

High Framingham risk score seen for women with history of migraine

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High Framingham risk score (FRS) categories are seen among women

with a history of migraine, but not for those with active migraine at baseline or during follow-up, according to a study published online Aug. 19 in *Neurology*.

Khatera Ibrahim, M.D., from Erasmus MC in Rotterdam, Netherlands, and colleagues used data from a cohort study of 27,539 female health professionals without a history of cardiovascular disease or other major diseases to examine the association between FRS categories and [migraine](#) status. Overall, 21,927 women did not report migraine, while 1,500, 3,579, and 533 reported a history of migraine, migraine at baseline, and migraine for the first time during follow-up, respectively.

The researchers found that those with FRS ≥ 10 percent compared with FRS ≤ 1 percent had increased odds of the probability of having a history of migraine at baseline (versus never migraine; adjusted odds ratio, 1.76). In contrast, there was an inverse association seen for having FRS ≥ 10 percent versus FRS ≤ 1 percent with migraine at baseline and with newly reported migraine during follow-up (odds ratios, 0.64 and 0.42, respectively). A similar inverse association was seen for FRS categories of 5 to 9 and 2 to 4 percent.

"Our results suggest that a relatively healthy vascular system, as assessed by the FRS, is associated with migraine activity status or developing migraine in the future," the authors write. "The [biological mechanisms](#) underlying these observations, as well as how our observations might be related to specific cardiovascular disease end points, remain to be studied."

More information: Khatera Ibrahim et al, Vascular Risk Score and Associations With Past, Current, or Future Migraine in Women: Cohort Study, *Neurology* (2022). [DOI: 10.1212/WNL.0000000000201009](https://doi.org/10.1212/WNL.0000000000201009)

Several authors disclosed financial ties to the pharmaceutical industry.

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