A Study on Assessment of Perception of Nursing Students towards Utilization of Community Health Nursing Bag in selected Nursing colleges, Nellore

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Abstract

The present study has defined the Community Health Nursing Bag as a vehicle for maintaining the materials and tools required during home visits to observe family members, school and health care. The study examined 100 nursing students from *Narayan College of Nursing and Sree Narayana Nursing College, Nellore*. The study has found many demographic variables with regard to these 100 nursing students, and it has been done with the conduction of SPSS. Among 100 nursing students, there are approximately 23% of students belong to Hindus, 65% of students belong to Christianity, and 11% of students belong to Muslim and 1% from other religions. The tool significantly provides demographic variables that properly operate with the variables of socio-demographic and structured questionnaires, and it used Non-Probability Sampling Technique. It has been aimed that the application of proper tools helps nursing students to determine the proper implementation for health outcomes with the use of these types of nursing bags.

Keywords: Planned Behavior Theory, Socio-Demographic Variables, Community Health Nursing Bags

1. Introduction

The utilization of the essential technology of community health nursing bags is to prevent contamination and remove cross-infection. The nursing bag plays a significant tool that consists of an apron, nail brush, Hb scale, filter paper, specimen bottles and hypodermic needles. Basically, the bag assists individuals with various problems of health.

2. Literature Review

The main purpose towards the application of community health nursing bag

The utilization of community health nursing bags is able to prevent the stretch of infection from people to families. This is an essential practice in nursing that can interpret many clinical situations and demonstrate the nursing approaches. Therefore, it has been understood that approximately 77.6% of nurses believed that their profession and responsibility have developed with the application of this nursing bag (Ncbi.nil.nih.gov, 2023). Furthermore, the

nursing bag helps in providing the receptacle for instruments and supplies for the indispensable equipment.

Application of Planned Behavior Theory

The application of this theory has defined the correct manner, subjective standards and sensed ***"Behavioral Control Predict Intention"***. Besides, the utilization of the ***"Planned Behavior Theory"*** enables nurses to understand the proper interventions with the use of the nursing bag regarding community health (Lee and Kang, 2020). Hence, it has been identified that the usage of this theory helps nurses to identify the correct scenarios, positions and settings of individuals. Besides, the exertion of this useful theory enables nurses to provide protection for the purpose of various nursing instruments. Similarly, the theory also assists in recognizing the psychosocial determinants in addition to physical activity.

3. Methodology

Research Design

A "**Descriptive research design**" has been taken for the conduction of this present study. This research design gives a comprehensive vision and manners that help the study obtain a deep understanding (Siedlecki, 2020).

Tools used.

The tool that has been applied in this study was generated with the support of different textbooks, articles, websites and recommendations from experts. The tool mainly contains demographic variables that thoroughly operate with the variables of socio-demographic and structured questionnaires. Besides, the tool provides age, religion and studying year, family category and income. The applications of the "Non-Probability Sampling Technique" help the study to determine a subjective method with regard to the population (Lehdonvirta *et al*. 2021). Similarly, structured questionnaires enable assessing the penetration of nursing students in the application of the ***"community health nursing bag"***. Besides, a pilot study was performed among the nursing institutions in the Nellore district for the initial week. There are 5 nursing students have been chosen from ***"Narayan College of Nursing"*** and another 5 have been chosen from ***"Sree Narayana nursing college"*** with the help of ***"Non-probability sampling technique"***.

Data collection procedure

A vast data have been collected from the ***"Institutional Ethic Committee"*** and the approval has been accumulated from the rules of ***"Narayan College of Nursing and Sree Narayana Nursing College, Nellore"***. The study utilized the sampling technique of ***"Non-probability convenient"*** and the size of the sample with regard to the study was 100. Furthermore, the data that has been found is tabulated, examined and interpreted with the application of a ***"descriptive and inferential statistical process"***.

4. Data analysis

Data of nurses and nursing students have described in these mentioned tables

Table 1: Frequency and distribution of the percentage of nursing students on the basis of age (Source: SPSS)

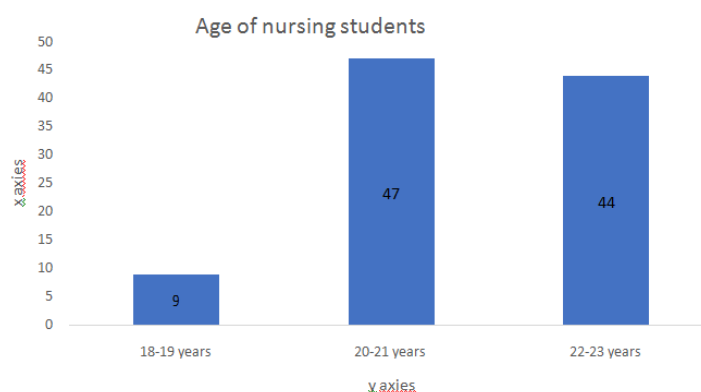| Age in years	Frequency (f)	Percentage (%)
a)18-19 years	9	9
b) 20-21 years	47	47
c) 21-22 years	44	44
Total	100	100

Figure 1: Distribution of percentage of nursing students regarding age

Based on the above table, it has been demonstrated that the distribution of 100 nurses defined the ages between the range of 18-19 yr, 20-21 yr and 21-22 yrs. There are approximately 9 %, 47% and 42 % of nurses have respectively belonged to this age group.

