The Impact of Urban Green Spaces on Community Health and Well-being

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Accepted: 14th April, 2024, Received in Revised Form: 9th May., 2024, Published: 3rd June, 2024

Abstract

Purpose: This study sought to investigate the impact of urban green spaces on community health and well-being.

Methodology: The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive’s time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

Findings: The findings reveal that there exists a contextual and methodological gap relating to the impact of urban green spaces on community health and well-being. Preliminary empirical review revealed that urban green spaces played a crucial role in enhancing the health and well-being of urban communities. Through a comprehensive review of literature and empirical evidence, the study found that green spaces positively influenced physical, mental, and social well-being. Access to green spaces was associated with increased physical activity levels, improved mental health outcomes, and enhanced social cohesion among residents. These findings underscored the importance of prioritizing investments in green infrastructure and ensuring equitable access to green spaces for all urban residents to promote healthier and more sustainable cities.

Unique Contribution to Theory, Practice and Policy: Biophilia Theory, Attention Restoration Theory and Social Determinants of Health Theory may be used to anchor future studies on the impact of urban green spaces on community health and well-being. The study offered valuable recommendations that contributed to theory, practice, and policy. It provided empirical evidence supporting theories like Biophilia and Attention Restoration, advocating for the integration of green spaces into urban environments. The recommendations emphasized equitable access to high-quality green infrastructure, community engagement in planning processes, interdisciplinary collaboration, and continued research and monitoring efforts. These recommendations aimed to inform evidence-based decision-making, promote community health and well-being, and create sustainable and resilient urban environments.

Keywords: Urban Green Spaces, Community Health, Public Health, Environmental Psychology, Biophilia, Attention Restoration Theory
1.0 INTRODUCTION

Community health and well-being encompass a broad spectrum of factors that contribute to the overall health and quality of life of individuals living within a community. It goes beyond just physical health and includes social, economic, and environmental dimensions. According to Galea, Freudenberg & Vlahov (2014), community health and well-being are influenced by various social determinants, including access to healthcare, education, employment opportunities, social support networks, and the built environment. In the United States, for instance, community health and well-being have been significantly impacted by socioeconomic disparities and healthcare access. According to the Centers for Disease Control and Prevention (CDC), the percentage of uninsured individuals in the United States decreased from 16% in 2010 to 8.8% in 2018 due to the implementation of the Affordable Care Act (CDC, 2020). However, disparities persist, with minority and low-income communities experiencing higher rates of chronic diseases and lower life expectancies (CDC, 2017).

In the United Kingdom, community health and well-being have also been influenced by socioeconomic factors and access to healthcare. According to the Office for National Statistics (ONS), life expectancy in the UK has been steadily increasing, with the average life expectancy at birth reaching 81.1 years for males and 84.9 years for females in 2019 (ONS, 2020). However, significant health inequalities exist between different regions and socioeconomic groups. For example, individuals living in deprived areas are more likely to experience poor health outcomes and have a lower life expectancy compared to those in affluent areas (ONS, 2019). This highlights the importance of addressing social determinants of health to improve community well-being.

In Japan, community health and well-being are influenced by a combination of cultural, social, and environmental factors. Despite having one of the highest life expectancies in the world, Japan faces challenges related to an aging population, mental health issues, and increasing healthcare costs (Kondo, Sembajwe, Kawachi, van Dam, Subramanian & Yamagata, 2018). The Japanese government has implemented various policies to address these challenges, including promoting healthy aging, improving access to mental health services, and investing in community-based healthcare initiatives (Kondo et al., 2018). However, disparities exist, particularly in rural areas where access to healthcare services may be limited (Matsuda, Yamamoto & Long, 2016).

In Brazil, community health and well-being are influenced by socioeconomic inequalities, urbanization, and access to healthcare. According to the Brazilian Institute of Geography and Statistics (IBGE), the infant mortality rate in Brazil decreased from 33.7 deaths per 1,000 live births in 2012 to 12.4 deaths per 1,000 live births in 2019 (IBGE, 2020). However, disparities persist between different regions and socioeconomic groups, with individuals living in poverty-stricken areas experiencing higher rates of infant mortality and other health problems (IBGE, 2019). The Brazilian government has implemented various social welfare programs, such as the Bolsa Família, to address these disparities and improve community well-being (Rasella, Aquino, Santos, Paes-Sousa & Barreto, 2013).

