

Adherence using General Medication Adherence Scale (GMAS) in





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Introduction



- About 50% of chronically ill patients do not take medicines as prescribed WHO report
- Cost of medication non-adherence :
 - estimated as \$289 billion/yr
 - highly ignored area in assessing medication non adherence
 - incorporated in GMAS
- GMAS
 - self report based scale for measuring medication adherence
 - 3 components Patient Behaviour
 Comorbidity with pill burden
 Cost



Aim & Objectives



Aim

 To assess Prevalence of medication non-adherence and its relation with Prescription quality

Objectives

- To conduct prescription analysis using validated checklist
- To study medication adherence and causes of Non-adherence using GMAS
- To study correlation between medication adherence and prescription analysis



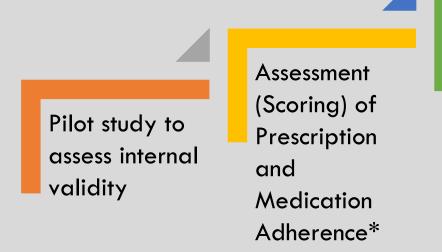
Materials and Methods



Comparative

Analysis

- Study Design Cross-sectional
- Sample Size 29; although 150 samples
 were studied
- Study Place Tertiary Care Hospital at Pune
- Study Population OPD Patients
 - Exclusion criteria Paediatric patients and patients unwilling to participate in the study



*Reference: WHO-Guide to Good Prescribing -WHO/DAP/94.11 & MoHFW- Prescription Audit guidelines

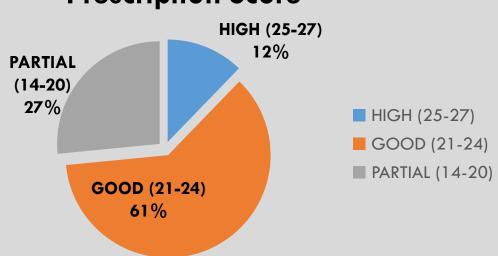




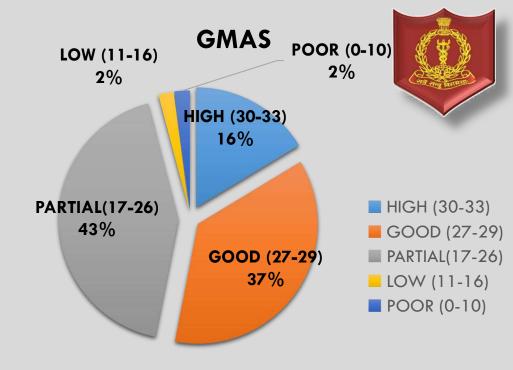
Results



Prescription Score



All Prescriptions lacked	Capital Writing & Allergy status of patient
Adm related prescription error	Nil
Therapeutic duplication	Nil
Proprietary/trade names	42.90%
Follow-up not mentioned	54.2%
Poly-pharmacy	20.40%
Drug Interaction	12.2%
Medicines Prescribed NA in hospital	24.5%

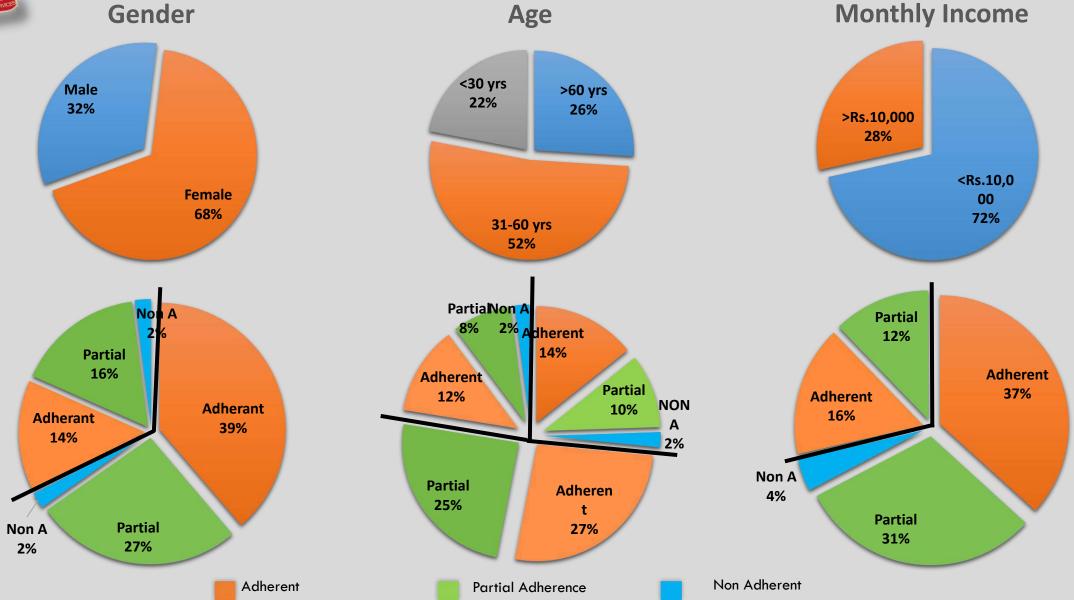


Cost Related Non-adherence	16.3%
Pill Burden Associated Non- adherence	6.1%
Patient Behavior Related Non- adherence	4.1%



Results: Demographics







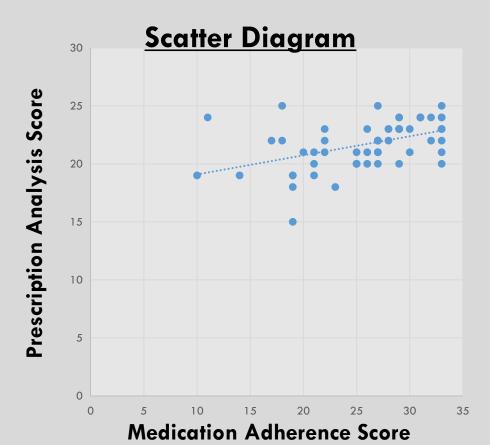


Moderately positive correlation between adherence score and prescription audit score (r=0.63; C.I (95%)=0.53-0.71) P-value= <0.0001

Comparative Analysis



Adherence score — Prescription score





Take Home Message



 Moderately positive correlation between Medication adherence & Prescription quality

 Tool developed for grading of Prescription Quality can be utilized to compare it with GMAS in other studies too

 Can assess causes of medication non-adherence and take measures to minimize the causes that are under our control like cost related nonadherence, pill burden associated non-adherence





Thank You