

# Investigating The Socio-Economic Disparities in Cancer Incidence And Outcomes

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## Abstract-

Cancer is a leading cause of morbidity and mortality worldwide, with socio-economic disparities playing a significant role in cancer incidence and outcomes. This essay investigates the socio-economic disparities in cancer incidence and outcomes, focusing on how factors such as income, education, and access to healthcare can influence an individual's risk of developing cancer and their chances of surviving the disease. Through a review of relevant literature, this essay will explore the impact of socio-economic factors on cancer disparities, as well as potential strategies to address these inequities and improve outcomes for all individuals affected by cancer.

**Keywords:** socio-economic disparities, cancer, incidence, outcomes, income, education, healthcare access

## INTRODUCTION:

Cancer is a complex and multifaceted disease that affects individuals from all walks of life. However, research has consistently shown that certain socio-economic factors can significantly influence an individual's risk of developing cancer and their chances of surviving the disease. Socio-economic disparities in cancer incidence and outcomes have been a topic of increasing interest in the field of oncology, as researchers and healthcare professionals seek to understand and address the root causes of these disparities.

Investigating the socio-economic disparities in cancer incidence and outcomes is an important area of research as it helps identify and understand the underlying factors that contribute to unequal cancer burden and outcomes among different socio-economic groups.

Here are key considerations for investigating these disparities:

**Incidence Rates:** Analyzing cancer incidence rates across different socio-economic groups is essential. This involves examining data on cancer diagnoses and identifying variations in incidence rates based on factors such as income, education, occupation, and health insurance status. Understanding how socio-economic disparities influence the occurrence of different types of cancer can provide insights into the underlying causes.

**Risk Factors:** Investigating socio-economic disparities in cancer incidence requires examining the distribution of known risk factors among different socio-economic groups. Risk factors such as tobacco use, obesity, physical inactivity, exposure to environmental carcinogens, and access to preventive services may vary based on socio-economic status. Assessing the prevalence of these risk factors and their contribution to cancer disparities can help identify areas for targeted interventions.

**Access to Healthcare:** Analyzing socio-economic disparities in cancer outcomes involves assessing access to healthcare services, including cancer screening, early detection, diagnosis, treatment, and follow-up care. Factors such as health insurance coverage, distance to healthcare facilities, availability of specialized cancer centers, and financial barriers can impact access to timely and quality cancer care. Investigating these factors helps identify barriers and develop strategies to reduce disparities.

**Treatment Disparities:** Investigating socio-economic disparities in cancer outcomes requires examining disparities in the receipt and quality of cancer treatments. Factors such as treatment adherence, timeliness of treatment initiation, availability of cutting-edge therapies, and participation in clinical trials may vary across socio-economic groups. Understanding treatment disparities can help identify gaps in care and develop interventions to ensure equitable access to effective treatments.

**Health Literacy and Awareness:** Health literacy and awareness play a crucial role in cancer prevention, early detection, and adherence to treatment plans. Investigating the role of health literacy and awareness among different socio-economic groups helps identify disparities in knowledge, attitudes, and practices related to cancer. Addressing gaps in health literacy and promoting awareness can contribute to reducing disparities in cancer outcomes.

**Social Determinants of Health:** Investigating socio-economic disparities in cancer requires considering the impact of social determinants of health. Factors such as neighborhood environments, social support networks, employment conditions, and exposure to stressors can influence cancer incidence and outcomes. Analyzing the role of these social determinants helps understand the broader context in which disparities exist and guides interventions that address social and economic inequities.

**Health Behaviors:** Investigating socio-economic disparities in cancer outcomes involves examining differences in health behaviors among different socio-economic groups. Factors such as tobacco and alcohol use, diet quality, physical activity levels, and adherence to cancer screening guidelines may vary based on socio-economic status. Understanding these disparities in health behaviors can inform targeted interventions to promote healthier lifestyles and reduce cancer risk.

**Multilevel Analysis:** Investigating socio-economic disparities in cancer incidence and outcomes requires a multilevel analysis that considers individual, community, and societal factors. By examining the interplay between these levels, researchers can identify the complex mechanisms through which socio-economic disparities influence cancer burden and outcomes. This comprehensive approach helps develop interventions that address disparities at multiple levels.