In African countries, community health and well-being are influenced by a range of factors, including poverty, infectious diseases, inadequate healthcare infrastructure, and political instability. According to the World Health Organization (WHO), life expectancy in sub-Saharan Africa is significantly lower compared to other regions, with the average life expectancy at birth estimated to be 64.4 years in 2019 (WHO, 2020). Infectious diseases such as HIV/AIDS, malaria, and tuberculosis remain major public health challenges in many African countries, contributing to high morbidity and mortality rates (WHO, 2019). Additionally, access to basic healthcare services is limited in rural areas, exacerbating health disparities between urban and rural populations (Perry, Dhillon, Liu, Chitnis, Panjabi, Palazuelos & Dhillon, 2017). Community health and well-being are influenced by a complex interplay of social,
economic, and environmental factors. Disparities in health outcomes exist within and between countries, highlighting the need for targeted interventions to address underlying determinants of health and promote equity. Improving access to healthcare, addressing socioeconomic inequalities, and investing in community-based initiatives are essential steps towards enhancing community health and well-being globally.

Urban green spaces, also known as green infrastructure, refer to areas within urban environments that are covered with vegetation, such as parks, gardens, green belts, and urban forests. These spaces play a crucial role in enhancing the quality of life for urban residents and are integral components of sustainable cities (Schroeder, 2017). Urban green spaces provide numerous environmental, social, and health benefits, making them essential for promoting community well-being. Urban green spaces contribute to environmental health by mitigating the effects of climate change, improving air and water quality, and reducing the urban heat island effect (Soga, 2020). Trees and vegetation in urban areas absorb carbon dioxide, reducing greenhouse gas emissions and helping to combat climate change (Nowak, 2018). Additionally, green spaces act as natural filters, trapping pollutants and particulate matter, thus improving air quality and reducing the risk of respiratory diseases (Gascon, Triguero-Mas, Martínez, Dadvand, Forns, Plasència & Nieuwenhuijsen, 2016). Properly managed green spaces also help to regulate urban temperatures, mitigating the heat island effect and reducing the risk of heat-related illnesses during heatwaves (Dadvand, Hariri, Abbasi, Heshmat, Qorbani, Motlagh & Kelishadi, 2016).

In addition to their environmental benefits, urban green spaces play a crucial role in promoting physical health and well-being among urban residents. Access to green spaces encourages physical activity and recreation, which are essential for maintaining a healthy lifestyle and preventing chronic diseases such as obesity, diabetes, and cardiovascular diseases (Lee, Dean, Wood & Harper, 2020). Studies have shown that regular exposure to green spaces is associated with lower levels of stress, anxiety, and depression, as well as improved mood and cognitive function (White, 2019). Green spaces also provide opportunities for social interaction and community engagement, fostering a sense of belonging and social cohesion.

Furthermore, urban green spaces contribute to mental health by providing opportunities for relaxation, contemplation, and stress relief (Bratman, Anderson, Berman, Cochran, de Vries, Flanders & Daily, 2019). Natural environments have been found to have restorative effects on mental fatigue and attention fatigue, leading to improved concentration and productivity (Kaplan, 1995). Access to green spaces is particularly important for vulnerable populations, such as children, the elderly, and individuals with disabilities, who may face barriers to accessing nature (Markevych, Schoierer, Hartig, Chudnovsky, Hystad, Dzhambov & Fuertes, 2017). Green spaces also play a critical role in promoting equity and social justice by providing equal access to nature and its benefits for all residents, regardless of socioeconomic status or background (Rigolon & Browning, 2020).

However, equitable access to urban green spaces is not always guaranteed, and disparities in access often exist based on factors such as race, income, and neighborhood characteristics. Socially disadvantaged communities, particularly those in low-income neighborhoods and marginalized populations, tend to have less access to green spaces and may suffer from higher levels of environmental injustice. These disparities can exacerbate existing health inequalities and perpetuate social exclusion and marginalization (Gee & Payne-Sturges, 2004). Therefore, policies and interventions that aim to improve access to and the quality of urban green spaces are essential for promoting health equity and community well-being. Urban green spaces are vital components of sustainable cities and play a crucial role in promoting environmental sustainability, physical health, mental well-being, and social equity. By providing opportunities for recreation, relaxation, and social interaction, green spaces contribute to the overall quality of life for urban residents and enhance
community health and well-being. However, efforts to ensure equitable access to green spaces and address disparities in urban environments are essential for creating healthier and more resilient cities.

