

More dairy associated with higher bone density and greater spine strength in men over 50

April 5 2018



Credit: CC0 Public Domain

Researchers from Hebrew SeniorLife's Institute for Aging Research (IFAR), Wageningen University, Tilburg University, University of Reading, and Beth Israel Deaconess Medical Center (BIDMC) have discovered that higher intake of dairy foods, such as milk, yogurt, and cheese, is associated with higher volumetric bone mineral density and vertebral strength at the spine in men. Dairy intake seems to be most beneficial for men over age 50, and continued to have positive associations irrespective of serum vitamin D status.

In women, researchers found no significant results except for a positive association of cream intake in the cross sectional area of the bone.

Study participants included 1,522 men and 1,104 women from the Framingham Study, aged 32-81 years. Researchers examined quantitative computed tomography (QCT) measures of bone to determine associations with [dairy intake](#).

Shivani Sahni, Ph.D., Director Nutrition Program and Associate Scientist at IFAR and senior author of the study said, "This study related dairy intake with QCT- derived bone measures, which are unique because they provide information on bone geometry and compartment-specific bone density that are key determinants of [bone strength](#). The results of this study highlight the beneficial role of a combination of [dairy foods](#) upon bone health and these beneficial associations remain irrespective of serum vitamin D status in a person."

The results of this study were published recently in the *Journal of Bone and Mineral Density*.

More information: Laura H van Dongen et al, Higher Dairy Food Intake Is Associated With Higher Spine Quantitative Computed Tomography (QCT) Bone Measures in the Framingham Study for Men But Not Women, *Journal of Bone and Mineral Research* (2018). [DOI:](#)

[10.1002/jbmr.3414](https://doi.org/10.1002/jbmr.3414)

Provided by Hebrew SeniorLife Institute for Aging Research

Citation: More dairy associated with higher bone density and greater spine strength in men over 50 (2018, April 5) retrieved 16 June 2024 from <https://medicalxpress.com/news/2018-04-dairy-higher-bone-density-greater.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.