

Resistant *A. baumannii* rose in children from 1999 to 2012

June 18 2018



(HealthDay)—Between 1999 and 2012, *Acinetobacter baumannii* (*A.*

baumannii) antibiotic resistance increased in children, though there was a decreasing trend after 2008, according to a study published in the *Journal of the Pediatric Infectious Diseases Society*.

Latania K. Logan, M.D., from the Rush University Medical Center in Chicago, and colleagues used antimicrobial susceptibility data from The Surveillance Network to phenotypically identify [antibiotic resistance](#) in *A. baumannii* isolates in children aged 1 to 17 years between January 1999 and July 2012. Overall, 6,246 pediatric *A. baumannii* isolates were identified.

The researchers found that the crude proportion of cephalosporin-resistant (CephR) *A. baumannii* increased from 13.2 percent in 1999 to 23.4 percent in 2012, with a peak of 32.5 percent in 2008. Similarly, the proportion of carbapenem(CR)-resistant *A. baumannii* increased from 0.6 percent in 1999 to 6.1 percent in 2012, peaking at 12.7 percent in 2008. From 1999 to 2012, the proportion of CephR- and CR-resistant *A. baumannii* increased each year by 3 and 8 percent, respectively (CephR odds ratio [OR], 1.03; CR OR, 1.08). After 2008 there was a significant decreasing trend (CephR OR, 0.78; CR OR, 0.73), although [resistance](#) remained higher than the 1999 baseline.

"There is a need for ongoing surveillance of *A. baumannii* infections and continued assessment of effective prevention strategies in vulnerable populations," the authors write.

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

Copyright © 2018 [HealthDay](#). All rights reserved.

Citation: Resistant *A. baumannii* rose in children from 1999 to 2012 (2018, June 18) retrieved 24

April 2024 from

<https://medicalxpress.com/news/2018-06-resistant-baumannii-rose-children.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.