

Content available at: <https://www.ipinnovative.com/open-access-journals>

IP Journal of Paediatrics and Nursing Science

Journal homepage: <https://www.jpns.in/>

Original Research Article

A descriptive study to assess the knowledge regarding post COVID complications among adults in the state of Maharashtra

Rasika Vaidya¹, Priyanka Kasare^{1,*}, Neha Wasnik¹, Ankita Mhaske¹, Swati Gaikwad¹, Preshita Thorat¹

¹Dept. of Nursing, Sitabai Nursing College, Nagpur, Maharashtra, India



ARTICLE INFO

Article history:

Received 06-10-2021

Accepted 23-11-2021

Available online 11-01-2022

Keywords:

Student nurse

Satisfaction

COVID-19 Areas

Clinical posting

ABSTRACT

A non experimental survey study was conducted to assess the satisfaction of student nurses' worked at Covid-19 areas during pandemic situation. 116 student nurses' have participated in this study. The non-probability convenient sampling technique was used. Data was collected by means of Google form. The tool contain two sections, demographic data and likert scale to assess satisfaction level of student nurses'. Objectives of study were to assess the student nurses' satisfaction level related to clinical posting at covid-19 areas, and to find out the association of satisfaction level with selected demographic variables. The study reveals that out of 116 student nurses' 28 (24.13%) of them were very satisfied with the clinical posting at covid-19 areas, 53(45.68%) of them were satisfied, whereas 30 (25.86%) of them were neither satisfied nor dissatisfied, and only 5 (4.31%) of them were dissatisfied. The study concludes most of the student nurses' were satisfied with all the aspects but dissatisfaction was also noticed. 22(18.96%) of student nurses' were dissatisfied with the administrative support at assigned hospital. In regard to availability of resources at the hospital and use of PPE kit during working hours 26 (22.41%) Of student nurses' reported as dissatisfied. 21(18.10%) of student nurses' were dissatisfied with covid-19 screening carried out before and after clinical. Also in provision of facilities in quarantines period were reported as dissatisfied by 30(25.86%) of student nurses.

This is an Open Access (OA) journal, and articles are distributed under the terms of the [Creative Commons Attribution-NonCommercial-ShareAlike 4.0 License](https://creativecommons.org/licenses/by-nc-sa/4.0/), which allows others to remix, tweak, and build upon the work non-commercially, as long as appropriate credit is given and the new creations are licensed under the identical terms.

For reprints contact: reprint@ipinnovative.com

1. Introduction

Covid-19 is a deadly disease which has brought a very big change in the world. It not only changed the economy but also the health care system. Where all schools, college, malls, temples, restaurants, transportation everything were closed, medical professionals like Doctors and Nurse served the Nation. Nurses' played a vital role in pandemic situation. There was acute shortage of nurses' to work in clinical area and to fill the gap of nurses' it was decided by the government to utilize student nurses' to work at covid-19. Of course this period was tough for student nurses and their

parents but they do participated in it. Working in covid-19 ward, hospital also helped them to developed their skills and knowledge. Education increase student nurses' skills to prepare them for duties but experience in covid-19 wards made them skilled nurses'.¹ So, due to clinical posting these nurses' have learned the role of registered nurse. At the same time many difficulties and challenges they faced.

The covid-19 posting of student nurses provided a great help to hospitals and nursing staff. For nursing students their clinical learning environment is stressful and anxiety aggravating. So the researcher thought to find out the level of satisfaction towards their clinical posting at covid-19 areas.² Respecting the participation of students nurses in clinical areas and also listening too many of their good and

* Corresponding author.

E-mail address: rupashok@yahoo.co.in (P. Kasare).

bad experiences the researcher thought to understand their experience and expectation, and general problems faced by them. Which may help the college staff and health care administrator to work towards improvement extending their cooperation for student nurses.

1.1. Problem statement

Survey to assess the student nurses' satisfaction related to clinical posting at covid-19 areas

1.2. Objectives of the study

1. To assess the student nurses' satisfaction level related to clinical posting at covid-19 areas.
2. To find out the association of level of satisfaction with selected demographic variables of students working in covid-19 areas.

