

Preventive Medicine as the Next Frontier in Global Health: Building Equity Through Cost-Effective Strategies

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ARTICLE INFO

Received: 📅 September 13, 2025

Published: 📅 September 24, 2025

Citation: Charlie Vidal. Preventive Medicine as the Next Frontier in Global Health: Building Equity Through Cost-Effective Strategies. Biomed J Sci & Tech Res 63(2)-2025. BJSTR.MS.ID.009879.

ABSTRACT

Preventive medicine has emerged as the most powerful yet underutilized tool for reducing the global burden of diseases. Non-communicable diseases such as cardiovascular disease, diabetes, and cancer remain the leading causes of mortality worldwide, despite being largely preventable through education, screenings, and lifestyle interventions. This opinion argues that prevention should be repositioned at the center of biomedical research and healthcare delivery, emphasizing cost effectiveness, equity, and long-term outcomes. By integrating preventive strategies into health systems and research agendas, global medicine can shift from reactive care toward proactive wellness/preventive healthcare.

Keywords: Preventive Medicine; Proactive Wellness; Preventive Healthcare; Global Health; Cost-Effectiveness; Equity; Screenings; Lifestyle; Community Health; Non-Communicable Diseases; Public Health; Wellness

Introduction

The last century of biomedical progress was dominated by breakthroughs in acute care and life saving interventions. While these achievements are remarkable, the 21st century presents a different challenge: the overwhelming rise of preventable chronic diseases. According to the World Health Organization, over 70% of deaths globally are due to non-communicable diseases, many of which can be mitigated or delayed through early preventive measures. Yet, healthcare systems remain heavily focused toward treatment rather than prevention. This imbalance demands urgent correction.

Opinion

Prevention as a Cost-Effective Strategy

Prevention offers an unmatched value for health systems. Vaccination programs have demonstrated that modest investments can avert enormous downstream costs. Similarly, screenings for hypertension, breast cancer, and diabetes reduce long-term healthcare expenditures while improving patient outcomes. For low and mid-

dle-income countries, prevention is not optional; it is the only viable pathway to sustainable healthcare.

Prevention as a Driver of Equity

The populations most affected by preventable diseases often lack access to treatment. By investing in preventive strategies, ranging from school based nutrition education to mobile health units, healthcare can reach marginalized groups before disease progression deepens inequities. Preventive medicine democratizes health by empowering individuals and communities to take ownership of their wellbeing.

Research and Community Integration

Biomedical research must pivot toward prevention with the same rigor applied to curative science. Longitudinal studies on lifestyle interventions, trials embedding preventive endpoints, and policies mandating preventive care integration will be essential. Furthermore, community engagement through culturally aligned education and local health workers ensures prevention is both accessible and sustainable.

Conclusion

Preventive medicine represents the next frontier in global health. It is cost-effective, equitable, and community centered. By prioritizing prevention in biomedical research and health policy, we can transform healthcare into a proactive system designed to sustain wellness rather than merely treat disease. Prevention is not an adjunct it is the foundation of the future of medicine [1-3].

Acknowledgements

The author acknowledges the contributions of healthcare colleagues, patients, and community partners in Puerto Rico who continue to demonstrate the power of preventive medicine in practice. Also, Hospital Manati Medical Center, a pioneer in promoting vaccination, healthy lifestyles, and preventive medicine.

ISSN: 2574-1241

DOI: 10.26717/BJSTR.2025.63.009879

Charlie Vidal. Biomed J Sci & Tech Res



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Submission Link: <https://biomedres.us/submit-manuscript.php>

Conflict of Interest

The author declares no conflicts of interest.

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