Article Analysis 1

Student

Institution

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| **Article Citation and Permalink** (APA format) | **Article 1**  Amiri, M., Khademian, Z., & Nikandish, R. (2018). The effect of nurse empowerment educational program on patient safety culture: a randomized controlled trial. *BMC medical education*, *18*(1), 158. https://bmcmededuc.biomedcentral.com/articles/10.1186/s12909-018-1255-6 | **Article 2**  Hersch, R. K., Cook, R. F., Deitz, D. K., Kaplan, S., Hughes, D., Friesen, M. A., & Vezina, M. (2016). Reducing nurses' stress: A randomized controlled trial of a web-based stress management program for nurses. *Applied nursing research*, *32*, 18-25. <https://doi.org/10.1016/j.apnr.2016.04.003> | **Article 3**  Youssef, N. F., & Hassan, A. D. A. (2017). The Effect of hand and foot massage on alleviating pain and anxiety of abdominal post-operative patients at a University Hospital: A randomized control trial. DOI: 10.9790/1959-0603035665 |
| **Point** | **Description** | **Description** | **Description** |
| **Broad Topic Area/Title** | Association of nurse engagement and nurse staffing on patient safety | Reducing nurses' stress: A randomized controlled trial of a web-based stress management program for nurses | The Effect of hand and foot massage on alleviating pain and anxiety of abdominal post-operative patients at a University Hospital: A randomized control trial |
| **Identify Independent and Dependent Variables and Type of Data for the Variables** | Independent variable is educational program and its data type is Ordinal Scale while the dependent variable is nurses and supervisors and its data type is categorical. | The independent variable for this study is the web-based BREATHE. The dependent variables were nurses with stress condition. The categorical variable is the data for the dependent valuable in the study while ordinal scale is the data for the web-based BREATHE. | The independent variable in this study is the hand and foot massage. However, the dependent variables are the patients who have had abdominal surgery and suffer pain and anxiety. The type of data for the independent variable is ordinal scale. The researchers wanted to know the rate at which the hand and foot massage alleviate anxiety and pain. The data for the dependent variables is nominal in that the variables are groups with no order or rank between them. |
| **Population of Interest for the Study** | Nurses and supervisors in the adult ICU. | The population of this study were the nurses in one hospital in New York and other five facilities in Virginia. | The study utilized patients who recently undergone abdominal pain and were suffering from anxiety and pain. The patients were recruited from 2016 August to March 2017. They were allocated control groups (n=30) and the intervention group (n-30) using quasi-random approach. |
| **Sample** | 20 supervisors and 160 nurses. | The sample for this study were 104 nurses from one hospital in New York and other five facilities in Virginia. For the participants to qualify for the study, they must have been employed in one of the Virginia hospitals and one hospital found in New York. Also, their age ranged from 22 to 65. | The research included the sample of 60 patients. The patients included were 18 years and above who could clearly answer interview questions, give informed consent, and are stabilized hemodynamically. |
| **Sampling Method** | The sampling method was stratified sampling. | The authors used randomized controlled trial to select the participants for the study. The researchers used communication strategies for the respective hospitals to communicate to the subjects. | There are many methods researchers can use to sample participants. On that note, the researchers used a randomized sampling approach to select the subjects to participate in this study. However, a specific criterion was used to select the participants who could be included in the research. |
| **Descriptive Statistics (Mean, Median, Mode; Standard Deviation)**  Identify examples of descriptive statistics in the article. | The mean scores of teamwork within units (3.95 ± 0.43 vs. 2.91 ± 0.74, *P* < 0.001, *d* = 1.03) is an example of descriptive statistics. | This study is a qualitative research and thus, descriptive statistics approach was used in analyzing data. For instance, the mean age of the nurses who participated in the study was 41. | Most randomized control trials use descriptive statistics to analyze the data. Some of the examples of descriptive statistics in the paper include the following. 0.37±10.34 was the mean age of the 60 participants included in the study. |
| **Inferential Statistics**  Identify examples of inferential statistics in the article. | Example: 72.46% of positive responses on organizational learning and continuous improvement. | Also, the inferential statistics for the was identified in the study. The following is an excellent example of the inferential statistics. Nurses Job Satisfaction Scale with (Alpha = .84) was used to measure nurses’ satisfaction. | Quantitative study can also be identified through inferential statistics. The inferential statistics of this study include (Chi-square = 8.92, p = 0.01) for surgery in the two groups. |

References

Amiri, M., Khademian, Z., & Nikandish, R. (2018). The effect of nurse empowerment educational program on patient safety culture: a randomized controlled trial. *BMC medical education*, *18*(1), 158. https://bmcmededuc.biomedcentral.com/articles/10.1186/s12909-018-1255-6

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