Could severe mobility and park use restrictions during the COVID-19 pandemic aggravate health inequalities? Insights and challenges from Latin America

¿Podrían las rigurosas restricciones de movilidad y uso de parques durante la COVID-19, agravar las inequidades de salud? Percepciones y desafíos desde Latinoamérica

As restrições severas sobre mobilidade e uso de parques durante a pandemia da COVID-19 podem agravar as desigualdades em saúde? Relatos e desafios na América Latina

Parks are important for local populations, especially during the pandemic and shelter-in-place orders. The coronavirus disease (COVID-19) reached Latin America at the end of February 2020, about a month later than Europe and around two months after Asia. Latin America is among the most urbanized and unequal world regions and, as such, the policies implemented to contain the pandemic, such as mobility restrictions and park closures, may affect health-enhancing behaviors of the wealthy and poor differently. Such unintended consequences deserve a closer examination when confinement and future deconfinement measures are considered and planned.

Parks and ‘green spaces’ offer psychological restoration and ease mental health challenges (stress, anxiety, and depression), which are currently rising due to the pandemic and quarantine policies. Parks also provide opportunities for physical activity practices in social distancing, which can increase resilience to the COVID-19 by preventing and controlling chronic conditions such as obesity, hypertension, and cardiovascular diseases. However, parks can also provide hubs for community transmissions.

This duality, in which parks are protective spaces, but also a potential source of risk, is mirrored in the variety of different (and sometimes opposing) park-related lockdown policies adopted by governments worldwide. In several Northern countries, during stay-at-home orders, people were encouraged to visit parks for exercise while social distancing, and leading health agencies (World Health Organization and U.S. Centers for Disease Control and Prevention) recommended park use during the pandemic for several health benefits. However, restrictions in park use were often implemented. For example, in New York City, which was most strongly affected from COVID-19 in the United States, playgrounds use was suspended, and the number of park visitors was monitored in early May 2020 to prevent overcrowding. While these are examples from one city, such strategies were used in other cities across the United States and Canada.

In Latin America, however, no recommendations for safe park use were provided and restrictions on parks were generally more severe. For example, parks were closed to the public as lockdown was imposed in Peru, Colombia, Chile, and some Brazilian districts, and mobility restrictions excluded opportunities for minimal activity, such as walking outdoors in Chile, Peru, and Colombia.
This occurred despite important health benefits, especially for children, older adults, and people with chronic diseases. The extension of these restrictions regarding territory and duration may threaten the health of large populations. For example, in Chile, the first lockdown (March 26th) included only seven districts of the capital; however, park access was prevented across all the country since March 17th, when the national park network was closed. This measure was adopted regardless of the varying epidemiological situations of each region. Parks remained closed 80 days later, even where lockdown had been lifted 11,12. In Santiago, 106 days after the lockdown was enacted, there was still no permission to escort children or older adults to walk outside. However, allowances were made for taking pets out for 30 minutes 11.

Low compliance with confinement measures, crowding in public spaces, and misuse of permits have been noticed in Latin American capitals 13,14 and they may contribute to the authorities’ reluctance to ease restrictions. Over time, Latin American countries are slowly easing the restrictive measures. In some districts of Bogotá (Colombia) and Lima (Peru), children were allowed to walk outside, overseen by an adult, after two months since the lockdown was issued 15,16. Despite their potential health benefits, these changes reflect governments’ political consideration rather than data-driven decisions, as no decrease in COVID-19 cases was observed at the time they were employed (Johns Hopkins University & Medicine. COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU). https://coronavirus.jhu.edu/map.html, accessed on 05/Jun/2020).

The severe and homogeneous restrictions can increase existing intra-urban health inequities in Latin America. Residents of affluent neighborhoods are likely to have enough space at home to maintain exercise routines, whereas in low-income neighborhoods the limited and substandard indoor space turns public spaces into the only opportunities to remain active. Banning public spaces use during a lockdown deprives the few opportunities for activity and restoration in such manner that punishes the poor to a greater extent, and makes them pay an additional “health fee” for complying with the lockdown. Therefore, imposing strict homogeneous lockdown policies may not only adversely affect the most vulnerable, but also increase pre-existing health inequalities related to precarious conditions of underserved territories.