1.3. Operational definition

1.3.1. Assess

In this study assess means the organized systematic continuous process of collecting data from student nurses' satisfaction related to clinical posting at covid-19 areas.

1.3.2. Nursing students

In our study nursing refers to GNM nursing B.Sc. nursing/ P.B B.Sc. nursing/ M.Sc. nursing courses done by the student.

1.3.3. Satisfaction

In our study satisfaction refers to student opinion toward clinical posting at covid-19 area.

1.3.4. Clinical posting

In our study clinical posting refers to a nursing student posting at hospital to serve the covid-

1.4. Areas

1.4.1. COVID-19 Areas

In our study covid-19 areas refers to the OPD/ causality/ ICU / ward where covid-19 care is provided to patient.

1.5. Scope of study

The survey to assess the student nurses' satisfaction related to clinical posting at covid-19 areas will help to find out the students satisfaction and plan posting for the students accordingly.

It will also help to know the shortcomings faced by students which can help to improve student's interest in clinical posting.

Nursing administration can encourage the staff and provide them better communication and friendly

environment.

This research also helpful for conduct further research.

1.5.1. Assumption

1. Nursing students may be satisfied with clinical posting in Covid-19 areas.
2. Satisfaction level may vary from student to student as per exposure and co-operation they received.

1.5.2. Research approach

- Descriptive Survey Approach.

1.5.3. Research design

- Non experimental descriptive survey design

1.5.4. Setting of the study

- The study was conducted in selected nursing colleges by online mode through Google form.

1.5.5. Population

- Student Nurses' worked at covid-19 areas in hospital.

1.5.6. Target population

- Student nurses' working in covid-19 areas of selected nursing colleges.

1.5.7. Accessible population

- The student nurse meeting the inclusive criteria.

1.6. Inclusive criteria

1. Student nurses' who had exposure more than one month in covid-19 areas.
2. Both male and female student nurses' are included.
3. Student nurses' who are willing to participate in study.

1.7. Exclusive criteria

Student who are not willing to participate in study.

1.7.1. Sample size

Sample consists of 116 Student nurses' working in covid-19 areas.

1.7.2. Sampling technique

Non probability convenience sampling technique.

1.8. Tools for data collection

1.8.1. Tool of data collection consist of two sections

1. **Section A:** consist of demographic variables of students to participate in the study. E.g. Age, Gender, Course, Batch, Residence, Area of Working, Hours of working, use of PPE kit, hours of using PPE kit, Vaccination and with single or both doses etc.

2. **Section B:** It consists of five point likert scale having statements to assess the student’s satisfaction working in covid-19 areas.

1.8.2. Data collection procedure

1. Permission was obtained from concerned authority.
2. The Google form was prepared and samples were approached through Social media.
3. The data collection was conducted in 10 consecutive days.

1.9. Analysis and interpretation

This chapter deals with the analysis and interpretation of the data collected from 116 student nurses’. Satisfaction level related to clinical posting at covid-19 areas. Analysis and interpretation was done on the basis of objectives of the study. The analysis was done with the help of descriptive and inferential statistics

1.10. Section –I

The above table shows that Majority of the students were from the age group of 21-22 and more than 22 (91.36%) and only 10(8.6%) students were from the age group of 19-20.

1. Majority 80.17% of the students were female however only 19.82 % of students were male
2. Educational status reveals that majority of the students 60.34% are from Post basic B.sc Nursing and only 13.79% of them were educated GNM

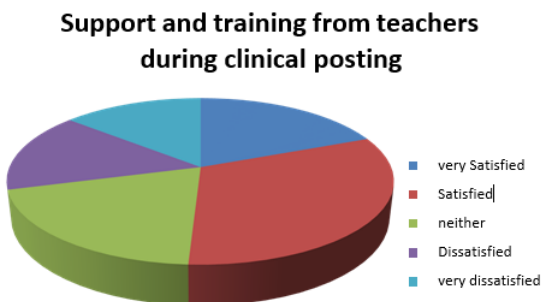


Fig. 1: Support and training from teachers during clinical posting

1. Majority of students 47.41% were studying in fourth year and 29.31% were from third year and 18.96% were studying I second year and no students were from M.sc Nursing
2. The Above data reveals that majority 50% of students were working for less than 6 hours while only 1.7% student were working for 10 hours.
3. 45.68% of the students were working in Casualty/Emergency while 37.90 % students were

