



Investigating the relationship between patient safety culture and Nursing Process Implementation Competence among Nurses working in medical training centers of Ardabil University of Medical Sciences in 2023

Author Mehdi mahmoudzadeh^{1*}

Affiliation: MSc Students Research Committee, School of Nursing and Midwifery, Ardabil University of Medical Sciences, Ardabil, Iran

Second Author Sana khalilzadeh Zia¹

Affiliation: MSc Students Research Committee, School of Nursing and Midwifery, Ardabil University of Medical Sciences, Ardabil, Iran

Third Author: Behrouz dadkhah²

Affiliation: Department of Nursing, Faculty of Nursing and Midwifery, Ardabil University of Medical Sciences, Ardabil, Iran

Abstract

Aim: This current study was conducted to determine the relationship between patient safety culture and Nursing Process Implementation Competence among Nurses working in medical training centers of Ardabil University of Medical Sciences in 2023.

Background: The nursing process encompasses a comprehensive framework of interconnected and dynamic care activities. Patient safety culture is among the most influential factors in ensuring patient safety.

Design: This is a correlational survey study.

Methods: The study included 267 nurses randomly selected to work in five educational hospitals in Ardebil, Northwestern Iran, in 2023. The survey included a demographic information question, Patient Safety Culture (HSOPS), and Competency of Nursing Process questionnaire. The collected data were analyzed using descriptive statistics, comparisons, reliability and normality tests, correlation, and regression analysis.

Results: Participating nurses got average scores from patient safety culture and competence in nursing process implementation. There was a significant positive correlation between patient safety culture and competence in nursing process implementation ($r = 0.26$, $P = 0.001$). The simple linear regression model indicated that the " Hospital and transitions " and " Teamwork within Units " domains were stronger predictors of nursing process implementation competence than other variables.

Conclusions: Nurses in the present study reported an average patient safety culture and competence in nursing process implementation. The results of this study can contribute to raising awareness among healthcare administrators about the needs and expectations of nurses, leading to an improvement in the quality of nursing care.



Keywords: nursing process, culture, patient safety



Introduction

The paper must not exceed 12 pages. Please use the following guidelines in preparing your full papers. If papers are not prepared according to the following guidelines they will be withdrawn from the conference program.

Elements of a Paper

The basic elements of a paper are listed below in the order in which they should appear:

- Conference header
- Paper title
- Author names and affiliations
- Abstract
- Keywords
- Introduction
- Main body of paper, including figures and tables, page numbers and footer, headings, enumerations, etc.
- Conclusions
- Acknowledgments
- Nomenclature(Not-necessary for two-page summary paper)
- References
- Appendices

Paper Preparation

All papers must be written in either English or Persian (Farsi). Paper will be presented in the language that it is written. Paper must send by uploading in the conference websit. Don't use Email for sending papers.

For English papers; the fonts for the different parts of a paper are in Times New Roman as follows:

- Title: 12 pt bold (centered)
- Author(s): 10 pt bold (centered)
- Affiliations: 10 pt (centered, italic)
- Keywords: 10 pt
- Section Headings: 11 pt bold
- Subsection Headings: 10 pt -Others: 10 pt

Each A4 page is prepared in one column. The Abstract starts 90mm from the top of the page on the first page.

Papers must be prepared using Word 2003 or higher. They must be submitted a word file(Full Paper).

The headings will start from the far left.

Use single spacing with no space between the section headings and the paragraph following it. Put one space between the texts of main sections.

Paper must have page numbers.

System of Units

SI system of units is deemed to be used. If necessary use the equivalent value in the other system of units in brackets after the SI system of units.

Equations

Equations start from the far left of the column and numbered consecutively. The equation numbers must be bracketed and placed opposite to the equation on the far right of the line in that column.

$$\sigma_r = \frac{E}{1-\nu^2} (\epsilon_r + \nu\epsilon_\theta - (1-\nu)\alpha\Delta T) \quad (1)$$

Tables, Figures and Photographs

Tables must be numbered and the title of the table must be placed on the top of the table with the footnotes on the bottom. Tables must appear where (or as close as to) they are first mentioned in the text. They must be referred in the text as "Table 1".

Figures must be numbered and the caption of the figure must come at the bottom of the figure. All the legends and the numerical values on the axes of the curves must be clear and readable. Figures must appear where (or as close as to) they are first mentioned in the text. They must be referred in the text as "Figure 1".

