

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

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ABSTRACT

The present study has been conducted to know the practice 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 design was adopted. Setting of the study 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 observational practice check list related to practice regarding prevention of COVID-19. Result shown that nursing students had average practice regarding prevention of COVID-19 and there is no significant association between demographic variables with practice of nursing students, hence hypothesis 1 rejected.

Keywords: Nursing students, preventive techniques, COVID-19, COVID-19 pandemic

INTRODUCTION

Worldwide coronavirus cases cross 9008020, deaths due to corona cross 4788802, active cases 3750455 and India become 4th country most affected with COVID-19. As per *Arogya setu* app launched by Indian government on 22.06.2020 there are 169451 active cases of COVID-19, 227755 cured/ discharged, 13254 deaths due to COVID-19 in India. And as per Uttar Pradesh nursing council the final year students of BSC nursing and GNM nursing should attend the offline

classes in college campus during the COVID-19 pandemic condition the researcher plan to conduct a survey on practice of nursing students regarding the preventive measures taken by them to prevent self from getting COVID-19 infection during this pandemic conditions.

Objectives:-

- 1] To find out the practice of nursing students attending nursing college regarding prevention of COVID-19 during COVID-19 pandemic.
- 2] To find out the association between practices 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 practice regarding prevention of COVID-19 among nursing students.

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

MATERIAL AND METHOD

Research approach and design

Research approach: - Non experimental research approach

Research design: - Survey 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: - Consist of nursing student studying at 3rd year GNM and 4th year Bsc nursing of Dr. Achal Singh Yadav Institute Of Nursing And Paramedical sciences Lucknow.

Sample size: - 30.

Inclusion criteria:-

- 1] The nursing student studying at 3rd year GNM and 4th year BSc nursing.
- 2] The Nursing student 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 student 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 observational practice checklist for assessing the practice of nursing students regarding prevention of COVID-19 during COVID-19 pandemic.

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 practice among participant. Chi-square was used to describe the association between the pretest score of practice with the selected demographic variables.

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.

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

Sl.no	Demographic variables	Frequency	Percentage
1.	Course of study GNM IIIrd year	18	60
	BSC IVth year	12	40
2.	Age in years		
	19 years	02	6.66
	20 years	05	16.66
	21 years	11	36.66
	22 years	08	26.66
	23 years and above	04	13.33
3.	Sex		
	Male	02	6.66
	Female	28	93.33
	Transgender	00	00
4.	Previous knowledge regarding COVID-19		
	Yes	29	96.66
	No	01	3.33
5.	Source of information		
	Mass media	15	50
	Academic classes	05	16.66
	Online courses	08	26.66
	Others	02	6.66
6.	Staying at		
	Home	09	30
	Hostel	21	70

- 2] Distribution of overall practice score of nursing students

Table 2:- Distribution of overall practice score.

Sl.no	Practice score	frequency	percentage
1	Poor practice	00	00
2	Average practice	30	100
3	Good practice	00	00

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

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

Mean is 16.8, range 11 and standard deviation 2.37.

- 4] To find out the association between practice scores and selected demographic variables of the samples.

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

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

SL.NO	DEMOGRAPHIC VARIABLES	MEAN		OBTAINED VALUE	TABLE VALUE	DF	INFERENCE
		≤	>				
1.	Course of study			2.73	3.84	1	NS
	GNM IIIrd year	08	10				
	BSC IVth year	09	03				
2.	Age in years			4.85	9.49	4	NS
	19 years	00	02				
	20 years	02	03				
	21 years	06	05				
	22 years	06	02				
	23 years and above	03	01				
3.	Sex			1.6	5.99	2	NS
	Male	02	00				
	Female	15	13				
	Transgender	00	00				
4.	Previous knowledge regarding COVID-19			.76	3.84	1	NS
	Yes	16	13				
	No	01	00				
5.	Source of information			.72	7.82	3	NS
	Mass media	09	06				
	Academic classes	02	03				
	Online courses	05	03				
	Others	01	01				
6.	Staying at			00	3.84	1	NS
	Home	05	04				
	Hostel	12	09				

AT 0.05 LEVEL OF SIGNIFICANCE

There is a no significant association between practice and selected demographic variables baseline such as course of study, age in years, sex, previous knowledge regarding COVID-19 prevention, source of information and staying at.

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

CONCLUSION

Nursing students had average practice 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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