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Review

Social Isolation and Social Support Influence Health Service Utilisation and Survival after a Cardiovascular Disease Event: A Systematic Review

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Abstract: Both cardiovascular disease (CVD) and social health carry high health and economic burdens. We undertook a systematic review to investigate the association between social isolation, low social support, and loneliness with health service utilisation and survival after a CVD event among people living in Australia and New Zealand. Four electronic databases were systematically searched for the period before June 2020. Two reviewers undertook the title/abstract screen. One reviewer undertook a full-text screen and data extraction. A second author checked data extraction. Of 756 records, 25 papers met our inclusion criteria. Included studies recruited 10-12,821 participants, aged 18-98 years, and the majority were males. Greater social support was consistently associated with better outcomes on four of the five themes (discharge destination, outpatient rehabilitation attendance, rehospitalisation and survival outcomes; no papers assessed the length of inpatient stay). Positive social health was consistently associated with better discharge designation to higher independent living. As partner status and living status did not align with social isolation and social support findings in this review, we recommend they not be used as social health proxies. Our systematic review demonstrates that social health is considered in cardiac care decisions and playsa role in how healthcare is being delivered (i.e., outpatient, rehabilitation, or nursing home). This likely contributes to our finding that lower social support is associated with high-intensity healthcare services, lower outpatient rehabilitation attendance, greater rehospitalisation and poorer survival. Given our evidence, the first step to improve cardiac outcomes is acknowledging that social health is part of the decision-making process. Incorporating a formal assessment of social support into healthcare management plans will likely improve cardiac outcomes and survival. Further research is required to assess if support person/s need to engage in the risk reduction behaviours themselves for outpatient rehabilitation to be effective. Further synthesis of the impact of social isolation and loneliness on health service utilisation and survival after a CVD event is required.

Keywords: social isolation; social support; loneliness; cardiac rehabilitation; cardiovascular diseases; rehabilitation; interpersonal relations

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Cardiovascular disease (CVD) is the leading cause of death globally [1] and carries a high economic burden, which is driven largely by productivity and direct healthcare costs [2,3]. It is essential to identify factors that influence health service utilisation and subsequent CVD events, to mitigate the significant health and economic burden of CVD. Poor social health is a modifiable risk factor for CVD [4] and mortality [5] and also carries a high health and economic burden. Social health refers to a person's ability to form fulfilling, meaningful relationships; a person's ability to adapt in social situations; and support from other people, institutions, and services. The concepts of social isolation, loneliness, and social support are often discussed in relation to social health. How these concepts are defined



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Social Support And Cardiovascular Disease

JS Bruner

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Table of Contents Social Support And Cardiovascular Disease

- 1. Understanding the eBook Social Support And Cardiovascular Disease
 - The Rise of Digital Reading Social Support And Cardiovascular Disease
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Social Support And Cardiovascular Disease
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Social Support And Cardiovascular Disease
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Social Support And Cardiovascular Disease
 - Personalized Recommendations
 - Social Support And Cardiovascular Disease User Reviews and Ratings
 - Social Support And Cardiovascular Disease and Bestseller Lists
- 5. Accessing Social Support And Cardiovascular Disease Free and Paid eBooks
 - Social Support And Cardiovascular Disease Public Domain eBooks
 - Social Support And Cardiovascular Disease eBook Subscription Services
 - Social Support And Cardiovascular Disease Budget-Friendly Options

- 6. Navigating Social Support And Cardiovascular Disease eBook Formats
 - o ePub, PDF, MOBI, and More
 - Social Support And Cardiovascular Disease Compatibility with Devices
 - Social Support And Cardiovascular Disease Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - o Adjustable Fonts and Text Sizes of Social Support And Cardiovascular Disease
 - Highlighting and Note-Taking Social Support And Cardiovascular Disease
 - Interactive Elements Social Support And Cardiovascular Disease
- 8. Staying Engaged with Social Support And Cardiovascular Disease
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Social Support And Cardiovascular Disease
- 9. Balancing eBooks and Physical Books Social Support And Cardiovascular Disease
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Social Support And Cardiovascular Disease
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Social Support And Cardiovascular Disease
 - Setting Reading Goals Social Support And Cardiovascular Disease
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Social Support And Cardiovascular Disease
 - Fact-Checking eBook Content of Social Support And Cardiovascular Disease
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements

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