Promoting Social Connectedness and Mental Well-Being Among Elderly Populations

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ABSTRACT

Promoting social connectedness and mental well-being among elderly populations is imperative for enhancing their quality of life and overall health. Social connectedness, encompassing the quality and quantity of relationships, plays a vital role in providing emotional support, stimulating cognitive function, and improving physical health. Additionally, maintaining social connections gives older adults a sense of purpose and belonging, contributing to their overall well-being. Mental well-being, comprising emotional, psychological, and social aspects, is crucial for seniors due to its impact on reducing the risk of depression, enhancing resilience, and improving quality of life.

However, statistics highlight the prevalence of social isolation and loneliness among older adults in India, with approximately 34% experiencing social isolation and 55.4% facing loneliness. Factors influencing social connectedness include living arrangements, community engagement, access to transportation, socioeconomic status, health status, technology use, social support networks, and cultural and ethnic factors.

Effective interventions and strategies to promote social connectedness and mental well-being among the elderly include community-based programs, support groups, and technology-based solutions. Senior citizen associations, day care centers for the elderly, multi-generational community events, self-help groups, widow support groups, chronic disease management clubs, mobile apps for seniors, telemedicine services, and digital literacy initiatives are essential components of these interventions.

Religion also plays a significant role in promoting social connectedness and mental well-being among elders through community and social support, meaning and purpose, coping mechanisms, moral and ethical guidance, and a sense of belonging to a larger community.

In conclusion, it is crucial for policymakers, healthcare professionals, and community organizations to prioritize initiatives aimed at supporting the social connectedness and mental well-being of elderly individuals. By actively engaging in these efforts, conference attendees can make a tangible difference in the lives of older adults, ensuring that they feel valued, supported, and connected within their communities.

KEYWORDS

Community Support; Elderly; Intervention; Loneliness; Mental Well-Being; Religion, Social Connectedness; Social Isolation

1. Introduction

In today's world, demographic shifts are happening at a rapid pace, which makes the well-being of elderly populations a critical concern, especially in countries like India where a large part of society is aging. This paper explores the crucial role of social connectedness and mental well-being among the elderly in India. As social structures change and traditional support systems transform, it becomes critical to understand the various dynamics of social isolation, loneliness, and community engagement. In this context, it is important to explore effective interventions, such as community-based programs, support groups, and technological innovations, which can offer valuable insights into addressing the complex challenges faced by older adults and promoting their holistic welfare.

Social connectedness refers to the quality and quantity of relationships and interactions an individual has with others within their social network.

The **mental well-being** of elderly individuals refers to their overall emotional, psychological, and social health and functioning, encompassing aspects such as life satisfaction, resilience, and the ability to cope with stressors and maintain meaningful social connections.

2. Importance of Maintaining Social Connections

Maintaining social connections is paramount for the well-being of older adults, offering a plethora of benefits that encompass emotional, cognitive, physical, and existential dimensions. Through the provision of emotional support, stimulation of cognitive function, promotion of physical health, and fostering of a sense of purpose and belonging, social connections play a pivotal role in enhancing the overall quality of life for seniors. In this discourse, we delve into the multifaceted importance of nurturing social connections in later life, drawing upon empirical evidence to elucidate the profound impact of social engagement on the mental and physical well-being of older adults.
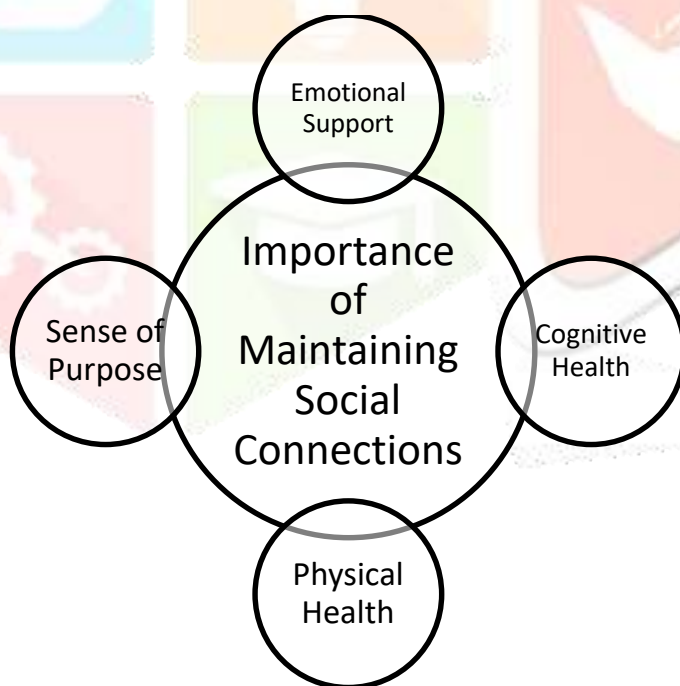

Figure 1: Importance of Maintaining Social Connections

1. **Emotional Support:** Maintaining social connections is crucial for the well-being of older adults, offering a multitude of benefits that span emotional, cognitive, physical, and existential realms. Firstly, social connections serve as a cornerstone for emotional support, aiding elders in navigating life's inevitable challenges and transitions. Research by Ozbay *et al.* (2007) underscores how the presence of a supportive social network can buffer against the detrimental effects of stress and foster resilience in the face of adversity.

