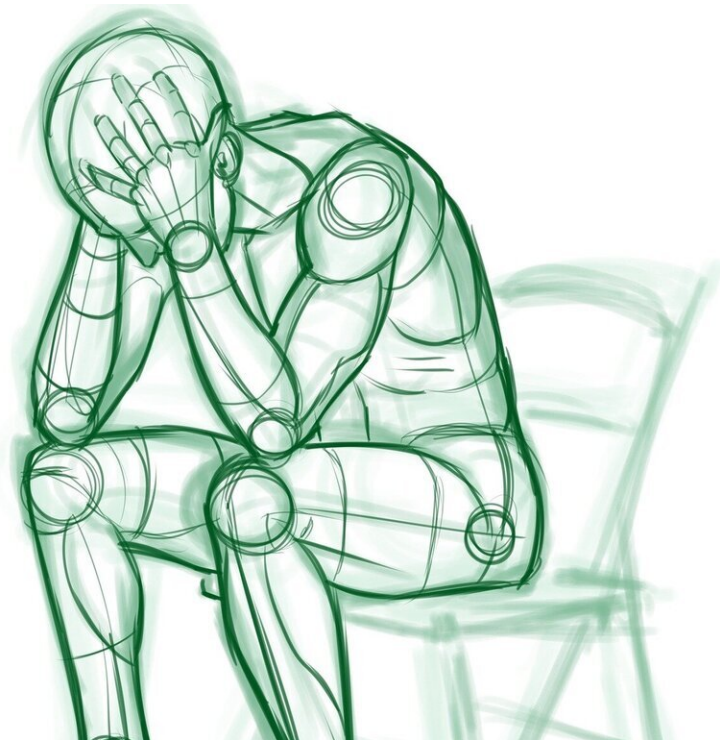


# Antidepressants may improve outcomes in people with diabetes and depression

July 14 2021

---



Credit: CC0 Public Domain

People with diabetes and depression who take antidepressants may have a lower risk of death and of serious diabetes complications, according to a new study published in the Endocrine Society's *Journal of Clinical Endocrinology & Metabolism*.

People with [diabetes](#) face a higher risk of [depression](#), which makes them more likely to die or develop [diabetes complications](#) including heart and [kidney disease](#), stroke, eye, and foot problems. Depression makes diabetes complications worse due to stress, body weight changes, and lack of exercise.

"People with depression and diabetes have poorer health outcomes than those with diabetes alone, and regular antidepressant treatment could lower their risk of complications," said study author Shi-Heng Wang, Ph.D., of the China Medical University in Taichung, Taiwan.

"People who adhere to their antidepressants have better diabetes outcomes and quality of life than those with poor adherence," said study author Chi-Shin Wu, M.D., Ph.D., of the National Taiwan University Hospital in Taipei, Taiwan.

The researchers conducted a nationwide retrospective cohort study of 36,276 patients with depression and diabetes to determine if [antidepressants](#) could improve diabetes outcomes. They found regular antidepressant treatment was associated with a lower risk of death and heart disease.

Other authors of the study include: Le-Yin Hsu of the National Taiwan University in Taipei, Taiwan; and Yi-Jiun Pan of the China Medical University in Taichung, Taiwan.

The manuscript received funding from the Ministry of Science and Technology, the China Medical University, and the Ministry of Health and Welfare.

**More information:** Chi-Shin Wu et al, Associations Between Antidepressant Use and Advanced Diabetes Outcomes in Patients with Depression and Diabetes Mellitus, *The Journal of Clinical Endocrinology*

*& Metabolism* (2021). [DOI: 10.1210/clinem/dgab443](https://doi.org/10.1210/clinem/dgab443)

Provided by The Endocrine Society

Citation: Antidepressants may improve outcomes in people with diabetes and depression (2021, July 14) retrieved 6 May 2024 from <https://medicalxpress.com/news/2021-07-antidepressants-outcomes-people-diabetes-depression.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.