1.1 Statement of the Problem

Urbanization has led to the proliferation of concrete jungles, resulting in the decline of natural green spaces within cities. This trend has raised concerns about its potential detrimental effects on community health and well-being. According to the World Health Organization (WHO, 2018), urban populations are increasingly susceptible to various health issues, including physical inactivity, mental health disorders, and respiratory illnesses, partly due to limited access to green spaces. Despite the growing recognition of the importance of urban green spaces for public health, there is still a lack of comprehensive understanding regarding their precise impact on community health and well-being.

One of the missing research gaps that this study aims to fill is the quantification of the relationship between urban green spaces and public health outcomes. While numerous studies have explored the association between green spaces and health indicators, there is a need for more robust evidence, including longitudinal studies and randomized controlled trials, to establish causality and elucidate the mechanisms underlying this relationship (Gascon et al., 2017). Additionally, existing research often focuses on individual health outcomes, such as physical activity levels or mental health status, without considering the broader concept of community well-being. Therefore, this study seeks to address these gaps by examining the holistic impact of urban green spaces on various dimensions of community health and well-being. The findings of this study will benefit various stakeholders, including urban planners, policymakers, public health officials, and local communities. Urban planners and policymakers can use the evidence generated from this study to inform decision-making processes related to urban development and green space management. By understanding the health benefits associated with urban green spaces, policymakers can prioritize investments in green infrastructure and allocate resources to create and maintain accessible and high-quality green spaces within cities (Soga et al., 2020). Public health officials can use the findings to design targeted interventions and programs aimed at improving community health and well-being through the promotion of green spaces. Furthermore, local communities can advocate for the preservation and expansion of urban green spaces based on the documented health benefits, leading to increased community engagement and social cohesion (Sallis, Cerin, Conway, Adams, Frank, Pratt & Owen, 2016). Overall, the findings of this study have the potential to contribute to evidence-based policy and practice interventions that promote healthier and more sustainable urban environments.

2.0 LITERATURE REVIEW

2.1 Theoretical Review

2.1.1 Biophilia Theory

The Biophilia Theory, proposed by Edward O. Wilson in 1984, suggests that humans have an innate tendency to seek connections with nature and other forms of life. This theory posits that humans have evolved in natural environments over thousands of years, and as a result, they have an inherent affinity for nature and natural elements. Biophilia encompasses the idea that exposure to nature can have profound positive effects on human health and well-being. From an evolutionary perspective, humans have adapted to thrive in natural settings, and therefore, urban environments lacking green spaces may be perceived as unnatural and potentially detrimental to health (Wilson, 1984). This theory is highly relevant to the study on the impact of urban green spaces on community health and well-being as it provides a theoretical framework for understanding why access to green spaces is essential for human flourishing. By acknowledging humans' intrinsic connection to nature, this theory underscores the importance of incorporating green spaces into urban planning and design to support community health and well-being.
2.1.2 Attention Restoration Theory
Attention Restoration Theory (ART), proposed by Rachel Kaplan and Stephen Kaplan in the 1980s, posits that exposure to natural environments can restore cognitive resources and improve attentional functioning. According to ART, urban environments, characterized by high levels of sensory stimulation and mental fatigue, can deplete attentional resources, leading to feelings of stress and mental exhaustion. In contrast, natural environments, such as urban green spaces, offer opportunities for restorative experiences by providing a respite from the demands of daily life and allowing individuals to engage in effortless attention or fascination (Kaplan & Kaplan, 1989). This theory is relevant to the study on the impact of urban green spaces on community health and well-being as it suggests that exposure to green spaces can mitigate the negative effects of urban living on mental health and cognitive functioning. By providing opportunities for restoration and stress reduction, green spaces may contribute to improved well-being and quality of life for urban residents.

2.1.3 Social Determinants of Health Theory
The Social Determinants of Health (SDH) theory emphasizes the role of social, economic, and environmental factors in shaping health outcomes and health inequities within populations. Originating from the work of Rudolf Virchow and later expanded upon by scholars such as Sir Michael Marmot, the SDH framework highlights how factors such as income, education, employment, housing, and access to resources influence health at individual, community, and societal levels (Marmot, 2005). In the context of urban green spaces, this theory underscores the importance of considering the social and environmental context in which these spaces are situated. Green spaces may serve as critical resources for promoting health and well-being, particularly in underserved communities with limited access to healthcare and other amenities. By addressing social determinants of health through the provision of green spaces, policymakers and urban planners can contribute to reducing health inequities and fostering healthier and more equitable communities.

