

Assess the Level of IQ Among Mental Illness Adults in NMCH, Nellore

Sonia Devasiachan¹, R.Kanaka lakshmi², N.Subhashini³, Dr. Indira Arumugam⁴

¹Staff nurse, Narayana Medical college hospital, Nellore, Andhra Pradesh, India

²Assoc. Professor, Narayana college of Nursing, Nellore, Andhra Pradesh, India

³Asst. Professor, Sree Narayana Nursing College, Nellore, Andhra Pradesh, India

⁴Principal, Narayana College of Nursing, Andhra Pradesh, India

ABSTRACT

Mental health is a level of psychological wellbeing or an absence of mental disorder. Mental illness is a condition that impacts a person thinking, feeling or mood and effect The present study aims to assess the IQ among mental illness adults. Quantitative approach and cross sectional Descriptive design was adopted for the study. 30 mental illness adults were selected by using non probability convenient sampling technique. Data was collected by using Binet Stanford Intelligence Test. Data was analyzed using descriptive and inferential statistics. The study findings revealed that the 10(33.3%) mentally ill adults are educable, 13(43.3%) mentally ill adults are trainable, 6(20%) adults are dependant retarded and only 1 (3.3%) mentally ill adult require life support. The socio demographic variable gender has shown significant association with level of IQ. The study concluded that majority of mentally ill adults are trainable. Hence there is a need to educate and counsel the mentally ill adults thereby can improve cognitive abilities and reduce the further deterioration in illness.

Keywords: IQ, NMCH, IC, DSM, ICD

Corresponding author: N. Subhashini, Asst. Professor, Sree Narayana Nursing College, Nellore, Andhra Pradesh, India.

I. INTRODUCTION

Mental health is an important aspect of one's total health status. It is a basic factor that maintains physical health as well as social effectiveness. Mental illness is any disease condition the influence the way a person think feels the behaves and related to others and to his or her surrounding although the symptoms of mental illness can range from mild to severe and they are different upon the type of mental illness often is unable to cope with life's a daily routines and demands . According to recent reports of WHO States that more than 450 millions across the globally suffer from mental illness. Mental and psychological disabilities are associated with rates of unemployment as high as 90% currently undertaking a global survey of 26 countries in all regions of the world, based on ICD and DSM criteria.

Objectives:

- To assess the level of IQ among mental illness adults

- To find out the association between the level of IQ among mental illness adults with their selected Socio demographic variables.

II. METHODS AND MATERIAL

This cross sectional descriptive study was carried out to assess the level of IQ among mental illness adults admitting to Psychiatric ward at NMCH, Nellore. After obtaining ethical clearance 30 samples were selected by using non probability convenience sampling technique. The data collected from sample after obtaining informed consent from sample and informal caregivers. Data was collected by using standard Binet Stanford Intelligence Test and results were documented. Statistical analysis was performed by using descriptive and inferential statistics.

Criteria for Sample Selection

Inclusion criteria:

Mental illness adults

- Who are admitted in Psychiatry ward

- Who are available at the time of data collection period
- Who are willing to participate in study
- Who knows Telugu and English

Exclusion criteria:

Mental illness adults

- Psychiatric patient with other physical illness
- Who are not willing to participate in study

Description of the Tool

The tool was developed with the help of related literature from various text books, journals, website, discussion and guidance from experts.

Part-I: Deals with Socio Demographic Data:

A demographic variable includes age of patient, sex, religion, education, residence, occupation, type of family, income of patient.

Part-II: Binet Stanford Intelligence Test to assess IQ levels among mental illness adults.

Plan for Data Analysis

The data was analyzed in terms of objectives of the study using descriptive and inferential statistics.

Sl.No	Data Analysis	Method	Remarks
1	Descriptive Statistics	Frequency, Percentage distribution, Mean and Standard Deviation *Distribution of socio demographic variables	*Distribution of socio demographic variables * To assess the IQ levels among mental illness adults
2	Inferential statistics	Chi-Square	* To find out the association between the IQ levels among mental illness adults with their selected socio demographic variables.

III. RESULTS AND DISCUSSION

Section – I:

Frequency and Percentage distribution of socio demographic variables of Mental illness adults.

