



# The Impact of Nurse's Character and Nursing Informatics Competency on Nursing Performance



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## AIM

This study is a descriptive survey research to examine the effects of the clinical nurse's character and nursing informatics competencies of nurses working at Korea veterans hospitals on their nursing performance.

## METHOD

### Participants

The subjects of this study were 192 clinical nurses selected through convenience sampling. The subjects had worked at hospitals located in B, D, and G Metropolitan cities for at least one year and understood the purpose of this study and voluntarily agreed to participate.

### Data collection

The data was collected upon the approval of Institutional Review Board, N University and during the period from September 6 to 30, 2021.

### Data Analysis

The collected data was analyzed using the SPSS/WIN 25.0 program in descriptive statistics, an independent t-test, ANOVA, Pearson's correlation coefficient, and multiple regression. The Scheffé test was used as a post hoc test.

### Tool

The research tools used in this study are as follows. Clinical nurse's characters were measured using a tool by Park Jeong-hye (2016); nursing informatics competency were measured using a tool developed by Jang Seon-mi (2020); and nursing performance was measured using a tool developed for clinical nurses by Koh Yu-kyeong et al. (2007) and later revised and complemented by Koh Yu-kyeong & Park Bo-hyun (2014).

## RESULTS

Nursing performance had a statistically significant positive correlation with clinical nurse's character ( $r = .69, p < .001$ ) and nursing informatics competency ( $r = .73, p < .001$ ). The study results showed that nursing informatics competency ( $\beta = .49, p < .001$ ) and clinical nurse's character ( $\beta = .41, p < .001$ ) significantly affected the nursing performance. The total explanatory power of these variables was 62.4% ( $F = 32.26, p < .001$ ).

## CONCLUSION

The above results of this study show that nurses with higher nursing informatics competency and higher levels of clinical nurse's characters exhibit better nursing performance. Programs for improving nursing informatics competency and implementation methods need to be developed in order to improve nursing performance. It is also necessary to apply an effective clinical nurse's character program to improve the level of clinical nurse's characters.

## KEYWORD

Nurse, Clinical Nurse's Characters, Nursing Informatics Competency, Nursing Performance