

# A Survey to Assess the Knowledge, Attitude and Perception of BSC Nursing Students Regarding Covid-19 Vaccines at Selected College of Nursing Lucknow, Uttar Pradesh

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## ABSTRACT

The present study has been conducted to know the knowledge, attitude and perception of B.sc nursing students regarding Covid - 19 vaccines. In order to achieve the objectives quantitative approach with survey design was adopted. Setting of the study selected was Baba college of nursing and F.I college of nursing, Lucknow. The selection of the sample was done by using non probability convenient sampling technique. The sample size was 102. The method of data collection was using demographic variables and structured questionnaire on knowledge, attitude and perception regarding covid-19 vaccination. Results shown that the participant had adequate knowledge, positive attitude and good perception regarding covid-19 vaccines.

**KEYWORDS:** Covid 19 vaccines, knowledge, attitude and perception, B.Sc nursing students

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## I. INTRODUCTION

Covid-19 pandemic make everything out of order and in India it took lot of life and the only one way to protect it was vaccination of people against Covid-19 and government with the help of national and international agencies and health care facility start vaccination against Covid-19. But till 22.4% of population was fully vaccinated against Covid-19. In such circumstances researcher try to understand the knowledge , attitude and perception of B.sc nursing students regarding Covid-19 vaccines studying at selected college of nursing of Lucknow, Uttar Pradesh.

### Objectives:-

1. To assess the knowledge, attitude and perception of B.sc nursing students regarding Covid-19 vaccination.

### Operational definition:-

1. **Covid-19 vaccine:-** It cover two commonly distributed vaccine in India Covishield and Co vaccine.
2. **B.sc nursing students:-** In this study B.sc nursing students means the students studying in bachelor degree of nursing during the period of data collection.

### Material and method:-

**Research approach and design:-** Quantitative approach with survey design.

**Setting of the study:-** The study was conducted in Baba college of nursing and F.I college of nursing, Lucknow.

**Study population:-** B.sc nursing students.

**Accessible population:-** B.sc nursing student studying at selected college of nursing.

**Sample size:-** 102

**Sampling technique:-** Non probability, Convenient sampling technique.

**Inclusion criteria:-**

1. The B.sc nursing students.
2. The nursing student who are available during the time of data collection.

**Exclusion criteria:-**

1. Student who are not willing to participate in the study.

**Tool:-**

The research tool for the data collection consists of two sections.

### Section 1:- Demographic variable

It consist of age in years, class of study, family type, monthly family income, staying at, staying with, have

**Analysis and interpretation of data:-**

**Table 1:- Descriptive statistics**

Sl No	Demographic Variables	Frequency	Percentage
1.	<b>Age In Years</b>		
	a. 18 years	0	0
	b. 19 years	9	8.82
	c. 20 years	19	18.62
	d. 21 years	32	31.37
	e. 22 years	22	21.56
2.	<b>Class of study</b>		
	a. B.sc nursing Ist year	43	42.15
	b. B.sc nursing IInd year	43	42.15
	c. B.sc nursing IIIrd year	1	0.98
	d. B,sc nursing IVth year	15	14.7
3.	<b>Family type</b>		
	a. Nuclear family	65	63.72
	b. Joint family	37	36.27
4.	<b>Monthly family income per month</b>		
	a. Less than 10000rs	18	17.64
	b. 10001rs to 30000rs	51	50
	c. 30001rs and above	33	32.35
5.	<b>Staying at</b>		
	a. Home	63	61.76
	b. Paying guest	10	9.8
	c. Hostel	29	28.43
6.	<b>Staying with</b>		
	a. Parents	64	62.74
	b. Friends	27	26.47
	c. Alone	11	10.78
7.	<b>Have you received all the necessary vaccines in your lifetime</b>		
	a. Yes	80	78.43
	b. No	22	21.56

you received all the necessary vaccine in your lifetime.

### Section 2:- Structured questionnaire on knowledge, attitude and perception regarding covid-19 vaccination.

It consist of 05 knowledge questions, 06 attitude rating questions, 06 perception questions regarding Covid-19 vaccines.

The tool was prepared in English for the convenience of the participant.

### Data collection procedure:-

Data collection through online google docs from the month of March to May 2021. Researcher Prepared questionnaire on google docs and send to the whats app of each participant after getting consent to participate in the study. Following post test data analyzed and interpreted as follows.

