

Accidents and incidents related to intravenous drug administration: a pre-post study following implementation of smart pumps in a teaching hospital.

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<https://psnet.ahrq.gov/issue/accidents-and-incidents-related-intravenous-drug-administration-pre-post-study-following>

This pre-post study evaluated the impact of [smart pump](#) infusion devices on reported [adverse drug events](#) (ADEs) in an inpatient setting. Researchers observed an increase in ADEs immediately following implementation of the new devices, as has been [previously seen](#) after electronic health record implementation. Subsequently, ADEs returned to rates similar to before smart pump use. This lack of benefit from smart pumps indicates the need for [human factors](#) approaches to characterize the actual use of devices.