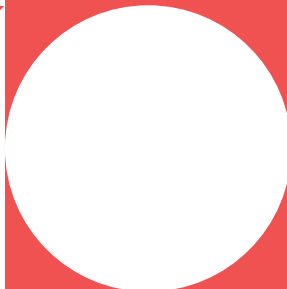
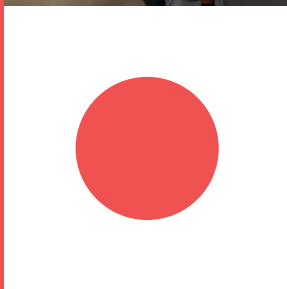
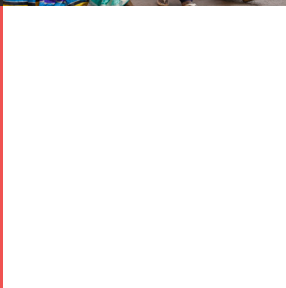
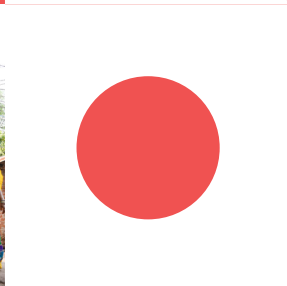
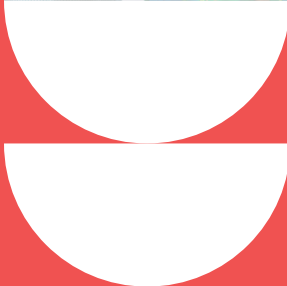
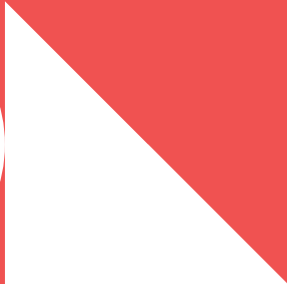
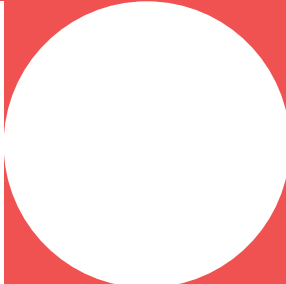
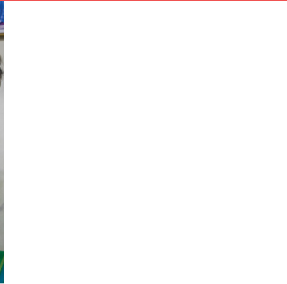




Centre for
Health
Research and
Innovation



ANNUAL REPORT
2023

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Neeraj Jain

Message from the CEO

“ The Centre for Health Research and Innovation (CHRI) was established in 2017 with the mission to advance health equity in India. This is a tall challenge, requiring continued innovation, collaboration, and agility.

Our 2023 annual report showcases some of our efforts and impact across key focus areas - from supporting the launch of National Guidelines for Integrated Vector Management, to forging the Sustainable Action for Climate Health (SACH) Alliance and advancing private sector engagement to transform the care cascade in tuberculosis.

Yet, there is more work for us to do. Our commitment to a world where good health is accessible to all remains unwavering. We proudly support the global endeavor for universal health coverage by 2030, confident that CHRI is uniquely positioned to contribute to the paradigm shifts necessary for sustainable, threat-resilient, person-centered primary health care systems. On behalf of CHRI, I am grateful for the support of all our partners, donors, and team members who have helped us in these efforts over the years.

