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Effectiveness of Implementing a Nursing Information Personnel Training Program

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Abstract

Purpose: To implement and evaluate the effectiveness of a nursing informatics training program for hospital nurses.

Materials and methods: Consensus meetings were held to identify the core competencies required for nursing informatics, upon which a corresponding training program was subsequently designed. Expert consensus interviews and a questionnaire survey were conducted to evaluate nurses' needs for training content, their satisfaction, and to differences in knowledge before and after training through a quasi-experimental research design.

Results: Expert consensus was used to establish a nursing information personnel training program comprising five key dimensions: information literacy, information management, information innovation, information security, and information materials. A total of 24 training sessions related to 5 dimensions were designed. During the data collection phase, 130 nurses participated in the training sessions; of these 130 nurses, 112 completed the questionnaire survey. On a 5-point scale, the nurses reported average demand scores of 4.67 and 4.74 for training content and satisfaction, respectively. In addition, their self-rated knowledge scores significantly increased from 2.80 to 4.00 after training.

Conclusion: By offering courses that align with core competencies and integrate clinical practice applications, the proposed program appears to effectively enhance the information literacy of nurses.

Keywords: nursing information, core competencies, training program

護理資訊人才培訓計畫之推動與成效

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摘要

目的：建構以醫院護理師為對象的護理資訊人才培訓計畫並評量其成效。

方法：透過共識會議建構護理資訊人才之核心能力，並設計護理資訊人才培訓計畫。採專家共識訪談與問卷調查法，以類實驗研究設計評價護理師對培訓內容需求性、滿意度及比較培訓前後知識差異性。

結果：專家共識建構核心能力含資訊素養、資訊管理、資訊創新、資訊安全及資訊教材，依上述五個關鍵面向規劃培訓計畫，共24場次。資料收集期間共130人次護理師參與培訓，其中112人次完成問卷調查，使用5分法分析護理師對培訓內容需求性平均4.67分、滿意度4.74分；參與培訓後自評知識由2.80分上升至4.00分有顯著提升。

結論：透過符合核心能力結合臨床實務應用之課程，能有效增進護理師資訊知能。

關鍵詞：護理資訊、核心能力、培訓計畫