Table 2: Frequency and distribution of the percentage of nursing students on the basis of the year of studying (Source: SPSS)

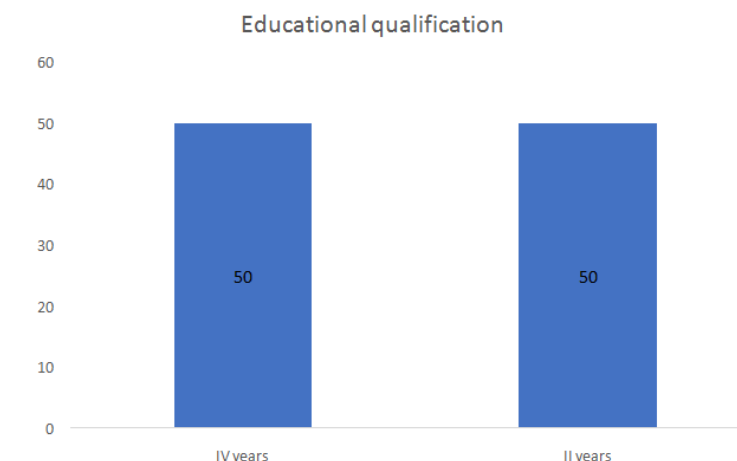| Year of studying	Frequency(f)	Percentage(%)
a)IV years	50	50
b)II years	50	50
Total	100	100

Educational qualification

Figure 2: Distribution of percentage of nursing students regarding the year of studying

The above table has stated that approximately 50% of students have studied for four years and another 50% of students have studied for two years of total 100 students.

Table 3: Frequency and distribution of the percentage of nursing students on the basis of religion (Source: SPSS)

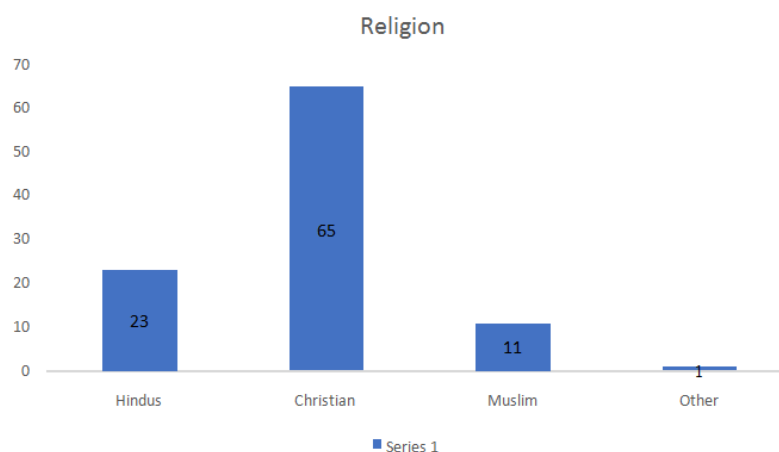| Religion	Frequency(f)	Percentage(%)
a) Hindus	23	23
b) Christian	65	65
C) Muslim	11	11
c) others	1	1
Total	100	100

Religion

Figure 3: Distribution of percentage of nursing students regarding the religion

Based on the above table, it has been shown that there are a total of 100 students have taken from different religions. There are approximately 23% of students belong to Hindus, 65% of students belong to Christianity, 11% of students belong to Muslim and 1% from other religions.

Table 4: Frequency and distribution of the percentage of nursing students on the basis of family type (Source: SPSS)

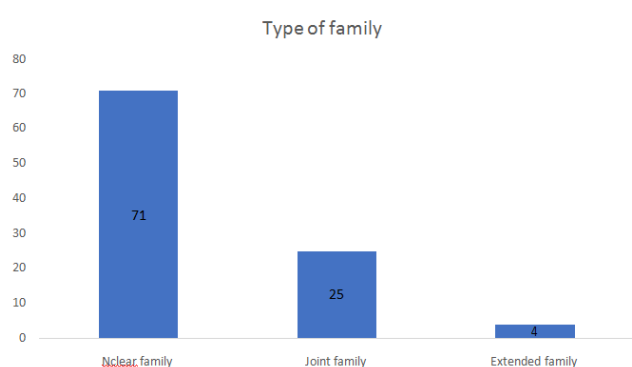| Type of family	Frequency(f)	Percentage(%)
a) nuclear	71	71
b) joint	25	25
c) extended	4	4
Total	100	100

Figure 4: Distribution of percentage of nursing students regarding the family type

The above table has shown that there are 100 nursing students belonging to various types of families and they generally use nursing bags. There are approximately 71% of students belong to Nuclear families, 25% to Joint families and 4% from Elongated families.