Section – II:

Level of IQ among mental illness adults

Section – III:

Mean and Standard Deviation of level of IQ.

Section – IV:

Association between the level of IQ and sociodemographic variables of mental illness adult.

Section A : Frequency and percentage distribution of mental illness adults

Table 1 : Frequency and percentage distribution of socio demographic variables

a) 20-25 years	6	20
b) 26-30 years	8	26.7
c) 31-36 years	7	23.3
d) 35 above	9	30

Gender

a) Male	16	53.6
b) Female	14	46.4

Religion

a) Hindu	22	73.4
b) Christian	6	20
c) Muslim	2	6.6

Education

a) Primary education	20	66.6
b) Secondary education	2	6.6
c) Intermediate	1	3.4
d) Graduate	7	23.4

Occupation

a) coolie	12	40
b) business	13	43.3
c) Government employee	1	3.3
d) Private employee	4	13.4

Residence

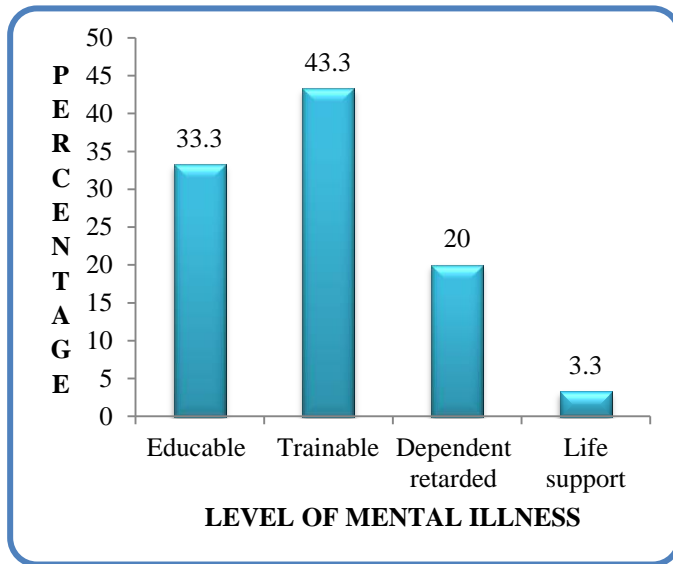
a) urban	17	56.6
b) Rural	13	43.4

Type of family

Socio demographic variables	Frequency (f)	Percentage (%)
Age		

a) Nuclear	15	50
b) Joint family	15	50
Family income		
a) Rs.<5000	20	66.6
b) Rs.5001-7000	9	30
b) Rs. 7001-9000	1	3.4

Section B : Percentage Distribution of Level of Intelligent Quotient of mental illness adults



Section C : Mean and standard deviation of level of IQ

Category	Mean	Standard Deviation
Level of IQ	13.36	4.25

Section D : Association between level of IQ and socio demographic variables.

The socio demographic variables gender has obtained calculated chi square value of 15.94 with table value of 7.82 at the probability <0.05 shown significant association and remaining variables has shown non significant association.

IV. CONCLUSION

The study concluded that majority of mental illness adults can be educable through prompt counseling services and thereby can curtail the hospital stay of mental illness adults.

V. REFERENCES

- [1]. Hans - Raj Bhatia.; “elements of educational psychology”; 5th ed culcutta; (india) orient longman limited publications; (1999)..Page no:229-266
- [2]. Carole A Shea; “text book of advanced practice nursing in psychiatric and mental health care” ; mosby publications; missouri; (1999).Page no:131-138
- [3]. Gail W Stuart; “principles and practice of psychiatric nursing”; 6th edition; mosby publications; south africa; (2005).Page no:222-251
- [4]. Emotional intelligence: what it is and why it matters. journal of psychiatry2000:
- [5]. Nada Salemabisamra. The relationship between emotional intelligence and academic performance. journal of educational psychology 2000.
- [6]. Dr.Tamil Selvam .Mentally Healthy Person, Narayana Nursing Journal - Volume - 4, May 2013.
- [7]. Mayer,j.d.,salovey,p.&caruso,d.r.what is emotionalintelligence?journal of sport psychology]2002 .