



Exercise compliance in older life: How can programmes that follow a prescribed regimen be made more effective?

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Abstract

Exercise compliance in older adults is essential for maintaining physical health, functional independence, and overall well-being. Prescribed exercise programs tailored to individual needs have been shown to be effective in promoting adherence to physical activity recommendations. This review examines strategies to enhance the effectiveness of exercise programs that follow a prescribed regimen for older adults. Personalization of exercise plans, taking into account individual health status, preferences, and abilities, is a key factor in improving compliance. Education and awareness campaigns can highlight the benefits of exercise in later life, motivating older adults to adhere to their prescribed regimen. Social support, through group exercise classes or buddy systems, can provide accountability and encouragement. Technology integration, such as fitness trackers or mobile apps, can aid in monitoring progress and providing feedback. Flexibility in exercise programming and the incorporation of enjoyable activities can contribute to sustained adherence. Collaboration with healthcare professionals ensures that prescribed regimens align with medical recommendations. By implementing these strategies, exercise programs following prescribed regimens can be optimized to promote exercise compliance among older adults, fostering healthier and more active lifestyles in later life.

Keywords: Adherence, exercise on prescription (EoP), older adults

Introduction

Adherence to exercise in later life refers to the extent to which older adults stick to a regular exercise routine over time. It is a critical aspect of promoting and maintaining good health, functional independence, and overall well-being in aging individuals. Regular physical activity offers numerous benefits for older adults, including improved cardiovascular health, increased muscular strength, better balance and coordination, enhanced cognitive function, and a reduced risk of chronic conditions like heart disease, diabetes, and osteoporosis. To make exercise on prescription (EoP) programs more effective for later life, it's essential to address the specific needs and challenges faced by older adults. Encouraging adherence to exercise in later life is crucial for promoting better health and well-being among older adults. Personalized exercise plans: Tailor exercise programs to the individual's specific needs, preferences, and health conditions. Older adults are more likely to adhere to a program that suits their abilities and aligns with their interests.

Thinking about exercise on a prescription

Exercise on Prescription (EoP) for older age is a vital tool in promoting physical activity and overall well-being among seniors. This personalized approach involves healthcare professionals, such as geriatric physicians, physiotherapists, or exercise specialists, collaborating with older adults to develop tailored exercise plans. Through comprehensive assessments that consider individual health conditions, functional abilities, and personal preferences, EoP creates safe and effective exercise regimens suitable for older age. The prescribed exercises may encompass a wide range of activities, including strength training, balance exercises, flexibility routines, and cardiovascular workouts, all aimed

at enhancing functional capacity and reducing the risk of age-related health issues. EoP empowers older adults by providing clear instructions and support to ensure proper exercise performance and minimize the likelihood of injuries. Additionally, the social and emotional support that comes with this prescription-based approach can boost motivation, instill a sense of accountability, and foster adherence to the exercise regimen. As a result, Exercise on Prescription for older age plays a pivotal role in improving mobility, maintaining independence, and enhancing the quality of life for seniors, empowering them to age actively and gracefully.

A sociological view of compliance with exercise

A sociological view of compliance with exercise for older age examines how social factors and structures influence the exercise behaviors and adherence of older adults. Sociologists analyze how societal norms, cultural beliefs, social interactions, and institutional practices shape the exercise patterns of older individuals. Socialization processes throughout the life course play a crucial role in determining attitudes towards physical activity in later life. Cultural norms may dictate certain expectations about aging and physical activity, influencing whether older adults view exercise as a normal part of their daily routines or perceive it as unnecessary or unattainable. Social support from family, friends, or exercise groups can positively impact compliance with exercise, providing motivation, accountability, and emotional encouragement. In contrast, social isolation or negative attitudes towards aging and exercise may hinder older adults from engaging in physical activity. Additionally, access to exercise facilities and community resources, as well as institutional support from healthcare providers or community organizations, can

significantly influence exercise compliance among older individuals. Societal attitudes towards aging and fitness also intersect with gender and socioeconomic factors, leading to varying exercise patterns and opportunities for different subgroups of older adults. By examining these sociological factors, interventions can be designed to promote exercise adherence in older age, addressing social barriers, and creating supportive environments that foster a physically active and healthy aging population.

