



# ATTITUDE TOWARD PSYCHIATRY AMONG NURSING STUDENTS IN A PUBLIC SECTOR NURSING SCHOOL

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Submitted: October 19, 2020 Accepted: December 16, 2020

## **ABSTRACT**

### **OBJECTIVE**

To determine the attitude and perception among nursing students about psychiatry in a public sector hospital.

# **STUDY DESIGN**

Cross sectional

# PLACE AND DURATION OF THE STUDY

The study was conducted from 31<sup>st</sup> January 2018 to 31<sup>st</sup> Jan 2019 at Institute of Nursing/DUH in Karachi.

## **SUBJECTS AND METHODS**

236 nursing students were included in the study. A semi structured questionnaire based on attitude to Psychiatry (ATP) was used for data collection. The nursing students in the different training years were approached after their lectures. The data was analyzed using SPSS V.20. sociodemographic variables were assessed for frequency and percentages. For descriptive analysis, responses on each item of the ATP scale were grouped according to overall responses. The Likert scale scores were compared using Kruskal-Wallis ANOVA of the rank order data. All statistically significant results were reported at p < 0.05.

# **RESULTS**

Majority of the sample (70.3 %) were between 16 to 25 years of age and females (58.9%). The graduate nurses were 32.2% followed by 2nd year students (21.6%). Only 19.9% attended lectures on Psychiatry during their study. In ATP majority agreed that the overall merits have increased and psychiatry is a rapidly expanding frontier of medicine. Regarding specific nursing school factors, they agreed that teaching about psychiatry should be part of curriculum; they had interest but were of opinion that no efforts are made to introduce psychiatry to postgraduate level.

# **CONCLUSION**

The nursing students consider psychiatry as medical profession with biological bases and their attitude towards psychiatry is positive. Student nurse are interested to continue it as a post graduate program but consider that adequate efforts are put into providing support.

## **KEY WORDS**

under graduate, nursing students, Psychiatrist, mental illness

# **INTRODUCTION**

The term "mental illness" includes a wide range of disorders. The prevalence of mental illness is increasing in all age groups and among both women and men. Stigma and negative connotations unfortunately go hand in hand with the field of psychiatry due to the longstanding stigma. It is cultivated by society in general and further exacerbated by the culture as documented in studies conducted in under developed countries. A shortage of specialists psychiatric nurses is also an obstacle in better care of psychiatric patients. It has been studied in several countries including major western countries, and underdeveloped countries the medical undergraduates attitudes towards Psychiatry has improved towards Psychiatry after their clinical rotations. In a Korean study, findings showed that nurses had a vital role in care of psychiatric patients and further their role was important in destigmatising Psychiatric disorders.

Lack of awareness and knowledge about mental illness and Psychiatrist among under graduate nursing students have a negative attitude toward mental illness they do not want to pursue it as a future career or go for post-graduation in Psychiatry.

Their important role in multidisciplinary team for mental health care, require that their education must be planned in a way to have a better perception and change in attitude about psychiatric conditions. To challenge beliefs and assumptions, psychiatric teaching should promote a commitment to provide holistic care to people with mental illness. A study showed a negative attitude among nurses had adverse effects on the prognosis of patients.

literature has focused to find if the experience of nurses had a significant impact on the students, baseline outlook on various aspects of psychiatry overall and as a potential future field in which to specialize. The aim of our study was to analyze the attitude of psychiatry among nursing students in successive years. This will help to assess the needs of the students and help to plan for the future curriculum of nurses to sensitize them with mental illness and reduce the stigma. And to consider it as a potential future field for their specialization. A few of studies with similar objectives have already been conducted in Pakistan for medical students but for nursing students very little evidence is available. The objective of the study is to determine the attitude about Psychiatry among successive years of nursing students about psychiatry.

# **SUBJECTS AND METHODS**

# **Participants**

The sample was 256 nursing students from all 4years from Institute of Nursing/DUH. The Exclusion criteria were those absent on interview day, not consenting and other staff member of Institute of Nursing/DUH. Sample size

was calculated after a pilot study conducted to derive a proper sample size. The sample size was derived with the following parameters: Mean 111.75, SD 8.7607 08, Z 1.96, e 0.21, , 95% confidence interval. n=256.Only those who completed questionnaire were included. 236 valid questionnaires were included in the study. Data of study was collected from 31st January 2018 to 31st Jan 2018.Both male and females were included.