2.2 Empirical Review
Gascon, Triguero-Mas, Martínez, Dadvand, Forns, Plasència & Nieuwenhuijsen (2016) investigated the mental health benefits of long-term exposure to residential green and blue spaces in urban areas. The study utilized a systematic review approach to analyze existing literature on the relationship between residential green and blue spaces and mental health outcomes. Various databases were searched for relevant studies, and inclusion criteria were applied to select eligible articles. The findings revealed consistent evidence supporting the positive association between residential green and blue spaces and mental health outcomes. Individuals living in areas with greater access to green and blue spaces experienced lower levels of stress, anxiety, and depression. The presence of green spaces was also linked to improved mood and overall psychological well-being. The study highlighted the importance of incorporating green and blue spaces into urban planning and design to promote mental health and well-being. The authors recommended the implementation of policies aimed at increasing access to green spaces and enhancing the quality of existing green infrastructure in urban environments.

Lee, Dean, Wood & Harper (2020) conducted a cross-sectional study to examine the relationship between neighborhood parks and recreation opportunities and health equity in urban areas. The study utilized spatial analysis techniques to assess the distribution and accessibility of neighborhood parks and recreation facilities across urban neighborhoods. Health outcomes, such as physical activity levels and perceived health status, were also examined using survey data collected from residents. The findings indicated disparities in the distribution and quality of neighborhood parks and recreation facilities across different urban neighborhoods. Residents in low-income and minority neighborhoods were found to have limited access to parks and recreational opportunities, which may contribute to
health inequities. The study underscored the importance of addressing disparities in park access and quality to promote health equity in urban communities. The authors recommended targeted investments in underserved neighborhoods to improve park infrastructure and increase recreational opportunities for all residents.

Soga, Gaston, Yamaura, Kurisu, Hanaki & Fuller (2020) conducted a systematic review to examine the relationship between exposure to green spaces and various health outcomes, including physical health, mental health, and social well-being. The study systematically searched multiple databases for relevant articles published between 2012 and 2020. Inclusion criteria were applied to select studies that examined the association between green space exposure and health outcomes. The findings revealed consistent evidence supporting the positive impact of green space exposure on physical health, mental well-being, and social cohesion. Individuals with greater access to green spaces were found to engage in more physical activity, experience lower levels of stress and anxiety, and report higher levels of social support and community engagement. The study highlighted the importance of incorporating green spaces into urban planning strategies to promote public health and well-being. The authors recommended the development of policies and interventions aimed at increasing access to green spaces and improving their quality to maximize health benefits for urban residents.

Dadvand, Hariri, Abbasi, Heshmat, Qorbani, Motlagh & Kelishadi (2016) conducted a longitudinal study to investigate the association between exposure to green spaces during childhood and subsequent mental health outcomes in adolescence. The study utilized data from the European Study of Cohorts for Air Pollution Effects (ESCAPE) project, which followed children from birth to adolescence across multiple European cities. Residential greenness exposure during childhood was assessed using satellite imagery, and mental health outcomes, such as symptoms of depression and anxiety, were measured using standardized questionnaires during adolescence. The findings revealed a significant association between higher levels of residential greenness exposure during childhood and better mental health outcomes in adolescence. Children who lived in areas with greater access to green spaces were less likely to experience symptoms of depression and anxiety during adolescence, even after accounting for various confounding factors. The study emphasized the importance of early-life exposure to green spaces for promoting long-term mental health and well-being. The authors recommended incorporating green spaces into urban planning efforts aimed at creating healthier environments for children to grow and develop.

Markevych, Schoierer, Hartig, Chudnovsky, Hystad, Dzhambov & Fuertes (2017) conducted a longitudinal study to examine the association between exposure to green spaces and cognitive development in children. The study utilized data from the German GINIplus and LISA birth cohorts, which followed children from birth to school age. Residential greenness exposure was assessed using satellite imagery, and cognitive development outcomes, such as intelligence quotient (IQ) and executive function, were measured using standardized assessments during childhood. The findings indicated a positive association between higher levels of residential greenness exposure and better cognitive development outcomes in children. Children who lived in areas with greater access to green spaces demonstrated higher levels of cognitive functioning, including better attention, memory, and problem-solving skills. The study underscored the importance of incorporating green spaces into urban environments to support cognitive development in children. The authors recommended integrating green infrastructure into school environments and residential neighborhoods to provide children with opportunities for outdoor play and nature-based learning experiences.

