The Impact of Climate Change on Vector-Borne Diseases

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Abstract. This article investigates the impact of climate change on the spread of vector-borne diseases. It examines the influence of changing climate patterns on the distribution and prevalence of diseases like malaria and dengue. The study analyzes data from various regions to understand how climate change affects vectors and disease transmission. By highlighting case studies and research findings, the article emphasizes the urgent need for adaptive strategies and policies to address the health impacts of climate change. The findings advocate for global cooperation to mitigate risks.

Keywords: climate change, vector-borne diseases, malaria, dengue, global health

Introduction

Climate change poses a significant threat to global health by influencing the spread and prevalence of vector-borne diseases. This article examines the impact of changing climate patterns on the distribution of diseases such as malaria and dengue, focusing on how these changes affect vectors and disease transmission dynamics. By analyzing regional data and case studies, the article highlights the urgent need for adaptive strategies and policies to address the health impacts of climate change. The findings underscore the importance of global cooperation in developing and implementing measures to mitigate the risks associated with vector-borne diseases.

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