

A Systematic Review on Instruments Used in Thai Nursing Administration Research

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Abstract

The purposes of this descriptive study were to aggregate instruments used in nursing and hospital administration research during the year 1969-2006 into Access 2000/ Excel 2000 databases and to evaluate the available instruments in term of the instruments' psychometrically sound. The study was based on the Donabedian's quality care assessment model (1980). The result was information of the instruments, clustered by nursing management concepts and displayed on a spreadsheet and keep in a database. There were 339 available nursing and hospital administration research studies. The total of 805 instruments used in nursing and hospital administration research were found. Nursing management concepts, as 89 key words, were used to retrieve the research studies. Nurse job satisfaction, leadership, nursing care, empowerment, organizational commitment, and nursing management were most frequent used as keywords. The instruments were clustered into three groups based on Donabedian's quality care assessment model. Leadership, organizational commitment, empowerment, and organizational culture/climate were grouped as structure. Nursing management process, risk management, conflict management, decision making, and supervision were grouped as process. Nurse and patient satisfaction, career achievement, quality of nursing care, and quality of life were grouped as outcomes. The retrieval information identified psychometrically sound instruments. Most of them were validated by 2-20 experts, validity ranged 0.50 to 0.98, and reliability ranged 0.65 to 0.99. The results of this study can be used as the help mode for saving time in instrument search and selection for nurse researchers and nurse administrators. In addition, the study can be used as a teaching model on instrument validation in nursing research class and an example of the database development in nursing informatics class. The recommendations of the study were to conduct several expert panels to evaluate and analyze the psychometrically sound and easy to use instruments in nursing and hospital management research. The network of instrument developers should be created among institutions in Thailand and international.