

Schizophrenia linked to increased risk for subsequent CVD events

March 1 2024, by Elana Gotkine



Schizophrenia is associated with an increased risk of subsequent cardiovascular disease (CVD) events, with the association stronger in women, according to a study published online Feb. 27 in the *Journal of the American Heart Association*.

Jin Komuro, M.D., from the University of Tokyo, and colleagues

conducted a retrospective analysis of 4,124,508 individuals aged 18 to 75 years to assess the relationship of [schizophrenia](#) with the risk for developing CVD events. The primary end point was a composite of myocardial infarction, angina pectoris, stroke, heart failure, atrial fibrillation, and pulmonary thromboembolism.

The researchers observed 182,158 composite end points during a mean follow up of $1,288 \pm 1,001$ days. In both men and women, there was a significant relationship of schizophrenia with an increased risk for developing composite CVD events, and a stronger association was seen in women. After multivariable adjustment, the hazard ratio for the composite end point was 1.63 and 1.42 in women and men, respectively. For [angina pectoris](#), [heart failure](#), and [atrial fibrillation](#), this sex-specific difference in the association between schizophrenia and incident CVD was consistent.

"Our results suggest a need for greater support for individuals (particularly women) with schizophrenia," the authors write. "Psychiatrists, cardiologists, and general physicians should share the findings of this study and apply them to CVD prevention, especially in women."

Several authors disclosed ties to the biopharmaceutical industry.

More information: Jin Komuro et al, Sex Differences in the Relationship Between Schizophrenia and the Development of Cardiovascular Disease, *Journal of the American Heart Association* (2024). [DOI: 10.1161/JAHA.123.032625](https://doi.org/10.1161/JAHA.123.032625)

Copyright © 2024 [HealthDay](#). All rights reserved.

Citation: Schizophrenia linked to increased risk for subsequent CVD events (2024, March 1)

retrieved 26 June 2024 from <https://medicalxpress.com/news/2024-03-schizophrenia-linked-subsequent-cvd-events.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.