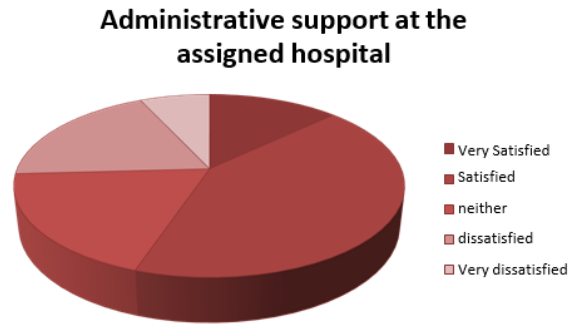


Fig. 2: Administrative support at the assigned hospital

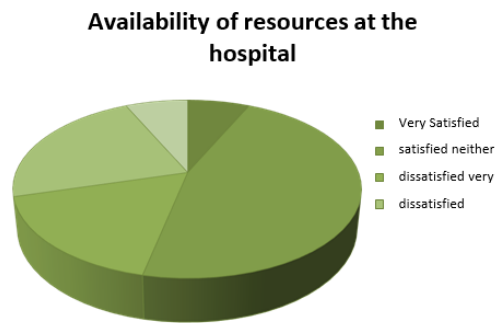


Fig. 3: Availability of resources at the hospital

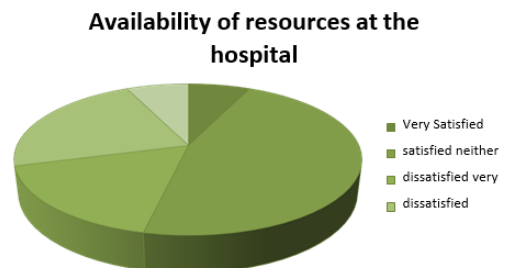


Fig. 4: Availability of resources at the hospital



Fig. 5: Initial training and assessment to commence your work

Table 1: Distribution of samples according to their demographic variables: n=116

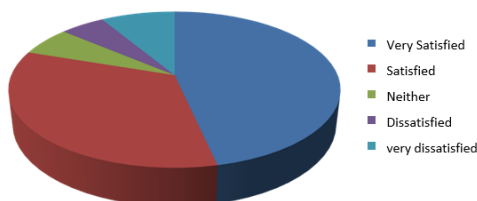
Demographic Variables	(f) Frequency	Percentage (%)
Age (Yrs)		
17-18	0	0%
19-20	10	8.6%
>22	53	45.68%
Gender		
Male	23	19.82%
Female	93	80.17%
Course		
GNM	16	13.79%
B.Sc. Nursing	30	25.86%
Post basic B.Sc Nursing	70	60.34%
M.Sc Nursing	0	0%
Batch		
1 Year	5	4.31%
2 Year	22	18.96%
3 Year	34	29.31%
4 Year	55	47.41%
Hours of working		
< 6 hours	58	50%
8 hours	51	43.96%
10 hours	2	1.7%
> 12 hours	5	4.31%
Area of working		
OPD	9	7.75%
Ward	44	37.93%
ICU	10	8.6%
Casualty/Emergency	53	45.68%
Residence AT		
Hostel	38	32.75%
Own house with Parents	66	56.89%
Stay on lease	12	10.34%
Used PPE Kit		
Yes	90	77.58%
No	26	22.41%
Hours of wearing PPE Kit		
2-4 hours	22	18.96%
4-6hours	42	36.20%
6-8 hours	38	32.75%
8-10 hours	14	12.06%
Received vaccine Against COVID 19		
Yes	60	51.72%
No	56	48.27%
IF YES, With		
Single	30	25.86%
Both	30	25.86%

Table 2: Showing each question wise satisfaction level of student nurses' working in Covid-19 Areas

