

# Advanced neoplasia risk found to increase at upper range of negative FIT values

November 7 2023, by Elana Gotkine

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Individuals in the upper range of fecal immunochemical test (FIT)-negative screening have an increased risk for advanced neoplasia

(AN), according to a research letter published online Nov. 7 in the *Annals of Internal Medicine*.

Tobias Niedermaier, Ph.D., from the German Cancer Research Center in Heidelberg, and colleagues provided a dose-response analysis of the association between fecal hemoglobin concentrations and the presence of AN (colorectal cancer or advanced adenoma) in an ongoing study involving participants of screening colonoscopy in Germany. A quantitative FIT was performed before screening [colonoscopy](#). Data were included for 7,398 participants; 90.0 percent had fecal hemoglobin concentrations below the recommended FIT cutoff (17 µg/g).

The researchers found that 41 and 81 percent of all participants had hemoglobin concentrations

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