

Dissertation Presentation On

"A STUDY ON TIME TAKEN FOR INITIAL ASSESSMENT OF IN-PATIENTS BY NURSES AT MEDANTA HOSPITAL, LUCKNOW"



Presented by:

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HIGHLIGHTS:



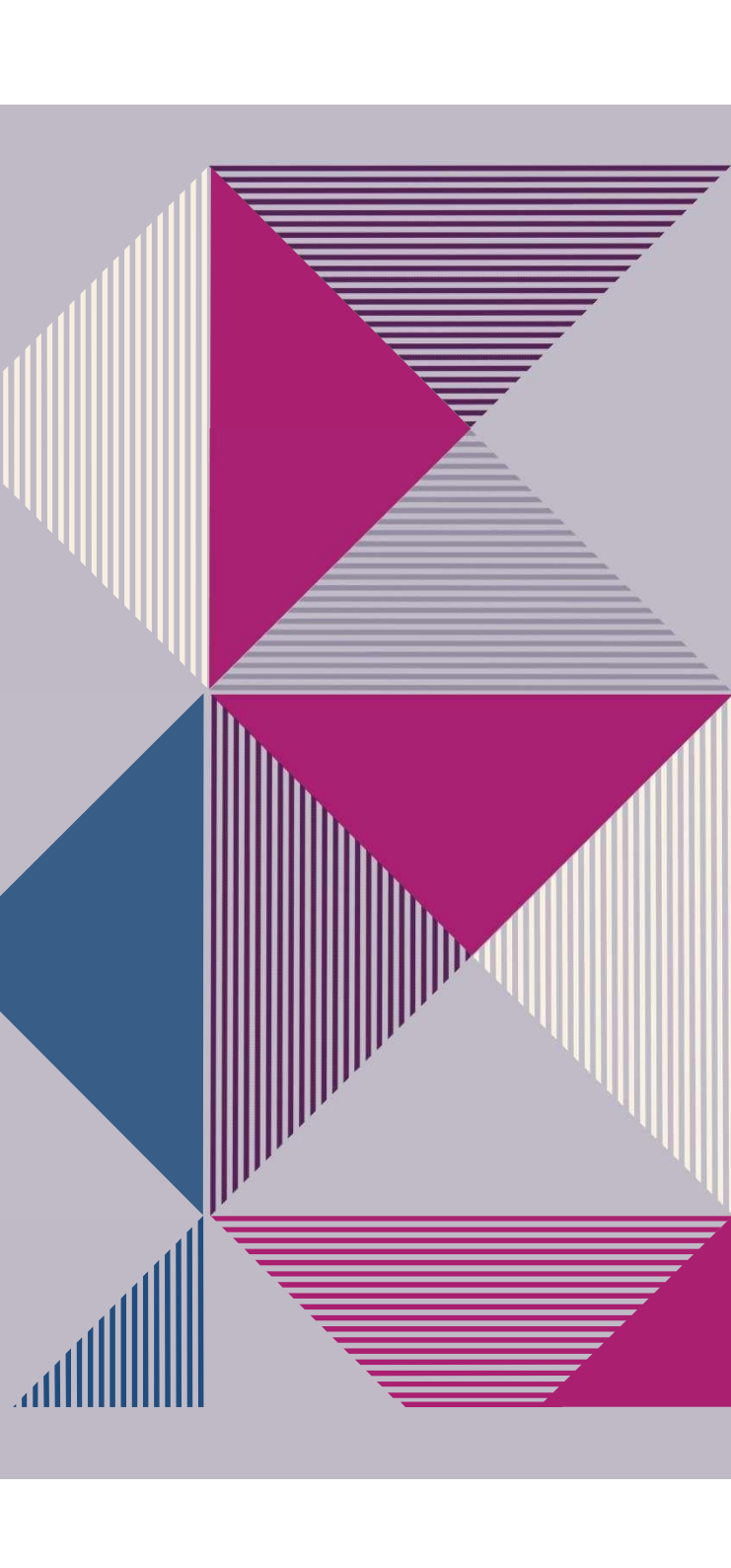
- 1. What is Nursing Initial Assessment?**
- 2. Why is it important?**
- 3. Methodology of the study.**
- 4. Results of the Study.**
- 5. Conclusion and Discussion.**