Statements	Very Satisfied	Satisfied	Neither Satisfied Nor Dissatisfied	Dissatisfied	Very Dissatisfied
Support and training from teachers during clinical posting	22 (18.96%)	37(31.89%)	23 (19.82%)	18 (15.51%)	16 (13.79%)
Administrative support at the assigned hospital	15 (12.93%)	49(42.24%)	22 (18.96%)	22 (18.96%)	8 (6.89%)
Communication with senior Nursing Staff	27 (23.27%)	51(43.96%)	20(17.24%)	9 (7.75%)	9 (7.75%)
Co-operation received from another health care team member at the hospital	18 (15.51%)	62(53.44%)	18(15.51%)	8 (6.89%)	10 (8.62%)
Support from friends and families during clinical posting	54 (46.55%)	39(33.62%)	7(6.03%)	6 (5.17%)	10 (8.62%)
Initial training and assessment to commence your work	22 (18.96%)	58(50%)	15(12.93%)	14 (12.06%)	7 (6.03%)
Orientation provided prior to work with a patient with covid-19	20 (17.24%)	61(52.58%)	14(12.06%)	9 (7.75%)	12 (12.34%)
Working hours	10(8.62%)	65(56.03%)	20(17.24%)	14(12.06%)	7(6.03%)
Availability of resources at the hospital	8 (6.89%)	54 (46.55%)	20(17.24%)	26 (22.41%)	8(6.89%)
Patients Prognosis or outcomes within the hospital	24(20.68%)	53(45.68%)	20(17.24%)	16(13.79%)	3(2.58%)
Use of PPE during working hours	17(14.65%)	45 (38.79%)	23(19.82%)	26(22.41%)	5(4.31%)
Knowledge and experience gained during clinical posting	29(25%)	65 (56.03%)	6(5.17%)	15(12.93%)	1(0.86%)
Covid 19 screening carried out before and after clinical posting	14(12.06%)	50(43.10%)	16 (13.79)%	21(18.10%)	15(12.93%)
Provision of facilities during quarantine period	12(12.34%)	41(30.34%)	25(21.55%)	30(25.86%)	8(6.89%)
Remuneration and allowance paid during clinical posting	15(12.93%)	40(34.48%)	17(14.65%)	13 (11.20%)	31(26.72%)
Recognition and appreciation on the part of society	13(11.20%)	67(57.75%)	23(19.82%)	10(8.62%)	3(2.58%)

Table 3: Showing the association between selected demographic variable with student nurses' satisfaction level related to clinical posting at covid-19 areas.

Demographic Variables	Number of samples					Chi square	D F	P
	Very satisfied	Satisfied	Neither Satisfied nor dissatisfied	Dissatisfied	Very dissatisfied			
Age						27.70	12	0.0061(S)
17-18	0	0	0	0	0			
19-20	1	15	2	0	0			
21-22	7	31	12	3	0			
>22	20	10	13	2	0			
Gender						2.914	4	0.572
Male	5	8	8	0	0			
Female	23	45	22	5	0			
Course								
General Nurse	7	5	4	0	0			
Midwives(GNM)						26.39	12	0.855(S)
Basic B.sc Nursing	14	7	5	0	0			
Port Basic B.sc nursing	7	41	21	5	0			
M.Sc Nursing	0	0	0	0	0			
Batch						40.463	12	0.00060(S)
1year	5	2	1	0	0			
2year	13	5	2	0	0			
3year	6	16	5	0	0			
4year	4	30	22	5	0			
Area of working						9.455	12	.06636
Casualty	2	2	3	0	0			
Ward	12	23	13	0	0			
ICU	11	18	13	4	0			
OPD	3	4	1	1	0			
Resident at						4.019	8	0.855
Hostel	12	31	16	4	0			
Own house with Parents	12	14	10	1	0			
Stay on lease	4	8	4	0	0			
Hours of working						2.911	12	.9961
< 6 hours	14	29	13	2	14			
8 hour	13	21	14	3	13			
10 hour	0	1	1	0	0			
>12 hour	1	2	2	0	1			

Support from friends and families during clinical posting**Fig. 6:** Support from friends and families during clinical posting

working in ward and 8.6% students working in ICU and only 7.75% students working in OPD.

- Majority of students residing in own house with parents were 56.89%, 32.75% in hostel and only 10.34% were staying on lease.
- In regards to use of PPE kit 77.58% of students were wearing it while 22.41% of them were not wearing during the posting.
- In regards to hours to wear PPE kit majority 36.20 % had to wear it for 4 to 6 hours while only 12.06% had to wear it for 8-10 hours.