2. **Cognitive Health:** Secondly, the impact of social engagement on cognitive health cannot be overstated. Regular interaction with others and participation in social activities stimulate cognitive function, contributing to the preservation of mental acuity and reducing the risk of cognitive decline

and dementia. As highlighted by Sommerlad *et al.* (2023), maintaining an active social life is associated with improved cognitive outcomes and a lower likelihood of developing debilitating neurodegenerative conditions.

3. **Physical Health:** Moreover, social connections exert a profound influence on physical health outcomes among seniors. Studies, such as the one conducted by Simionato et al. (2023), consistently demonstrate that older adults who maintain robust social networks tend to experience better overall health and exhibit lower rates of chronic illnesses. The camaraderie and support provided within social circles often encourage healthier lifestyle behaviors, such as regular physical activity and adherence to medical regimens, further contributing to enhanced physical well-being.

4. **Sense of Purpose:** Beyond the tangible health benefits, nurturing social connections imbues older adults with a sense of purpose and belonging. Cornwell *et al.* (2008) emphasize how meaningful social interactions foster a sense of connectedness to others and imbue life with significance, instilling a profound sense of belonging within one's community. Whether through participation in group activities, volunteering, or simply maintaining regular contact with friends and family, older adults derive fulfillment from their social relationships, reinforcing their sense of identity and purpose in later life.

In essence, the importance of maintaining social connections for older adults cannot be overstated. These connections provide a vital lifeline of emotional support, contribute to cognitive vitality, promote physical well-being, and cultivate a sense of purpose and belonging. By prioritizing the cultivation and preservation of social relationships, society can empower older adults to age gracefully, with resilience, vitality, and a profound sense of connectedness to the world around them.

3. Importance of Mental Well-Being in Elderly

Mental well-being encompasses a person's emotional, psychological, and social well-being. It is essential for elderly individuals to prioritize mental well-being due to the following reasons:

1. **Reduced Risk of Depression:** Social isolation and loneliness significantly increase the susceptibility of older adults to depression. Research by Martino *et al.* (2015) highlights that maintaining social connections and participating in meaningful activities play pivotal roles in alleviating feelings of loneliness and reducing the risk of depression among seniors. By fostering a sense of belonging and companionship, regular social interactions act as protective factors against the onset of depressive symptoms, promoting mental well-being in later life.

2. **Enhanced Resilience:** Strong social support networks serve as pillars of resilience for older adults, offering invaluable emotional and practical assistance during times of adversity or life transitions. Studies, such as the one conducted by Reynolds *et al.* (2022), underscore the role of friends, family members, and community support systems in bolstering resilience among seniors. Having reliable sources of support enables older adults to navigate challenges more effectively, empowering them to adapt to change, cope with stressors, and maintain psychological well-being despite the inevitable ups and downs of life.
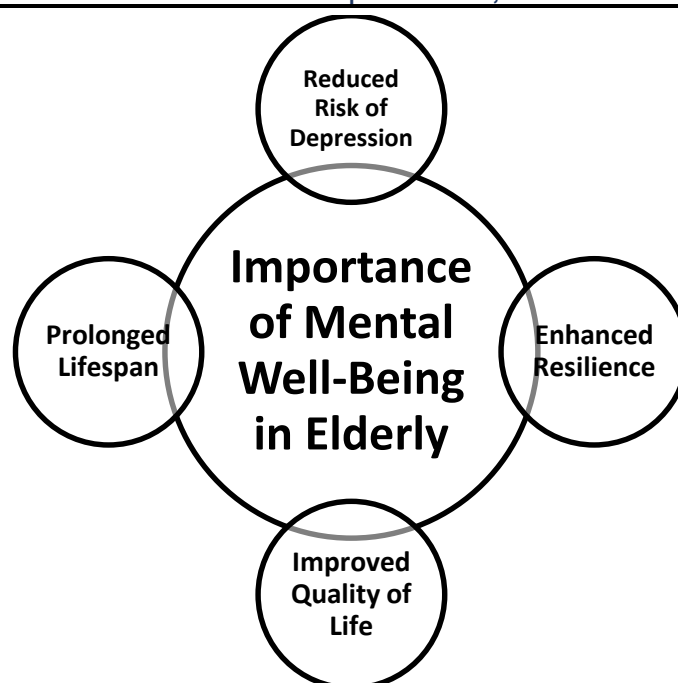
Figure 2: Importance of Mental Well-Being in Elderly

3. **Improved Quality of Life:** Mental well-being plays a pivotal role in shaping the overall quality of life for older adults. Seniors who prioritize their mental health and engage in activities that bring them joy and fulfillment tend to experience greater life satisfaction and happiness. As noted by Sharif *et al.* (2018), fostering a positive outlook and engaging in meaningful pursuits contribute to an enhanced quality of life in later years. By nurturing social connections, pursuing hobbies, and cultivating a sense of purpose, older adults can enrich their lives and enjoy a fulfilling and satisfying existence in their golden years.

