

# New evidence that drinking coffee may reduce the risk of diabetes

June 9 2010

---



A study provides new evidence that drinking coffee may help prevent type 2 diabetes.

Scientists are reporting new evidence that drinking coffee may help prevent diabetes and that caffeine may be the ingredient largely responsible for this effect. Their findings, among the first animal studies to demonstrate this apparent link, appear in ACS' *Journal of Agricultural and Food Chemistry*.

Fumihiko Horio and colleagues note that past studies have suggested that regular coffee drinking may reduce the risk of [type 2 diabetes](#). The disease affects millions in the United States and is on the rise worldwide. However, little of that evidence comes from studies on lab animals used to do research that cannot be done in humans.

The scientists fed either water or coffee to a group of laboratory mice commonly used to study diabetes. Coffee consumption prevented the development of high-blood sugar and also improved insulin sensitivity in the mice, thereby reducing the risk of diabetes. Coffee also caused a cascade of other beneficial changes in the [fatty liver](#) and inflammatory adipocytokines related to a reduced diabetes risk. Additional lab studies showed that caffeine may be "one of the most effective anti-diabetic compounds in coffee," the scientists say.

**More information:** "Coffee and Caffeine Ameliorate Hyperglycemia, Fatty Liver, and Inflammatory Adipocytokine Expression in Spontaneously Diabetic KK-Ay Mice", *Journal of Agricultural and Food Chemistry*.

Provided by American Chemical Society

Citation: New evidence that drinking coffee may reduce the risk of diabetes (2010, June 9) retrieved 17 July 2024 from <https://phys.org/news/2010-06-evidence-coffee-diabetes.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.