

Impact of Climate Change on Public Health Outcomes

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Abstract. This article explores the multifaceted effects of climate change on public health, focusing on environmental and social determinants. It examines how rising temperatures, extreme weather events, and shifting disease patterns impact vulnerable populations. The study emphasizes the need for integrated policy approaches to mitigate these effects and promote adaptive strategies in healthcare systems. By analyzing current data and case studies, the paper provides insights into future challenges and potential solutions in public health planning.

Keywords: Climate Change, Public Health, Adaptation, Resilience, Policy

Introduction

Climate change poses an unprecedented threat to global health. As temperatures rise, the frequency and intensity of extreme weather events increase, leading to significant public health challenges. These include increased incidence of heat-related illnesses, shifts in vector-borne diseases, and exacerbated chronic conditions due to poor air quality. Vulnerable populations, particularly in low-income regions, face the greatest risks due to limited adaptive capacity. This paper examines the pathways through which climate change impacts health outcomes and discusses strategies for enhancing resilience in healthcare systems. By integrating environmental health policies with public health initiatives, we can better prepare for and mitigate the adverse health effects of a changing climate.

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