4. **Prolonged Lifespan:** Maintaining strong social connections has been linked to a longer lifespan among older adults. A study by Holt-Lunstad *et al.* (2010) found that individuals with robust social networks had a significantly reduced risk of premature mortality. By fostering social connections and participating in social activities, older adults not only experience improved mental well-being but also reap the benefits of enhanced physical health, ultimately contributing to a longer and more fulfilling life.

4. Statistics Highlighting the Prevalence of Social Isolation and Loneliness Among Older Adults

- India is home to one-fourth of the global geriatric population.
- The elderly population will rise to 319 million by 2050 (World Population prospects 2019: Data Booklet, 2019).
- According to the Ministry of Statistics & Programme Implementation, Government of India, 2021, approximately 13% of the population in India will comprise adults aged 60 years or above (NSO, Elderly in India, 2021).
- The prevalence of social isolation among elderly in India is almost 34%, and research evidence cites a rising trend of this phenomenon (Kumar *et al.*, 2022).
- Further, prevalence of loneliness among Indian older adults is also alarming with almost 55.4% of older adults experiencing loneliness (Grover *et al.*, 2019).

5. Factors Influencing Social Connectedness

1. **Living Arrangements:** The type of living arrangement can significantly impact social connectedness. Seniors living alone may be at higher risk of social isolation, while those living in retirement communities, assisted living facilities, or with family members may have more opportunities for social interaction (Jon *et al.*, 2022).

2. **Community Engagement:** Involvement in community activities, clubs, and organizations can foster social connections among older adults. Participation in religious groups, volunteer work, hobby groups, or senior centers provides opportunities for socializing and building friendships (Dehi Aroogh & Mohammadi Shahboulaghi, 2020).

3. **Access to Transportation:** Limited access to transportation can hinder social connectedness by restricting older adults' ability to attend social events, visit friends and family, or engage in recreational activities. Accessible transportation options are essential for maintaining social connections, especially for those who no longer drive (Abdul Latiff & Mohd, 2023).

4. **Socioeconomic Status:** Socioeconomic factors, such as income level and education, can influence social connectedness. Older adults with higher socioeconomic status may have greater access to resources and opportunities for social engagement, while those with lower socioeconomic status may face barriers to participation in social activities (Craig *et al.*, 2023).

5. **Health Status:** Physical and mental health can impact an individual's ability to maintain social connections. Chronic health conditions, mobility limitations, and cognitive decline may limit older adults' participation in social activities and reduce opportunities for social interaction (Umberson & Montez, 2010).

6. **Technology Use:** Access to technology, such as smartphones, computers, and social media platforms, can facilitate social connectedness among older adults. Technology enables seniors to stay connected with family and friends, participate in online communities, and access information and resources (Chopik, 2016).

7. **Social Support Networks:** The presence of strong social support networks, including family members, friends, and neighbors, plays a vital role in fostering social connectedness among older adults. Supportive relationships provide emotional, practical, and instrumental support, enhancing overall well-being and resilience (Ozbay *et al.,* 2007).

8. **Cultural and Ethnic Factors:** Cultural and ethnic backgrounds influence social norms, values, and socialization patterns, which can impact social connectedness among elderly individuals. Cultural communities may provide unique sources of social support and opportunities for social engagement (Huxhold *et al.,* 2022).

Assistance for seniors, especially after they retire or when dealing with cognitive or physical challenges, is crucial for preserving their personal sense of belonging and staying connected with family, friends, and the wider community.

6. Social Connectedness Improves the Mental Well Being of Elders

Social connectedness plays a crucial role in enhancing the mental well-being of older adults. As individuals age, they often face various challenges such as physical limitations, loss of loved ones, and changes in social roles, which can lead to feelings of loneliness and isolation. However, maintaining strong social connections can mitigate these negative effects and promote a sense of belonging and purpose in later life.

Strong social connections are linked to improved health and longevity, while our sense of belonging and group identity significantly impact well-being. Understanding these factors offers valuable insights for those seeking to enhance health outcomes (Haslam *et al.,* 2018).

Research consistently highlights the positive impact of social interactions on the mental health of elders. A study conducted by Cornwell and Waite (2009) found that older adults who reported higher levels of social connectedness experienced lower rates of depression and anxiety. Similarly, findings from a longitudinal study by Holt-Lunstad *et al.* (2010) revealed that older adults with larger social networks had a reduced risk of cognitive decline compared to those with limited social connections.

One of the key mechanisms through which social connectedness improves mental well-being is by providing emotional support. Engaging in regular conversations and activities with friends, family members, and peers allows older adults to express their feelings, share experiences, and receive reassurance during times of distress. According to a meta-analysis by Holt-Lunstad *et al.* (2015), perceived social support is associated with lower levels of stress and a greater sense of psychological well-being among older individuals.

