

Survey to Assess the Attitude of Nursing Students Regarding Prevention of COVID-19 during COVID19 Pandemic

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ABSTRACT

The present study has been conducted to know the attitude of nursing students regarding preventive techniques to prevent from COVID-19 during COVID-19 pandemic. In order to achieve the objectives non experimental approach with survey research design was adopted. Setting of the study selected was Dr. Achal Singh Yadav institute of nursing and paramedical sciences, Lucknow. The selection of sample was done by using convenient non probability sampling technique. The sample size was 30. The method of data collection was using demographic variables questions and structured attitude rating scale related to attitude regarding prevention of COVID-19. Result shown that nursing students had neutral attitude regarding prevention of COVID-19 and there is no significant association between demographic variables with attitude of nursing students, hence hypothesis 1 rejected.

KEYWORDS: prevention of COVID 19, ATTITUDE

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INTRODUCTION

The India become 4th country most affected with COVID-19. As per AROGYASETU APP launched by Indian government, there are 169451 active cases of COVID-19, 227755 cured/discharged, 13254 deaths due to COVID-19 in India. And as per order from Uttar Pradesh nursing council the final year students of BSC nursing and GNM should attend the offline classes in college campus. The researcher plan to conduct a survey on attitude of nursing students regarding the preventive measures taken by them to prevent self from getting COVID-19 infection.

Objectives:-

1. To find out the attitude of nursing students attending nursing college regarding prevention of COVID-19 during COVID-19 pandemic.
2. To find out the association between attitude score of nursing students regarding prevention of COVID-19 with selected demographic variables.

Hypotheses:-

H0:- There will be no significant association between the selected demographic variables with the pretest attitude regarding prevention of COVID-19 among nursing students.

H1:- There will be significant association between demographic variables with the pretest attitude regarding prevention of COVID-19 among nursing students.

Material and method

Research approach and design

Research approach: -Quantitative approach

Research design: -Pre experimental one group pretest post test design

Setting of the study: - The study was conducted in Dr. Achal Singh Yadav Institute of Nursing And Paramedical sciences, Lucknow.

Study duration:- 2 days.

Study Population: -Consists of nursing students studying at IIIrd year GNM and IVth year Bsc nursing of Dr. Achal Singh Yadav Institute Of Nursing And Paramedical sciences Lucknow.

Sample size: - 30.

Inclusion criteria:-

1. The nursing students studying at IIIrd year GNM and IVth year BSc nursing.
2. The Nursing students attending the offline classes during COVID-19 pandemic.
3. Students who are interested to participate

Exclusion criteria:-

1. Nursing students who are attending online classes only during COVID-19 pandemic.

Data collection procedure

The formal permission was obtained from the Principal of Dr. Achal Singh Yadav Institute Of Nursing And Paramedical sciences Lucknow. A total of 30 nursing students selected for the study as per the inclusion criteria of the study. Self-introduction was given to the students. The purpose of the study was explained to them and demographic variables assessing questionnaire and structured attitude rating scale for assessing the attitude of nursing students regarding prevention of COVID-19.

Data analysis and interpretations

A total of 30 nursing students of Dr. Achal Singh Yadav Institute Of Nursing And Paramedical Sciences Lucknow participated in the study. The demographic variables of the study subjects were analyzed using descriptive and were presented in terms of frequency and percentage as shown in table 1.

Statistical analysis

Analysis of data was done in accordance with the objectives. The data was analyzed using frequencies and percentage for demographic variables Mean, range, standard deviation was used to describe the level of attitude among participant. Chi-square was used to describe the association between the pretest score of attitude with the selected demographic variables.

Table 1:- Distribution of subjects based on demographic variables.

Sl. no	Demographic variables	Frequency	Percentage
1.	Age in years		
	a. 19 years	1	3.33
	b. 20 years	5	16.67
	c. 21 years	12	40
	d. 22 years	8	26.67
2.	e. 23 years and above	4	13.33
	Gender		
	a. Male	2	6.67
3.	b. Female	28	93.33
	c. Transgender	0	0
4.	Educational status		
	a. B.Sc Nursing	14	46.67
5.	b. G.N.M	16	53.33
	Previous knowledge regarding COVID-19		
6.	a. Yes	30	100
	b. No	0	0
7.	Source of information		
	a. Mass media	17	56.67
	b. Webinars	6	20
	c. Academic classes	4	13.33
8.	d. Others	3	10
	Staying at		
	a. Rent room	7	23.33
9.	b. Hostel	19	63.33
	c. Home	4	13.33

2. Distribution of overall attitude score of nursing students**Table 2:- Distribution of overall attitude score.**

Sl. no	Practice score	Frequency	Percentage
1.	Positive attitude	6	20
2.	Neutral attitude	22	73.33
3.	Negative attitude	2	6.67

Table 2 shows that all nursing students had neutral attitude regarding prevention of COVID-19 during COVID-19 pandemic.

3. Distribution of samples based on Mean, range and standard deviation.

Mean is 92.7, range 73 and standard deviation 16.90.

4. To find out the association between attitude scores and selected demographic variables of the samples.

Chi square test used to find out the association between selected demographic variables and attitude score of nursing students.

Table 3:- Chi square showing association between selected demographic variables and pretest attitude score of nursing students

SL.NO	DEMOGRAPHIC VARIABLES	MEAN		OBTAINED VALUE	TABLE VALUE	DF	INFERENCE
		≤	>				
1.	Age in years			7.13	9.49	4	NS
	a. 19 years	0	1				
	b. 20 years	4	1				
	c. 21 years	6	6				
	d. 22 years	1	7				
e. 23 years and above	2	2					
2.	Gender			1.65	5.99	2	NS
	a. Male	0	2				
	b. Female	13	15				
	c. .84	0	0				
3.	Educational status			0.61	3.84	1	NS
	a. B.sc nursing	5	9				
	b. G.N.M	8	8				
4.	Previous knowledge regarding COVID-19			0	3.84	1	NS
	a. Yes	13	17				
	b. No	00	00				
5.	Source of information			3.58	7.82	3	NS
	a. Mass media	9	8				
	b. Webinars	1	5				
	c. Academic classes	1	3				
	d. Others	2	1				
6.	Staying at			3.39	3.84	1	NS
	a. Rent home	5	2				
	b. Hostel	6	13				
	c. Home	2	2				

AT 0.05 LEVEL OF SIGNIFICANCE

There is a no significant association between attitude and selected demographic variables baseline such as, age in years, gender, educational status, previous knowledge regarding COVID-19 prevention, source of information and staying at.

Since no demographic variables had association between attitude of nursing students regarding prevention of COVID-19, null hypothesis accepted and research hypotheses rejected, hypotheses 1 rejected.

Conclusion

Nursing students had neutral attitude regarding the prevention of COVID-19 during COVID-19 pandemic revealed that there is a need for further teaching regarding preventive techniques used to prevent COVID-19 infection among nursing students during COVID-19 pandemic situations.

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