Our Work

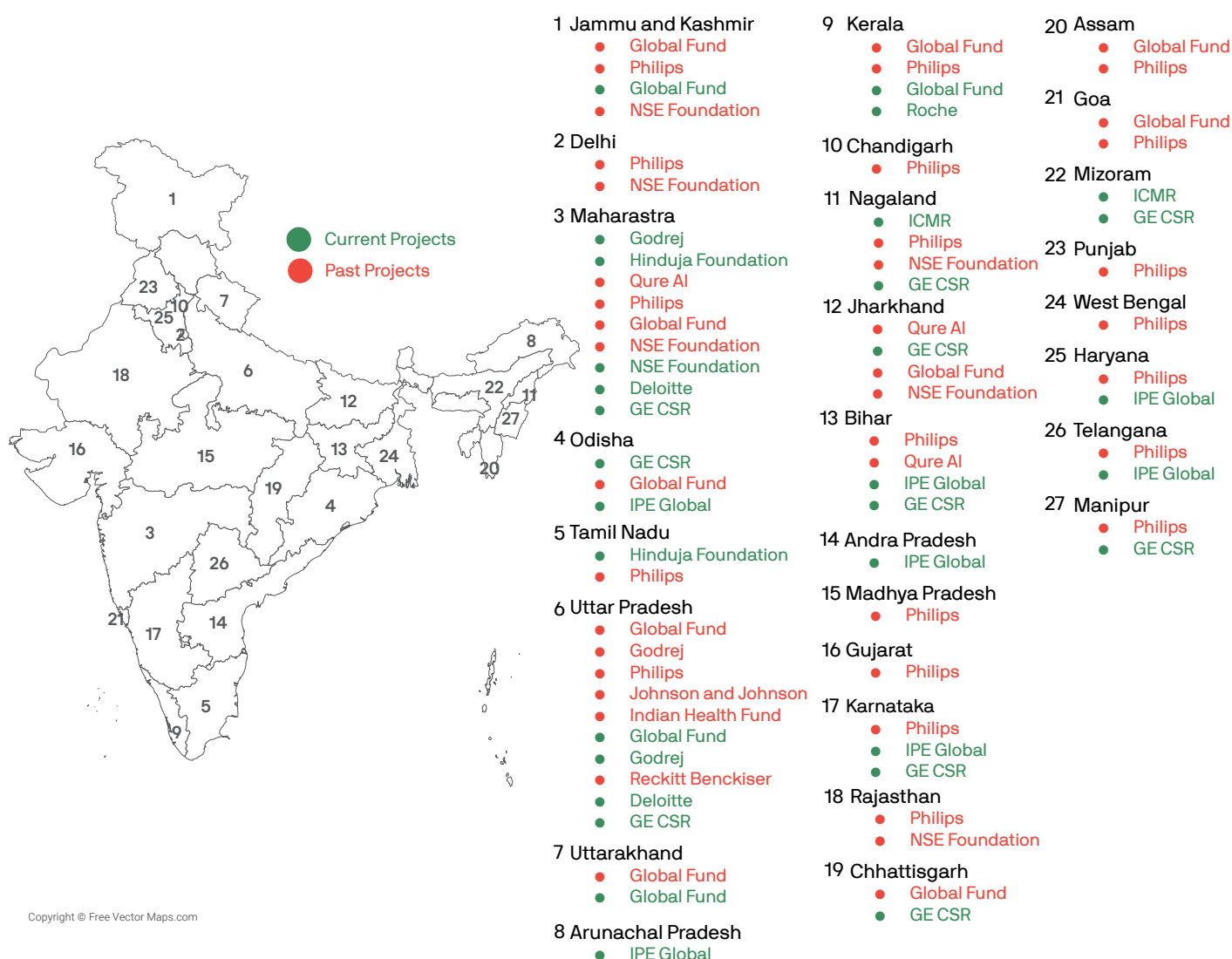
The Centre for Health Research and Innovation (CHRI) is a not-for-profit organization established in 2017, with a mission to accelerate health equity in India. CHRI is registered as a Section 8 company, and is an affiliate of PATH in India.

CHRI combines its expertise in research, innovation, and a comprehensive understanding of the Indian health landscape to develop adaptable and scalable solutions by partnering with government institutions, innovators, laboratories, pharmacists, communities, and the private sector.