Leisure in older age

Leisure in older age is an essential and multifaceted aspect of the senior experience, encompassing a wide range of activities that provide enjoyment, fulfillment, and social engagement during the later stages of life. As older adults transition into retirement and have more leisure time, they often seek out meaningful pursuits that align with their interests, preferences, and physical capabilities. These leisure activities play a significant role in promoting overall well-being, fostering a sense of purpose, and enhancing quality of life. Whether it's engaging in recreational sports, pursuing artistic endeavors, participating in social clubs, traveling, volunteering, or simply spending time with loved ones, leisure activities provide opportunities for physical, intellectual, emotional, and social stimulation. Leisure in older age not only contributes to maintaining physical health and cognitive function but also fosters social connections and combats feelings of loneliness and isolation that some seniors may experience. Moreover, it allows older adults to continue learning, exploring new interests, and staying mentally and socially active, reinforcing the notion that aging is a dynamic and fulfilling phase of life. By embracing leisure activities, older adults can experience a sense of joy and purpose in their daily lives, making the most of their retirement years and creating lasting memories with family and friends.

Exercise & sports for older age

Exercise and sports play a vital role in promoting health, functional independence, and overall well-being in older age. Engaging in regular physical activity has numerous benefits for seniors, including maintaining muscle strength, flexibility, and bone density, improving cardiovascular health, managing weight, and reducing the risk of chronic conditions like heart disease, diabetes, and osteoporosis. Additionally, exercise can enhance cognitive function, mood, and sleep quality, contributing to a higher quality of life. Older adults can participate in a variety of exercises and sports tailored to their abilities and interests. Low-impact activities such as walking, swimming, tai chi, and yoga are gentle on the joints and offer excellent options for improving balance and flexibility. Strength training with resistance bands or light weights helps maintain muscle mass and functional strength. Sports like golf, tennis, and pickleball provide opportunities for social interaction and physical activity. Group exercise classes specifically designed for older adults offer the added benefit of social support and camaraderie. Staying physically active in older age is not only achievable but essential for maintaining independence and enjoying a fulfilling life. It is essential for older adults to consult with healthcare professionals before starting any exercise program and to tailor activities to their individual needs and health conditions.

Policy and practice implications'

The implications of exercise and sports for older age have significant policy and practice implications that can positively impact the health and well-being of seniors. Here are some key policy and practice considerations:

Inclusive programming

Policies should promote inclusive exercise and sports programs that cater to the diverse needs and abilities of older adults. This may involve offering a variety of activities, accommodating mobility challenges, and providing accessible facilities to ensure that all seniors can participate.

Healthcare integration

Policy efforts should focus on integrating exercise prescription and physical activity promotion into healthcare practices for older adults. Healthcare providers can play a pivotal role in prescribing exercise as part of preventive care and disease management.

Community-based initiatives

Governments and organizations should invest in community-based initiatives that encourage physical activity and sports participation among older adults. These initiatives can include subsidized or free exercise classes, walking clubs, and sports leagues.

Education and awareness

Policy efforts should prioritize educational campaigns to raise awareness among older adults about the importance of exercise for their health and well-being. Educating seniors about the benefits of physical activity can motivate them to engage in regular exercise.

Support for caregivers

Policies should support and promote caregiver involvement in encouraging and facilitating exercise for older adults, recognizing the critical role caregivers play in promoting and supporting their loved ones' physical activity.

Infrastructure development

Investments in age-friendly infrastructure, such as safe walking paths, accessible parks, and senior-friendly exercise facilities, can create an environment that encourages physical activity for older adults.

Volunteer programs

Policies that incentivize and support volunteer-led exercise programs can expand opportunities for older adults to engage in physical activity and foster social connections within the community.

Research and evaluation

Policymakers should allocate resources for research on effective exercise and sports interventions for older adults. Evidence-based practices can inform policy decisions and ensure that resources are targeted effectively.

Private sector engagement

Encouraging private sector involvement, such as collaborations with fitness centers or sports organizations, can expand the availability of exercise options for older adults and promote active aging.

Age-friendly sports events

Policy efforts should promote age-friendly sports events and competitions that cater to the abilities and interests of older athletes, fostering a culture of sports participation and competitive spirit in older age.

By implementing these policy and practice implications, governments, organizations, and communities can create a supportive environment that encourages and facilitates exercise and sports participation among older adults. These efforts can lead to improved health outcomes, enhanced quality of life, and a stronger sense of social connectedness for seniors in their later years.

