

# The Correlation Between Caring Behavior and Length of Stay of Patients in Surgical Inpatient Department of Ajibarang Hospital

1<sup>st</sup> Mufri Datun Alfiah  
*Undergraduate Science of Nursing  
Student*  
Faculty of Health Science,  
Harapan Bangsa University  
Purwokerto, Indonesia  
mufridatunalfiyah04@gmail.com

2<sup>nd</sup> Indri Heri Susanti  
*Nursing Lecturer*  
Faculty of Health Science,  
Harapan Bangsa  
University  
Purwokerto, Indonesia  
indriherisusanti@uhb.ac.id

3<sup>rd</sup> Rahmaya Nova H  
*Nursing Lecturer*  
Faculty of Health Science,  
Harapan Bangsa  
University  
Purwokerto, Indonesia  
mayanova2005@gmail.com

4<sup>th</sup> Yuris Tri Naili  
*Nursing Lecturer*  
Faculty of Health Science,  
Harapan Bangsa  
University  
Purwokerto, Indonesia  
yuris@uhb.ac.id

*Length of Stay (LOS) is one of the indicators of quality service in a hospital. Length of Stay is the duration of treatment days in hospital in one period of nursing. One of the factors Influencing LOS is the care giver, in this case is caring behavior from nurses.*

*The purpose of this research was to know the correlation between caring behaviors and LOS of Patients in Surgical Inpatient Department of Ajibarang Hospital.*

*This research used cross sectional. The samples were taken by using accidental sampling as much as 56 Patients allowed to discharge. The instruments used were questionnaire of caring behavior Adopted from the original questionnaire of Caring Behavior Inventory I (Wolf, 1998) and the observation sheet of LOS. The statistics test of univariate and bivariate used was Spearman rank.*

*The result Showed that 46 respondents (82.1%) Considered that nurses' caring behavior in Ajibarang hospital was good. Exactly 37 respondents (66.1%) had short length of stay (<5days). So, it can be concluded that there was a significant correlation between caring behavior and LOS in surgical inpatient department in Ajibarang Hospital with p-value 0.000 <math>\alpha</math> 0.05.*

**Keywords:** *caring behavior, length of stay (LOS)*

## INTRODUCTION

*Length of stay is one indicator of the quality of medical services provided by the hospital to the patient (quality of patient care). Length Of Stay is to show how many days a patient is hospitalized in a treatment period. The units for hospitalization was the day, while for calculating the length of stay is by calculating the difference between the date of return (out of the hospital both living and dead) and the date of hospitals [1].*

*Factors that affect LOS length of stay of patients in hospitals, among others: the medical condition of the patient,*

*the economy, types of cases of the disease, type of action, and therapeutic action planning, personnel involved in the care and hospital administration policy [1]. Importance LOS little affect on the medical side, namely The little longer hospitalizations then in this case show the quality of the performance of the medical has been quite good, in terms of economical The shorter length of stay in hospital, meant to reduce the cost (if the patient pay for itself) [2].*

*Caring as a moral imperative (form moral) so that nurses should be composed of people who are morally good and have concern for the health of patients, which maintain the dignity and respect for the patient as a human being, it means to be a nurse means must dare to be something special [3]. Factors influencing factors include caring individual that is based on ability, background and demographic, psychological factors which reflect a person feels about something and understanding attitude, organizational factors is an open system to interact with its environment.*

*The better the behavior of caring nurses in providing nursing care services, patient or family is getting excited in receiving the service, means the therapeutic relationship nurse and the client is getting built up. Patients were satisfied with nurse-friendly, easy smile, polite and pay attention. Expressions such patients in accordance with the theory that caring is a nursing practice where nurses help clients recover from his illness [4].*

*Based on observations of pre-survey conducted in hospitals Ajibarang in December 2018, LOS retrieve data in 2017 in the surgical ward inpatient ranges average between 35 days, and then for his caring behavior conducted interviews to 10 patients in the room inpatient surgical ward, who asked a question about whether the nurses were always using the principles of 5S (smiles, greetings, greetings, polite, mannered), nurses constantly monitor the patient's condition or not, and whether the behavior of the nurses will affect the duration of treatment, taken at random, from 10 patients, 6 of them say less treated well, nurses are not fully sincere to provide optimum service, nurses are still rarely smiles to patients, and caregivers are still rarely monitor the condition*

and the patient's progress, so that the disease can affect the patient's recovery, which would result in increased length of hospitalization, and 4 patients said nurses had behaved and caring towards patients.

