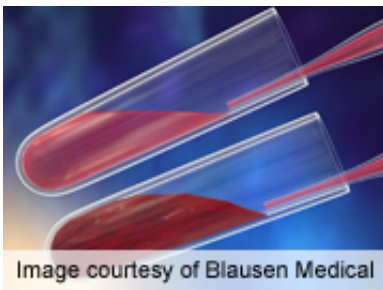


Before 2011 guidelines, lipid screening rates in children low

September 9 2014



(HealthDay)—In the years leading up to the 2011 guidelines on cardiovascular health, lipid screening was uncommon in 9- to 11-year-olds and was performed in a minority of 17- to 19-year-olds, according to a study published online Aug. 26 in *Circulation: Cardiovascular Quality and Outcomes*.

Karen L. Margolis, M.D., M.P.H., from the HealthPartners Institute for Education and Research in Minneapolis, and colleagues assessed the frequency and results of lipid testing in 301,080 [children](#) and adolescents (aged 3 to 19 years) enrolled in three large U.S. health systems between 2007 and 2010—before the release of the 2011 guidelines.

The researchers found that, overall, 9.8 percent of the study population was tested for lipids. The percent tested varied by [body mass index](#)

(BMI) percentile (5.9 percent of normal-weight children, 10.8 percent of overweight children, and 26.9 percent of obese children) and age (8.9 percent of 9- to 11-year-olds and 24.3 percent of 17- to 19-year-olds). Among 10- to 19-year-olds who were tested, abnormal lipid levels were found in 8.6 percent for total cholesterol, 22.5 percent for high-density lipoprotein cholesterol (HDL-C), 12 percent for non-HDL-C, 8 percent for low-density lipoprotein cholesterol, and 21 percent for triglycerides. The association between abnormal lipid levels and BMI was strong and graded, particularly for HDL-C and triglycerides, with a two-fold to six-fold higher odds ratio in [obese children](#) than normal-weight children.

"These data serve as a benchmark for assessing change in practice patterns after the new recommendations for pediatric [lipid](#) screening and management," the authors write.

One author disclosed financial ties to the pharmaceutical industry.

More information: [Abstract](#)
[Full Text \(subscription or payment may be required\)](#)

Copyright © 2014 [HealthDay](#). All rights reserved.

Citation: Before 2011 guidelines, lipid screening rates in children low (2014, September 9)
retrieved 9 April 2024 from
<https://medicalxpress.com/news/2014-09-guidelines-lipid-screening-children.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>
--