

New study shows link between early antibiotic exposure and childhood obesity in Latinos

February 15 2017

Volume 13, Number 1 • February 2017 • ISSN 2153-2168

Childhood OBESITY

Pediatric Loss of Control Eating and High-Sensitivity C-Reactive Protein Concentrations


Establishment of the Pediatric Obesity Weight Evaluation Registry (POWER)


Measuring Activity Levels in Youth with Type 2 Diabetes

Bacterial and Fungal Gut Microbes in Obese Children

The Effect of Age on Obesity Prevalence among Autistic Youth

Feasibility of a Friendship Network-Based Pediatric Obesity Intervention



Mary Ann Liebert, Inc.  publishers

www.liebertpub.com/chi

Credit: Mary Ann Liebert, Inc., publishers

Antibiotic exposure before age 6 months was associated with an increased risk for obesity at 2 years of age in a study of Latino infants in a low-income urban community. Harmful effects of antibiotics on the healthy gut microbiome during this sensitive developmental period could increase obesity risk, according to an article published in *Childhood Obesity*.

In the article "Early Antibiotic Exposure and Risk of *Childhood Obesity* in Latinos," Annette Ville, Melvin Heyman, Rosalinda Medrano, and Janet Wojcicki, University of California San Francisco, evaluated mothers' reports of infant antibiotic exposure (type and frequency) at 6 months and 1 year of age and their descriptions of infant dietary intake. The researchers showed a statistically significant increased risk for early rapid weight gain and obesity at age 2 years among infants exposed to antibiotics during the first 6 months of life.

"While recent cross-sectional and longitudinal studies have shown a relationship between early antibiotic exposure and [child obesity](#), a clever recent secondary analysis of a [randomized clinical trial](#) detected no such relationship. Obviously more such research is needed," says *Childhood Obesity* Editor-in-Chief Tom Baranowski, PhD, Baylor College of Medicine, Houston, TX. "The work by Dr. Ville and colleagues expands this work to Latino families and detects quite strong odds ratios for obesity from early antibiotic use even after controlling for potential confounding variables. While this is obviously not the last word in this important area of research, it provides an important piece of the puzzle."

More information: Annette P. Ville et al, Early Antibiotic Exposure and Risk of Childhood Obesity in Latinos, *Childhood Obesity* (2017). [DOI: 10.1089/chi.2016.0235](https://doi.org/10.1089/chi.2016.0235)

Provided by Mary Ann Liebert, Inc

Citation: New study shows link between early antibiotic exposure and childhood obesity in Latinos (2017, February 15) retrieved 3 March 2023 from <https://medicalxpress.com/news/2017-02-link-early-antibiotic-exposure-childhood.html>

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.