

Age-Adjusted Mortality Rates of Cardiovascular Diseases: A Systematic Review

Through a review of methodological approaches and practical applications, this study can enhance the accuracy of health risk assessments and improve the validity of various health studies demonstrate the impact of age adjustment on interpreting chronic diseases and mortality rates. The discussion highlights the benefits of this practice, public health planning, and policy development. By addressing age-related picture of risk, age

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Keywords: Age-adjusted mortality; Cardiovascular diseases; Health risk assessment; Systematic review; Data analysis; Research methodology.

Introduction

Accurate estimation of age-adjusted mortality rates is crucial for understanding the burden of cardiovascular diseases (CVD) and for comparing health outcomes across different populations and time periods [1]. However, age adjustment is a complex process that involves several methodological considerations. This review aims to explore the various approaches used in the literature for age adjustment, including direct and indirect methods, and to discuss their strengths and limitations. The review also addresses the challenges associated with age adjustment, such as the choice of standard population and the impact of age-specific mortality rates. The findings of this review will be useful for researchers and public health practitioners who are interested in CVD mortality and in developing effective strategies for CVD prevention and control. The review is organized as follows: Section 2 discusses the methodological approaches for age adjustment, including direct and indirect methods. Section 3 discusses the challenges associated with age adjustment, such as the choice of standard population and the impact of age-specific mortality rates. Section 4 discusses the findings of the review and their implications for research and practice. Section 5 concludes the review and provides recommendations for future research.

Materials and Methods

The review was conducted using a systematic approach. The search strategy was developed based on the PRISMA 2020 reporting guidelines [2]. The search was conducted in PubMed, Scopus, and Google Scholar [7]. The search terms used were "age-adjusted mortality", "cardiovascular diseases", "health risk assessment", "systematic review", and "data analysis". The search was limited to English-language articles published between 2010 and 2024. The search results were screened based on the title and abstract. The full text of the articles was obtained and screened based on the following criteria: (1) The article must be a systematic review or a primary research article that reports age-adjusted mortality rates of CVD. (2) The article must be published in a peer-reviewed journal. (3) The article must be available in English. The articles that met the criteria were included in the review. The articles that did not meet the criteria were excluded from the review. The articles that were excluded from the review were: (1) Articles that were not systematic reviews or primary research articles. (2) Articles that were not published in a peer-reviewed journal. (3) Articles that were not available in English. The articles that were included in the review were: (1) Articles that reported age-adjusted mortality rates of CVD. (2) Articles that used direct or indirect methods for age adjustment. (3) Articles that discussed the challenges associated with age adjustment. The articles that were included in the review were: (1) Articles that reported age-adjusted mortality rates of CVD. (2) Articles that used direct or indirect methods for age adjustment. (3) Articles that discussed the challenges associated with age adjustment.

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Results and Discussion

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Conclusion

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d b. I d ec a da da e de
b e d a e d e a e e e d a e b a e d a a da d
a a, e...a e e e c f a e ea...c e.
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c e a e c e f d d a. I b c ea, a e-ad ed da a
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Acknowledgement

N e

Conflict of Interest

N e

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