

## **Improving peripherally inserted central catheter appropriateness and reducing device-related complications: a quasiexperimental study in 52 Michigan hospitals.**

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Chopra V, O'Malley M, Horowitz J, et al. Improving peripherally inserted central catheter appropriateness and reducing device-related complications: a quasiexperimental study in 52 Michigan hospitals. *BMJ Qual Saf.* 2022;31(1):23-30. doi:10.1136/bmjqs-2021-013015.

<https://psnet.ahrq.gov/issue/improving-peripherally-inserted-central-catheter-appropriateness-and-reducing-device-related>

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Peripherally inserted central catheters (PICC) represent a key source of [preventable harm](#). Using the Michigan Appropriateness Guide for Intravenous Catheters ([MAGIC](#)), the authors sought to determine if the appropriateness of PICC use decreased related medical complications including catheter occlusion, [venous thromboembolism](#), and [central line-associated bloodstream infections](#). Use of MAGIC in 52 Michigan hospitals increased appropriate use of PICC lines and decreased medical complications.

In a 2019 PSNet [Perspective](#), Dr. Vineet Chopra described the development and implementation of MAGIC in Michigan hospitals. The HMS PICC Use Initiative is highlighted on the PSNet [Innovations](#) page.