#### Instrument

A semi structured questionnaire based on ATP (attitude to psychiatry) with demographic information was used for data collection. ATP is 29-item questionnaire that assesses attitudes toward psychiatry across six domains. ATP questionnaire has been found to be a reliable and valid instrument; it was originally developed by Wilkinson to measure specific attitudes towards psychiatry, including both academic and clinical domains of psychiatry as well as attitudes towards psychiatrists and patients in the psychiatric settings. Response was measured on a Likert scale with 5 response options to the statements: "Strongly Agree=5", "Agree=4", "No opinion/neutral=3", "Disagree=2", "Strongly Disagree=1". The range of scores is from 29-145. The higher the score, the more positive the attitude towards psychiatry is.

#### **Procedure**

After approval from the ethical review board and permission from the In charge of nursing school this cross-sectional study was conducted at a tertiary care nurse-training institute in Karachi (university-affiliated training program attached to a multispecialty hospital). All the nursing students enrolled in the institute were explained about the study. They were ensured of the confidentiality of their data. They were approached after their lectures. After taking their consent and explaining the purpose of study the semi structured questionnaire based on attitude to Psychiatry (ATP) was provided. The sampling type was purposive convenient. Inclusion

criterion was sursing students from all the 4 years from the Institute of Nursing/DUH.

The data was analyzed using SPSS V.20. Between group analyses was carried out for the different training years, namely, first year, second year, third year, fourth year and graduate. For descriptive analysis, responses on each item of the ATP scale were grouped according to overall responses. The Likert scale scores were compared using Kruskal–Wallis ANOVA of the rank order data. All statistically significant results were reported at p < 0.05.

#### **RESULTS**

Total number of enrolled participants was 256 Nurses, 236 completed the questionnaire. The response rate was 92%. As per socio demographic characteristics of the participants, majority of the sample (70.3%) were between 16 to 25 years of age and females (58.9%). The graduate nurses were 32.2% followed by 2nd year students (21.6%). Only 19.9% attended lectures on Psychiatry during their study.

Regarding overall merits of Psychiatry, participant nurses agreed that psychiatry is a rapidly expanding frontier of medicine but disagreed that psychiatry is unscientific and imprecise and these both were found on the basis of mean rank statistically significant at P<0.001.Regarding efficacy of psychiatry, the nurses of different years of study were agreed that psychiatric consultation for medical or surgical patients is often helpful and psychiatric treatment is helpful to most people who receive it. Regarding role definition and functioning of psychiatric professionals the psychiatry was considered as a genuine profession but psychiatrists are too biological minded. (Table1)

Table 1

Merits of psychiatry, Efficacy and Role definition and functioning of psychiatric professionals on Kruskal-Wallis analysis of variance of the rank order.

Overall merits of psychiatry	Years in	n	Mean	Chi-	P-
	Program		Rank	Square	value
Psychiatric research has made good strides in advancing care of the	1st Year	23	117.11	2.652	0.618
major mental disorders	2nd Year	51	123.85		
	3rd Year	42	115.35		
	4th Year	44	106.08		
	Graduate	76	124.26		
Psychiatry is a rapidly expanding frontier of medicine	1st Year	23	102.70	19.394	0.001
	2nd Year	51	90.80		
	3rd Year	42	111.40		
	4th Year	44	133.24		
	Graduate	76	137.26		
Psychiatry is unscientific and imprecise	1st Year	23	95.46	18.455	0.001
	2nd Year	51	92.56		
	3rd Year	42	125.14		
	4th Year	44	144.09		
	Graduate	76	124.39		
Efficacy					
If someone in my family was very emotionally upset and the	1st Year	23	127.20	2.904	0.574
situation did not seem to be improving, I would recommend a	2nd Year	51	127.51		
psychiatric consultation	3rd Year	42	121.18		
	4th Year	44	108.52		
	Graduate	76	114.12		