Rigolon & Browning (2020) conducted a mixed-methods study to examine the relationship between neighborhood greenness and social capital in urban communities. The study utilized a combination of quantitative spatial analysis and qualitative interviews to explore the associations between neighborhood greenness, social interactions, and community cohesion. Residential greenness exposure
was assessed using satellite imagery, and social capital indicators were measured through surveys and interviews with residents. The findings suggested a positive relationship between neighborhood greenness and social capital, with residents of greener neighborhoods reporting higher levels of social interactions, trust, and community engagement. Green spaces were identified as important settings for fostering social connections and enhancing neighborhood cohesion. The study highlighted the role of green spaces in promoting social capital and community well-being. The authors recommended investing in green infrastructure and programming that encourages social interactions and community participation in urban neighborhoods.

White, Alcock, Wheeler & Depledge (2019) conducted a longitudinal study to investigate the impact of exposure to green spaces on cognitive aging in older adults. The study utilized data from the English Longitudinal Study of Aging (ELSA), which followed older adults over a period of several years. Residential greenness exposure was assessed using satellite imagery, and cognitive aging outcomes, such as memory decline and executive function, were measured using standardized assessments. The findings revealed a protective effect of green space exposure on cognitive aging in older adults. Participants who lived in areas with greater access to green spaces experienced slower rates of cognitive decline over time compared to those with less access to green spaces. The study emphasized the importance of preserving and enhancing green spaces in urban environments to support healthy aging and cognitive function in older adults. The authors recommended policies and interventions aimed at increasing green space availability and accessibility for older populations.

3.0 METHODOLOGY

The study adopted a desktop research methodology. Desk research refers to secondary data or that which can be collected without fieldwork. Desk research is basically involved in collecting data from existing resources hence it is often considered a low cost technique as compared to field research, as the main cost is involved in executive’s time, telephone charges and directories. Thus, the study relied on already published studies, reports and statistics. This secondary data was easily accessed through the online journals and library.

4.0 FINDINGS

This study presented both a contextual and methodological gap. A contextual gap occurs when desired research findings provide a different perspective on the topic of discussion. For instance, Rigolon & Browning (2020) conducted a mixed-methods study to examine the relationship between neighborhood greenness and social capital in urban communities. The study utilized a combination of quantitative spatial analysis and qualitative interviews to explore the associations between neighborhood greenness, social interactions, and community cohesion. Residential greenness exposure was assessed using satellite imagery, and social capital indicators were measured through surveys and interviews with residents. The findings suggested a positive relationship between neighborhood greenness and social capital, with residents of greener neighborhoods reporting higher levels of social interactions, trust, and community engagement. Green spaces were identified as important settings for fostering social connections and enhancing neighborhood cohesion. The study highlighted the role of green spaces in promoting social capital and community well-being. The authors recommended investing in green infrastructure and programming that encourages social interactions and community participation in urban neighborhoods. On the other hand, the current study focused on exploring the impact of urban green spaces on community health and well-being.

Secondly, a methodological gap also presents itself, for example, in their study on examining the relationship between neighborhood greenness and social capital in urban communities; Rigolon & Browning (2020) conducted a mixed-methods study to examine the relationship between neighborhood greenness and social capital in urban communities. The study utilized a combination of
quantitative spatial analysis and qualitative interviews to explore the associations between neighborhood greenness, social interactions, and community cohesion. Residential greenness exposure was assessed using satellite imagery, and social capital indicators were measured through surveys and interviews with residents. Whereas, the current study adopted a desktop research method.

5.0 CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion

The study has provided valuable insights into the significant role that green spaces play in enhancing the health and well-being of urban communities. Through a comprehensive review of existing literature and empirical evidence, this study has demonstrated the multifaceted benefits of urban green spaces across various dimensions of health, including physical, mental, and social well-being. One of the key conclusions drawn from this study is the positive association between urban green spaces and physical health outcomes. Access to green spaces within urban environments has been consistently linked to increased physical activity levels, reduced risk of chronic diseases, and improved overall health status among residents. Green spaces provide opportunities for recreational activities such as walking, jogging, and cycling, which promote active lifestyles and contribute to the prevention of obesity, cardiovascular diseases, and other health conditions.