Furthermore, social interactions offer opportunities for intellectual stimulation and cognitive engagement, which are essential for maintaining mental acuity in old age. Participation in group activities, such as book clubs, community classes, or volunteer work, not only fosters social connections but also stimulates the brain through learning and problem-solving. The Benefits of Cognitive Stimulation Therapy (CST) for people with dementia, as outlined in a study by Spector *et al.* (2003), underscore the importance of social engagement in preserving cognitive function and delaying cognitive decline among older adults.

In addition to emotional and cognitive benefits, social connectedness contributes to physical health, which in turn, impacts mental well-being. Regular social engagement encourages older adults to stay physically active and adopt healthier lifestyle behaviors. Whether it's taking walks with friends, participating in group exercise classes, or simply attending social gatherings, staying active promotes overall well-being and reduces the risk of chronic conditions such as cardiovascular disease and diabetes.

Moreover, social connections serve as a source of motivation and accountability for self-care practices. Older adults who feel connected to their social networks are more likely to adhere to medication regimens, follow recommended dietary guidelines, and attend medical appointments. A systematic review by Umberson and Montez (2010) emphasized the role of social relationships in health behavior maintenance and highlighted the positive impact of social support on health outcomes among older adults.

Importantly, fostering social connectedness among elders requires addressing barriers to participation and promoting inclusivity within communities. Accessibility concerns, transportation limitations, and ageism can hinder older adults' ability to engage in social activities and maintain meaningful relationships. Intergenerational programs, community centers, and technology-based interventions offer promising avenues for overcoming these barriers and facilitating connections across age groups.

Furthermore, recognizing the diversity of older adults' social networks is essential for tailoring interventions to meet individual needs. While some elders may rely primarily on family members for support, others may have extensive social circles within their communities or religious institutions. Understanding the unique strengths and preferences of older adults can help design interventions that capitalize on existing social resources and foster a sense of belonging for all individuals.

In conclusion, social connectedness plays a vital role in promoting the mental well-being of older adults by providing emotional support, cognitive stimulation, and opportunities for physical activity. As society continues to age, addressing social isolation and loneliness among elders must be a priority to ensure healthy aging and improved quality of life. By fostering inclusive communities and supporting meaningful social connections, we can empower older adults to age with dignity, resilience, and vitality.

7. Promoting Social Connectedness and Mental Well-Being Among the Elderly

Effective interventions and strategies for promoting social connectedness and mental well-being among the elderly are as follows:
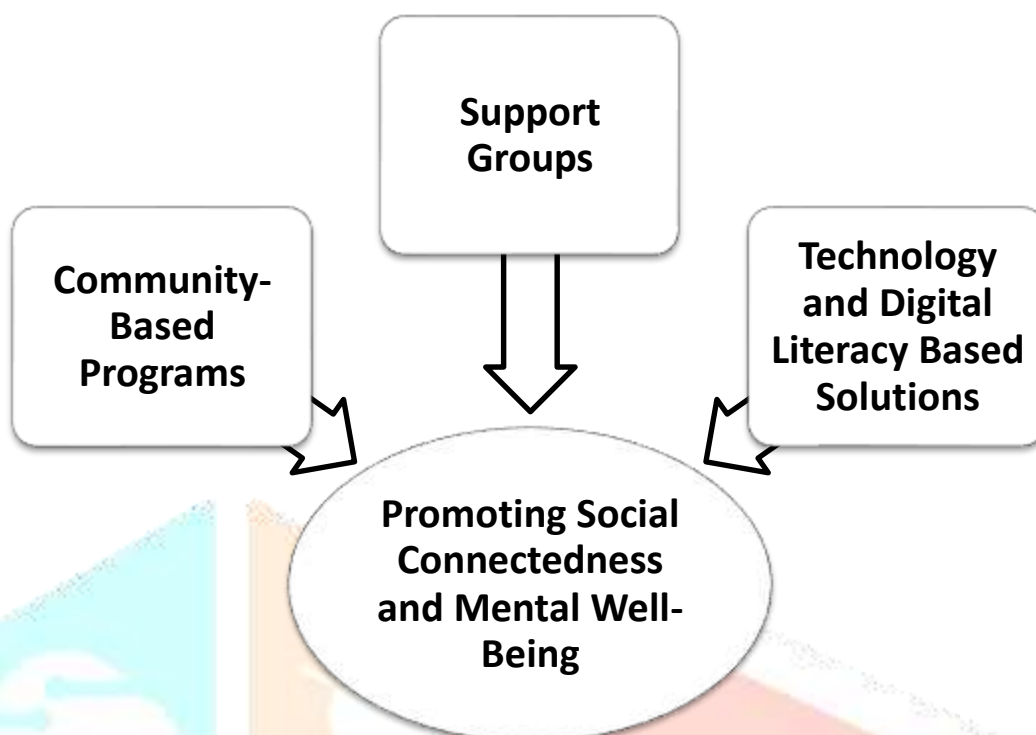

Figure 3: Promoting Social Connectedness and Mental Well-Being

7.1. Community-Based Programs

1. **Senior Citizen Associations:** Senior citizen associations offer diverse social, recreational, and cultural activities, fostering social connections and mental stimulation among older adults in India (Singh & Kiran, 2014).
2. **Day Care Centers for Elderly:** Day care centers offer a supportive environment for older adults during the day, providing opportunities for socialization, cognitive activities, and access to healthcare services. These centers are particularly beneficial for seniors living alone or with limited social support (Orellana *et al.,* 2020).
3. **Multi-Generational Community Events:** Organizing multi-generational community events, such as festivals, health camps, or sports tournaments, encourages interaction between older adults and younger generations, promoting mutual understanding and respect across age groups (Whear *et al.,* 2023).