Our unique positioning in public health comes from our ability to convene, coordinate, and collaborate in the work we do. CHRI's commitment to delivering high-impact projects across geographies, as well as its ability to adapt to India's evolving healthcare needs, makes it a trusted partner in the sector.

Presently, CHRI is actively working in seven states and two union territories - including Arunachal Pradesh, Tamil Nadu, Maharashtra, Odisha, Uttar Pradesh, Kerala, Uttarakhand, Jammu & Kashmir, and New Delhi – with a presence in 28 locations and offices in New Delhi, Uttar Pradesh, Uttarakhand, Leh, Kerala and Jammu & Kashmir.

Our Geographical Presence



Our Board of Directors



Ms. Valerie Thomas Pinto

CEO-Weber Shandwick, India

Mr. Sarang Deo

Professor, Operations Management;
Deputy Dean, Faculty and Research and Executive
Director, Max Institute of Healthcare Management
(MIHM) - Indian School of Business



Mr. Asim Kumar

Director - Cerebrus Consultants

Mr. Subhash Mittal

Director - SMA Management
Services Pvt. Ltd



Mr. Neeraj Jain

Chief Executive Officer, CHRI

Our Focus Areas



**Health Systems
Strengthening**



**Non-Communicable
Diseases**



Digital Health



**Malaria and
Neglected Tropical
Diseases**



**Maternal, Newborn,
Child Health, and
Nutrition**



**Pandemic
Preparedness**



**Tuberculosis
and HIV/AIDS**

Key Projects

In collaboration with both the public and private sectors, CHRI has been developing and implementing new approaches to prevent, manage, and eliminate infectious diseases. The organization has played a pivotal role in designing and implementing national programs targeted towards the prevention and elimination of TB, HIV, and malaria. CHRI has also expanded its footprint in areas such as maternal, newborn and child health, nutrition, rare diseases, digital health, climate change and strengthening primary healthcare.



Eliminating tuberculosis through private sector engagement

With support from the Global Fund, CHRI designed and implemented a national program for tuberculosis (TB) elimination. In Phase 1 of the project, CHRI, as principal recipient, implemented JEET 1.0 in 203 districts across 10 states in India. The program focused on intensive engagement with the private sector to achieve universal access to quality diagnosis and treatment for TB, with a larger goal to support the nation in achieving its National Strategic Plan targets of TB elimination. This was followed by the second phase in which CHRI and the William J. Clinton Foundation (WJCF) are implementing the project in 33 districts of five states from April 2021 to March 2024.



Strengthening integrated diagnostics labs and surveillance systems

Towards the goal of setting up integrated network of labs and surveillance systems for strengthening universal health coverage and health security, CHRI - guided by a human-centered design approach - is providing technical and operational assistance to the state of Odisha. In the long run, this will enable India to adopt an integrated, "One Health" approach by enhancing systematic capabilities for testing samples of food, water, and air (during outbreaks) along with clinical specimens of human origin.



Combating malaria, dengue, chikungunya

CHRI has been actively working to forge partnerships with both public and private sector organizations to pool resources, expertise, and knowledge to support dengue, chikungunya, and malaria control efforts since 2020.

With support from Godrej Consumer Product Limited (GPCL), CHRI has been providing strategic technical support to the Government of India and state government of Uttar Pradesh on Dengue and Chikungunya prevention and control and elimination of Malaria. As part of this work, our organization developed and launched the National Guidelines for Integrated Vector Management under this project on World Malaria Day on April 15, 2022. Trainings were conducted for medical officers, malaria

inspectors and other staff at the national level. These initiatives have led to a 52% increase in knowledge among formal and informal practitioners in identifying Dengue, Chikungunya and Malaria cases in Uttar Pradesh. CHRI also supported the National Center for Vector Borne Diseases Control of India (NCVBDC) in strengthening surveillance and enhancing data collection and analysis capabilities. This has led to a 90% decrease in response time of outbreak investigation, and management from 10 days to 1 day.



