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Park Use and Physical Activity in a Sample of Public Parks in the City of Los Angeles

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EXECUTIVE SUMMARY

RAND has undertaken this study of public parks in the City of Los Angeles because of the city’s significant investment in public parks and its commitment to improve them through a number of funding sources, including Proposition K (Los Angeles for Kids Program), a 30-year, $25 million-per-year assessment-funded program to revitalize the City's parks and recreation facilities. This effort is unique in the United States and will provide an unparalleled opportunity to identify the role that parks can play in facilitating physical activity, population health, and well-being.

Many health problems can be prevented or alleviated through routine physical activity. There is a growing consensus that the environment in which we live helps determine how physically active we are on a daily basis. The goal of our study is to determine how parks promote physical activity for individuals and how well they serve the surrounding community.

We systematically measured what activities are occurring in public parks, who uses the park, and what proportion of the local population is actually served by the park. The data come from surveys of park users, surveys of households within a 2-mile radius from each park, and systematic observations of all park areas four times a day for all seven days of the week.

The 12 public neighborhood parks studied in this report, as well as a skate park and two senior citizens centers, represent only a small percentage of all the facilities managed by the City Of Los Angeles Department of Recreation and Parks. The findings may therefore not be representative of all parks. Although we found that most residents and park users had a favorable opinion of the Department of Recreation and Parks services and staff, this study was not intended to be an evaluation of these services, but an evaluation of physical activity in park settings.

MAIN FINDINGS

Residential proximity to parks is a critical determinant of park use and leisure exercise. Most park users (81%) live within one mile of the parks, and only 19 percent of park users live more than one mile from the park. This is a key finding: Proximity to parks matters for physical activity. That is, even if a large park is only a few miles away from a particular neighborhood, most neighborhood residents will not use that large park. Most may not have access to even a small park within a mile radius of their homes (about 3 square miles). Smaller nearby parks could play a much more important role in the physical activity of neighborhood residents.
Males use parks more than females; children and teens use parks more than adults and seniors.

Parks do not serve everyone in the community equally, even within local neighborhoods. While this finding reflects a general difference in physical activity seen nationally between males and females and between different age groups, parks may contribute to disparities in physical activity. For this reason, it is important to consider whether facilities available in parks and the type of programming that is scheduled are attractive to different groups. In Los Angeles, neighborhood parks have been conceived as active parks, and most have a multitude of facilities that promote vigorous sports such as basketball and soccer. Baseball is not a particularly vigorous sport, but it takes up a large portion of park acreage, and is played by a relatively small number of individuals. Fewer parks have areas for moderate physical activity, such as tracks, walking paths, and trails. When these features are present, more adults and senior residents tend to use them.

Most people in the parks are sedentary. For most park users, the most common activity is sitting. Nevertheless, most have engaged in light or moderate physical activity just to get there, since most park users walk to the park. Parks with more users are more likely to encourage the expenditure of more energy and may result in healthier, more active neighborhood residents than parks with fewer users, even if those users spend most of their time sitting.

People report using parks frequently, yet we observed many areas in the park to be largely unused during substantial portions of the week.

The majority of neighborhood residents report that they use the parks one or more times per month. They say that it is easy or even very easy to get to the park. They perceive the parks to be safe or very safe, and they rate the staff as good to excellent. A large percentage of local residents report that they participate in programs sponsored by the Department of Recreation and Parks. Moreover, the majority of residents report that they use their neighborhood parks exclusively and do not often visit other parks. This again highlights the need for some type of park in every neighborhood. However, despite the important role that people say parks have played in their lives, we found during our observations that many areas of parks were empty throughout the day and sometimes even on weekends. Thus, there is reason to improve the utilization of existing parks, possibly by scheduling activities that attract people who have time during the non-peak hours. Nevertheless, overall capacity is unlikely to be sufficient to serve all residents during peak time.
Supervised activities draw more people to the park.
We counted more users in those parks with a greater number of supervised activities. This is partly because special events like sports competitions attract not just the players but also spectators. Variation in the number of users across similar types of parks serving similar populations suggests that changes in programming and events may have a significant impact on park usage and physical activity.

RECOMMENDATIONS

Optimize proximity to venues for physical activity.
Proximity is important in determining whether or not people will use a park. Many residents are without a park within a mile of their residence, and there are far more residents than existing park space can serve. Some creative ideas are needed to develop alternative facilities, such as walking paths or trails or pocket parks, which would provide additional resources so that everybody has access to some form of physical activity venue within 1 mile of their residence, even if it is not a park. Those alternative facilities might also serve a different subgroup of residents (e.g., adults or senior citizens) better than a traditional park with playing fields.

Creating alternative facilities will require additional space not currently managed by the Department of Recreation and Parks. Land that might be adapted for recreational use includes existing city streets, greenways, commercial areas and underutilized lots, including parking lots. The Department of Recreation and Parks should collaborate with other city departments that are responsible for land use, sidewalks and streets, and housing and commercial properties to increase the use of these spaces for physical activity. Parks are desirable walking destinations. Having additional walking venues closer to residences may help individuals increase their level of physical activity.

Offer more program services to females and seniors.
More balanced programming services across user types will contribute to increased use of Los Angeles’ parks. Park leadership might consider offering a greater number of organized activities that promote moderate physical activity for females, adults, and seniors. Much of park space is currently devoted to vigorous activities (e.g., basketball), which may be too active for many people. Both moderate and vigorous activities are needed, particularly for females and seniors—two groups that currently underutilize park services.
Facilitate walking and moderate to vigorous physical activity.

Moderate activity is important for everyone, and since most people like to walk, making parks an inviting place for walking should be a high priority for the communities of Los Angeles. Efforts to improve the design of parks and their facilities should focus on creating more walking paths and tracks. These could border or surround existing active spaces and/or could be created with additional features that make them attractive to a broad range of the population. Landscaping that provides shade for walkers and/or other unique points of interest could draw local residents. Paths could be added around or outside of existing parks as well, with appropriate signage to make the route attractive and to help people become aware of distances walked or steps taken. Parks could organize walking clubs and schedule regular events to encourage community members to participate. Although most residents say parks are easy to get to, the Department of Recreation and Parks could work with other city departments to increase the attractiveness and safety of sidewalks and roads around the parks to encourage more people to walk to them.

Maximize current park capacity.

Parks are underutilized particularly in the mornings and on some weekdays. This provides an opportunity to develop programming to attract residents who are not at work, including senior citizens. Senior citizens as a group use parks less often, but when they do use them, they tend to use those parks offering specific activities and facilities targeted toward seniors (e.g., senior centers). Also, the addition of more programs for women who may be home in the morning may be useful to increase their physical activity. Scheduling more supervised activities and events in the park is likely to draw more park users.