7.2. Support Groups

1. **Elders' Self-Help Groups:** Elders' self-help groups bring together older adults facing common challenges, such as health issues, financial concerns, or loneliness. These groups provide emotional support, share resources, and advocate for the rights and welfare of seniors in the community (Khwaja, 2018).
2. **Widow Support Groups:** Widow support groups offer a space for widowed older women to share their experiences, express grief, and receive practical assistance and advice. These groups address the unique needs and challenges faced by widows in Indian society (Scott *et al.,* 2007). https://doi.org/10.1177/1558689807302453).
3. **Chronic Disease Management Clubs:** Clubs focused on managing chronic diseases, such as diabetes or hypertension, provide education, peer support, and lifestyle modification strategies to help older adults better manage their health conditions and improve their quality of life (Doull, 2017).

7.3. Technology and Digital Literacy Based Solutions

1. **Mobile Apps for Seniors:** Mobile apps designed for seniors, available in regional languages, offer features such as health monitoring, mental wellness exercises, and social networking. These apps provide user-friendly interfaces and personalized content to help older adults stay connected and engaged (Tajudeen, 2022).

2. **Telemedicine Services:** Telemedicine platforms connect older adults with healthcare professionals remotely, allowing them to receive medical consultations, prescription refills, and follow-up care without visiting a clinic. Telemedicine services bridge geographical barriers and improve access to healthcare for elderly individuals, particularly those in rural areas (Haleem, 2021)

3. **Enhanced Connectivity and Communication:** Digital literacy equips elderly individuals with the skills to effectively use smartphones and computers, enabling them to stay connected with their loved ones regardless of geographical distances. According to a survey by Agewell Foundation, approximately 85.8% of respondents were found to be digitally and computer illiterate, highlighting the pressing need for digital literacy programs (Sharma, 2019). Platforms like Skype, WhatsApp, and social media facilitate communication, reducing feelings of isolation and loneliness often experienced by older adults living away from family members.

4. **Access to Essential Services:** Digital literacy opens doors to online services such as banking, bill payments, and utility services. According to the India Brand Equity Foundation (IBEF), driven by progressive regulatory policies and increased use of mobile internet, the Indian payment industry is projected to grow at an exponential rate, with 81% of existing digital payment users preferring the medium over other non-cash payment methods (Sharma, 2019). Elderly individuals can conveniently manage their finances and pay bills without the need to physically visit banks or offices, thus saving time and effort. This accessibility fosters independence and self-reliance, crucial aspects for maintaining a high quality of life in old age.

5. **Empowerment Through Information:** With access to the internet, elderly individuals can stay informed about current events, health information, and various other topics of interest. According to Agewell Foundation, there is a keen desire among older persons to keep themselves connected with the new world order, ruled by the internet and information technology (Sharma, 2019). Digital literacy enables them to browse the web, access online news portals, and even participate in online courses to continue learning and staying intellectually engaged. This empowerment through information enhances their cognitive abilities and contributes to their overall well-being.

6. **Facilitating Healthcare Access:** Digital literacy facilitates access to telemedicine services, allowing elderly individuals to consult healthcare professionals remotely. According to the United Nations report cited in the source article, the share of older persons in India's population is projected to increase to nearly 20% in 2050 (Sharma, 2019). Through video calls and digital platforms, they can receive medical advice, schedule appointments, and even monitor their health parameters from the comfort of their homes. This not only improves access to healthcare, especially for those with mobility constraints but also promotes proactive healthcare management, leading to better health outcomes.

7. **Promoting Social Inclusion and Engagement:** Participation in digital literacy programs and online communities fosters social inclusion among the elderly population. According to HelpAge India, the uptake of digital literacy programs among the elderly is impressive, with organizations like Agewell Foundation having already trained over 35,000 elderly individuals in the last four years (Sharma, 2019). Learning to use digital tools not only connects them to friends and family but also opens avenues for interacting with peers, sharing experiences, and engaging in hobbies and interests. This social engagement contributes to their mental and emotional well-being, combating feelings of loneliness and isolation commonly associated with aging.

By embracing digital literacy initiatives tailored to the needs of the elderly population, India can empower its senior citizens to lead fulfilling and independent lives in the digital age, ensuring their inclusion in the rapidly evolving technological landscape.

Overall, by adapting the above interventions and strategies to the Indian context, communities can address the social isolation and mental health needs of older adults, promoting their well-being and inclusion in society.

