



# PRESS RELEASE

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**EMBARGOED FOR RELEASE UNTIL  
NOVEMBER 4, 2022 AT 4:30 PM ET**

## LONG-TERM EXPOSURE TO AIR POLLUTION MAY INCREASE KIDNEY DISEASE RISK

### Highlights

- Among adults with normal kidney function, exposure to higher concentrations of components of air pollution was linked with higher risks of later developing chronic kidney disease.
- Compared with individuals with high genetic risk of developing kidney disease, those with high air pollution exposure and low genetic risk faced a higher risk of developing chronic kidney disease.
- Results from the study will be presented at ASN Kidney Week 2022 November 3–November 6.

**Orlando (November 4, 2022)** — Both genetic and environmental factors contribute to chronic kidney disease (CKD). New research assessed the interaction of air pollution and genetic factors on the development of CKD. The research will be presented at ASN Kidney Week 2022 November 3–November 6.

Investigators analyzed data from 350,994 participants without CKD at baseline in the UK Biobank. Exposure to higher concentrations of components of air pollution was linked with higher risks of developing CKD. Compared with individuals with high genetic risk of developing CKD, those with high air pollution exposure and low genetic risk faced a higher risk of developing CKD.

“Long-term exposure to air pollution may increase the risk of CKD, especially in those with low genetic risk,” the authors wrote.

Study: “Air pollution, genetic factors, and the risk of incident chronic kidney disease: a prospective study of polygenic risk score analysis in the UK Biobank”

*ASN Kidney Week 2022, the largest nephrology meeting of its kind, will provide a forum for nephrologists and other kidney health professionals to discuss the latest findings in research and engage in educational sessions related to advances in the care of patients with kidney diseases and related disorders.*

*Since 1966, ASN has been leading the fight to prevent, treat, and cure kidney diseases*

*throughout the world by educating health professionals and scientists, advancing research and innovation, communicating new knowledge, and advocating for the highest quality care for patients. ASN has more than 20,000 members representing 132 countries. For more information, visit [www.asn-online.org](http://www.asn-online.org) and follow us on [Facebook](#), [Twitter](#), [LinkedIn](#), and [Instagram](#).*

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