

Stepped-wedge cluster RCT to assess the effects of an electronic medication system on medication administration errors.

March 13, 2024

Westbrook JI, Li L, Woods AL, et al. Stepped-wedge cluster RCT to assess the effects of an electronic medication system on medication administration errors. *Stud Health Technol Inform.* 2024;310:329-333. doi:10.3233/shti230981.

<https://psnet.ahrq.gov/issue/stepped-wedge-cluster-rct-assess-effects-electronic-medication-system-medication>

[Medication administration errors](#) remain a common [cause](#) of preventable harm. This randomized trial investigated the impact of an electronic medication system on medication administration errors among pediatric patients at one referral hospital in Sydney, Australia. After implementation, researchers found no significant impact on medication errors with potential for serious harm or errors involving high-risk drugs.