The purpose of this research was to know the correlation between caring behaviors and LOS of Patients in Surgical Inpatient Department of Ajibarang Hospital.

**METHODOLOGY**

The method used in this study was a correlation study method with cross sectional approach. The research was conducted on 15-30 July 2019.

The population in this study were hospital surgical ward patients Ajibarang by using accidental sampling. Accidental sampling was done by taking the case or the respondent accidental or provided somewhere within the context of research, with the number of respondents 56 people.

The research instrument was a questionnaire Caring Behavior Inventory (CBI) and LOS observation sheet, data were analyzed using univariate analysis of the frequency distribution and bivariate analysis were used in this study using the Spearman rank test.

**FINDINGS AND DISCUSSION**

**Table 1**

Respondent characteristics include age, sex, in-room hospital inpatient surgical ward Ajibarang Month of August 2019

Classification	F	Percentage (%)
<b>Age</b>		
Early teens (12-17)	3	5.4
Early adulthood (18-40)	18	32.1
Middle age (41-60)	25	44.6
Older adults (> 60)	10	17.9
<b>Gender</b>		
Male	25	44.6
Woman	31	55.4
<b>length of</b>		
3 days	19	33.9
4 days	15	26.8
5 days	3	5.4
6 days	14	26.8
7 days	5	7.1
<b>Total</b>	<b>56</b>	<b>100.0</b>

According to the table 1, the caring behavior in the hospital inpatient surgical ward Ajibarang based on the age of respondents mostly middle age of 25 respondents

(44.6%). Gender predominantly women of 31 respondents (55.4%). Length of stay the majority for 3 days were 19 respondents (33.9%). Type of disease was a degenerative disease largely of 38 respondents (67.9%).

**Table 2**

The behavior of nurses caring for patients in the inpatient surgical wards in hospitals Ajibarang August 2019

Caring Behaviors	Frequency	Percentage (%)
Caring	47	83.9
Caring enough	9	16.1
not Caring	0	0
<b>Total</b>	<b>56</b>	<b>100.0</b>

(N = 56)

Based on the results in Table 2, it indicates that almost all respondents consider caring behavior nurses in hospital inpatient surgical ward Ajibarang own good of 47 respondents (83.9%).

**Table 3**

Length Of Stay (LOS) in-patient surgical wards in hospitals Ajibarang August 2019

Length Of Stay (LOS)	Frequency	Percentage (%)
Long	19	33.9
Not long	37	66.1
<b>Total</b>	<b>56</b>	<b>100.0</b>

n=56

Based on the results in Table 3, it indicates that most respondents have a length of stay which are short (<5 days) of 37 respondents (66.1%).

**Table 4**

**Relations with the Length of stay nurse caring behaviors in hospitalized patients surgical wards in hospitals Ajibarang August 2019**

Caring Behaviors	LOS				Total	CC	p-value
	Long		Not long				
	F	%	F	%			
Caring well	11	19.6	35	62.5	47	83.9	-0.508 0,000
Caring enough	8	14.3	2	3.6	9	16.1	
not Caring	0	0.0	0	0.0	0	0.0	
<b>Total</b>	<b>19</b>	<b>33.9</b>	<b>37</b>	<b>66.1</b>	<b>56</b>	<b>100.0</b>	

n=56

Based on the results in Table 4, it shows that the test spearman obtained rank p-value of 0.000 (<0.05) so that Ha Ho accepted and rejected, which means that there is a relationship between a caring behavior and length of stay (LOS) in the inpatient surgical ward of Ajibarang hospital. The strength of the correlation was a negative correlation direction, the higher the caring behavior then the length of stay is getting shorter. relations between the two variables was in the opposite direction which means that a high caring behavior will accelerate the treatment period.

