (VL), along with integrated vector management. Our work supports efforts on mass drug administration (MDA), morbidity management and disability prevention (MMDP) activities for elimination of lymphatic filariasis (LF).

In Myanmar, PATH explores partnership opportunities to develop digital tools and innovative systems to enable access to HIV and TB prevention, testing, and treatment solutions.
PATH provides strategic technical assistance to the state government of Uttar Pradesh to strengthen the capacity of medical officers and staff nurses for effective and early management of AES cases. We also support the state in planning, implementation, monitoring, and supervision to generate accurate and reliable data for decision-making.

We have worked for almost two decades with governments, manufacturers, and other partners across Asia and beyond to radically increase protection against Japanese encephalitis (JE). Notably, PATH joined forces with the Department of Health in Bihar, orchestrating a systematic approach to JE vaccine integration. Through phased campaigns, we facilitated the introduction of JE vaccine, culminating in its successful incorporation into India’s Universal Immunization Program.

**Immunization and cold chain**

PATH collaborates with governments, development partners and communities to bridge the immunization gap. We advocate for policy change to expand immunization coverage and provide strategic guidance to governments to enact policies that prioritize vaccination, securing a brighter, healthier future for generations to come. Through capacity-building and training programs, our work equips health care workers with the knowledge and tools to deliver vaccines with quality and safety.

When vaccines are exposed to temperatures above or below the recommended storage range, they can be damaged and potentially jeopardize immunization programs. PATH tested the scope for scalability of new cold chain technology equipment for the safe delivery of vaccines and enabling new and reliable cold chain equipment’s in regions that face unreliable electricity supply. We supported the development and WHO-PQS prequalification of freeze-safe vaccine carriers and cold boxes particularly suited to field conditions. Also supported field evaluation of intranasal vaccine delivery devices and micro array patches.

In Nepal, PATH conducted field evaluations of Freeze preventive vaccine carriers, freeze-preventive cold boxes, along with other innovative technologies, including intranasal vaccine delivery devices and micro array patches.

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**Key achievements**

Under PPIA and Joint Effort for Elimination of Tuberculosis projects, ~42,000 private providers were mapped contributing to 450% increase in private-sector case detection and ~260,000 beneficiaries were initiated on TB Preventive Treatment.

Case fatality rate due to AES dropped to 1.2% in 2023 as compared to 14% in 2017, as a result of continuous efforts by PATH. PATH also helped attain and sustain VL case incidence of less than 1 case per 100,000 population at the block level for the last 4 years in all the VL endemic blocks of Uttar Pradesh.

A total of 112,000 samples across 14 states were collected through PATH’s HIV self-testing study, demonstrating the feasibility of HIV self-testing service delivery models.
Vaccine and innovation access

PATH leverages decades of hands-on experience in multisector partnerships with local vaccine manufacturers and countries to advance and sustain country goals for immunization equity and vaccination coverage.

PATH’s Center for Vaccine Innovation & Access (CVIA)

CVIA accelerates the development and delivery of lifesaving vaccines for the most vulnerable children and communities around the world. We focus on deadly and disabling diseases that pose the greatest threats to long-term health and development.

Our goals:

- **Drive innovation and technology** to accelerate and optimize the development and introduction of vaccines and delivery technologies that meet the needs of low- and middle-income countries.

- **Advance a robust global market and supportive policy environment** to ensure sustainable supply and equitable access of vaccines.

- **Improve vaccine supply and affordability** by partnering with manufacturers on clinical development, quality systems, and regulatory strategies to meet international standards.

- **Support country-led efforts to advance health equity** by generating evidence for decision making and providing technical support to strengthen immunization system’s resilience.

- **Improve health and survival** by putting disease prevention within reach for more people, no matter where they live.

Vaccine development

CVIA spans every stage of the long and complex process of vaccine research, development, regulatory approvals, introduction, and delivery.

PATH’s vaccine development portfolio consists of over 24 vaccine candidates that are under various stages of development. CVIA’s work spans the entire vaccine development and delivery lifecycle.

