

Journal of Community Medicine and Health Solutions

Volume - 6, Issue - 2

Review Article

Published Date:- 2025-08-12

[The Impact of Artificial Intelligence on the Daily Responsibilities of Family Doctors: A Comprehensive Review of Current Knowledge](#)

This comprehensive review examines the impact of Artificial Intelligence (AI) on family medicine, focusing on its potential to improve diagnostic accuracy, optimize treatment, and enhance administrative efficiency. Analyzing literature from 2019 to 2024, the study highlights the use of AI applications, including machine learning, natural language processing (NLP), and clinical decision support systems (CDSS), in streamlining workflows, predicting health risks, and personalizing patient care. Key findings reveal significant benefits like reduced diagnostic errors, automated documentation, and proactive management of chronic conditions. However, considerable challenges remain, including algorithmic bias, data privacy concerns, limited explainability of AI outputs, and disparities in implementation across healthcare settings. Ethical considerations—such as equity, clinician autonomy, and patient trust—are emphasized as essential for the sustainable integration of these practices. The review concludes that while AI holds transformative potential for family medicine, its future success depends on collaborative design with clinicians, rigorous validation in primary care, and the establishment of ethical frameworks to ensure equitable and patient-centered adoption.

Research Article

Published Date:- 2025-07-21

[Confirmatory Factor Analysis of the Scale that Measures Biosecurity in the Face of the SDGs and COVID-19](#)

The pandemic has been observed as a security phenomenon due to the dimensions it entails, although these dimensions have not been confirmed. The objective of this work was to compare the theoretical structure of security with empirical observations. A cross-sectional, correlational, psychometric, and confirmatory study was conducted with a sample of 100 students selected for their affiliation with institutions committed to implementing the SDGs. The results confirm four of the seven dimensions, and the extension of the model is recognized as an area of opportunity to confirm the remaining three dimensions. It is recommended to expand the number of items and the sample size to increase the total percentage of variance and align the empirical model with the theoretical model reported in the literature.

Letter to Editor

Published Date:- 2025-07-11

[Eyes and Minds under Siege: How Digital Exposure Is Threatening Ocular and Neural Health in Adolescents](#)
