

## **Where errors occur in the preparation and administration of intravenous medicines: a systematic review and Bayesian analysis.**

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McDowell SE, Mt-Isa S, Ashby D, et al. Where errors occur in the preparation and administration of intravenous medicines: a systematic review and Bayesian analysis. Qual Saf Health Care. 2010;19(4):341-345. doi:10.1136/qshc.2008.029785.

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Although [computerized provider order entry](#) is being widely implemented to prevent medication errors, a significant proportion of errors are not due to incorrect prescribing, but instead occur at the drug [administration](#) stage. This study sought to estimate the error rate associated with each stage of the intravenous medication administration process and identify effective error prevention strategies. Prior research has investigated the use of [smart infusion pumps](#), [bar coding](#), and [nursing education](#) to prevent medication administration errors.