

Eating yogurt may reduce cardiovascular disease risk

15 February 2018



Credit: Wikipedia / CC-BY-SA-3.0-de

A new study in the *American Journal of Hypertension*, published by Oxford University Press, suggests that higher yogurt intake is associated with lower cardiovascular disease risk among hypertensive men and women.

High blood pressure is a major cardiovascular disease risk factor. Clinical trials have previously demonstrated [beneficial effects](#) of dairy consumption on cardiovascular [health](#). Yogurt may independently be related to cardiovascular disease risk.

High blood pressure affects about one billion people worldwide but may also be a major cause of cardiovascular health problems. Higher dairy consumption has been associated with beneficial effects on cardiovascular disease-related comorbidities such as hypertension, type 2 diabetes, and insulin resistance.

For the current analyses, participants included over 55,000 [women](#) (ages 30-55) with [high blood](#)

[pressure](#) from the Nurses' Health Study and 18,000 men (ages 40-75) who participated in the Health Professionals Follow-Up Study.

In the Nurses' Health Study, participants were asked to complete a mailed 61-item questionnaire in 1980 to report usual dietary intake in the preceding year. Participants subsequently reported any interim physician-diagnosed events including myocardial infarction, stroke, and revascularization. Permission was requested to access medical records to confirm all reported new diagnoses.

Higher intakes of [yogurt](#) were associated with a 30 percent reduction in risk of myocardial infarction among the Nurses' Health Study women and a 19 percent reduction in the Health Professionals Follow-Up Study men.

There were 3,300 and 2,148 total cardiovascular disease cases ([myocardial infarction](#), stroke, and revascularization) in the Nurses' Health Study and the Health Professionals Follow-Up Study, respectively. Higher yogurt intake in women was associated with a 16 percent lower risk of undergoing revascularization.

In both groups, participants consuming more than two servings a week of yogurt had an approximately 20 percent lower risks of major coronary heart disease or stroke during the follow-up period. When revascularization was added to the total cardiovascular disease outcome variable, the risk estimates were reduced for both men and women, but remained significant.

Higher yogurt intake in combination with an overall heart-healthy diet was associated with greater reductions in [cardiovascular disease risk](#) among hypertensive men and women.

"We hypothesized that long-term yogurt intake might reduce the risk of cardiovascular problems since some previous small studies had shown

beneficial effects of fermented dairy products," said one of the paper's authors, Justin Buendia. "Here, we had a very large cohort of hypertensive men and women, who were followed for up to 30 years. Our results provide important new evidence that yogurt may benefit heart health alone or as a consistent part of a diet rich in fiber-rich fruits, vegetables, and whole grains."

More information: "Regular Yogurt Intake and Risk of Cardiovascular Disease Among Hypertensive Adults" *American Journal of Hypertension* (2018). [DOI: 10.1093/ajh/hpx220](https://doi.org/10.1093/ajh/hpx220)

Provided by Oxford University Press

APA citation: Eating yogurt may reduce cardiovascular disease risk (2018, February 15) retrieved 21 September 2020 from <https://medicalxpress.com/news/2018-02-yogurt-cardiovascular-disease.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.