Designing viability validation framework and implementing pilots for innovation

CHRI has been working on developing a viable validation framework and scoring matrix for SAMRIDH innovations under various sub-categories, as well as actively evaluating the SAMRIDH innovation pipeline and identifying the readiness and gaps in the selected early revenue, pre-launch technologies for viable validation pilots. Further, the organization is assisting in defining the viability validation pilot requirements and securing approvals, agreement, and other requisite documentation to launch and deliver the pilot.



Sustainable Action for Climate Health (SACH) Initiative

The impacts of climate change on health are a growing concern. USAID and CHRI-PATH launched the Sustainable Action for Climate Health (SACH) Initiative for concerted action on climate and health in Indian cities. SACH brings together policymakers, urban bodies, private sector, health care chains, development organizations, donors, philanthropies, community-based organizations, and innovators to promote cross-sectoral collaboration and improve climate and health outcomes. With a vision of promoting climate adaptive health facilities, workplaces and communities through partnerships and linkages, the SACH Initiative onboarded

over 50 organizations through the SACH Climate and Health pledge. The Pledge is a commitment towards climate and health action and encourages Pledge Members to raise awareness, explore investments, as well as champion advocacy efforts towards climate and health.



Assessing impact of diabetes intervention control

CHRI is currently conducting an impact assessment and developing case studies at three locations - Pune, Mumbai, and Chennai - to evaluate the impact of HF's support for low socio-economic children with Type-1 Diabetes.



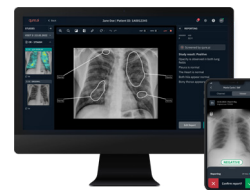
ICMR Sentinel Survey for Human Monkeypox Virus Infection

PATH-CHRI is supporting the ICMR-led six-month long exploratory sentinel survey of high-risk populations for the detection of human Monkeypox virus (Mpox) in Nagaland and Mizoram. This study will help in understanding the clinico-epidemiological aspects of the Mpox virus in India in large metropolitan areas, where a large proportion of high-risk population groups reside.

The study has received approval from the ethics committee of Indian Council of Medical Research (ICMR)-National AIDS Research Institute (NARI) and ICMR-National Institute of Virology (NIV). Additionally, the team has identified a local institutional review board, and received IRB approval, from Zoram Medical College (ZMC), Aizawl, Mizoram.

Our Past Projects

Innovations for TB Prevention: CHRI has worked closely with technology partners to advance innovations which facilitate the early diagnosis of TB cases. One notable collaboration has been with Qure.AI. CHRI leveraged their artificial intelligence tool 'qXR' chest X-ray screening software, at no cost and deployed it at 19 sites across nine states. The impact of this collaboration can be seen in its remarkable achievement of conducting 130% of targeted X-ray scans. Another innovation which showcased the diagnostic capabilities of CHRI w the Truelab platform and Truenat MTB/MTB-Rif tests.



The Truenat facility was deployed at the sub-district level Community Health Centers (CHCs) to ensure early diagnosis and treatment initiation for Pulmonary TB.

TB Diagnosis and treatment in UP: In 2019, with the support of the India Health Fund, CHRI established a comprehensive ecosystem aimed at expediting the diagnosis and treatment initiation process for patients seeking care across both private and public healthcare systems in three districts of Uttar Pradesh. This initiative significantly contributed to the early detection of TB cases and identification of Rifampicin resistance within the government health system. Additionally, CHRI successfully implemented "Active Case Finding of TB Disease among weavers in Varanasi" with funding from Johnson & Johnson.



