

Interventions up blood culture ordering in pediatric pneumonia

March 18 2015



(HealthDay)—Interventions can increase blood culture ordering in children hospitalized with community-acquired pneumonia (CAP), with no effect on length of stay (LOS), according to a study published online March 16 in *Pediatrics*.

Eileen Murtagh Kurowski, M.D., from Cincinnati Children's Hospital Medical Center, and colleagues examined the impact of interventions to increase blood cultures in children hospitalized with CAP. The primary aim was to increase ordering of blood cultures in six months, from 53 to 90 percent. Interventions to increase blood cultures focused on three key drivers and were assessed in the [emergency department](#) and inpatient units.

The researchers found that the percentage of patients admitted with

CAP who had blood cultures ordered increased from 53 to 100 percent within six months. This change was sustained for 12 months. A blood culture was ordered for 79 percent of the 303 included patients; 2.5 percent of these were positive. LOS was not increased for patients who had versus had not had a blood culture.

"Quality improvement methods were used to increase adherence to evidence-based national guidelines for performing blood cultures on children hospitalized with CAP; LOS did not increase," the authors write. "These results support obtaining blood cultures on all [patients](#) admitted with CAP without negative effects on LOS in a setting with a reliably low false-positive blood culture rate."

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

Copyright © 2015 [HealthDay](#). All rights reserved.

Citation: Interventions up blood culture ordering in pediatric pneumonia (2015, March 18) retrieved 31 January 2024 from <https://medicalxpress.com/news/2015-03-interventions-blood-culture-pediatric-pneumonia.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>
--