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Effect Of Home-Based Physical Activity on Older Adults' Well-Being In COVID-19 Pandemic

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Abstract

COVID-19 pandemic has altered the way many people live their life, isolating many who were formerly more social. The lack of access to community services and activities has had a significant negative impact on life, and every individual, including older persons, finding it difficult to cope with the pandemic, leading to increasing anxiety and depression. Subsequently this isolation leads to decrease physical activity and increase sedentary behaviour which has several consequences on older adults' life. Though older adults need to remain at home because they are more likely to contract COVID-19, on the other hand, there is a need to avoid sedentary lifestyle and engage in physical activity. Undoubtedly, the pandemic has imposed a drastic impact on older adults participating in physical activity programmes in groups. Despite that, many older adults continue to engage in physical activity within their confined home spaces. They pointed out, that incorporating physical activity into their daily lives necessitates the adoption of a new culture that are available within limited home spaces. In that regard older adults should be aware about availability of free online physical activity videos and workout materials. Beside applications for home-based meditation and mindfulness-based stress reduction that are free should also be marketed targeting older adults. Physical activity trainers should collaborate with community organisations that serve senior citizens to provide awareness about online physical activity tools. Moreover, programs such as 30-days home-based physical activity challenge can be organised for older people to foster social opportunities and support by giving participants a weekly online check-in as part of the program. However, most importantly experts should engage in teaching and/or facilitating digital technology education classes for older people to utilize online physical activity resources. The role of government and non-profit organization is certainly important in orienting older people with digital technology to avail online physical activity free services. Lastly, creating awareness through social media at the national and provincial level is significantly important to encourage older adults to enhance their activity level within home-based surroundings.

COVID-19 Pandemisinde Ev Temelli Fiziksel Aktivitenin Yaşlı Yetişkinlerin İyi Olma Hali Üzerindeki Etkisi

Özet

COVID-19 salgını, birçok insanın yaşam biçimini değiştirdi ve daha önce daha sosyal olan birçok kişiyi izole etti. Toplum hizmetlerine ve faaliyetlerine erişimin olmaması, yaşam üzerinde önemli bir olumsuz etki yarattı ve yaşlılar da dahil olmak üzere her birey, pandemi ile baş etmekte zorlanarak artan kaygı ve depresyona yol açtı. Daha sonra bu izolasyon, fiziksel aktivitenin azalmasına ve yaşlı yetişkinlerin yaşamı üzerinde çeşitli sonuçları olan hareketsiz davranışların artmasına neden olur. Yaşlı yetişkinlerin COVID-19'a yakalanma olasılıkları daha yüksek olduğu için evde kalmaları gerekse de, diğer yandan, hareketsiz yaşam tarzından kaçınmaya ve fiziksel aktiviteye katılmaya ihtiyaç vardır. Kuşkusuz, pandemi, gruplar halinde fiziksel aktivite programlarına katılan yaşlı yetişkinler üzerinde ciddi bir etki yarattı. Buna rağmen, birçok yaşlı yetişkin, kapalı ev alanlarında fiziksel aktiviteye katılmaya devam ediyor. Fiziksel aktiviteyi günlük yaşamlarına dahil etmenin sınırlı ev alanlarında mevcut olan yeni bir kültürün benimsenmesini gerektirdiğine dikkat çektiler. Bu bağlamda, yaşlı yetişkinler ücretsiz çevrimiçi fiziksel aktivite videolarının ve egzersiz materyallerinin mevcudiyetinin farkında olmalıdır. Ücretsiz olan ev tabanlı meditasyon ve farkındalık temelli stres azaltma uygulamalarının yanı sıra, yaşlı yetişkinleri hedef alarak pazarlanmalıdır. Fiziksel aktivite eğitmenleri, çevrimiçi fiziksel aktivite araçları hakkında farkındalık sağlamak için yaşlılara hizmet veren toplum kuruluşlarıyla iş birliği yapmalıdır. Ayrıca, programın bir parçası olarak katılımcılara haftalık çevrimiçi check-in vererek sosyal fırsatları ve desteği teşvik etmek için 30 günlük ev temelli fiziksel aktivite yarışması gibi programlar düzenlenebilir. Bununla birlikte, en önemlisi uzmanlar, yaşlıların çevrimiçi fiziksel aktivite kaynaklarını kullanmaları için dijital teknoloji eğitim sınıflarını öğretmek ve/veya kolaylaştırmakla meşgul olmalıdır. Devletin ve kar amacı gütmeyen kuruluşun rolü, yaşlıları dijital teknolojiyle çevrimiçi fiziksel aktivite ücretsiz hizmetlerden yararlanmaya yönlendirmede kesinlikle önemlidir. Son olarak, sosyal medya aracılığıyla ulusal ve il düzeyinde farkındalık yaratmak, yaşlı yetişkinleri ev tabanlı ortamlarda aktivite düzeylerini artırmaya teşvik etmek için oldukça önemlidir.