Some of the most successful and impactful vaccines to come out of CVIA collaborations include vaccines for malaria, rotavirus, meningitis, human papillomavirus (HPV), typhoid, pneumonia, and JE, among others under some uniquely designed Public Private Partnership (PPP) models and global access provisions.

In Bangladesh, PATH partnered with Gavi, the Vaccine Alliance and the International Centre for Diarrheal Disease Research, Bangladesh (ICDDR,B), to introduce and scale up polio, pneumococcal, and HPV vaccines.
**Key achievements**

The rotavirus and pneumococcal conjugate vaccines manufactured by Indian vaccine manufacturers and pre-qualified by WHO with support from PATH, are now part of the Universal Immunization Program saving lives of thousands of children under five years of age.

Nine million vaccine vial monitors and auto disable syringes are now part of the immunization routine all over the world improving vaccine quality and injection safety.

Around eight million children in Uttar Pradesh and nine million children in Bihar received the JE vaccine in JE-endemic regions.

**Vaccine policy, access and introduction**

CVIA also works with policy and financing bodies such as the World Health Organization (WHO), Gavi, the Vaccine Alliance, Coalition for Epidemic Preparedness Innovations (CEPI), and UNICEF to shape global efforts that prioritize vaccine introduction and sustain strong delivery systems.

We also develop innovative vaccine technologies like microarray patches, vaccine vial monitors, and auto-disposable syringes that can improve vaccine access.

PATH also works towards strengthening immunization systems and establishing processes for the safe disposal of health care waste and needles along with gathering evidence to support scale up.
Technology, innovations, and health systems

PATH works towards strengthening public health systems through sustainable innovations and partnerships. We also have an expert system integrating platform called the Impact Lab to support the ‘Lab to Market’ journey of innovators.

Primary health care

PATH integrates and scales up health innovations to improve, access to basic health care services, and enable health systems’ resilience. We are working towards improving urban and rural primary health care outcomes by creating a robust system that seamlessly integrates with secondary and tertiary care facilities. Our work includes operationalizing Health and Wellness Centers (HWCs), capacity-building of health care staff, and promoting community participation.

We are working with the Government of Maharashtra to establish a model comprehensive primary health district in Satara district to enable access to stronger and integrated person-centred primary health care services. We use a human-centered design approach to deploy fit-for-purpose, evidence-based, and affordable innovations to enable the early detection of diseases and operationalize community platforms.

In five Indian states (Jharkhand, Manipur, Madhya Pradesh, Maharashtra, and Odisha), PATH works towards creating a responsive, affordable, and equitable urban health ecosystem. We provide technical assistance for establishing a network of urban primary health care centres, creating a continuum of care, strengthening community engagement platforms for decentralized planning, demand generation, concerted community mobilization, and co-designing innovative solutions.

Diagnostics and devices

PATH strengthens diagnostics services through transformative solutions and innovative devices. We extend technical assistance to the national and state governments in integrating these diagnostic tools into health systems by building their capacity, creating information, education, and communication material prototypes, and providing support in implementation and scale-up.

We are working across states to facilitate and fast-track the establishment of Integrated Public Health Laboratories (IPHLs) and Block Public Health Units (BPHUs) and strengthen the laboratory networks. We have conducted a physical assessment of over 100+ IPHLs and 250+ BPHUs and developed quality management systems for the laboratories. Our work includes leveraging whole genome sequencing for early identification of potential outbreaks and antimicrobial resistance.

We support our teams to integrate innovations in public health programmes. Additionally, we support in commercial market validation for innovative technologies including Redwing drone, Swaasa-AI based lung screening tool, Big-O-Health—an online platform for booking specialist health care, and Clinikk that provides subscription based 360-degree primary care virtually and through its state-of-the-art care centers. We have interacted with more than 800 innovators and collaborated with more than 100 domain experts and key stakeholders.
Through the PHC Tech Challenge, PATH identified and deployed 17 promising innovations for MedTech, digital health, and cold chain.