Table 5: Frequency and distribution of the percentage of nursing students on the basis of *"family income per month"* (Source: SPSS)

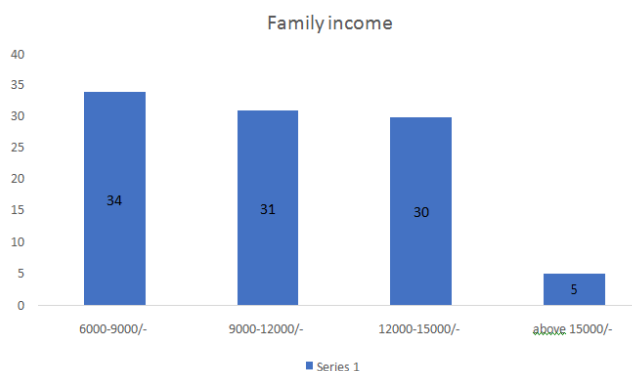| Family income	Frequency(f)	Percentage(%)
a) 10000-15000/-	34	34
b) 15000-20000/-	31	31
c) 21000-25000/-	30	30
d) Above 25000/-	5	5
Total	100	100

Figure 5: Distribution of percentage of nursing students regarding the *"family income per month"*

The above table has displayed there are 100 nursing students in utilization of this nursing bag consisting of various family incomes. The family income is 10K-15K for approximately 34% of nurses, 15K-20K for 31%, 21K- 25K for 30% and above 25K for 5% of families.

Table 6: Frequency and distribution of percentage regarding structured questionnaires in the application of *"community health nursing bags"* **among students** (Source: SPSS)

Perception of utilization of community health bag	Nursing students	
	Frequency(F)	Percentage(%)
Excellent	13	13
Good	31	31
Average	22	22
Fair	26	26
Poor	8	8
Total	**100**	**100**

The above table has demonstrated that approximately 13% recognized as Excellent, 31% as Good, 22% as Average, 26% as Fair and the rest 8% as Poor out of 100 nursing students.

Table 7: Mean and standard deviation in the application of "*community health nursing bags"* **among students** (Source: SPSS)

Criteria	Part II	
	Mean	STANDARED DEVIATION
Perception of utilization of community health nursing bag	18.62	5.585

The above table have shown that the mean score was 18.62 and S.D was 5.585 (***"Significant at p=<0.05, df (n-1) 100-1=99"***).

5. Findings and Discussion

Findings

"Demographic variables"

- Based on age, 9% of 18-19 yrs, 47% of 20-21yrs and 44% from 21-22 yrs among 100 nursing students

- Based on family type, among 100 nursing students, 71% are from nuclear families, 25% are from joint families and 4% are from elongated families

"Objectives"

- **To address the standard of perception among nursing students in the application of community nursing bag**

Among 100 nursing students, 13% were excellent, 31% Good, 22% Average, 26% Fair and 8% Poor. Furthermore, the mean score among nursing students by around 18.62 and SD was 5.585.

- **To determine the connection between the penetration of nursing students in the application of community health nursing bags with regard to their variables of socio-demographic**

The present study has applied a descriptive research design with a mean value of 4.99 and 163/253 participants or 64.43%. They have ranked *"very good"* on a sequence of *"denatured alcohol"* in the back side of the bag of *"96 or 37.94% of 253 participants"*.

Discussion

It has been discussed that this present study has used different tables and graphs that thoroughly demonstrates frequencies and distribution of percentage in demographic factors among 100 nursing students. Besides, the study has properly discussed the mean and standard deviation of these students and their perception in the application of community health bags. Moreover, the application of community health nursing bags generally provides immediate access in addition to the supplies of infection control (Hwang *et al*. 2020). Thus, it has been identified that nursing bag helps in eradicating the unnecessary instruments and estimate a clean workplace. The study has thoroughly discussed the frequency and distribution of nursing students on the basis of age, family type and family income, year of studying, structured questionnaire and religion. The study has portrayed the mean and standard deviation in the perception of the utilization of community health bags as 18.62 and 5.585 respectively. It has been stated that the family income of 34% of nurses are 10K-15K and above 25K for 5% for nurses.

6. Conclusion

Based on the major findings, it can be concluded that there was a requirement for generating awareness on the application of community health nursing bags. The study has stated

different tables that include the frequency and distribution of a percentage of 100 nursing students in the matter of different perspectives.

References

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