International Journal of Homoeopathic Sciences

E-ISSN: 2616-4493
P-ISSN: 2616-4485
www.homoeopathicjournal.com
IJHS 2025; 9(1): 187-189
Received: 25-11-2024
Accepted: 26-12-2024

Dr. Mukta Nivedita Bera
Assistant Professor, Department of Human Anatomy, Bhargav Homoeopathic Medical College and Hospital, Sardar Patel University, Gujarat, India

Amartya Gupta
Senior Software Developer, Cake Capital, Toronto, Canada

Corresponding Author:
Dr. Mukta Nivedita Bera
Assistant Professor, Department of Human Anatomy, Bhargav Homoeopathic Medical College and Hospital, Sardar Patel University, Gujarat, India

Revolutionizing Healthcare: Personalized and affordable homeopathy through technology

Mukta Nivedita Bera and Amartya Gupta

DOI: https://doi.org/10.33545/26164485.2025.v9.i1.C.1352

Abstract
This research explores the integration of scientific evidence supporting homeopathy with modern digital technologies to develop a personalized, accessible, and scalable healthcare model. Using frameworks like Django for API-driven platforms and data analytics for tailored treatments, this project also evaluates the economic viability of homeopathy in underserved populations. The study focuses on dermatology, oncology, and mental health while considering global applicability through region-specific adaptations using ISO country codes.

Keywords: Homeopathy, healthcare accessibility, personalized medicine, scalable healthcare models, digital health platforms

1. Introduction
Homeopathy, founded over two centuries ago, has gained global recognition as a complementary medical practice. Despite skepticism, scientific evidence supports its efficacy in managing chronic and acute diseases [1, 2]. Meanwhile, advances in technology offer unprecedented opportunities to revolutionize healthcare delivery. This research bridges homeopathy and technology to create a cost-effective and personalized healthcare model, focusing on underserved populations.

1.1 Research Motivation
- Increasing global interest in Complementary and Alternative Medicine (CAM).
- The economic burden of conventional healthcare in low-income regions.
- The potential for personalized medicine to enhance therapeutic outcomes.
- A growing need for integrating digital platforms in healthcare.

1.2 Research Questions
1. How can technology enhance the accessibility and efficacy of homeopathy?
2. What are the economic advantages of homeopathic treatment compared to conventional methods?
3. How can regional health disparities be addressed through personalized homeopathy?

2. Objectives
1. Consolidate and disseminate scientific evidence supporting homeopathy.
2. Develop a Django-based platform for interactive and educational purposes.
3. Create data-driven algorithms for personalized treatment recommendations.
4. Assess the cost-effectiveness of homeopathy in managing chronic and acute diseases.
5. Adapt the healthcare model for global implementation using ISO country codes.

3. Methodology
3.1 Literature Review
- Comprehensive review of scientific publications on homeopathy's efficacy, particularly in dermatology, oncology, and mental health.
- Systematic analysis of cost-effectiveness studies comparing homeopathy and conventional medicine.

3.2 Platform Development
Technology Stack
- **Backend:** Django framework.
- **Frontend:** React for user-friendly interfaces.
- **Database:** PostgreSQL for secure data storage.

Features
- Evidence repository with search and filter options.
- Symptom-based remedy recommendations.
- Practitioner and patient education modules.

3.3 Personalization via Data Analytics
Develop algorithms using:
- Patient demographics and symptom data.
- Regional disease prevalence statistics.
- Historical treatment outcomes.
- Integration of 2-letter ISO codes for regional health insights.

3.4 Economic Analysis
- Compare costs of homeopathy versus conventional treatments for chronic diseases.
- Model scalability in underserved regions using long-term investment strategies.

3.5 Interdisciplinary Collaboration
- Engage experts in healthcare, economics, and technology.
- Host focus groups to gather insights from practitioners and patients.

4. Therapeutic Efficacy

4.1 Dermatology
Studies demonstrate significant improvement in conditions such as atopic dermatitis and acne vulgaris using individualized homeopathic remedies. For example, Ignatia amara has shown positive effects in treating histologically confirmed oral lichen planus [2].

4.2 Diabetes
Homeopathy's potential role in managing Type 2 diabetes through personalized treatment regimens is promising. Future trials are required to establish its effectiveness rigorously [5].

4.3 Oncology
Evidence from oncology indicates that homeopathy may provide supportive benefits that enhance the quality of life for cancer patients. Remedies such as Arnica Montana have been used for managing pain and post-surgical recovery [9].

4.4 Asthma
Homeopathic treatments have been used to alleviate symptoms in asthma patients, with potential as an adjunct to conventional therapies [7].

4.5 Depression
Psychological conditions, including depression, show improvement with individualized homeopathic care, emphasizing its holistic approach [8].

4.6 Obstetric Medicine
Homeopathy has been reported to manage conditions such as postpartum recovery effectively, although further studies are needed to confirm these findings [6].