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WHAT IS NURSING INITIAL ASSESSMENT



- ❑ Initial assessment of inpatients in any healthcare organization is an essential stage in order to provide high-quality healthcare services and marks the very first interaction between the patient and healthcare providers.
- ❑ The first person to engage with patients and gather essential information that aids in the evaluation process is a **"Nurse"**.
- ❑ So, ***"A nursing initial assessment refers to the first comprehensive evaluation performed by a nurse when a patient is admitted to a healthcare facility or begins receiving nursing care. It is a systematic and thorough process that aims to gather essential information about the patient's health status, medical history, and immediate healthcare needs."***
- ❑ The nurse typically collects data through various means, including direct observation, interviewing the patient or their family, reviewing medical records, and conducting physical examinations.



❑ The assessment encompasses several key areas, such as:

1. Biographical data.
2. Medical history
3. Family history
4. Review of systems
5. Physical examination
6. Psychosocial assessment
7. Functional assessment

❑ According to the Key performance indicator (KPI) of **NABH 5TH Edition**, the time taken for the Initial assessment of inpatients is determined by the "*Sum of time taken for the Initial assessment to the total number of admissions in 30 days.*"

❑ The amount of time needed for the evaluation, however, may differ based on variables including hospital procedures, patient acuity, and resource availability.'

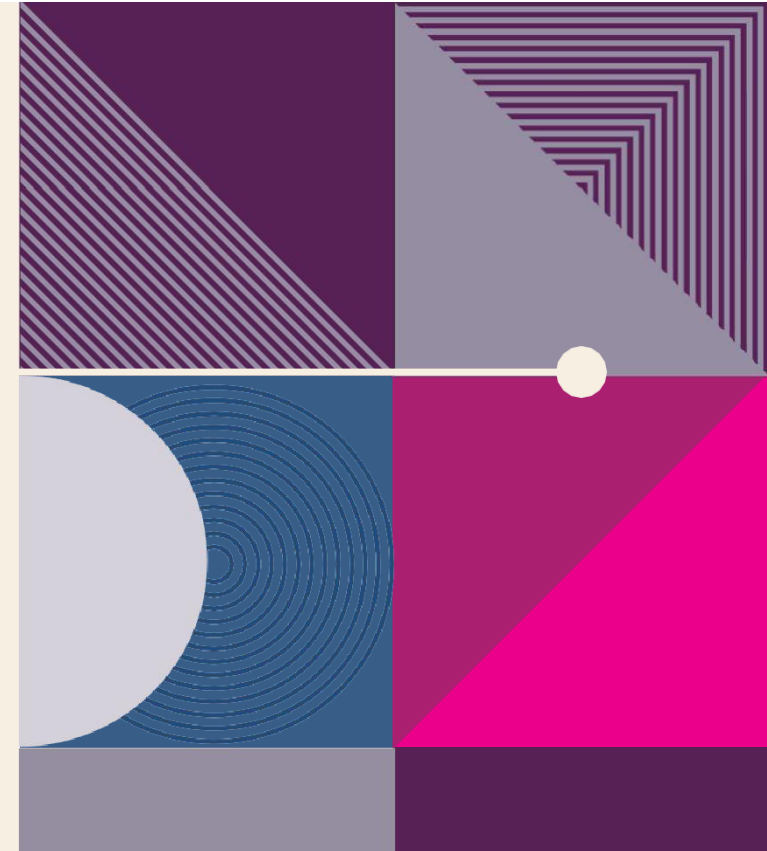
❑ In Medanta Hospital, Lucknow, the KPI of the Nursing Initial Assessment was **60 minutes**.

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WHY IS **NURSING** INITIAL ASSESSMENT IMPORTANT?