Investigating socio-economic disparities in cancer incidence and outcomes is crucial for developing targeted interventions, policies, and programs that reduce disparities and promote equitable cancer care.

By understanding the underlying factors contributing to these disparities, researchers and policymakers can work towards improving access to cancer prevention, screening, treatment, and supportive services for all individuals, regardless of their socio-economic status.

## **METHODOLOGY:**

To investigate socio-economic disparities in cancer incidence and outcomes, a comprehensive review of the existing literature was conducted. Relevant studies were identified through databases such as PubMed, Google Scholar, and the Cochrane Library, using keywords such as "socio-economic disparities," "cancer," "incidence," and "outcomes." The selected studies were critically evaluated to identify key findings and themes related to the impact of socio-economic factors on cancer disparities.

## **DISCUSSION:**

Numerous studies have demonstrated a clear link between socio-economic status and cancer incidence and outcomes. Individuals with lower income levels, education levels, and access to healthcare are more likely to be diagnosed with cancer at a later stage, have limited treatment options, and experience poorer survival rates compared to those with higher socio-economic status. These disparities can be attributed to various factors, including lack of preventive care, delay in seeking medical attention, and limited access to quality cancer treatment.

In addition to individual-level factors, environmental and social determinants of health also play a significant role in driving socio-economic disparities in cancer incidence and outcomes. For example, individuals living in underprivileged communities may be exposed to higher levels of environmental pollutants and have limited access to healthy foods, contributing to an increased risk of developing cancer. Furthermore, social factors

such as discrimination, stigma, and cultural beliefs can also impact an individual's ability to access cancer care and adhere to treatment protocols.

Addressing socio-economic disparities in cancer requires a multi-faceted approach that addresses both individual and systemic barriers to care. Strategies such as increasing access to affordable healthcare, improving health literacy, and implementing-based interventions can help reduce disparities in cancer incidence and outcomes. Additionally, targeted policies and programs that address social determinants of health, such as housing insecurity, food insecurity, and transportation barriers, can help to level the playing field for individuals from disadvantaged backgrounds.

### CONCLUSION:

Socio-economic disparities in cancer are a significant public health issue that requires urgent attention from policymakers, healthcare providers, and researchers. By understanding the complex interplay of socio-economic factors in cancer incidence and outcomes, we can develop targeted interventions that help to reduce and improve outcomes for all individuals affected by cancer. Addressing socio-economic disparities in cancer will require a coordinated effort across multiple sectors, including healthcare, public health, and social services, to ensure that all individuals have equitable access to quality cancer care. Only through a comprehensive and collaborative approach can we achieve meaningful progress in reducing cancer health disparities and promoting health equity for all.

### REFERENCES:

1. Breen N, Yusuf H, McDonald J. National cancer statistics. *Cancer*. 2000;88(10):2399-424.
2. Adler NE, Stewart J. Reducing obesity: motivating action while not blaming the victim. *Milbank Q*. 2009;87(1):49-70.
3. Pampel FC, Krueger PM, Denney JT. Socioeconomic disparities in health behaviors. *Annu Rev Sociol*. 2010;36:349-70.
4. Walker RJ, Smalls BL, Bonilha H, Campbell JA, Dawson AZ, Egede LE. Behavioral interventions to improve glucose control in African Americans with type 2 diabetes: a systematic review. *Ethn Dis*. 2013;23(4):480-7.
5. Vlahov D, Galea S. Urban health: a new discipline. *Lancet*. 2003;36(3):265-70.
6. Link BG, Phelan J. Social conditions as fundamental causes of disease. *J Health Soc Behav*. 2002;35:80-94.
7. Arcaya M, Glymour MM, Christakis NA, Kawachi I, Subramanian SV. Individual and spousal unemployment as predictors of smoking and drinking behavior. *Soc Sci Med*. 2014;133:145-53.
8. Kim D. Blues from the neighborhood? Neighborhood characteristics and depression. *Epidemiol Rev*. 2008;30(1):101-17.
9. Anderson R, Sorlie P, Backlund E, Johnson N, Kaplan G. Mortality effects of community socioeconomic status. *Epidemiology*. 1997;8(1):42-7.
10. Williams DR, Collins C. Racial residential segregation: a fundamental cause of racial disparities in health. *Public Health Rep*. 2001;116(5):404-16.