








# Barriers and facilitators for implementing peripherally inserted central catheter (PICC) appropriateness guidelines

Results from 306 unique online surveys from 34 hospitals completed biannually October 2014–November 2018

## PICC Improvement Strategies

-  Establishing a vascular access committee
-  Implement clinical decision tool for PICC appropriateness
-  Avoid short-term PICC use ( $\leq 5$  days)
-  Increase use of single-lumen PICCs
-  Avoid PICC placement in patients with CKD

## Common Barriers to Implementation

- Achieving agreement from diverse disciplines
- Competing hospital priorities
- Delays in modifying electronic systems to enable appropriate PICC ordering



## Common Facilitators to Implementation

- Provision of quarterly benchmarking reports
- A decision algorithm
- Access to an online toolkit
- Presence of local champion support



Structured quality improvement efforts have led to sustained PICC appropriateness and improved patient safety.