Psychiatric consultation for medical or surgical patients is often	1st Year	23	104.87	13.673	0.008
helpful	2nd Year	51	102.91		
	3rd Year	42	101.73		
	4th Year	44	126.05		
	Graduate	76	137.99		
Psychiatric treatment is helpful to most people who receive it	1st Year	23	136.50	14.597	0.006
	2nd Year	51	97.25		
	3rd Year	42	104.51		
	4th Year	44	117.83		
	Graduate	76	135.43		
le definition and functioning of psychiatric professionals					
Psychiatry is not a genuine and valid branch of medicine	1st Year	23	142.35	23.249	
	2nd Year	51	90.47		
	3rd Year	42	97.38		
	4th Year	44	132.56		<0.001
	Graduate	76	133.62		
Most psychiatric professionals are clear, logical thinkers	1st Year	23	117.59	20.252	< 0.001
	2nd Year	51	94.92		
	3rd Year	42	101.81		
	4th Year	44	119.78		
	Graduate	76	143.08		
With a few exceptions, clinical psychologists and social workers are	1st Year	23	108.54	30.890	< 0.00
just as qualified as psychiatrists to diagnose and treat emotionally	2nd Year	51	79.27		
disturbed persons	3rd Yea r	42	111.60		
	4th Year	44	140.86		
	Graduate	76	138.70		
Among mental health professionals, psychiatrists have the most	1st Year	23	120.91	3.394	0.494
authority and influence	2nd Year	51	125.85		
	3rd Year	42	106.75		
	4th Year	44	109.95		
	Graduate	76	124.28		
Psychiatrists are too frequently apologetic when teaching	1st Year	23	119.57	5.441	0.245
psychiatry	2nd Year	51	105.76		
	3rd Year	42	107.60		
Psychiatrists are too frequently apologetic when teaching	1st Year	23	119.57	5.441	0.24
psychiatry	2nd Year	51	105.76		
	3rd Year	42	107.60		
	4th Year	44	128.01		
	Graduate	76	127.24		<u> </u>
Psychiatry is too "biologically" minded and n ot attentive enough	1st Year	23	114.26	17.577	0.00
to the patient's personal life and psychological problems	2nd Year	51	99.62		
	3rd Year	42	96.14	]	
	4th Year	44	127.91		
	Graduate	76	139.36	1	
Psychiatry is too analytical, theoretical, and psychodynamic, and	1st Year	23	112.52	.551	0.96
not attentive enough to patient's physiology	2nd Year	51	121.39	1	
5 1 1 7 7 7 37	3rd Year	42	116.60	1	1
	4th Year	44	122.82	1	1
	Graduate	76	116.92	1	1

For social criticism, nurses agreed that psychiatrists frequently abuse their legal power to hospitalize patients against their will. For career and personal rewards, mean rank was found significant difference in two statements of ATP where participants agreed that many people who cannot obtain a position in other specialties eventually enter psychiatry and Psychiatry is a discipline filled with international graduates whose skills are of a low quality. Regarding specific nursing school factors, participated nurses agreed on the basis of mean rank that teaching of psychiatry at their nursing school is interesting and of good quality and although they that although they are interested in psychiatry, but no effort were made to improve the curriculum (Table 2).

Table 2 Social criticism, Career and personal reward, and Specific nursing school factorson Kruskal–Wallis analysis of variance of the rank order.