Descriptive statistics reveal that most of the participant are at the age group of 21 years (31.37%), class of study at Bsc. Nursing II year or Bsc nursing III year (42.15%), belongs to nuclear family (63.72%), monthly family income between 10001 rs -30000 rs (50), staying at home (61.76%) along with parents (62.74), and received all the necessary vaccination in their life time (78.64%).

**Table 2:- Frequency and percentage distribution of participants based on response for knowledge questionnaire related to covid-19 vaccines.**

SI No	Knowledge Questions	Frequency	Percentage
8.	<b>Do you know about the covid 19 vaccine (covishield and covaccine)</b>		
	a. Yes	94	92.15
	b. No	8	7.84
9.	<b>Do you know about the effectiveness of covid 19 vaccine (covishield and covaccine)</b>		
	a. Yes	93	91.17
	b. No	9	8.82
10.	<b>Is it dangerous to vaccinate (covishield and covaccine)</b>		
	a. Yes	16	15.68
	b. No	86	84.31
11.	<b>Does vaccination induce any allergies (covishield and covaccine)</b>		
	a. Yes	39	38.23
	b. No	63	61.76
12.	<b>Does vaccination increase auto immune disease (covishield and covaccine)</b>		
	a. Yes	37	36.27
	b. No	65	63.72

By reviewing the opinion of participant on knowledge question regarding Co vaccine and Covishield vaccine it was revealed that participant had adequate knowledge regarding covid-19 vaccination.

**Table 3:- Frequency and percentage distribution of participants based on attitude regarding covid-19 vaccines.**

#### ATTITUDE

SI No	Attitude Questions	Frequency	Percentage
13.	<b>Covid vaccine is safe (covishield and covaccine)</b>		
	a. Disagree	13	12.74
	b. Undecided	31	30.39
	c. Agree	58	56.86
14.	<b>Covid vaccination is essential for us (covishield and covaccine)</b>		
	a. Disagree	4	3.92
	b. Undecided	21	20.58
	c. Agree	77	75.49
15.	<b>I will take this vaccination without any hesitation (covishield and covaccine)</b>		
	a. Disagree	18	17.64
	b. Undecided	14	13.72
	c. Agree	70	68.62
16.	<b>I will also insist my family /friends/relatives to get vaccinated (covishield and covaccine)</b>		
	a. Disagree	9	8.82
	b. Undecided	13	12.74
	c. Agree	80	78.43
17.	<b>It is not possible to reduce the incidence of covid 19 without vaccination with either covishield or covaccine</b>		
	a. Disagree	21	20.58
	b. Undecided	29	28.43
	c. Agree	52	50.98

18.	<b>The covid 19 vaccine should be distributed fairly to all of us(covishield and covaccine)</b>		
	a. Disagree	11	10.78
	b. Undecided	12	11.76
	c. Agree	79	77.45

By reviewing table 3, it was revealed that majority of participant had positive attitude towards covid-19 vaccination.

**Table 4:- Frequency and percentage distribution of participants based on perception regarding covid-19 vaccines.**

Sl No	Perception Questions	Frequency	Percentage
19.	<b>Do you think the COVID 19 vaccine may have side effects?</b>		
	a. Yes	79	77.45
	b. No	23	22.54
20.	<b>Do you think that if everybody in the society maintains the preventive measures, the covid 19 pandemic can be eradicated without vaccination?</b>		
	a. Yes	44	43.13
	b. No	58	56.86
21.	<b>Who should have been vaccinated?</b>		
	a. Those who have not been infected with COVID 19	11	10.78
	b. People infected with COVID 19	9	8.82
	c. Everyone	72	70.58
22.	<b>Who suppose to be vaccinated first, you think?</b>		
	a. General public	14	13.72
	b. Health worker	80	78.43
	c. Public/ private employees	5	4.90
	d. Laborer/ workers	2	1.96
23.	<b>Do you think the vaccine should be administered free of charge?</b>		
	a. Yes	91	89.21
	b. No	11	10.78
24.	<b>Would you afford the vaccine at your own expense if it was not provided free by the Government?</b>		
	a. Yes	79	77.45
	b. No	23	22.54

Table 4 reveals that majority of participant had good perception regarding covid-19 vaccination except in the case of allergic reaction after covid-19 vaccination because most of them had a bad perception that covid-19 vaccines such as Covishield and Covaccine had side effect.

#### Conclusion:-

The survey design revealed that the participant had adequate knowledge, positive attitude and good perception regarding covid-19 vaccines. This study was limited to Bsc nursing students of selected colleges of Lucknow, who are willing to join the study.

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