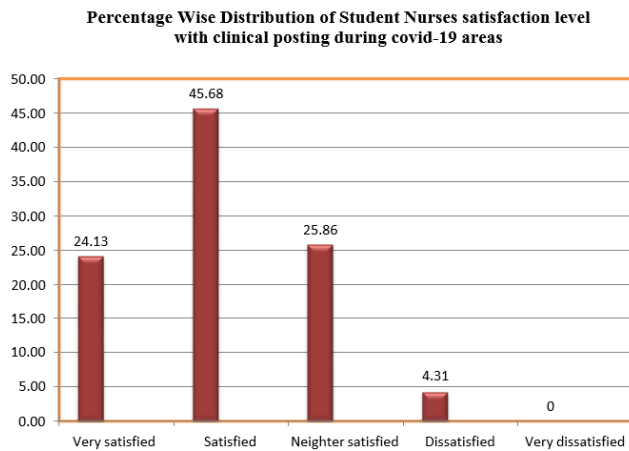


Fig. 7: Percentage wise distribution of student nurses satisfaction level with clinical posting during covid-19 areas

7. The study also revealed that out of 116 students 60 (51.72%) of them were vaccinated against covid-19 out of which 30 vaccinated with single dose and 30 with both the doses.

A study to assess the student Nurses' satisfaction level related to clinical posting at covid-19 areas.

The above table shows each question wise satisfaction level of student nurses' working in covid-19 areas.

1. The table shows most of the student nurses' were satisfied with all the aspects but dissatisfaction was also noticed.
2. 22(18.96%) of student nurses' were dissatisfied with the administrative support at assigned hospital.
3. In regard to availability of resources at the hospital and use of PPE kit during working hours 26(22.41%) Of student nurses' reported as dissatisfied.
4. 21(18.10%) of student nurses' were dissatisfied with covid-19 screening carried out before and after clinical.
5. Also in provision of facilities in quarantines period were reported as dissatisfied by 30(25.86%) of student nurses'

1.11. Section: 2

To find out the association between selected demographic variable with student nurses' satisfaction level related to clinical posting at covid-19 areas.

Above data shows the association of student nurses' satisfaction level with age, course, and batch.

The study reveals that out of 116 student nurses' 28 (24.13%) of them were very satisfied with the clinical posting at covid-19 areas, 53(45.68%) of them

were satisfied, whereas 30 (25.86%) of them were neither satisfied nor dissatisfied, 5 (4.31%) of them were dissatisfied.

2. Conclusion

This study reveals that with the posting of student nurses during pandemic situation provided them opportunity to learn how to handle pandemic situation and their importance in health care system. Student responded very positively but in some areas they were dissatisfied like provision of facilities during quarantine period, administrative support, availability of resources at hospital etc. Further such studies can be conducted at broad levels and comparison of private and government student nurses also can be considered.

3. Source of Funding

None.

4. Conflict of Interest

None.

References

1. The importance of clinical experience for mental health nursing – Part I: Undergraduate nursing students' attitudes, preparedness and satisfaction; 2008. Available from: https://www.google.com/search?q=nursing+student%27s+clinical+posting+satisfaction+&rlz=1C1CHBD_enIN921IN921&sxsrf=ALeKk03TE.
2. Jyoti G, Shama B. Perception about Clinical Posting among B.Sc. Nursing Students: A Comparative study. *J Pract Prof Nurs.* 2021; Available from: <https://www.heraldopenaccess.us/openaccess/perception-about-clinical-posting-among-b-sc-nursing-students-a-comparative-study>.

Author biography

Rasika Vaidya, Associate Professor

Priyanka Kasare, Assistant Professor

Neha Wasnik, Assistant Professor

Ankita Mhaske, Assistant Professor

Swati Gaikwad, Assistant Professor

Preshita Thorat, Assistant Professor

Cite this article: Vaidya R, Kasare P, Wasnik N, Mhaske A, Gaikwad S, Thorat P. A descriptive study to assess the knowledge regarding post COVID complications among adults in the state of Maharashtra. *IP J Paediatr Nurs Sci* 2021;4(4):141-147.