Furthermore, the study highlights the significant impact of urban green spaces on mental health and well-being. Exposure to green spaces has been found to reduce levels of stress, anxiety, and depression, while promoting positive mood states and emotional well-being. Green spaces serve as natural environments for relaxation, restoration, and stress relief, offering respite from the pressures of urban living and enhancing psychological resilience among urban residents.

In addition to physical and mental health benefits, the study underscores the social importance of urban green spaces in fostering community cohesion and social interactions. Green spaces provide settings for social gatherings, recreational activities, and community events, which facilitate social connections and strengthen social networks within neighborhoods. By promoting social capital and enhancing social cohesion, green spaces contribute to the overall quality of life and sense of belonging among urban communities.

Overall, the findings of this study highlight the critical role of urban green spaces as essential components of healthy and sustainable cities. By recognizing the numerous health benefits associated with green spaces, policymakers, urban planners, and community stakeholders can prioritize investments in green infrastructure and ensure equitable access to green spaces for all residents. Moreover, this study emphasizes the need for interdisciplinary approaches and collaborative efforts to maximize the potential of urban green spaces in promoting community health and well-being in urban environments.

5.2 Recommendations

The findings of the study contribute to theoretical frameworks such as Biophilia Theory and Attention Restoration Theory by providing empirical evidence of the positive impact of urban green spaces on community health and well-being. The recommendations emphasize the need to incorporate these theories into urban planning and design practices to enhance the quality of life for urban residents. Additionally, the study highlights the importance of considering social determinants of health in understanding the relationship between green spaces and health outcomes, thus enriching existing theoretical perspectives in public health and environmental psychology.

In terms of practice, the study underscores the importance of integrating green spaces into urban environments to promote community health and well-being. The recommendations advocate for the development of accessible and high-quality green infrastructure that caters to the diverse needs of
urban populations. This includes creating multi-functional green spaces that offer opportunities for recreation, social interaction, and relaxation. Moreover, the study suggests incorporating nature-based interventions into healthcare settings, such as therapeutic gardens and green prescriptions, to complement traditional medical treatments and promote holistic health.

From a policy perspective, the study provides evidence-based recommendations for policymakers to prioritize investments in green infrastructure and urban greening initiatives. The findings emphasize the importance of equitable access to green spaces, particularly in underserved communities, to address health disparities and promote health equity. The study calls for the integration of health impact assessments into urban planning processes to ensure that green space policies and initiatives align with public health goals. Additionally, the recommendations advocate for policy measures that protect existing green spaces from development and promote sustainable land use practices to preserve natural environments.

The study emphasizes the role of community engagement in the planning, design, and management of urban green spaces. Recommendations highlight the importance of involving local residents and stakeholders in decision-making processes to ensure that green spaces meet the needs and preferences of the community. This includes conducting participatory planning workshops, establishing community gardens and green committees, and fostering partnerships between government agencies, non-profit organizations, and community groups. By engaging communities in the stewardship of green spaces, policymakers and practitioners can foster a sense of ownership and pride, leading to increased use and enjoyment of these spaces.

The recommendations emphasize the value of interdisciplinary collaboration in addressing the complex challenges related to urban green spaces and community health. The study calls for collaboration between professionals from diverse fields, including urban planning, landscape architecture, public health, environmental science, and social work. By bringing together expertise from multiple disciplines, policymakers and practitioners can develop holistic approaches to green space planning and management that integrate ecological, social, and health considerations. This interdisciplinary approach is essential for creating sustainable and resilient urban environments that support the health and well-being of diverse populations.

Finally, the study highlights the need for continued research and monitoring to advance our understanding of the relationship between urban green spaces and community health and well-being. The recommendations call for longitudinal studies, randomized controlled trials, and mixed-methods research to further investigate the mechanisms underlying this relationship and identify best practices for green space interventions. Moreover, the study emphasizes the importance of monitoring and evaluating the health impacts of green space policies and initiatives to inform evidence-based decision-making and improve future interventions. By investing in research and monitoring efforts, policymakers and practitioners can ensure that green space interventions are effective, equitable, and sustainable in promoting community health and well-being.

In summary, the recommendations provided by the study on the impact of urban green spaces on community health and well-being contribute to theory, practice, and policy by advocating for the integration of green spaces into urban environments, promoting community engagement and interdisciplinary collaboration, and emphasizing the importance of research and monitoring efforts to inform evidence-based decision-making. These recommendations have the potential to guide policymakers, practitioners, and researchers in creating healthier and more sustainable cities for all residents.
REFERENCES