8. The Role of Religion in Promoting Social Connectedness and Mental Well-Being

Religion plays a pivotal role in fostering social connectedness and enhancing mental well-being among the elderly in India. Through religious gatherings and activities, it provides a sense of community and support, offering meaning, purpose, and coping mechanisms during life's challenges. This contributes to emotional resilience and a profound sense of belonging among seniors in the Indian context.

The Role of Religion in Promoting Social Connectedness and Mental Well-Being

- **Community and Social Support**
- **Meaning and Purpose**
- **Coping Mechanisms**
- **Moral and Ethical Guidance**
- **Sense of Belonging to a Larger Community**

Figure 4: The Role of Religion in Promoting Social Connectedness and Mental Well-Being

1. **Community and Social Support:** Religious communities often provide a sense of belonging and support networks for older adults. Regular attendance at religious gatherings such as worship services, study groups, or social events fosters connections with peers who share similar beliefs and values. These social interactions can reduce feelings of loneliness and isolation, promoting emotional well-being.

2. **Meaning and Purpose:** Religion often offers a framework for understanding life's challenges and finding meaning in difficult circumstances. For many elders, religious beliefs and practices provide a sense of purpose and direction, helping them navigate life transitions, cope with loss, and find comfort during times of adversity. This sense of meaning contributes to overall psychological resilience and well-being.

3. **Coping Mechanisms:** Religious beliefs and rituals can serve as coping mechanisms for dealing with stress, grief, and illness. Prayer, meditation, and spiritual practices offer solace and hope, providing emotional support and a sense of connection to something greater than oneself. Research suggests that individuals who draw on their religious faith in times of hardship tend to experience lower levels of anxiety and depression.

4. **Moral and Ethical Guidance:** Religious teachings often emphasize principles of compassion, forgiveness, and altruism, which can guide behavior and promote positive relationships with others. Elders who are actively involved in religious communities may feel a greater sense of moral responsibility towards their fellow human beings, leading to increased acts of kindness, generosity, and social engagement.

5. **Sense of Belonging to a Larger Community:** Religion provides elders with a sense of belonging to a larger community that transcends individual identity. Belonging to a religious group can foster a sense of interconnectedness with others, promoting empathy, tolerance, and understanding across diverse backgrounds and generations.

Overall, religion can serve as a powerful resource for promoting social connectedness and mental well-being among elders by providing social support, meaning, coping mechanisms, moral guidance, and a sense of belonging to a larger community (Moreira-Almeida *et al.*, 2006).

9. Case Studies

9.1. Case Study 1: Mr. Tuteja's Journey to Overcoming Loneliness

Mr. Tuteja, a retired government employee living in Dwarka in Delhi, found himself feeling increasingly isolated after the passing of his spouse. He spent most of his days indoors, with limited social interactions. Concerned about his well-being, a neighbor introduced him to the local senior citizens' association. Through the association's weekly meetings and activities, Mr. Sharma formed new friendships and rekindled his interest in hobbies like gardening and storytelling. He found companionship and support from fellow members, which helped alleviate his feelings of loneliness and boosted his overall mood and mental well-being.

9.2. Case Study 2: Mrs. Attri's Empowerment Through Community Engagement

Mrs. Attri, a retired schoolteacher residing in Kshanpura village in district Yamunanagar of Haryana, initially struggled with adjusting to life after retirement. However, she discovered a sense of purpose and fulfillment through her involvement in the village's women's self-help group. As an active member, she participated in income-generating activities, skill-building workshops, and community development projects. Mrs. Attri's increased social engagement not only provided her with a supportive network of peers but also enhanced her self-esteem, resilience, and sense of belonging within the community. She credits the group for positively impacting her mental well-being and outlook on life.

9.3. Personal Story: Rajiv's Journey to Digital Connection

Rajiv, a septuagenarian (a person who is between 70 and 79 years old) residing in a small town in Karnataka, initially felt apprehensive about using technology but decided to give it a try at the insistence of his grandchildren. With the help of a digital literacy program offered by a local NGO, Rajiv learned how to operate a smartphone and access social media platforms. He soon discovered the joy of reconnecting with old friends, sharing memories with distant relatives, and joining online interest groups. Through virtual interactions, Rajiv experienced a renewed sense of social connectedness and mental stimulation, combating feelings of isolation and boredom. He now views technology as a valuable tool for staying connected and engaged in today's digital world.

10. Key Findings

1. Social connectedness plays a crucial role in promoting the well-being and longevity of older adults.
2. Effective interventions, such as community-based programs and support groups, can enhance social connections and mental well-being among the elderly.
3. Technology-based solutions, including digital literacy initiatives and telemedicine services, offer opportunities to bridge social gaps and improve access to healthcare for seniors.
4. Understanding social identity processes is essential for addressing a wide range of health-related issues and promoting social cures.

11. Recommendations

1. Policymakers should prioritize funding for community-based programs targeting social connectedness among older adults and invest in digital infrastructure to promote access to technology for seniors.
2. Healthcare professionals should integrate social connectedness assessments into routine care practices and collaborate with community organizations to provide holistic support for elderly patients.
3. Community organizations should continue to develop and expand initiatives that foster social connections among older adults, including intergenerational programs and digital literacy training.
4. Researchers and practitioners should further explore the role of social identity processes in health outcomes and advocate for the implementation of social cure approaches across various fields and disciplines.

