

## A Study on Prevalence of Psychiatric Illness in Geriatric Population At A Tertiary Care Hospital.

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### Abstract

**Introduction:** Elderly constitute rapidly growing proportion of our population. About 10-15% elderly have mental health problems

**Aim:** To study the prevalence of psychiatric disorders in elderly persons attending the outpatients department in GHMC

**Method:** Study was conducted in Out-Patients in GHMC over 6 months and total of 180 patients aged 60-years and above was enrolled. Based on analysis prevalence rates were obtained.

**Results:** Among the 180 patients, female patients [50.55%] the male patients (49.37%) A majority of our patients were from the 60-70 years age group [82.00%] prevalence of illness was:

**Dementia** – 56.11% **psychosis** – 16.66% **mood disorders**– 12.77%, **GAD** [1.66] **others**– 7.2%

**Conclusion:** The study showed a high prevalence of dementia followed by psychosis, mood disorders in the elderly persons who attended GHMC

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### I. Introduction

The life expectancy in India has almost doubled from 32 years in 1947 to 63.4 years in 2002<sup>[1]</sup>. There is an increased proportion of older people in the total population. Mental disorders influence decisions as to whether or not physical illness can be managed at home, the capacity for self-care and the ability to perform daily tasks of life, cause burden upon family members. The World Health Organization (WHO) predicts that by 2025, about 75% of the estimated 1.2 billion people aged 60 years and older will reside in developing countries.<sup>[2]</sup> The rate of growth will be the highest (around 336%) in India. The prevalence of dementia is increasing worldwide with population ageing, yet treatments are generally ineffective at slowing progression<sup>[15][16]</sup>. Evidence increasingly supports the terminal course of dementia and requirements for higher levels of care in the later stages of the condition<sup>[17]</sup>. Various urban and rural studies have shown varying rates of dementia prevalence<sup>[3-7]</sup>. Few hospital based studies have been conducted. The present study was undertaken to know the pattern of various common diseases for which the elderly patients sought medical attention in a psychiatric out-patients department in the setting of a tertiary care hospital.

### II. Aims and Objectives

To study different types of psychiatric illness in geriatric population attending outpatient in government

### III. Materials and methods

Data of diagnosis of patient aged 60 years and above was collected from outpatient department of government hospital for mental care from December 2015 to may 2016.

### IV. Results

#### Sample characteristics

180 patients were enrolled in this 6 months study with the ages of the patients ranging from 60 to 80 years. Patients from the 60-70 years age group [82.00%] and from 70-80 [57.6%]. The overall number of males and females was almost equal [89 (50.55%) males and 91 (49.37%) females]

#### Prevalence of psychiatric illness

Out of 180 sample about hundred and one members showed cognitive defects [56.11%], thirty cases psychosis [16.6%], twenty three cases mood disorders [12.77%] of which fourteen were of depression [7.77%] and bipolar mania nine cases [5.11%], three [1.66] cases generalized anxiety disorders. Other conditions [7.22%]

<b>Dementia</b>	<b>56.11%</b>
<b>Psychosis</b>	<b>16.66%</b>
<b>Mood disorders</b>	<b>Depression 7.77%</b>
	<b>Mania 5.11%</b>
<b>Generalized anxiety disorders</b>	<b>1.66%</b>
<b>Others</b>	<b>7.22%</b>

## V. Discussion

The current study has shown the average age of patients attending geriatric clinic to be between the age group 60 to 70 years with nearly equal sex distribution that is male [49.37%] and females [50.55%] while few other studies showed more male preponderance than females (bhogale et al, gupta s et al). In this study prevalence of dementia was found 56.11% which shows greater prevalence than other hospital based studies<sup>[8-10]</sup> which may be more awareness among people there by seeking help by psychiatrists. It can be also may increased cognitive impairments in recent trends than previous times which may need attention. Prevalence of psychosis 16.6% similar to prevalence from various hospital OPD-based studies which vary between 17 and 33%.<sup>[11-13]</sup>

Depression was present in 7.77% of the population which showed lesser prevalence than other studies<sup>[8][9][10]</sup> which may be as geriatric people are dependent and until it cause significance burden on care givers it may not seek medical attention. It can also because of a wrong belief that it is a part normal aging (Katz and Alexopoulos, 1996). Only 5.1% had a diagnosis of bipolar mania. In the present study, 1.6% of the persons had Generalized anxiety disorders. Most Indian researchers reported a low prevalence of anxiety disorders in the elderly population.<sup>[14][15]</sup>

## VI. Limitations

Small sample size and short duration of the study.

## VII. Conclusion

The prevalence of psychiatric morbidity showing a trend for increase in prevalence for cognitive impairment with advancing age. The most prevalent psychiatric disorder in our study was dementia (56.11%), followed by psychosis, depression.

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