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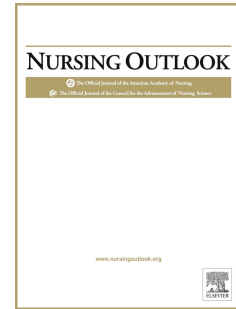
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Evidence-based nursing implementation in Mainland China: a scoping review

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Abstract:

Background: Globally, the concept of evidence-based nursing is widely accepted. However, it remains unclear how evidence is implemented in clinical nursing context. It is crucial to identify the challenges of evidence-based nursing implementation, especially for countries in transitional stage.

Objectives: We performed a scoping review on existing literature to identify the state of evidence implementation in Chinese nursing context, and to determine gaps that need to be pursued.

Design: This is a scoping review of published evidence implementation studies conducted in clinical nursing of Mainland China. Data sources: Systematic searches of literature published between January 01, 2004 and December 31, 2015 were performed in four Chinese databases (Chinese Journal Full-Text Database, China Science and Technology Journal Database, Wanfang Database, Chinese Biomedicine Literature Database), and four English database (OvidMedline, Web of Science, CINHAL, Embase).

Review methods: Research was included if it was conducted by nurses in a tertiary care settings in Mainland China. Included studies should follow an evidence-based approach, with at least one outcome of interest. We extracted data on publication year, region, funding, study design, clinical areas, databases of evidence searching, evidence sources, framework, outcome indicators, strategies of and barriers to evidence based nursing implementation.

Results: Ninety-five articles met inclusion criteria. Publications of the research were on the rise in the past 15 years, mostly from western and eastern part of China. Funding mainly came from academic institute (57%). Research was largely quantitative (95%). The most frequent studied clinical areas were nursing in cancer (n=19), critical care (n=14), and gerontology (n=12). Main topics included skin care (n=15), vascular access care (n=13), and safety management (n=11). Most evidence were RCT (n=63) and systematic reviews (n=60) in design, and Cochrane (n=77), Medline (n=50), as well as other two Chinese databases in source. Eighteen studies used framework or theories to guide evidence implementation. Patient outcomes were listed as primary indicators (n=94). Frequently used strategies of evidence-based nursing implementation included audit & feedback, practice protocol and organization structure change. Barriers to evidence-based nursing implementation were synthesized into five categories, i.e. evidence, system, culture, nurses and patients.

Conclusions: Findings from the scoping reviews indicates the urgent requirement of Chinese evidence-based nursing resources, more funding from clinical institutes, managerial support, qualitative approach to explore the process of evidence implementation, and theoretical research to guide evidence implementation in Chinese nursing context.

Keywords: evidence-based practice; implementation; nursing; scoping review

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