

## **Using human factors design principles and industrial engineering methods to improve accuracy and speed of drug selection with medication trays.**

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Chen D-W, Chase VJ, Burkhardt ME, et al. Using Human Factors Design Principles and Industrial Engineering Methods to Improve Accuracy and Speed of Drug Selection with Medication Trays. Jt Comm J Qual Patient Saf. 2016;42(10):473-477.

<https://psnet.ahrq.gov/issue/using-human-factors-design-principles-and-industrial-engineering-methods-improve-accuracy-and>

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[Poor design](#) can contribute to human errors and workarounds that introduce opportunities for mistakes. This commentary describes an initiative that applied [human factors engineering](#) methods to enlist nurses in redesigning [medication trays](#). The project resulted in improved label visibility and medication administration efficiency. The authors highlight how frontline staff engagement contributed to the project's success and acceptance of the new equipment.