

Atopic dermatitis increases risk for inflammatory bowel disease

September 1 2023, by Lori Solomon



Both children and adults with atopic dermatitis have an increased risk

for inflammatory bowel disease (IBD), according to a study published online Aug. 30 in *JAMA Dermatology*.

Zelma C. Chiesa Fuxench, M.D., from University of Pennsylvania in Philadelphia, and colleagues examined the association of [atopic dermatitis](#) with the risk for ulcerative colitis and Crohn disease. The analysis included more than 1.8 million pediatric controls matched to 409,431 children with atopic dermatitis (93.2 percent mild, 5.5 percent moderate, and 1.3 percent severe) and close to 2.7 million adult controls matched to 625,083 adults with atopic dermatitis (65.7 percent mild, 31.4 percent moderate, and 2.9 percent severe).

The researchers found that in fully adjusted models, children with atopic dermatitis had an increased risk for IBD (hazard ratio [HR], 1.44; 95 percent confidence interval [CI], 1.31 to 1.58) and Crohn disease (HR, 1.74; 95 percent CI, 1.54 to 1.97), which increased with worsening atopic dermatitis. However, [children](#) with atopic dermatitis did not have an overall increased risk for ulcerative colitis (HR, 1.09; 95 percent CI, 0.94 to 1.27), although those with severe atopic dermatitis did (HR, 1.65; 95 percent CI, 1.02 to 2.67). For [adults](#) with atopic dermatitis, there was an increased risk for IBD (HR, 1.34; 95 percent CI, 1.27 to 1.40), Crohn disease (HR, 1.36; 95 percent CI, 1.26 to 1.47), and [ulcerative colitis](#) (HR, 1.32; 95 percent CI, 1.24 to 1.41), with the risk increasing with worsening atopic dermatitis.

"Clinicians should be aware of these risks, particularly when selecting systemic treatments for atopic dermatitis in patients who may have coincident gastrointestinal symptoms," write the authors.

Several authors disclosed ties to the pharmaceutical and biopharmaceutical industries.

More information: Zelma C. Chiesa Fuxench et al, Risk of

Inflammatory Bowel Disease in Patients With Atopic Dermatitis, *JAMA Dermatology* (2023). DOI: [10.1001/jamadermatol.2023.2875](https://doi.org/10.1001/jamadermatol.2023.2875)

Copyright © 2023 [HealthDay](#). All rights reserved.

Citation: Atopic dermatitis increases risk for inflammatory bowel disease (2023, September 1) retrieved 21 May 2024 from <https://medicalxpress.com/news/2023-09-atopic-dermatitis-inflammatory-bowel-disease.html>

<p>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.</p>
--