12. A Pledge for Readers

1. Let's recognize the vital role we can play in supporting the social connectedness of elderly individuals.
2. Let's make a tangible difference in their lives by actively engaging in initiatives aimed at fostering meaningful interactions and community inclusion for seniors.
3. Let's participate voluntarily in intergenerational programs.
4. Let's advocating for policies that promote age-friendly environments.
5. Let's contribute to the well-being of older adults in our communities.
6. Let's commit to taking action and being agents of positive change, ensuring that every elderly individual feels valued, supported, and connected.

References

Abdul Latiff, A. R., & Mohd, S. (2023). Transport, Mobility and the Wellbeing of Older Adults: An Exploration of Private Chauffeuring and Companionship Services in Malaysia. *International journal of environmental research and public health*, *20*(3), 2720. https://doi.org/10.3390/ijerph20032720

Barrenetxea, J., Yang, Y., Pan, A., Feng, Q., & Koh, W. P. (2022). Social Disconnection and Living Arrangements among Older Adults: The Singapore Chinese Health Study. *Gerontology*, *68*(3), 330–338. https://doi.org/10.1159/000516626

Chopik W. J. (2016). The Benefits of Social Technology Use Among Older Adults Are Mediated by Reduced Loneliness. *Cyberpsychology, behavior and social networking*, *19*(9), 551–556.

Cornwell, B., Laumann, E. O., & Schumm, L. P. (2008). The Social Connectedness of Older Adults: A National Profile*. *American sociological review*, *73*(2), 185–203. https://doi.org/10.1177/000312240807300201

Cornwell, E. Y., & Waite, L. J. (2009). Social disconnectedness, perceived isolation, and health among older adults. *Journal of health and social behavior*, *50*(1), 31–48. https://doi.org/10.1177/002214650905000103

Craig, H., Gasevic, D., Ryan, J., Owen, A., McNeil, J., Woods, R., Britt, C., Ward, S., & Freak-Poli, R. (2023). Socioeconomic, Behavioural, and Social Health Correlates of Optimism and Pessimism in Older Men and Women: A Cross-Sectional Study. *International journal of environmental research and public health*, *20*(4), 3259. https://doi.org/10.3390/ijerph20043259

Dehi Aroogh, M., & Mohammadi Shahboulaghi, F. (2020). Social Participation of Older Adults: A Concept Analysis. *International journal of community based nursing and midwifery*, *8*(1), 55–72. https://doi.org/10.30476/IJCBNM.2019.82222.1055

Doull, M., O'Connor, A. M., Welch, V., Tugwell, P., & Wells, G. A. (2017). Peer support strategies for improving the health and well-being of individuals with chronic diseases. *The Cochrane Database of Systematic Reviews*, *2017*(6), CD005352. https://doi.org/10.1002/14651858.CD005352.pub2

Grover, S., Verma, M., Singh, T., Dahiya, N., & Nehra, R. (2019). Loneliness and its correlates amongst elderly attending non-communicable disease rural clinic attached to a tertiary care centre of North India. *Asian journal of psychiatry*, *43*, 189–196. https://doi.org/10.1016/j.ajp.2019.06.001

Haleem, A., Javaid, M., Singh, R. P., & Suman, R. (2021). Telemedicine for healthcare: Capabilities, features, barriers, and applications. *Sensors international*, *2*, 100117. https://doi.org/10.1016/j.sintl.2021.100117

Haslam, C., Jetten, J., Cruwys, T., Dingle, G., & Haslam, S.A. (2018). The New Psychology of Health: Unlocking the Social Cure (1st ed.). Routledge. https://doi.org/10.4324/9781315648569

Holt-Lunstad, J., Smith, T. B., & Layton, J. B. (2010). Social relationships and mortality risk: a meta-analytic review. *PLoS medicine*, *7*(7), e1000316. https://doi.org/10.1371/journal.pmed.1000316

Holt-Lunstad, J., Smith, T. B., Baker, M., Harris, T., & Stephenson, D. (2015). Loneliness and social isolation as risk factors for mortality: a meta-analytic review. *Perspectives on psychological science : a journal of the Association for Psychological Science*, *10*(2), 227–237. https://doi.org/10.1177/1745691614568352

Huxhold, O., Fiori, K. L., & Windsor, T. (2022). Rethinking Social Relationships in Adulthood: The Differential Investment of Resources Model. *Personality and social psychology review : an official journal of the Society for Personality and Social Psychology, Inc*, *26*(1), 57–82. https://doi.org/10.1177/10888683211067035

Khwaja, H. (2018). The Problems of Elderly in India. *International Journal of Research in Humanities & Social Sciences*, *6*(11), 73-77. https://www.raijmr.com/ijrhs/wp-content/uploads/2023/04/IJRHS_2018_vol06_issue_11_Eng_08.pdf