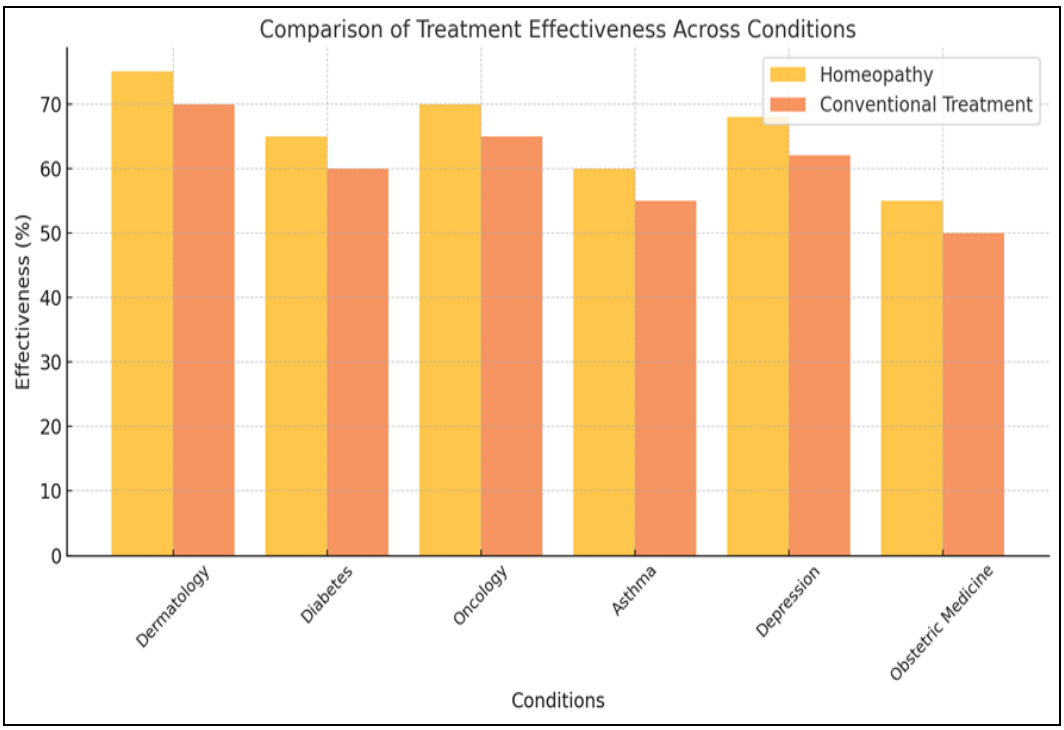

Fig 1: Show comparison of treatment effectiveness across conditions

5. Technological Innovations in Homeopathy
5.1 AI Integration
Advanced AI algorithms for symptom-disease correlation and treatment optimization.

5.2 Mobile Health (mHealth)
Developing mobile applications for broader access and real-time symptom monitoring.

5.3 Data Security and Privacy
Ensuring HIPAA-compliant data handling and encryption mechanisms.

6. Discussion
The results highlight the potential of integrating homeopathy with digital technologies to address gaps in conventional healthcare, particularly in underserved populations. Rigorous trials and systematic documentation are vital to further validate its efficacy.
A comparison of homeopathy versus conventional treatments across various conditions.

7. Conclusion
This research underscores the transformative potential of integrating homeopathy with technology to address healthcare accessibility and personalization. By leveraging scientific evidence, digital platforms, and economic insights, it aims to create a globally adaptable model for affordable and effective healthcare.

Conflict of Interest
Not available

Financial Support
Not available

8. References
1. Teixeira MZ. Homeopathy is not placebo effect: proof of scientific evidence for homeopathy, 2024.
2. Maftei NM, *et al*. Therapeutic applications for homeopathy in clinical practice. Adv Ther, 2024. DOI: 10.1007/s12325-024-03022-5.
3. Hahnemann S. Organon of Medicine. 6th Ed, 1842.
4. World Health Organization. Traditional Medicine Strategy 2014-2023. Geneva: WHO Press, 2013.
5. Mathie RT, *et al*. Randomised controlled trials of homeopathy: systematic reviews and meta-analyses. Eur J Clin Pharmacol, 2014.
6. Kleijnen J, *et al*. Clinical trials of homeopathy. Br Med J, 1991.
7. Linde K, *et al*. Impact of randomised placebo-controlled trials in homeopathy: a systematic review. Lancet, 1997.
8. Shang A, *et al*. Are the clinical effects of homeopathy placebo effects? Comparative study of placebo-controlled trials of homeopathy and allopathy. Lancet, 2005.
9. Swiss Federal Office of Public Health. Swiss health technology assessment (HTA) report on homeopathy, 2011.

How to Cite This Article
Bera MN, Gupta A. Revolutionizing Healthcare: Personalized and affordable homeopathy through technology. International Journal of Homoeopathic Sciences. 2025;9(1):187-189.