These inequalities are especially concerning, considering the reported decreases in physical activity since the outbreak of COVID-19, especially among vulnerable populations as children and older adults 17. In Mexico, children’s daily screen time doubled while physical activity and sleep time decreased significantly during the pandemic (A. Jáuregui, 2020; personal communication). In Chile, children’s physical activity decreased by one third, screen time doubled, and sleep quality worsened (N. Aguilar-Farias, 2020; personal communication). In Brazil, residents of lower quality neighborhoods as well those unemployed presented reduced physical activity during this pandemic 18.

Despite these concerning pieces of evidence, measures that hinder physical activity are naturalized, and debates on strategies to prevent such detrimental health effects are generally absent in the Latin American public discourse. Regulating park use and outdoor recreation is essential for all, especially for children, older adults, and people with chronic health conditions.

Despite its importance, regulated park use by itself would not be sufficient to provide egalitarian access to outdoors recreation during the pandemic since, to large underserved populations that reside in excluded peripheral areas of cities, quality parks would still be distant and, if present, unsafe. Substandard parks located in such neighborhoods are likely avoided even more than usual during the pandemic since the habitual violence that is present in marginalized areas of Latin America increased under confinement 19. Several policies need to be considered to promote equitable and safe access to parks and outdoors recreation. Firstly, park hours can be extended and visits can be scheduled. Besides existing parks, other spaces can be opened to the public, such as soccer fields and school yards. Where parks are insufficient and unsafe, underused city space, such as streets or parking lots, can be enabled and further activated by programs and tactical urbanism. Such strategies have been long used in the region and they were proved to be cost-effective and successful, including: The ciclovía of Bogotá (open streets); Colombian recreovías and “Ecuador Ejercíate” (free outdoors physical activity classes with music); “Juega en tu Barrio” and “CicloRecreoVía” of Chile (streets play and open streets); and new on-road cycle paths 20,21,22. Such strategies, along with socially inclusive programs, may increase residents sense of safety 23 and, ultimately, reduce health inequalities during the pandemic.
Considering the geographically evolving behavior of the pandemic, these policies should be employed at the local governance, rather than a fixed centralized policy, and they should be adapted for each communities’ needs.

From a broader socio-political perspective, even though the COVID-19 outbreak increased inequalities in Latin America, they existed long before the pandemic. In recent years, radical economic policies imposed by settled privileged groups have reverted the rights and welfare previously achieved. This, associated with chronic and marked inequality of this region, configure an inauspicious and unequal socio-sanitary scenario that becomes increasingly evident as the pandemic unfolds. The pandemic’s differing consequences across economic groups may elevate the tension and lead to violent social outbreaks as the ones in Ecuador and Chile in 2019, where protesters massively claimed for dignity and rejected precarization of life. Social and sanitary crises could raise the need to revalue social welfare and call countries to reflect on novel political and economic possibilities. Green and health-enhancing urban policies (cycle paths, tactical urbanism), which have been employed in Latin American cities previously and during the pandemic, should be considered as long-term sustainable policies to reduce urban health inequalities during and post pandemic.

As cities start the deconfinement, the opening of commerce and services are governmental priorities. However, along with the debate of more social and ecologically sustainable economic models, policies in line with such models, such as the re-opening of parks and the provision of new spaces for recreation, especially in underserved neighborhoods, should not be postponed. A number of measures can be adopted to allow safe park use and outdoor recreation, and they must be organized with a strong sense of urgency. Enabling routine physical activities and psychological restoration is essential during the lockdown, as well as post-pandemic considering the significant expected increase in chronic diseases and mental health conditions.

Measures’ severity and extension need cautious weighting so they yield more benefits than the health risks they pose, particularly amongst vulnerable populations that already accumulate greater health risks. Thoughtful strategies need to be built to allow vulnerable population to perform safe outdoors physical activity during the confinement and re-opening stages. These need to be accompanied by a preparation of existing spaces such as parks, the provision of new additional spaces, and a strong communicational strategy to increase awareness and encourage responsible behaviors.

Confine ment measures have been in place for prolonged periods in our region and might be re-imposed in the future in Latin America and other regions if spikes recur. Understanding and quantifying their effects on health disparities is critical to better inform decision making and public policy development regarding restrictions that affect physical activity and psychological restoration. This will also enhance preparedness for eventual future pandemics. The lagging stage of the pandemic in Latin America provides an opportunity to adopt responsible re-opening models and learn from successful phased strategies implemented by other countries. These require cautious adaptations according to the local cultural aspects and the physical and social environmental features of our countries. Adopting timely measures to regulate safe park use and outdoor recreation in Latin American cities is critical and should be a public health priority.
Contributors

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Additional informations

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References


