Jun 28, 2024

“Leveraging AI Tools to Bridge the Healthcare Gap in Rural Areas in India"

DOI
dx.doi.org/10.17504/protocols.io.e6nvw1z9zlmk/v1

Ajit Kerketta[1]

[1]CHRIST (Deemed to be University)

Ajit Kerketta
CHRIST (Deemed to be University), Bengaluru

OPEN ACCESS

DOI: dx.doi.org/10.17504/protocols.io.e6nvw1z9zlmk/v1

Protocol Citation: Ajit Kerketta 2024. “Leveraging AI Tools to Bridge the Healthcare Gap in Rural Areas in India". **protocols.io** https://dx.doi.org/10.17504/protocols.io.e6nvw1z9zlmk/v1

Protocol status: In development
We are still developing and optimizing this protocol

Created: June 28, 2024

Last Modified: June 28, 2024

Protocol Integer ID: 102586

Disclaimer

DISCLAIMER – FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to **protocols.io** is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with **protocols.io**, can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

Abstract

Introduction:
Despite considerable progress in the healthcare sector, rural areas continue to grapple with healthcare deficiencies, which eventually impact the quality of health outcomes. However, the emergence of AI technology offers promising solutions to overcome these hurdles. Hence, the study explores the potential and efficacy of introducing artificial intelligence (AI) tools to address the healthcare disparity in rural India.

Methods:
The research employed a literature review method and gathered data from various databases such as Science Direct, PubMed, and Google Scholar. The screening process was aided by the Rayyan electronic software. Articles published in
English between January 2020 and December 2022 were selected, followed by a thematic analysis of the findings.

Results:
Results indicate the potential of AI in rural healthcare settings, showing AI-driven solutions addressing healthcare access gaps and contributing to their bridging. The study also highlights hurdles related to AI tool adoption in rural healthcare and proposes collaborative efforts among policymakers, healthcare providers, and technology developers to integrate AI tools
effectively. This necessitates advocating for digital infrastructure investments, capacity-building initiatives, and conducive regulatory frameworks for AI implementation.

Conclusion: The study underscores AI's transformative role in bridging the healthcare gap in rural India. By harnessing AI technologies, healthcare providers and policymakers can surmount barriers, empower local healthcare workers, and improve health outcomes for rural communities The insights and recommendations contribute to the evolving knowledge base on leveraging AI for adequate healthcare delivery, guiding future initiatives in similar contexts.

Keywords:
Artificial Intelligence, Healthcare gap, Rural areas, remote patient monitoring, healthcare outcome.

“Leveraging AI Tools to Bridge the Healthcare Gap in Rural Areas in India"

1 Protocol.docx 159KB