This study examined PIVC practice-related metrics before and after a comprehensive process improvement program, which included a change to closed catheter technology” Platt and Osenkarski (2018).

Abstract:

With most hospitalized patients requiring peripheral intravenous catheters (PIVCs), PIVC-related process improvement may substantially affect the health, safety, and satisfaction of patients and health care workers, in addition to reducing costs. This study examined PIVC practice-related metrics before and after a comprehensive process improvement program, which included a change to closed catheter technology. Data were obtained from observations, clinician interviews, and patient records. Metrics included assessment of risk, especially blood exposure and contamination; measurement of insertion efficiency; and quantification of PIVC failure. A significant improvement in most metrics was achieved after the process improvement program.

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