

Parks, gardens might boost life spans in poorer neighborhoods

October 19 2022



The key to narrowing the gap in how long a person lives if they're poor

vs. if they're wealthy could be as simple as adding green space to certain neighborhoods.

Every 10% increase in natural space and private gardens was linked to a 7% drop in early deaths in people younger than 65, according to a new study published Oct. 17 in the *Journal of Epidemiology and Community Health*.

"An increased amount of natural/[green spaces](#) within local areas has the potential to reduce the disparity in YLL [years of life lost] between the most and least income deprived areas—the '[equigenic](#)' effect," said researchers led by Richard Mitchell, from the University of Glasgow in the United Kingdom.

Previous evidence has suggested that having greater access to natural space could improve [health](#), so the investigators set out to learn whether it would change life span and protect against an earlier death.

They used data from the 2016 Scottish Burden of Disease to see the gap between expected and actual life span for adults younger than 65 at their time of death.

The team divided this data by "datazone," or geographical units of approximately 500 to 1,000 residents in an area with physical boundaries, natural communities and households with similar social characteristics.

The researchers also tracked areas of natural space or private gardens in square meters. These included woodlands, scattered trees, marsh, open water, grassland, farmland, agriculture and general natural areas, as well as bare ground.

In the poorest areas, there was the lowest average percentage cover of

natural space and gardens and the highest levels of ill health.

Having increased availability of natural space within local areas was associated with a reduction in the disparity in years of life lost between areas that were either the most or least deprived. The study found that even moderate levels of natural space seemed to make a difference.

"In practice, not everyone can live in an area with a high percentage of green or natural space; however, this does not mean that even small amounts of such areas are not beneficial," Mitchell and colleagues said in a journal news release.

The study was observational and can't establish cause and effect. The research also did not include information on lifestyle behavior, personal economic circumstances or how much people used their natural space.

In addition, the researchers didn't differentiate between urban and rural natural space, air pollution or access to health care, noted the authors of an accompanying editorial. They included Jeroen Douwes of Massey University College of Health in Wellington, New Zealand.

Yet, the editorialists said if the link between natural [space](#) and a reduction in [health inequity](#) was true, this "could provide an additional public health tool to reduce the large health inequities that exist for deprived populations, [indigenous peoples](#) and other ethnic minorities.

"Substantial knowledge gaps remain, including limited understanding of what aspects of the natural environment are protective, which biological mechanisms are involved and how we can most effectively apply this knowledge to reduce the increasing burden of [non-communicable diseases]," the editorialists said.

More information: The U.S. Environmental Protection Agency has

more on [green space](#).

SOURCE: *Journal of Epidemiology and Community Health*, news release, Oct. 17, 2022

Copyright © 2022 [HealthDay](#). All rights reserved.

Citation: Parks, gardens might boost life spans in poorer neighborhoods (2022, October 19)
retrieved 6 May 2024 from
<https://medicalxpress.com/news/2022-10-gardens-boost-life-spans-poorer.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--