Photographs must original and follow 2 above for numbering and captions.

Leave one space between the Table/Figure and the text following it.

Table 1-major cities on the 21 routes to london

Route number	City 1	City 2	City 3	City 4	City 5	City 6
1	Halifax	Sheffield	Nottingham	Bedford		
2	Plymouth	Exeter	Salisbury			
3	Tiverton	Taunton	Frome			
4	Bristol	Bath	Reading			
5	Southampton	Winchester				
6	Portsmouth	Chichester				
7	Canterbury	Rochester				
8	Yarmouth	Ipswich	Colchester			
9	Norwich	Bury				
10	King's Lynn	Ely	Cambridge			
11	Berwick	Newcastle	South Shields	Sunderland	Durham	
12	Bradford	Leeds				
13	Whitby	Scarborough	York			
14	Manchester	Derby	Northampton	Leicester		
15	Hereford	Gloucester	Cirencester			
16	Beverley	Hull	Lincoln	Boston		
17	Whitehaven	Liverpool	Macclesfield	Lancaster	Carlisle	Kendal
18	Shrewsbury	Birmingham	Wolverhampton	Coventry	Dudley	
19	Worcester	Oxford				
20	Kidderminster	Warwick	Banbury			
21	Chester	Lichfield	Coventry			

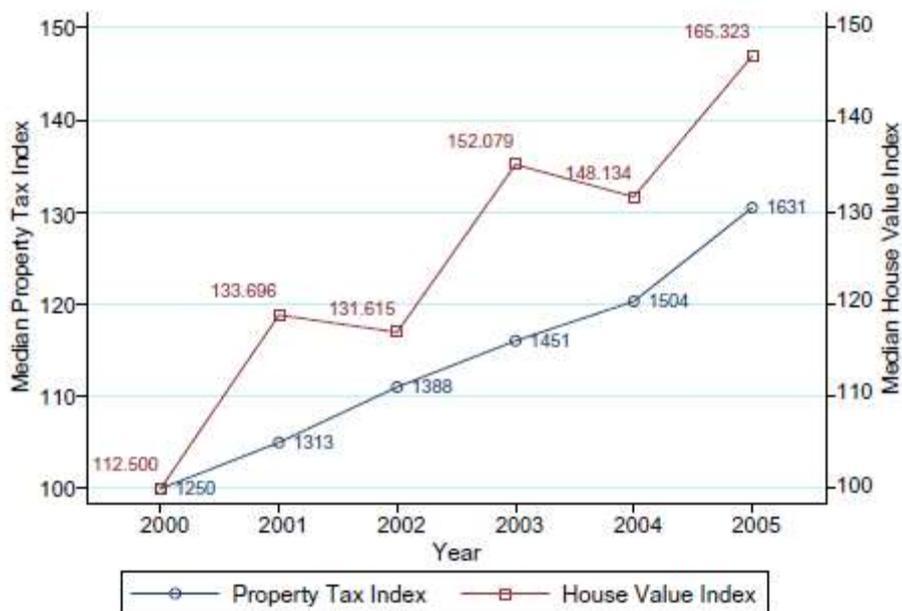


Figure (1) median property taxes and house value in the united states, 2000-2005

Results Discussion

All the obtained results should be carefully investigated and compared with the other works. Two page summary papers must include results and discussion sections.

Conclusions

Main conclusions of the paper must be put here.



List of Symbols

The list of symbols comes after the acknowledgment and before references. The English symbols come first followed by the Greek symbols. Both must be typed in alphabetical order and separated.

References

References must be numbered and be listed in the list of references in the order that they are referred to in the text.

Their number must be put in squared bracket, i.e. [1].

The complete details of the references will appear in the list of references.

For journal papers, books and conferences papers use the following formats:

- [1] Assembly Jobs, Economic Development, and the Economy Committee, 2006. 20, Years of California Enterprise Zones: A Review and Prospectus, Sacramento, California, April 12, 2006.
- [2] Timoshenko, S.P. and Woinowsky-Krieger, S., 1959, *Theory of Plates and Shells*, New York: McGraw-Hill Book Company.
- [3] Billings, Stephen, 2009. Do enterprise zones work? An analysis at the borders. *Public Finance Review* 37 (1), 68–93.