STAR HIV Self-Testing Virtual Outreach Model: CHRI worked with the World Health Organization (WHO) on the launch of STAR HIVST Virtual Outreach Model in 2022. The objective of the project was to develop a digital marketing campaign to generate demand for HIV self-testing among identified communities and distribute kits to Key Populations (KPs) operating on online platforms. The project aimed to reach individuals who could not be reached through offline models of HIV service delivery, thereby improving case findings and subsequent linkage to prevention, treatment, and care following HIV self-testing. The digital campaign recorded a high social media engagement and more than 7500 people explored the virtual platform. More than 300 people ordered HIV-self testing kits from the virtual platform and other online dating platforms. The project also leveraged community influencers, who created 374 posts; these were viewed 830,900 times, and a total of 54,000 people liked, commented, or shared the posts.



Strengthening new-born Nutrition and Essential Healthcare Intervention (SNEHI): Funded by Philips, CHRI implemented Project SNEHI to contribute towards the growing momentum of Human Milk Banks (HMBs). The efforts were directed towards implementing the innovative Mother Baby Friendly Initiative Plus (MBFI+) model in India, with the goal of ensuring effective lactation management in all new-born care units. CHRI developed communication materials which were launched by the Union Health Minister during International Breastfeeding Week. CHRI also set up 15-18 Lactation Management Centers (LMCs) and two Zonal Reference Centers. As of today, 10,000 babies & 30,000 mothers and influencers/care givers benefit annually under just one LMC.



Technical Support to introduce Rice Fortification: CHRI collaborated with various stakeholders, including the Departments of Health, Social Welfare, Education, Food Civil Supplies and the Food Corporation of India to implement a rice fortification project in Nagaland. The distribution of fortified rice monthly to 100% of the beneficiaries was covered under the ICDS scheme, and the Mid-Day Meal program was further bolstered by CHRI. Additionally, around 1032 stakeholders have been sensitized on concept of rice fortification through trainings, events, field visits, and meetings. Community awareness on fortified rice indirectly among seven lakh beneficiaries, and directly among 6000 people has been achieved.



Kerala Cancer Project: CHRI developed key resource materials focused on financing cancer care and conducted comprehensive mapping of existing financial support schemes available for cancer patients in Kerala. This provided valuable insights, guidance, and addressed the financial aspects of cancer treatment. Additionally, CHRI collaborated with the State Health Authority to develop a blueprint for an insurance scheme targeting those above the poverty line. CHRI advocated the activation of decentralized cancer care in three districts, thereby supporting the prioritization of cancer control in the state budget.



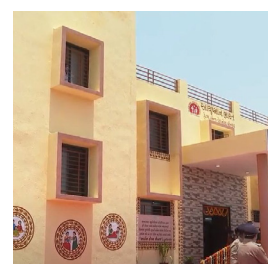
Contribute towards early diagnosis of TB and Rifampicin resistance in the government health system in India: CHRI has demonstrated the deployment of Truenat for early diagnosis of TB and Rifampicin resistance at the Sub-district level. The organization has also developed the protocol for deployment of rapid molecular diagnostic tools like Truenat at sub-districts to accelerate TB case finding, as well as deployed five Truenat tools across two different districts.



