

5. Health AI Global Regulatory Network

India has joined the Health AI Global Regulatory Network (GRN) as a Pioneer country, reinforcing its role in responsible AI use in healthcare.

About Health AI Global Regulatory Network (GRN)

GRN is a newly established international collaborative platform that brings together health regulators from multiple countries, creating a structured space for cooperation and dialogue to strengthen oversight of artificial intelligence (AI) applications in healthcare.

Aim - Its primary aim is to build global trust in AI-driven healthcare solutions, improve patient safety and ethical compliance, and accelerate responsible innovation by encouraging shared learning, developing joint standards, and setting up early-warning systems for identifying emerging risks and challenges.

Membership - The network began with the participation of ten 'Pioneer Countries,' including India, which were invited initially to set the foundation and direction of this collaborative initiative.

Members' Benefits - Participating members gain privileged access to a Global Repository of AI Health Solutions, which acts as a database of vetted AI tools and innovations used in healthcare across the world. The GRN also provides its members with technical support, peer consultations, and structured knowledge-sharing opportunities among regulators, thereby creating an informed ecosystem for AI in health.

About Health AI

Health AI is an independent, non-profit, Geneva-based international organization that works to promote equitable access to AI-powered innovations in healthcare, ensuring that technological advances benefit patients across both developed and developing nations.

Nature - It functions as an international body dedicated to advancing the cause of responsible AI in healthcare through research, advocacy, and collaboration with stakeholders from public and private sectors.

Mission - Its mission is to ensure that AI-driven health solutions are designed and deployed in a fair, secure, and efficient manner, bridging gaps in AI benefits between high-income and low-income countries. It is committed to reducing inequalities in healthcare by making AI tools widely accessible, while simultaneously safeguarding data privacy and patient safety, and at the same time encouraging innovation.

Initiatives -

Community of Practice (CoP) - Health AI has built a global CoP comprising more than 280 organizations, including governments, academia, and industry partners, all working collaboratively to shape emerging AI health regulations and standards.

Stakeholder Engagement – The organization actively engages stakeholders at the global level, building capacity among policymakers, regulators, and innovators through sustained dialogue and international cooperation.



10 Uses Of Generative AI In Healthcare



Medical Image Reconstruction



Drug Compound Generation



Disease Progression Prediction



Virtual Patient Simulation



Automated Medical Coding



Clinical Decision Support Systems



Patient-Specific Treatment Planning



Anomaly Detection in Patient Data



Adaptive Therapy Optimization



Patient Journey Prediction

India's Role in GRN

Institutions Involved – India is represented in the GRN through the Indian Council of Medical Research – National Institute for Research in Digital Health and Data Science (ICMR–NIRDHDS) and the India AI initiative, both of which bring expertise in digital health and artificial intelligence governance.

Contributions – India contributes by sharing safety protocols, regulatory experiences, and monitoring mechanisms for AI applications in clinical settings, helping to shape global safety benchmarks. It also supports the strengthening of responsible AI governance by adopting global best practices and adapting them to the Indian healthcare ecosystem.

Vision Link – India's participation aligns with the national vision of *Viksit Bharat 2047*, as it seeks to make healthcare delivery in India safe, effective, inclusive, and equitable through the responsible adoption of AI technologies.

About India AI

India AI is an independent Business Division created under the Ministry of Electronics and Information Technology (MeitY), functioning within the Digital India Corporation framework to operationalize the national AI mission. The India AI Mission, formally launched in 2024, aims to nurture and scale India's AI ecosystem by addressing infrastructure, skill development, research, and innovation. The mission is driven by a vision to position India as a global leader in artificial intelligence by focusing on seven foundational pillars –

1. **IndiaAI Compute** – Creating robust AI computing infrastructure to support large-scale model training and innovation.
2. **IndiaAI FutureSkills** – Building an advanced talent pipeline by training professionals and students in cutting-edge AI technologies.
3. **IndiaAI Startup Financing** – Providing targeted financial support and incentives to AI startups and entrepreneurs to foster innovation.
4. **IndiaAI Innovation Centre** – Establishing a central hub for research, collaboration, and development of indigenous AI solutions.

5. **IndiaAI Datasets Platform** – Building secure and accessible repositories of datasets to support innovation while maintaining data privacy standards.
6. **IndiaAI Applications Development Initiative** – Promoting the design and deployment of AI applications across priority sectors such as health, agriculture, education, and governance.
7. **Safe & Trusted AI** – Developing frameworks for responsible, ethical, and trustworthy AI that prioritize human rights and safety.

About ICMR–NIRDHDS

ICMR–NIRDHDS is a permanent institute of the Indian Council of Medical Research (ICMR), headquartered in New Delhi, and it serves as the apex national body for research in digital health and data science. The institute focuses on advancing digital health and data sciences through interdisciplinary research, academic training, peer-reviewed publications, and evidence-based advocacy for policy and practice.

Establishment – It originated as the Institute for Research in Medical Statistics (IRMS) in 1977, and was later re-designated as ICMR–NIRDHDS to emphasize its expanded role in digital health and data-driven medical research.

Mandate & Role – Provides technical consultation in research methodology, programme evaluation, mathematical modelling, and advanced data analysis. Supports cutting-edge research in digital health, policy formulation, and the dissemination of best practices to improve national and global health outcomes. Builds capacity and provides technical assistance to ICMR institutes, state health departments, and other research organizations across India. Promotes sound data science practices to strengthen evidence-based public health policy, thereby improving human welfare and healthcare delivery.

Source – <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2163813>