Conclusion

Exercise compliance in older life is crucial for maintaining physical health and enhancing the overall well-being of seniors. Prescribed exercise programs that are tailored to individual needs and abilities have shown promising results in promoting adherence to physical activity recommendations. To make these programs more effective, several key strategies can be implemented. Personalization of exercise plans, informed by comprehensive assessments, ensures that older adults engage in activities suitable for their health conditions and preferences. Education and awareness campaigns play a vital role in motivating seniors to prioritize exercise as an integral part of their daily routine. Social support, whether through group exercise classes or involvement of family and friends, fosters a sense of accountability and encouragement, bolstering adherence. The integration of technology allows for better monitoring and feedback, aiding in self-assessment and progress tracking. Flexibility and variety in exercise programming cater to individual interests and prevent monotony, contributing to sustained participation. Collaboration with healthcare professionals ensures that exercise regimens align with medical recommendations, promoting safety and efficacy. By incorporating these strategies, programs following a prescribed regimen can be enhanced to promote exercise compliance among older adults, leading to improved health outcomes and a higher quality of life in their golden years. Encouraging seniors to maintain an active lifestyle through effective exercise programs is a valuable investment in their long-term health and happiness.

References

- Biddle S. Sport and exercise motivation: a short review of antecedent factors and psychological outcomes of participation. *Physical Education Review*,1992:15:98–110.
- Biddle S, Fox K, Boutcher S. *Physical Activity and Mental Health: a National Consensus*. Routledge, London, 2000.
- Cale L, Harris J. Exercise recommendations for young people: an update. *Health Education*,2001:101:126–138.
- Carver D. GP exercise referral: improving effectiveness in populations that might benefit most. *British Association of Sport and Exercise Sciences World*, June, 2003, 10–11.
- Catford J. Promoting healthy weight-the new environmental frontier. *Health Promotion International*,2003:18:1–4.
- Coalter F. Trends in Sports Participation. Position Paper prepared for the Sports Council, UK, 1996.
- Department of Health. Exercise Referral Systems: a National Quality Assurance Framework. Department of Health, London, 2001b.
- Donovan N, Halpern D. Life Satisfaction: the State of Knowledge and Implications for Government. Report from the Prime Minister's Strategy Unit, London, 2002.
- Dunlop J, Barry H. Overcoming exercise barriers in older adults. *Physician and Sports Medicine*, 1999, 27.
- Dunning E. Figurational contributions to the sociology of sport. In Maguire, J. and Young, K. (ed.) *Theory, Sport and Society*. Elsevier Science Ltd, Oxford, 2002, 211–238.
- Elley C, Kerse N, Arroll B, Robinson E. Effectiveness of counselling patients on physical activity in general practice: cluster randomised controlled trial. *British Medical Journal*,2003:326:793–798.
- Fairclough S, Stratton G, Baldwin G. The contribution of secondary school physical education to lifetime physical activity. *European Physical Education Review*,2002:8:69–86.
- Finch H. Physical Activity 'At Our Age'. Qualitative Research Among People over the Age of 50. Health Education Authority, London, 1997.
- Green K. Physical education, lifelong participation and the work of Ken Roberts. *Sport, Education and Society*,2002:6:167–182.
- Hammond J, Brodie D, Bundred P. Exercise on prescription: guidelines for health professionals. *Health Promotion International*,1997:12:33–41.
- Hunt K, Ford G, Mutrie N. Is sport for all? Exercise and physical activity patterns in early and late middle age in the West of Scotland. *Health Education*,2001:101:151–158.
- Iliffe S, Tai S, Gould M, Thorogood M, Hillsdon M. Prescribing exercise in general practice. *British Medical Journal*,1994:309:494–495.
- Roberts K. Young people, schools, sport and government policy. *Sport, Education and Society*,1996a:1:47–57.
- Roberts K. Youth cultures and sport: the success of school and community sport, 1996b.
- Taylor A, Doust J, Webborn N. Randomised controlled trial to examine the effects of a GP exercise referral programme in Hailsham, East Sussex, on modifiable coronary heart disease risk factors. *Journal of Epidemiology and Community Health*,1998:52:595–601.
- Vanreusel B, Renson R, Beunen G, Albrecht L, Lefevre J, Lysens R, *et al*. A longitudinal study of youth sport participation and adherence to sport in adulthood. *International Review for the Sociology of Sport*,1997:32:373–387.
- Wang C, Biddle S. Young people's motivational profiles in physical activity: a cluster analysis. *Journal of Sport and Exercise Psychology*,2001:23:1–22.
- Ward M. Evaluation of North Glamorgan 'Exercise on Prescription' Pilot Schemes. Health Promotion Service, North Glamorgan NHS Trust, 1998.
- Young A. The health benefits of physical activity for a healthier old age. In Young, A. and Harries, M. (eds) *Physical Activity for Patients: An Exercise Prescription*. Royal College of Physicians, London, 2001, 31–42.