Social criticism	Years in	n	Mean	Chi-	P-
	Program		Rank	Square	value
Psychiatrists frequently abuse their legal power to hospitalize patients	1st Year	23	113.59	15.456	0.004
against their will	2nd Year	51	91.98		
	3rd Year	42	110.46		
	4th Year	44	128.65		
	Graduate	76	136.35		
On an average, psychiatrists make as much money as most other doctors	1st Year	23	132.74	6.463	0.167
	2nd Year	51	128.20		
	3rd Year	42	99.64		
	4th Year	44	112.00		
Cavaay and navsanal	Graduate	76	121.87		
Career and personal	1st Voor	23	110.07	8.879	0.064
Psychiatry has a low prestige among the general public	1st Year 2nd Year	51	110.87 101.35	8.879	0.064
	3rd Year	42			
	4th Year	44	111.90 120.28		
		76			
Psychiatry has a high status among other medical disciplines	Graduate 1st Year	23	134.93 119.61	4.622	0.328
rsychiatry has a nigh status among other medical disciplines	2nd Year	51	123.82	4.022	0.326
	3rd Year	42	106.12		
	4th Year	44	100.12		
	Graduate	76	127.64		
Many people who cannot obtain a position in other specialties eventually	1st Year	23	135.61	11.336	0.023
enter psychiatry	2nd Year	51	99.58	11.550	0.023
enter psychiatry	3rd Year	42	102.58		
	4th Year	44	127.49		
	Graduate	76	129.61		
Psychiatry is a discipline filled with international graduates whose skills are	1st Year	23	126.91	11.148	0.025
of a low quality	2nd Year	51	92.53		5.525
<b></b>	3rd Year	42	117.92		
	4th Year	44	132.06		
	Graduate	76	125.86		
My family discourages me from entering psychiatry	1st Year	23	116.04	0.380	0.984
, · · , · · · · · · · · · · · · · · · ·	2nd Year	51	121.32		
	3rd Year	42	117.35		
	4th Year	44	114.31		
	Graduate	76	120.41		
Friends and fellow students discourage me from entering psychiatry	1st Year	23	112.87	3.891	0.421
	2nd Year	51	110.23		
	3rd Year	42	108.63		
	4th Year	44	128.62		
	Graduate	76	125.35		
If a student expresses interest in psychiatry, he or she risks being associated	1st Year	23	139.91	4.306	0.366
with a group of other would be psychiatric nurses who are often seen by	2nd Year	51	123.43		
others as odd, peculiar, or neurotic	3rd Year	42	120.45		
	4th Year	44	109.03		
	Graduate	76	113.11		
I feel uncomfortable with mentally ill patients	1st Year	23	104.65	1.877	0.758
	2nd Year	51	125.95		
	3rd Year	42	121.52		
	4th Year	44	118.92		
	Graduate	76	115.78		
Specific nursing school factors		1			

	4 11/		07.07	22.600	0.004
Teaching of psychiatry at my nursing school is interesting and of good quality	1st Year	23	97.07	23.699	0.001
	2nd Year	51	96.78		
	3rd Year	42	99.92		
	4th Year	44	129.01		
	Graduate	76	143.74		
During my psychiatry rotation, psychiatry residents were good role models	1st Year	23	104.39	3.055	0.549
	2nd Year	51	118.03		
	3rd Year	42	116.29		
	4th Year	44	112.41		
	Graduate	76	127.84		
Attending psychiatrists during my psychiatry rotation were good role models	1st Year	23	131.17	6.326	0.176
	2nd Year	51	120.00		
	3rd Year	42	101.65		
	4th Year	44	109.00		
	Graduate	76	128.47		
Most psychiatrists at my nursing school are clear, logical thinkers	1st Year	23	115.04	8.737	0.068
	2nd Year	51	136.55		
	3rd Year	42	127.70		
	4th Year	44	100.17		
	Graduate	76	112.96		
Most non-psychiatry and house staff at my nursing school are respectful toward	1st Year	23	118.17	2.998	0.558
psychiatry	2nd Year	51	131.71		
	3rd Year	42	112.52		
	4th Year	44	118.85		
	Graduate	76	112.84		
Although I am interested in psychiatry, no effort was made to provide support	1st Year	23	104.02	25.561	0.001
	2nd Year	51	82.63		
	3rd Year	42	116.64		
	4th Year	44	135.92		
	Graduate	76	137.89		

# Item responses on ATP scale

The frequency distribution of responses of nursing students from the four groups on different items has been represented in Figures 1 and 2.

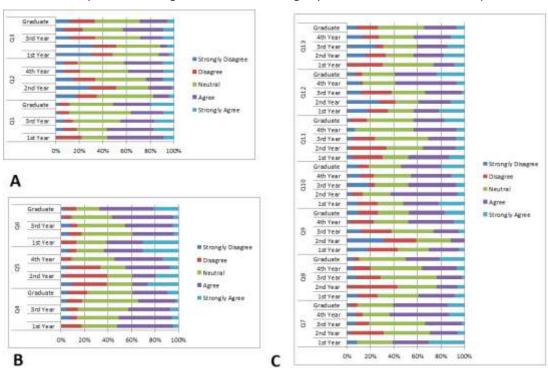


Figure 1: Percentage distribution of responses to statements of the Likert scale: (A) Overall merits of psychiatry; (B) Efficacy and (C) Role definition and functioning of psychiatric nursing professionals reward and Specific nursing school factors

