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Electronic drug administration record app cuts errors

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(HealthDay)—Use of an electronic medication administration record

(eMAR) application can reduce the rate of medication errors in medication administration recording (ME-MAR), according to a study published online April 18 in the *Journal of Evaluation in Clinical Practice*.

Noelia Vicente Oliveros, Pharm.D., from the Hospital Universitario Ramón y Cajal in Madrid, and colleagues conducted a before and after quasi-experimental study in a university hospital that implemented the eMAR application in March 2014. Data were obtained in April 2012 and June 2014, pre- and post-implementation.

A total of 2,835 pre- and 2,621 post-implementation medication administration records were analyzed. The researchers observed a decrease in the rate of ME-MAR overall, from 48.0 to 36.9 percent (P medication administration: 31.6 versus 30.2 percent). In both phases, the main cause of ME-MARs was the failure to follow work procedures. After implementation of eMAR, the potential future risk of ME-MARs decreased significantly (P

"Use of the eMAR application significantly reduces the rate of ME-MAR and their potential risk," the authors write.

 More information: Abstract
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