

# Water Quality and Its Effects on Community Health

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**Abstract.** This research explores the link between water quality and public health in communities worldwide. It highlights the health risks associated with contaminated water sources, including waterborne diseases. The article discusses strategies for improving water quality and ensuring access to safe drinking water. It emphasizes the role of government policies and community initiatives in safeguarding public health and preventing disease outbreaks related to poor water quality.

**Keywords:** Water Quality, Public Health, Contamination, Safe Drinking Water, Community Health

## Introduction

Access to clean and safe drinking water is a fundamental human right and a critical component of public health. Contaminated water sources pose severe health risks to communities, leading to outbreaks of waterborne diseases such as cholera, dysentery, and hepatitis. This article examines the impact of water quality on community health, emphasizing the necessity for robust water management practices and infrastructure improvements. By exploring successful case studies and government policies, the study provides insights into effective strategies for ensuring safe water access. Community initiatives play a vital role in promoting awareness and safeguarding public health against the threats of contaminated water.

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