Surveillance, anti-microbial resistance, and pandemic preparedness

PATH in India supports the national and state governments in improving disease surveillance through the operationalization of surveillance units. We provide support in building strong and resilient health systems, complete with the laboratories, information systems, clinics, and well-trained staff to prevent, detect, and stop disease outbreaks.

We provide technical assistance to several states in preparing roadmaps and state action plans to tackle threats like anti-microbial resistance and rabies. Our work includes technical support for the rollout of the provisions under the rabies-free city initiative.

Non-communicable diseases (NCDs)

PATH works on mental health, cardiovascular diseases, cancer, and rare diseases within the NCDs domain. We evaluate new screening tools and methods, advance promising treatments, and open doors to early diagnosis and management of NCDs.

In Mumbai, PATH worked with the private sector to enable timely case detection and treatment for hypertension. We are supporting the implementation of the rare diseases policy in collaboration with AIIMS Delhi and supporting Centres of Excellence in advancing access to treatment for rare diseases. We also work on improving health outcomes for cancer in Kerala, focusing on prioritizing cancer in policy, funding stack, standardized care pathway, and district cancer control program.

We undertook landscaping of existing policies and programs for youth mental health and convened stakeholders towards a shared vision to improve youth mental health. We developed a suite of products for improving mental health literacy. PATH has partnered with Asian Development Bank to address gaps in NCD screening, monitoring, and management through feasible technology interventions at the primary health care level.

Climate change and health

PATH is establishing cross-disciplinary partnerships and providing technical assistance to state governments to strengthen action on climate change and health. PATH is creating a platform of technological innovations that can be deployed in health settings to promote health systems’ resilience to extreme climate change risks and related health effects.

We launched the ClimateXHealth challenge and identified 13 ready-to-deploy innovations. With CHRI, we launched the Sustainable Action for Climate Health or SACH alliance to promote climate-adaptive health systems, workplaces and communities. With the Commonwealth Secretariat, we launched the Accelerator for Resilience in Climate and Health (ARCH), a platform to fast-track the development, validation and deployment of innovations that address the extreme effects of climate change on public health across the 56 Commonwealth countries. We have created a pipeline of more than 127 innovations in this space.
Supply chain management

PATH is actively engaged in bolstering public health supply chains in collaboration with the governments. Our role encompasses comprehensive technical support aimed at re-engineering supply chain mechanisms, and optimizing the utilization of pre-existing IT platforms across various targeted regions of intervention. This collaborative effort involves a synergy of expertise, involving industry specialists and partners from the private sector. The states for these interventions comprise Bihar, Chhattisgarh, Jammu & Kashmir, Madhya Pradesh, Sikkim, and Uttar Pradesh.

Key achievements

- Supported Satara district in developing 17 SMART PHCs for improving quality of care through infrastructural strengthening, deploying point-of-care devices, and rolling out an expanded package of services.
- Trained more than 10,000 urban primary health care providers.
- More than 2900 urban primary health care facilities operationalized.
- PHC Tech Challenge was awarded the AVPN Constellations Award 2022 in the health care category.
- Supported deployment and market access connect for 45+ innovations.

With Asian Development Bank, PATH has launched the ‘Technologies Beyond Borders’ innovations challenge to identify and award two innovative technologies in NCDs and mental health management. The goal is to help these technologies achieve scale in select developing member countries: Bangladesh, Indonesia, and Uzbekistan.
**Digital health**

PATH is at the forefront of enabling digital health transformation in South Asia. We provide strategic implementation and development support for digital health initiatives across public health programs, enhancing programs’ efficiency and the ability to effectively leverage the power of new technologies. We enable cross-learning and knowledge sharing between verticals and across regions by driving digital and data-driven approaches.

