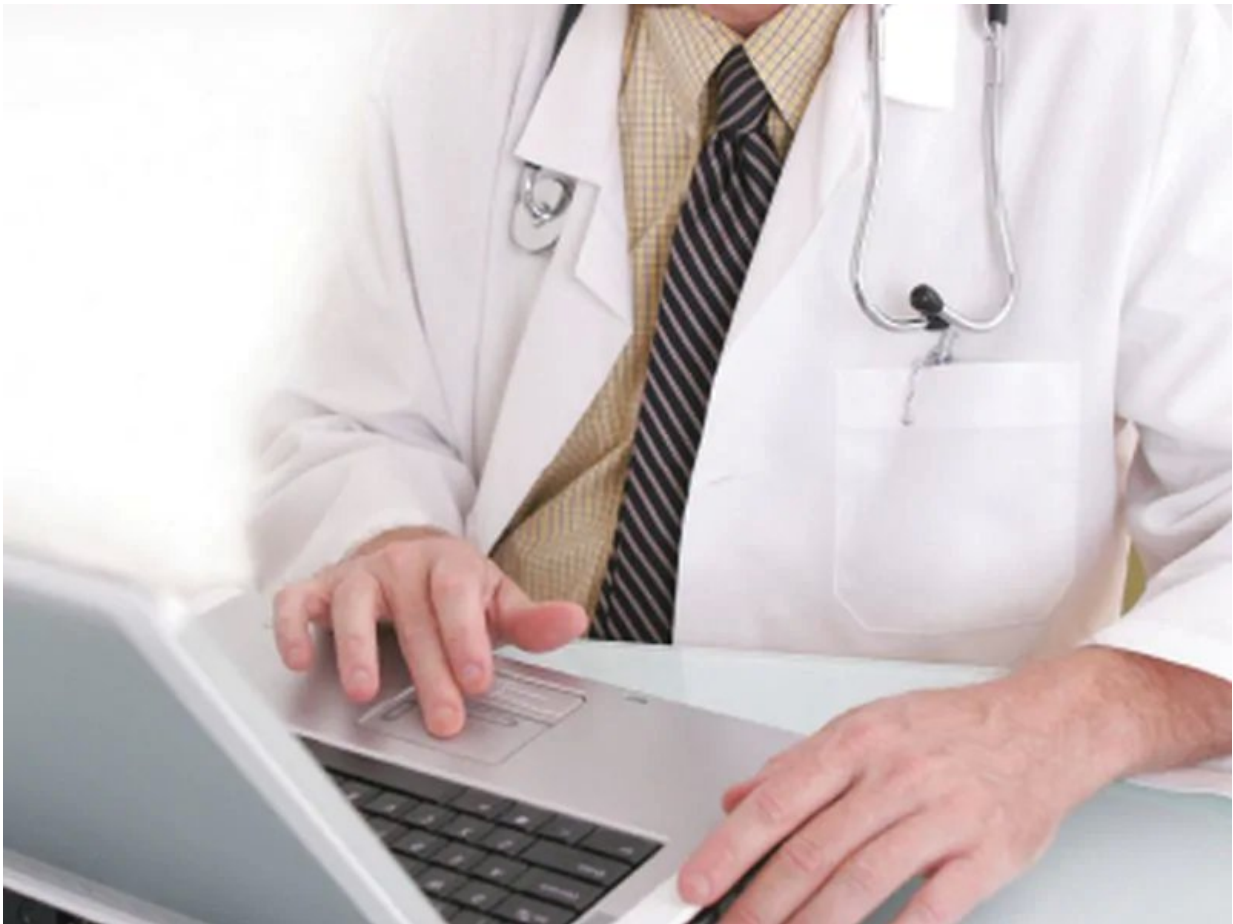


One-third of peds medication errors due to usability issues

November 13 2018



(HealthDay)—More than one-third of pediatric patient safety reports in

2012 to 2017 that were related to electronic health record (EHR) use were attributed to usability issues, according to a study published in the November issue of *Health Affairs*.

Raj M. Ratwani, Ph.D., from the Georgetown University School of Medicine in Washington, D.C., and colleagues analyzed 9,000 pediatric patient safety reports made in 2012 to 2017 (from three different health care institutions) that were thought to be related to EHR use. The authors sought to understand specific [usability](#) issues and medication errors in the care of children.

The researchers found that 36 percent of the reports had a usability issue that contributed to the medication event, and 18.8 percent of these issues might have resulted in patient harm. They observed the same general pattern of usability challenges and [medication errors](#) across the three sites. Challenges associated with system feedback and the visual display were the most commonly reported; improper dosing was the most common medication error.

"While EHRs have improved care and safety under certain circumstances, these findings suggest that thousands of patients may be put at risk because of usability challenges that stem from the design, implementation, customization, or use of this technology," the authors write.

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

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

Citation: One-third of peds medication errors due to usability issues (2018, November 13) retrieved 3 February 2023 from

<https://medicalxpress.com/news/2018-11-one-third-peds-medication-errors-due.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.