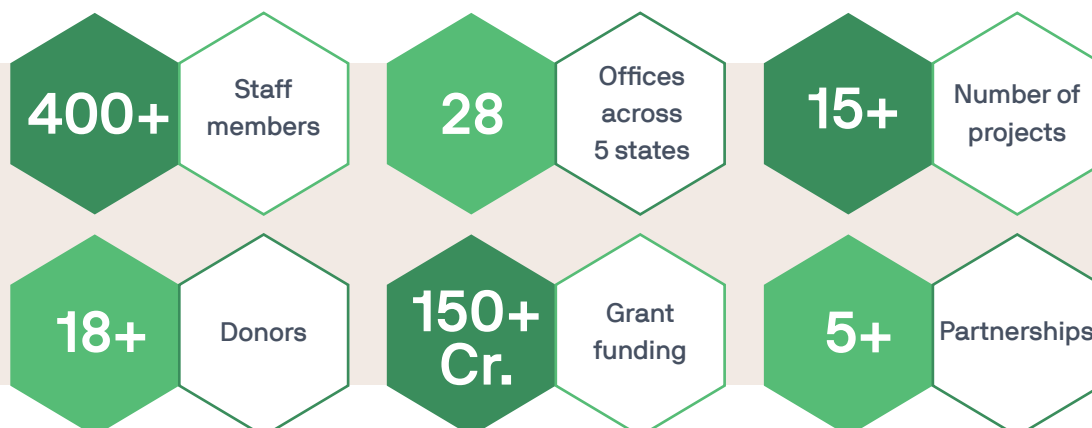
Project CAVACH (COVID-19 & Vaccination Awareness Campaign for Health): Towards the goal of COVID-19 Respiratory care coordination, CHRI has been instrumental in improving access to oxygen and supply of other essential equipment in hospitals. Through project CAVACH, the organization has supported the supply, installation, and commissioning of PSA oxygen generation plants by facilitating the medical gas pipeline system (MGPS), constructing the infrastructure for the plant, and placing trained resources to manage the oxygen system. These PSA plants and small devices will now be handed over to the facility through the preparation and sharing of SOPs for their usage and maintenance, and through personnel training for the rational use of oxygen and proper utilization of the plants.



Comprehensive UPHC model under BMC: The project aimed to address diverse health care and nutrition needs of the vulnerable urban population by improving access to quality primary health care in slums under the Municipal Corporation of Greater Mumbai by demonstrating evidence-based scalable models of Urban Primary Health Centers (Urban PHC) strengthening.

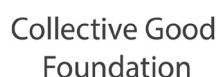
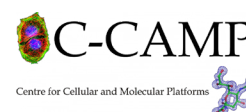


CHRI at a Glance



Our Funder and Partners

From its origin with a small grant from Philips to its long and multifaceted partnership with The Global Fund, CHRI is accelerating the impact of pioneering philanthropic organizations. In the past six years, CHRI has received approximately INR 150 Crores in grant funding and has been implementing various projects in coordination with the Ministry of Health and Family Welfare. CHRI has forged partnerships with over 10+ organizations and received funding from donors such as the NSE Foundation, Godrej, Roche, IPE Global, Siemens, Hinduja Foundation, Philips, Johnson & Johnson, WHO, USAID, and the Indian Health Fund. It has also worked on designing, implementing, and institutionalizing a public-private partnership model for various health projects to strengthen surveillance and improve data collection and analysis.



Financial summary (April 1, 2023 to March 31, 2024)

Figures are presented in INR

Revenue (in thousands)	Amount (in INR in thousands)
Foundations	54,813
Nongovernmental Organizations (NGOs)	2,02,385
Corporates	41,410
Interest Income	319
TOTAL REVENUE	2,98,927

Expenses (in thousands)	Amount (in INR in thousands)
Program-related:	
Infectious Diseases	
TB	2,02,503
Dengue+	29,316
HIV	1,508
Total Expenses	2,33,328
Family Health	
Nutrition	6,618
Oxygen	40,901
Total Expenses	47,519
Tech Innovation & Systems	
Urban PHC	3,708
NCDs	2,979
Diagnostics	8,336
HIV	
Total Expenses	15,023
Other Program	669
Subtotal program-related	2,96,539
Administrative	4,828
TOTAL EXPENSES	3,01,367

Assets (in thousands)	Amount (in INR in thousands)
Cash and cash equivalents	17,266
Other Current Assets	12,980
Trade receivable	425
Non Current assets	2,604
TOTAL ASSETS	33,274

Liabilities and net assets (in thousands)	Amount (in INR in thousands)
Total liabilities	21,851
Net assets:	
Without donor restrictions	5,605
With donor restrictions	5,817
TOTAL NET ASSETS	11,423
TOTAL LIABILITIES AND NET ASSETS	33,274



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