**Digital health infrastructure**

PATH works closely with the National Health Authority (NHA) to accelerate the adoption of the Government of India’s flagship digital health initiative, Ayushman Bharat Digital Mission (ABDM), in the public and private sectors. PATH conducted a first-of-its-kind pilot in Mumbai to create awareness in private clinics and hospitals about ABDM. The pilot has engaged with 1100+ clinics in Mumbai and ensured the generation of 85000+ ABDM-linked electronic health records. This has enabled policy formulation at NHA for initiating 100 such microsites across India. We also extend strategic and technical support to states for the implementation of the mission’s initiatives.

We support the adoption of eSanjeevani, Government of India’s teleconsultation platform, in HWCs across the country. PATH explores new opportunities to leverage the platform for improving access to specialized and affordable care provided under specific health programs such as the National TB Elimination Program.

We are dedicated to advancing research and deepening the understanding of country-level digital infrastructure. We conducted a digital health landscaping exercise across three countries – India, Bangladesh, and Nepal, covering five cities. PATH’s research focused on examining national-level digital health policies, highlighting urban health system challenges, and identifying efficient ways to leverage smart city infrastructure while utilizing digital transformation to strengthen and enhance their urban health systems.

**Digital tools for health programs**

PATH has collaborated with NACO for improving the quality of data. PATH provided technical and implementation support for the design and development of the national data hub and the national dashboard.

We developed an end-to-end digital solution for quality assurance, quality control, and traceability across the manufacturing supply chain of fortified rice. The solution will soon be piloted in Andhra Pradesh and Punjab.

**In Myanmar, PATH’s Track, Test, and Treat (T3) platform for Malaria program is a comprehensive initiative aimed at reducing the incidence and mortality rate of malaria in the country. We are supporting the National Malaria Control Program to develop a digitalized surveillance system to help in the detection and response for Malaria.**
Innovative digital technologies

PATH is committed to developing and scaling innovative digital solutions that bridge key gaps in public health programs, making them more effective and accessible. With India’s sustained focus on digital health, our five-year program with C-CAMP is dedicated to supporting and accelerating the adoption and scale-up of market-ready digital health solutions, addressing crucial needs within health systems and transforming public health worldwide.

PATH’s chatbot initiative for adolescents has been instrumental in connecting them with reliable information regarding the assessment and treatment of mental health-related conditions.

We developed the e-CLMC application to track the process of collecting and providing milk in CLMCs to ensure that babies who need human milk have ongoing access.

During the pandemic, we provided technical assistance to more than 20 states in India to track oxygen supply through state-level trackers. PATH developed a dashboard to track oxygen supply data from 2300 PSA oxygen plants across 24 states. We developed a predictive consumption and demand estimation tool called the o₂ planner to help any health facility plan for a seven-day period during a crisis. We provided capacity building support for remote comprehensive operation and maintenance of oxygen plants, by developing 10 self-learning modules in six languages and disseminating these to the health personnel on ground.

PhixAi- Public Health Impact through Artificial Intelligence

PATH has launched the ‘PhixAi - Public Health Impact through Artificial Intelligence’ platform to expedite the global deployment of sustainable AI-driven solutions for public health. This initiative aims to foster collaboration among diverse stakeholders to advance health equity and accessibility through AI, recognizing its transformative potential in reshaping global public health in the 21st century.

Key achievements

The success of the Mumbai pilot led the NHA to fund a $3.7M scale-up, establishing 100 microsites across states, with PATH supporting 40-50 Microsites.

Over 700 donor mothers have registered on the e-CLMC platform, and the application has recorded data on 65,000 milliliters of donated milk.

48 hours of self-learning content developed for oxygen operations and management in six languages.

PATH has introduced YO.DH, the Youth Ownership of Digital Health initiative, aimed at fostering a community for emerging thinkers and practitioners to spearhead digital innovation in health care. This platform seeks to cultivate meaningful partnerships and explore the potential of digital technology to proactively address future health challenges.
Partner with us

Our work depends on strategic partnerships with policy makers, donors, communities, businesses and nongovernmental organizations. We are continuously finding new, cost-effective ways to turn ideas into action and bring good health within reach of people and communities.

Because better health moves humanity forward.

Think you’d like to work with us?
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