Physical Activity Participation During the COVID-19 Pandemic

Taemin Ha & Brian Dauenhauer
University of Northern Colorado

Introduction

Physical activity is a significant factor in enhancing quality of life due to its various physical and mental benefits. According to the World Health Organization (WHO, 2010), the recommended amount of physical activity for adults (>17 years old) is a minimum of 150 minutes of moderate-intensity activity or 75 minutes of vigorous-intensity activity every week, while the recommended amount for children and adolescents (5-17 years old) is at least 60 minutes of moderate-to-vigorous physical activity daily. However, when coronavirus disease 2019 (COVID-19) was declared a pandemic on March 11th, 2020 (WHO, 2020a), people around the world had to adapt to new lifestyles involving shelter-in-place and social distancing orders. This phenomenon has disrupted the ability to reach the recommended amount of physical activity for people of all ages (Carvalho & Gois, 2020). The sedentary behaviors adopted during this unprecedented time could, for many people, give rise to an unhealthy lifestyle, which by extension may lead to an increased risk of coronavirus. The purpose of this paper is to review the issue and discuss ways to participate in health-enhancing physical activity during the COVID-19 pandemic.

Keywords: health, exercise, coronavirus

Overview

The latest report of Global Health Observatory (GHO) data has shown that 27.5% of adults (older than 18 years old) are physically inactive, and 81% of school-aged youth (6 to 17 years old) are not meeting global recommendations for physical activity (WHO, 2016). Furthermore, the number of obese adults throughout the world has nearly tripled since 1975 and is now over 650 million, while obesity rates of children have risen to more than 340 million (WHO, 2020b). These facts were reported before the pandemic began, and this has led to even fewer opportunities for physical activity (Sallis et al., 2020).

Participation in physical activity helps to reduce the risk of developing health conditions such as obesity, cancer, osteoporosis, type 2 diabetes, heart disease, and high blood pressure (U.S. Department of Health and Human Services, 2018), all of which can increase susceptibility to COVID-19 (Kalligeros et al., 2020; Shah et al., 2020;...
or physical activity, as many indoor and outdoor sports, leisure activities, and recreational facilities, such as gyms, playgrounds, and public swimming pools, are unavailable in many countries (Shahidi et al., 2020). Thus, doing intentional physical activity at home or while practicing proper social distancing outdoors should be considered as a strategy for maintaining both a healthy body and mind.

Considerations

With the continuance of COVID-19, a variety of home-based physical activities have been proposed and recommended by many different scholars, experts, and organizations. For example, the American College of Sports Medicine (ACSM, 2020) recently released information on how to stay physically active during the COVID-19 pandemic, including diverse home-based aerobic activities and strength training. In addition, the Society of Health and Physical Educators (SHAPE) America (2020) has provided K–12 health and physical education teachers with at-home fitness ideas that they can incorporate into their teaching curriculum for both synchronous and asynchronous remote instruction. Exercising at home with these and other safe, simple, and easily implementable workout routines is a suitable way to maintain physical fitness and mental health while avoiding COVID-19 (Marcos-Pardo et al., 2020).

A specific form of exercise that is considered a great home-based physical activity to help maintain cardiovascular, metabolic, and musculoskeletal fitness and decrease the severity of depression is dance (Hammami et al., 2020). There are many types of dances, such as contemporary, jazz, salsa, and hip-hop, that embrace the use of diverse body movements and routines that require both flexibility and strength. Dance, often considered a universal language, knows no cultural barriers; every culture includes some type of dance that is accompanied by music, which helps regulate emotions, provides comfort, and improves cognition (Alpert, 2011). As a sustainable form of physical activity and a fundamental of the arts, dance allows embracing the use of diverse body movements and routines that require both flexibility and strength. Dance, often considered a universal language, knows no cultural barriers; every culture includes some type of dance that is accompanied by music, which helps regulate emotions, provides comfort, and improves cognition (Alpert, 2011).

With the continuance of COVID-19, people around the world may need to figure out how to live with its existence. In response to the concern, an international group of researchers and investigators who have interdisciplinary expertise in behavioral science, spatial epidemiology, urban health, physiotherapy, and health promotion, have proposed and been conducting studies to evaluate interventions of various types during the context of the current pandemic (Sallis et al., 2020). The research team believes those results could be directly applicable to improving responses to the current and future crises. Recent research by Carvalho and Gois (2020) supports that it is still possible to meet the WHO recommendations for physical activity while spending most of one’s time at home during the pandemic situation. Home-based physical activity enables people of all ages to remain fit and healthy while still following stay-at-home policies. Although the pandemic situation will, at some point, end, until then, hopefully the world will recognize the efficacy of home-based physical activity.

References


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