

Link found between air pollution and global cardiovascular disease–related deaths

February 7 2024



Credit: Unsplash/CC0 Public Domain

A recent analysis of data from nearly all World Health Organization member states clearly demonstrates a link between air pollution and mortality from cardiovascular diseases, with more of such deaths

associated with air pollution in low-income countries compared with high-income countries.

In all 183 countries included in the *Chronic Diseases and Translational Medicine* [study](#), ischemic heart disease-related deaths attributed to air pollution were higher than stroke-related deaths caused by air pollution. In 2019, outdoor air pollution caused 16 ischemic heart disease-related deaths per 100,000 people in high-income countries compared with 70 per 100,000 in low-income countries.

Also, in [low-income countries](#), household air pollution due to polluting fuels and stoves for cooking was a major problem. It contributed to greater than two times more stroke-related deaths than outdoor air pollution (39 stroke-related deaths per 100,000 versus 19 per 100,000).

"Effective [air pollution](#) control along with lifestyle modifications and disease management should be essential components of cardiovascular disease preventive strategies," said corresponding author Nikolai Khaltsev, MD, of the Global Alliance against Chronic Respiratory Diseases, in Switzerland.

More information: Cardiovascular disease mortality and air pollution in countries with different socio-economic status, *Chronic Diseases and Translational Medicine* (2024). [DOI: 10.1002/cdt3.116](https://doi.org/10.1002/cdt3.116)

Provided by Wiley

Citation: Link found between air pollution and global cardiovascular disease-related deaths (2024, February 7) retrieved 27 April 2024 from <https://medicalxpress.com/news/2024-02-link-air-pollution-global-cardiovascular.html>

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.