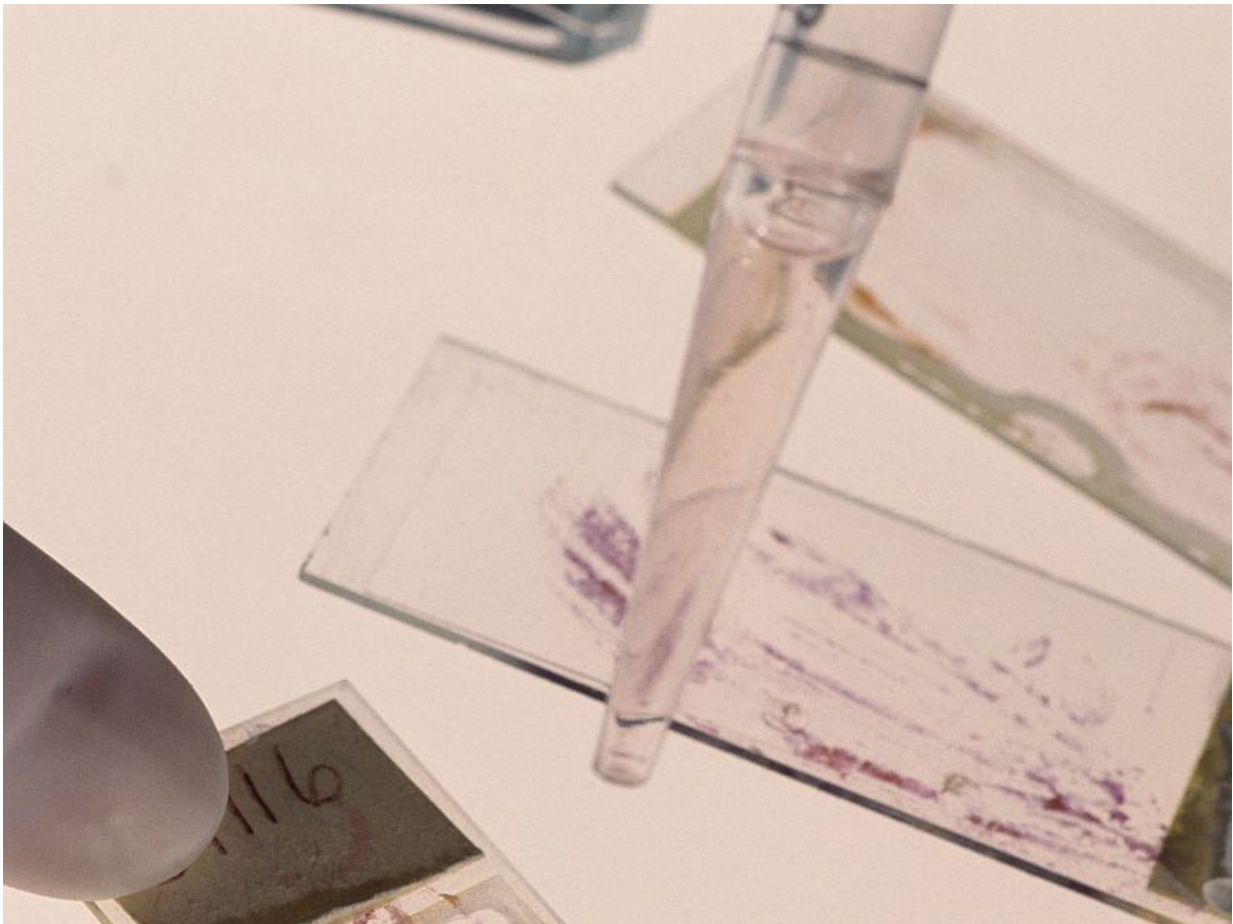


# Clinical significance of varying degrees of neutropenia explored

January 28 2016

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(HealthDay)—Neutropenia is associated with viral infections and

hematological malignancies in a dose-dependent manner, according to a study published online Jan. 21 in the *Journal of Internal Medicine*.

C.L. Andersen, from the University of Copenhagen in Denmark, and colleagues examined the clinical significance of [neutropenia](#). A primary care resource was used to examine the correlation with various conditions and all-cause mortality in the four years following neutropenia identification for more than 370,000 individuals.

The researchers identified neutropenia in about 1 percent of all individuals, which correlated with viral infections, hematological malignancies (but not autoimmune disorders or solid cancers), and mortality in a dose-dependent manner. There was a particular correlation for neutropenia with HIV, acute leukemias, and myelodysplastic syndromes. For individuals with subnormal, mild, and moderate neutropenia, the odds ratios for [viral infections](#) were 2.32, 2.80, and 4.77, respectively (all P < .05, respectively).

"The risk estimates presented here support focusing attention to [viral diseases](#) and hematological malignancies when neutropenia is observed," the authors write.

**More information:** [Abstract](#)  
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