

The Impact of Climate Change on Infectious Disease Patterns

Rowan Mitchell

PhD

Tsinghua University
Beijing, 100084, China

Drew Miller

Dr.

University of Buenos Aires
Buenos Aires, CABA, Argentina

Nico Evans

Prof.

Cairo University
Cairo 12613, Egypt

Abstract. This article examines the impact of climate change on the patterns and spread of infectious diseases. It discusses how changing temperatures and weather patterns influence disease vectors and transmission. The study aims to highlight the importance of integrating climate considerations into public health planning and disease prevention strategies.

Keywords: Climate Change, Infectious Diseases, Public Health, Disease Vectors, Prevention Strategies

Introduction

Climate change is not only an environmental issue but also a significant public health challenge, affecting the patterns and spread of infectious diseases. This article explores how changing temperatures, precipitation, and extreme weather events influence the distribution and transmission of infectious diseases. It highlights the role of climate change in altering disease dynamics, affecting vectors like mosquitoes and ticks, and increasing the risk of outbreaks. The article underscores the necessity of integrating climate considerations into public health planning and disease prevention strategies to mitigate these impacts. As the global climate continues to change, understanding its implications for infectious disease patterns is crucial for developing effective responses.

This is a preliminary version. To read the full version of the article, please purchase a subscription.

References

1. Sabri, M. (2021, August). Prophylactic Examinations For Cervical Cancer–Mandatory Precaution That Can Save A Life. In Varna Medical Forum (Vol. 10, No. 2, pp. 443-448).
2. Насруллаева, М. М., & Султанова, М. М. (2013). Дакриоцистит новорожденных при синдроме дауна (случай из клиники). Azərbaycan Oftalmologiya Jurnalı, (12), 91-93.

3. Хвисюк, О. М., et al. "Інноваційні освітні технології в реалізації програм безперервного професійного розвитку лікарів." Медична освіта 4 (2014): 124-127.
4. Khvystiuk, O. M., Marchenko, V. H., Zherebkin, V. V., Zhadan, I. A., Soboljeva, I. A., Bodnja, K. I. et. al. (2014). Innovatsiini osviti tekhnolohii v realizatsii prohram bezperervnoho profesiinoho rozvytku likariv [Innovative educational technologies in implementation of programs of continuous professional development of doctors]. Medical Education, 4, 124–127. doi: 10.11603/me.v0i2.3651