

## Medication errors related to computerized order entry for children.

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Walsh KE, Adams WG, Bauchner H, et al. Medication errors related to computerized order entry for children. *Pediatrics*. 2006;118(5):1872-1879.

<https://psnet.ahrq.gov/issue/medication-errors-related-computerized-order-entry-children>

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This retrospective study, conducted in a children's hospital with a widely used commercial [computerized provider order entry](#) (CPOE) system, used active surveillance to examine the frequency and types of medication errors associated with CPOE. The authors found an overall rate of medication errors of 53.9 per 1000 patient-days, similar to a [prior study](#); only 19% of these were deemed to be related to design features of the CPOE system. These included errors in selecting medications from drop-down menus and selecting incorrect order sets. None of the CPOE-related adverse drug events (ADEs) resulted in patient injury. While [prior research](#) has raised concern that implementation of CPOE systems may result in more ADEs, [other research](#) supports this study's conclusion that careful attention to CPOE design features may ameliorate the risk of ADEs.