INTRODUCTION

COVID-19 pandemic has altered the way many people live their life, isolating many who were formerly more social. The lack of access to community services and activities has had a significant negative impact on life, and every individual, including older persons, finding it difficult to cope with the pandemic, leading to increasing anxiety and depression. (1-3).Subsequently this isolation leads to decrease physical activity and increase sedentary behaviour which has several consequences on older adults' life (4). Though older adults need to remain at home because they are more likely to contract COVID-19, on the other hand, there is a need to avoid sedentary lifestyle and engage in physical activity.

Undoubtedly, the pandemic has imposed a drastic impact on older adults participating in physical activity programmes in groups (5). Despite that, many older adults continue to engage in physical activity within their confined home spaces. They pointed out, that incorporating physical activity into their daily lives necessitates the adoption of a new culture that are available within limited home spaces (5). This reflects that pandemic has broadened the horizon of utilizing home spaces to promote physical activity and decrease sedentary behaviour.

Home space is a major contributing factor of health, and better housing conditions have been linked to improve general and psychosocial health (6, 7). Given that, with increasing age, older adults spend large proportion of their time in their house (8). Therefore, older community-dwellers should enhance their physical activity levels and preserve their health during this unprecedented time which in turn will increase their quality of life and reduce personal and societal burden of physical inactivity and associated ill health (9).

Different studies have shown the impact of COVID-19 on older adult's physical activity level. A study conducted in Spain among older adults during the COVID-19 pandemic showed that older adults

Turkish Journal of Sport and Exercise /Türk Spor ve Egzersiz Dergisi 2022 24(3):335-337 © 2022 Faculty of Sport Sciences, Selcuk University who performed moderate to vigorous physical activity on regular basis during the home isolation reported higher resilience scores and fewer depressive symptoms (10). Similarly, a study done on 165 Japanese participants showed that around 23% of older adults became more active and 29.7% maintained their physical activity level within their home environment whereas, older adults who were less physically active have reported decrease in subjective well-being (11). This highlighted that even mild physical activity during the COVID-19 pandemic assist to mitigate some of the negative mental health effects that older persons may be experiencing as a result of social distancing (1). Thus, to avoid negative repercussion of pandemic older adults should be indulge in physical activity using their home space (12, 13).

Evidence showed that limited outdoor physical activity options in pandemic have resulted in detrimental effect on life style pattern; preliminary finding also showed a drop of 5% to 20% in total steps across the world (14). This certainly directs the older adults about shifting to inexpensive home-based physical activity. Moreover, home space utilization and availability of home equipment were found to be significant predictors of moderate to vigorous physical activity during the pandemic (15, 16). Thus, there is need of raising proper awareness which in turn will help to enhance physical activity level and wellbeing of older adults, thereby empowering them to maintain their active participation within the community. Therefore, the implementation of important steps to promote older people's physical activity within their home space is warranted.

In that regard older adults should be aware about availability of free online physical activity videos and workout materials. Beside applications for home-based meditation and mindfulness-based stress reduction that are free should also be marketed targeting older adults. Physical activity trainers should collaborate with community organisations that serve senior citizens to provide awareness about online physical activity tools. Moreover, programs such as 30-days home-based physical activity challenge can be organised for older people to foster social opportunities and support by giving participants a weekly online check-in as part of the program. However, most importantly experts should engage in teaching and/or facilitating digital technology education classes for older people to utilize online physical activity resources. The role of government and non-profit organization is certainly important in orienting older people with digital technology to avail online physical activity free services. Besides, a proper campaign to adopt behavioural change by motivating older adults to perform physical activity within home surroundings is certainly important. Lastly, creating awareness through social media at the national and provincial level is significantly important to encourage older adults to enhance their activity level within homebased surroundings which is an emergent priority in the present context.

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