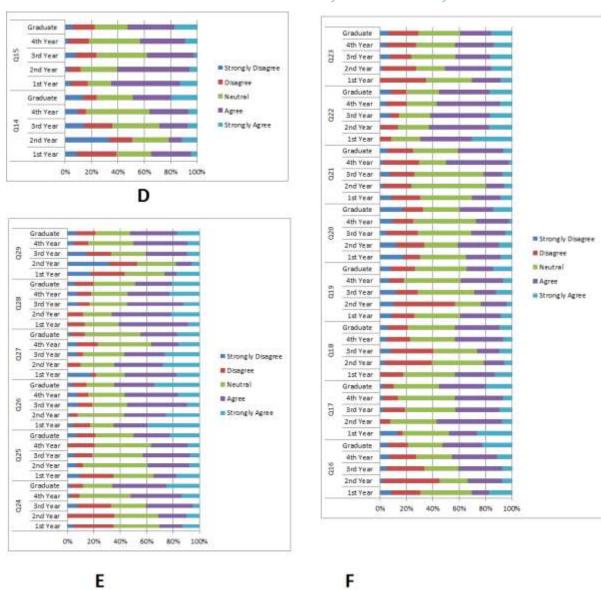


Figure 2: Percentage distribution of responses to statements: (D) Possible abuse and social criticism; (E) Career and personnel reward and (F) Specific nursing school factors

## **DISCUSSION**

Nurses have a vital role in care and rehabilitation especially for psychiatric patients. The study was aimed to find about out awareness and knowledge about mental illness and Psychiatrist among under graduate nursing students. Further to determine cause of negative attitude toward mental illness they do not want to pursue it as a future career or go for post-graduation in Psychiatry Nursing.

The study showed that nursing students attitudes towards psychiatry is positive which is consistent with other studies conducted nursing populations. According to our study, most of the participants were from young age group (16-25 years). Similar age distribution has been found in a study conducted in Nigeria belonged where most of participants were from age group of 20-25 years  $^{13}$ . In other studies respondents had a mean age was 23.9  $\pm$  4.1years, 21.27 $\pm$ 3.28 years and 20.1 $\pm$ 3.1 years respectively".

Regarding gender of participated nurses, in our study, majority of nurses (58.9%) were females. In other studies conducted in Nigeria and other countries, females were 90%, 71.1% and 83.4% respectively<sup>15,,17</sup>. Though we also found females to be more but less difference of male is to female ratio as compared with other studies. In our study it was overall observed that nurses were least interested to pursue Psychiatric nursing as future career. The participants agreed that many people who cannot obtain a position in other specialties eventually enter psychiatry and Psychiatry is a discipline filled with international graduates whose skills are of a low quality. Similar to it, in a study before clinical placement, only 13.7% nurse students reported that they would choose psychiatric nursing as a future career, which improved to 28.4% after the clinical posting<sup>18</sup>. In another study, it was at number six with only 5.7% select it for future career<sup>14</sup>. In a study only 34.2% expressed an interest in choosing psychiatric nursing as a specialty<sup>17</sup>. However, for option to choose psychiatry was at 4th number with only 5.2% definitely decide to be a mental health nurse in other studies the similar

results were counted'.

In our study, majority of the nurses agreed that teaching of psychiatry at nursing school is interesting and of good quality. It is similar to a study \*\*results conducted pre- and post-clinical training indicating a significant difference in interest. In another study indicated that nurses clinical experiences helps them for better understanding of mental illness but it was also suggested by them that it is not profitable to plan it to consider it as a future career.

## **CONCLUSION**

The nursing students consider psychiatry as medical profession with biological bases and their attitude towards psychiatry is positive. Student nurse are interested to continue it as a post graduate program but consider that adequate efforts are put into providing support.

A better knowledge will help to de stigmatize patients suffering from mental illness. Taking these factors into consideration may improve recruitment and alleviate the shortages in the psychiatric nursing field.

