Country Report from ABN Representatives *Emerging Ethical Challenges of Healthcare Digitalisation*

India

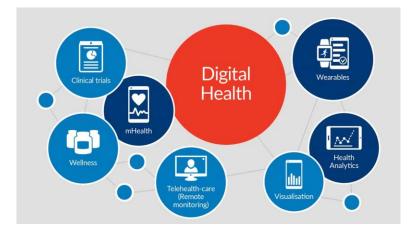
ABN Meeting, 4 September 2023

Outline

- 1. Summary of Country's State of Healthcare Digitalisation and Emerging Technologies
- 2. Summary of Ethical Challenges Faced by India
- 3. Existing Initiatives in India and/or Plans and Recommendations to Address the Ethical Challenges
- 4. Other Major Achievements or Ongoing/Upcoming Bioethics Initiatives in Country

1. Summary of India's State of Healthcare Digitalisation and Emerging Technologies

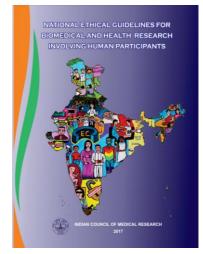
- Healthcare Digitalization in India:
- Digital Health Mission- National Digital Health Mission (NDHM)
- Telemedicine
- Health Apps and Wearables
- Emerging Technologies in Healthcare:
- Artificial Intelligence (AI)
- Big Data Analytics
- Genomics and Precision Medicine
- IoT in Healthcare-The Internet of Things (IoT)
- Blockchain Technology in Healthcare



2. Summary of Ethical Challenges Faced by India

S/N	Ethical challenge(s) arising from healthcare digitalisation/emerging technologies
1	Data Privacy and Security Ownership and Control of Data-Defining ownership rights of health data, especially in cases of data generated through wearables and IoT devices.
2	Informed Consent-Addressing the digital literacy gap among patients and healthcare providers to ensure effective utilization of digital tools
3	 Accuracy and Reliability Establishing standards for interoperability between various digital health platforms to enable seamless data sharing. Spread of incorrect medical information through digital platforms.
4	Equity and Accessibility
5	Regulation, Monitoring and Oversight
6	Transparency and Accountability-algorithmic transparency, bias mitigation

3. Existing Initiatives in India and/or Plans and Recommendations to Address the Ethical Challenges

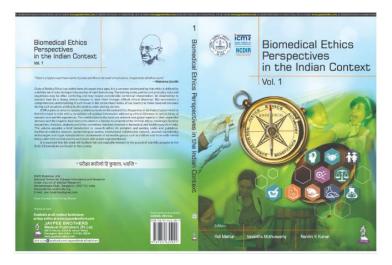


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National Ethical Guidelines for Biomedical and Health Research involving Human Participants, 2017

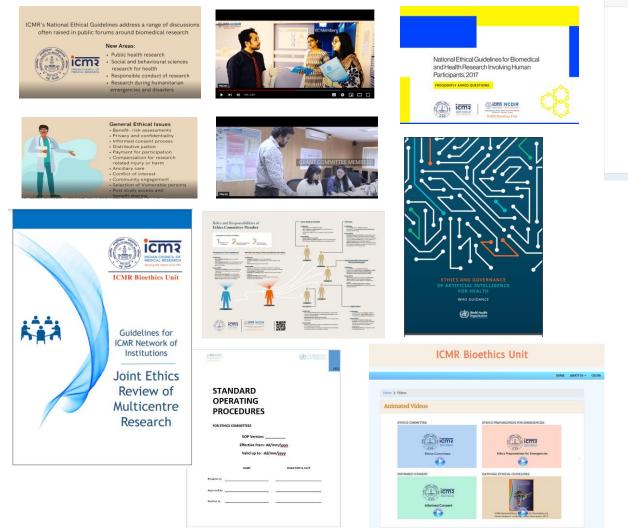


Ethical Guidelines for Application of Artificial Intelligence in Biomedical Research and Healthcare



ICMR Bioethics Reference Book on Biomedical Ethics Perspectives in the Indian Context, 2022

4. Other Major Achievements or Ongoing/Upcoming Bioethics Initiatives in India



Home > Public Consultation:

ICMR Consensus Policy Statement for the Ethical Conduct of Controlled Human Infection Studies (CHIS) in India 2023 (Last Date: August 16, 2023)

Public Consultation ICMR Consensus Policy Statement For The Ethical Conduct Of Controlled Human Infection Studies (CHIS) In India 2023

ICMR Bioethics Unit has formulated a consensus policy statement to address the ethical concerns related to the conduct of Controlled Human Infection Studies in India. The statement has been developed through a process of rigorous engagement with experts in the last few months. These studies may play a crucial role in advancing the scientific understanding of infectious diseases and thereby accelerating the development of treatment strategies. However, being a very specialized type of research involving deliberately infecting healthy volunteers with a specific pathogen under controlled conditions, these may have a lot of ethical challenges and an attempt has been made to address these issues in this document.

The document is being posted on ICMR Bioethics Unit website for Public Consultation for a period of ONE month. All those who are interested may provide their comments/ suggestions/ feedback by 16th August, 2023. The document can be downloaded from here. Comments may be provided in the attached format as available here.

Please send comments/ feedback /suggestions by email to:

Dr. Roli Mathur, Scientist F and Head, ICMR Bioethics Unit; Email: icmribethicsunit@gmail.com. The last date for receiving the comments is 16th August 2023

Please visit ICMR website





ICMR DHR Outreach Program for Ethics Committees