**A. Characteristics of Respondents**

According to the table 1 the type of diseases most of respondent are the type of degenerative disease 38 respondents (67.9%) who have age middle age is 41-60 years as many as 25 respondents (44.6%) who suffer from diseases such as prostate, hernia, DM, abscess , cataracts, and diseases of the glands, from exposure to the above shows that this age of patients requiring treatment that is full or needs complete in all aspects. Age is an indicator of a change that will happen to someone. Age describes the experience in a person so that there is a diversity of action based on the age of

owned [5]. This research was in line with research from Tamamilang (2018) [6] about the relationship between age with hypertension who get results p-value = 0.003  $\alpha = 0, 05$ , which means there is a significant relationship between age and hiprtensi, hypertension here is a degenerative disease. Gender predominantly women of 31 respondents (55.4%), with diseases such as glands in certain body parts, diabetes, hemorrhoids and fractures, this is in line with research Rantung, 2015 [7] concerning "the relationship of self-care and quality of life of patients diabetes mellitus (DM) "getting results the majority (71.2%) of female respondents were diabetic

patients, the rest were men, whereas the type of disease suffered by men mostly like a hernia, and snake bite. This concurs with research Napitupulu, 2013 [8] that stated there were 39 people (84%) of men and 7 women (15.2%) who had hernia inguinalis. Based on the results of long inpatient surgical ward, 19 respondents (33.9%) experienced a period of treatment during 3 days. According to John Locke theory states that all knowledge, responses and feelings of the human soul because of the experience gained through the senses [9]. Patients were given nursing services since it was first admitted to the hospital so that they could assess the attitudes of nurses.

### **B. Caring Behaviors**

Based on the results of Table 2 shows that the assessment of caring behavior in the hospital inpatient surgical ward Ajibarang in both categories as many as 47 respondents (83.9%), with higher nurse caring behavior which means hospital services Hospital Ajibarang already as good as always monitor the condition of the patient, talked with patients, and patients appreciate without discrimination. The results are consistent with studies of the Umayah (2017) [10] which examines the behavior of caring at PKU Muhammadiyah Hospital Limestone with behavioral outcomes carrying high category were 44 respondents (77.2%). [11] states that nurses should be able to create a togetherness, beauty, comfort, confidence, peace and love, be opened up to promote the approval of therapies to patients.

### **C. Length Of Stay (LOS)**

The results showed that 19 respondents (33.9%) of the 56 respondents experienced a period of prolonged care that was > 5 days of treatment, while 37 respondents (66.1%) had not long treatment period of <5 days. Researchers found that there were some patients who still underwent the treatment period > 5 days, depending on the severity of the disease, when the illness was severe illness, it will tend to have the care process and a longer recovery, although these patients had no complications, the type of action also affects length of treatment, and delay in administration. This was supported by previous studies conducted by the officer, (2011) length of a patient associated with the patient's diagnosis, seen with primary diagnosis, comorbid diagnoses and complications.

### **D. Caring Behaviors relationship with Length Of Stay (LOS)**

The test results of data analysis in the research that has been done on the relationship of caring behavior with the length of stay (LOS) in the hospital inpatient surgical ward Ajibarang showed a p-value of  $0.000 < \alpha 0.05$ , which means there is a significant relationship between caring behavior by length of stay (LOS) in the hospital inpatient Ajibarang. Koelasi strength of the relationship was to the value of -0.508 and a negative correlation direction, relations between the two variables have the opposite direction of relationship caring behavior where the better the treatment duration or length of stay will be even lower, so caring less will lead to increased hospitalization period.

Based on the results of a study of inpatient surgical wards in hospitals Ajibarang researchers assume that the period of treatment time could be due to a lack of caring behavior of nurses such as the lack of attention so that the patient will feel saturated which will extend the duration of the treatment, it is in line with research from Anjaryani (2009) [12] who said patients with treatment time will tend to be saturated with the treatment situation is done and the patient will tend to get bored with the treatments performed by nurses and doctors, in addition to the stress of nurses will also affect the behavior of caring nurse due to the workload of the excess that would affect length of treatment, this is evidenced by research Desima (2013) [13] about the stress levels of nurses with nurses caring behavior. Perwira, (2011) [14] explained that the length of stay was one of the indicators of quality assessment, quality assessment of good nursing care is a short length of stay so that patients with a short time can be declared cured and can be discharged. This was in line with research Fadilah (2016) [15] on "caring relationship with a nurse in a nursing care length of stay in hospitals Salatiga" test based on rank spearman found a significant correlation with the value of  $p = 0.009 < \alpha 0.05$ .

### **CONCLUSION**

Based on the results of research and discussion can be concluded as follows:

1. Most nurses' caring behavior (82.1%) in hospitals Ajibarang were good.
2. Most of respondents (66.1%) had a length of stay that which were not long (<5 days).
3. There was a significant correlation between caring behavior with the length of stay (LOS) for patients in the

inpatient surgical ward of Ajibarang hospital, as indicated by the test results obtained with Spearman rank with pvalue of 0.000 ( $\alpha < 0.05$ ).

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