How do different environmental and socioeconomic variables lead to health disparities across London boroughs?

**Abstract**

**Context and Motivation:** Vast inequalities in health status are discernible across the 33 London local authority districts, to the alarm of policymakers. Influencing these disparities are a range of socioeconomic variables, notably: the proportion of ethnic minorities, income, and education per authority. Consequently, many policy recommendations to address these determinants have been outlined. However, there is minimal literature on the accumulative effect of these variables on health. Moreover, recent research further suggests that environmental factors are important in influencing health outcomes. Indeed, there are environmental differences across the London local authorities, especially regarding air pollution, noise pollution, and green space, which may contribute to the health disparities prevalent. Thus, it is imperative to understand the links between environment and health, in addition to the links between socioeconomic position and health. Furthermore, it becomes necessary to compare the effects of socioeconomic and environmental determinants of health, in order to identify a factor of greater concern, and set a policy agenda for policymakers.

**Methods:**

**Results:**