Kumar, M., Ruikar, M., & Surya, V. L. (2022). Prevalence and determinants of social isolation among elderly in an urban slum of Raipur city-A community based cross-sectional study. *International journal of geriatric psychiatry*, *37*(9), 10.1002/gps.5797. https://doi.org/10.1002/gps.5797

Martino, J., Pegg, J., & Frates, E. P. (2015). The Connection Prescription: Using the Power of Social Interactions and the Deep Desire for Connectedness to Empower Health and Wellness. *American journal of lifestyle medicine*, *11*(6), 466–475. https://doi.org/10.1177/1559827615608788

Moreira-Almeida, A., Lotufo Neto, F., & Koenig, H. G.. (2006). Religiousness and mental health: a review. *Brazilian Journal of Psychiatry*, *28*(3), 242–250. https://doi.org/10.1590/S1516-44462006005000006

NSO, Elderly in India, *National Statistical Office, Ministry of Statistics & Programme Implementation, Government of India,* New Delhi. 2021

Orellana, K., Manthorpe, J., & Tinker, A. (2020). Day centres for older people: a systematically conducted scoping review of literature about their benefits, purposes and how they are perceived. *Ageing and society*, *40*(1), 73–104. https://doi.org/10.1017/s0144686x18000843

Ozbay, F., Johnson, D. C., Dimoulas, E., Morgan, C. A., Charney, D., & Southwick, S. (2007). Social support and resilience to stress: from neurobiology to clinical practice. *Psychiatry (Edgmont (Pa. : Township))*, *4*(5), 35–40

Reynolds, C. F., 3rd, Jeste, D. V., Sachdev, P. S., & Blazer, D. G. (2022). Mental health care for older adults: recent advances and new directions in clinical practice and research. *World psychiatry: official journal of the World Psychiatric Association (WPA)*, *21*(3), 336–363. https://doi.org/10.1002/wps.20996

Scott, S. B., Bergeman, C. S., Verney, A., Longenbaker, S., Markey, M. A., & Bisconti, T. L. (2007). Social Support in Widowhood: A Mixed Methods Study. *Journal of mixed methods research*, *1*(3), 242–266. https://doi.org/10.1177/1558689807302453

Sharif, F., PhD, Jahanbin, I., MS, Amirsadat, A., MS, & Hosseini Moghadam, M., MS (2018). Effectiveness of Life Review Therapy on Quality of Life in the Late Life at Day Care Centers of Shiraz, Iran: A Randomized Controlled Trial. *International journal of community based nursing and midwifery*, *6*(2), 136–145.

Sharma, N. C. (2019, September 16). Why is digital literacy important for elderly? *Livemint*. https://www.livemint.com/education/news/why-is-digital-literacy-important-for-elderly-1568620357404.html

Simionato, J., Vally, H., & Archibald, D. (2023). Circumstances that promote social connectedness in older adults participating in intergenerational programmes with adolescents: a realist review. *BMJ open*, *13*(10), e069765. https://doi.org/10.1136/bmjopen-2022-069765

Singh, B., & Kiran, U. V. (2014). Recreational Activities for Senior Citizens. *IOSR Journal of Humanities and Social Science (IOSR-JHSS)*, *19*(4.VII), 24–30. 10.9790/0837-19472430

Sommerlad, A., Kivimäki, M., Larson, E. B., Röhr, S., Shirai, K., Singh-Manoux, A., & Livingston, G. (2023). Social participation and risk of developing dementia. *Nature aging*, *3*(5), 532–545. https://doi.org/10.1038/s43587-023-00387-0

Spector, A., Thorgrimsen, L., Woods, B., Royan, L., Davies, S., Butterworth, M., & Orrell, M. (2003). Efficacy of an evidence-based cognitive stimulation therapy programme for people with dementia: randomised controlled trial. *The British journal of psychiatry: the journal of mental science*, *183*, 248–254. https://doi.org/10.1192/bjp.183.3.248

Tajudeen, F. P., Bahar, N., Tan, M. P., Peer Mustafa, M. B., Saedon, N. I., & Jesudass, J. (2022). Understanding User Requirements for a Senior-Friendly Mobile Health Application. *Geriatrics (Basel, Switzerland)*, *7*(5), 110. https://doi.org/10.3390/geriatrics7050110

Umberson, D., & Montez, J. K. (2010). Social relationships and health: a flashpoint for health policy. *Journal of health and social behavior*, *51 Suppl* (Suppl), S54–S66. https://doi.org/10.1177/0022146510383501

United Nations, Department of Economic and Social Affairs, Population Division. *World Population prospects 2019: Data Booklet (ST/ESA/SER.A/424)*. New York, United Nations; 2019

Whear, R., Campbell, F., Rogers, M., Sutton, A., Robinson-Carter, E., Sharpe, R., Cohen, S., Fergy, R., Garside, R., Kneale, D., Melendez-Torres, G. J., & Thompson-Coon, J. (2023). PROTOCOL: What is the effect of intergenerational activities on the wellbeing and mental health of older people? *Campbell Systematic Reviews*, *19*, e1325. https://doi.org/10.1002/cl2.1325