The Influence of Air Pollution on Respiratory Health: A Global Public Health Challenge

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Abstract. This study examines the impact of air pollution on respiratory health, highlighting it as a critical global public health issue. By analyzing data from various regions, we assess the correlation between air pollution levels and respiratory diseases such as asthma and chronic obstructive pulmonary disease (COPD). The paper calls for urgent international collaboration to implement effective air quality management policies. Our findings stress the need for public awareness campaigns and policy interventions to mitigate the adverse health effects of air pollution.

Keywords: Air Pollution, Respiratory Health, Public Health, Asthma, COPD

Introduction

Air pollution remains one of the most pressing environmental health challenges of our time, with significant impacts on respiratory health. This paper explores the relationship between air pollution and respiratory diseases, focusing on asthma and chronic obstructive pulmonary disease (COPD). By analyzing global data, we assess the extent of the problem and the need for effective public health interventions. Our study emphasizes the importance of international collaboration in air quality management and the role of public awareness campaigns in addressing this issue.

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