

Effect of automated unit dose dispensing with barcode scanning on medication administration errors: an uncontrolled before-and-after study.

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<https://psnet.ahrq.gov/issue/effect-automated-unit-dose-dispensing-barcode-scanning-medication-administration-errors>

Reducing [medication administration errors](#) (MAEs) is an ongoing patient safety [priority](#). This prospective study assessed the impact of automated unit dose [dispensing](#) with [barcode-assisted medication administration](#) on MAEs at one Dutch hospital. Implementation was associated with a lower probability of MAEs (particularly omission errors and wrong dose errors), but impact would likely be greater with increased compliance with barcode scanning.