**Limitations:** unicentered data so generalization is not possible.

Conflict of interest: none

## **Grant Support & Financial Disclosures:** None

## **REFERENCES**

- Farrooq N,Ayub M, Javed Z, etall. Stigma and psychiatric illness: A survey of attitude of medical students and doctors in lahore, pakistan. J Ayub Med Coll. 2006;18(3):46-9 https://www. researchgate.net/publication/6459260\_Stigma\_psychiatric\_il lness\_A\_survey\_of\_attitude\_of\_medical\_students\_and\_doct ors\_in\_Lahore\_Pakistan.
- 2. Hanafiah AN, Van Bortel T. A qualitative exploration of the perspectives of mental health professionals on stigma and discrimination of mental illness in Malaysia. Int J Ment Heal Syst. 2015;9(1):10.
- 3. Browne G, Cashin A, Graham I, Shaw W. Addressing the mental health nurse shortage: undergraduate nursing students working as assistants in nursing in inpatient mental health settings. Int J Nurs Pract. 2013;19(5):539–45.
- Happell B. University-based psychiatric nursing education: A promise for the future? Aust J Adv Nurs. 1998;15:7–13. [PubMed: 9729979]
- Happell B. Comprehensive nursing education in Victoria: Rhetoric or reality? J Psychiatr Ment Health Nurs. 2001;8:507–16.[PubMed:11842478]
- Cutliffe JR. The differences and commonalities between United Kingdom and Canadian Psychiatric/Mental Health Nursing: A personal reflection. J Psychiatr Ment Health Nurs. 2003;10:255–7. [PubMed: 12755909]
- 7. Hoencamp E. 'Yes doctor, no doctor': What do patients want from you? Acta Psychiatr Scand. 1999;100:319–20. [PubMed: 10563447]

- Geneva: World Health Organization; 2005. WHO. Mental Health Atlas 2005
- 9. Geneva: World Health Organization; 2001. WHO. Atlas Country Profiles of Mental Health Resources.
- Rushworth L, Happell B. Psychiatric nursing education: Doing the impossible? Arch Psychiatr Nurs. 1998;12:319–25. [PubMed: 9868823]
- 11. Wynaden D, Orb A, McGowan S, Downie J. Are universities preparing nurses to meet the challenges posed by the Australian mental health care system? Aust N Z J Ment Health Nurs. 2000;9:138–46. [PubMed: 11887257]
- Kuhnigk O, Hofmann M, Bothern AM, Haufs C, Bullinger M, Harendza S. Influence of educational programs on attitudes of medical students towards psychiatry: effects of psychiatric experience, gender, and personality dimensions. Med Teach. 2009;31(7):303–10
- Sreeraj VS, Parija S, Uvais NA, Mohanty S, Kumar S. Indian nursing students' attitudes toward mental illness and persons with mental illness. Ind Psychiatry J. 2017 Jul-Dec;26(2):223-227
- Poreddi VL, Thimmaiah R, Pushupu DR, Chander R, Badamath S, Undergraduate Nursing Students' Attitudes towards Mental Illness: Implications for Specific Academic Education Indian J Psychol Med. 2014 Oct-Dec; 36(4): 368–72.
- Jack-Ide IO, Amiegheme FE, Ongutubor KE, Undergraduate Nursing Students' Mental Health and Psychiatric Clinical Experience and Their Career Choice in Nursing: Perspectives from the Niger Delta Region of Nigeria, J Ment Disord Treat, 2016; 2:116.
- 16. Eman Dawood, Impact of Clinical Placement on Nursing Students' Attitudes towards Psychiatry. Journal of American Science, 2012;8(2):627-32.
- 17. Hastings T, Kroposki M, Williams G, Can Completing a Mental Health Nursing Course Change Students' Attitudes? Journal of Issues in Mental Health Nursing, 2017;38(5):449-54
- Mendenhall E, Isaiah G, Nelson B, Musau A, D.Koon A, Smith L, Nurses' perceptions of mental healthcare in primary-care settings in Kenya, Journal of Global Public Health, 2018;13(4):442-55
- Hunter L, Weber T, Shattell M, Harris BA, Nursing Students' Attitudes about Psychiatric Mental Health Nursing, Journal of Issues in mental Health Nursing, 2015;(36(1):29-34

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