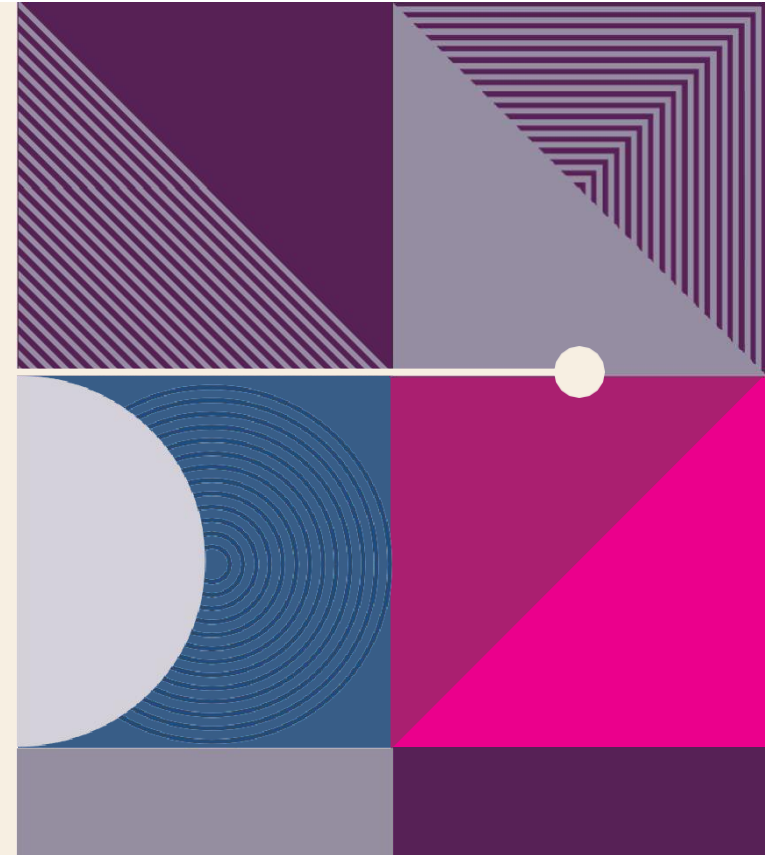
- ❑ The initial assessment helps nurses identify any immediate health concerns, establish a baseline for future evaluations, and develop an individualized care plan tailored to the patient's needs.
- ❑ The assessment also serves as a basis for ongoing monitoring and re-evaluation throughout the patient's healthcare journey.
- ❑ Reasons for Importance in Health care setting:
 - i. **Establishing baseline data** : By collecting comprehensive data about the patient's medical history, current symptoms, and physical examination findings, nurses can compare and monitor changes in the patient's condition over time.
 - ii. **Identifying immediate healthcare needs**: This includes recognizing signs of distress, instability, or complications that may demand prompt medical intervention or referral to other healthcare professionals.
 - iii. **Individualizing care** : By gathering comprehensive information about the patient's medical history, social circumstances, and psychosocial factors, nurses can consider these aspects while planning and implementing care.



iv. **Detecting potential risks and complications**: By recognizing underlying health issues, allergies, or medication interactions, nurses can take appropriate precautions and prevent adverse events.

v. **Facilitating communication and collaboration**: The information collected during the initial assessment serves as a basis for sharing important details with the interdisciplinary healthcare team, fostering continuity and consistency in patient care.

vi. **Supporting decision-making**: The initial assessment provides crucial data that help nurses make informed decisions regarding the patient's care. By thoroughly evaluating the patient's condition, nurses can identify priorities, set realistic goals, and select appropriate nursing interventions.



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METHODOLOGY OF THE STUDY





To evaluate the length of time required for the initial assessments of inpatients by nursing staff at Medanta Hospital in Lucknow, identify the causes of assessment process delays, and design methods to shorten the duration of Initial assessment.

? RESEARCH QUESTION

1. How long does it take for the nurses to conduct the inpatients' initial assessments?
2. What are the factors that significantly contribute to the delay in initial assessment by nursing staff?





OBJECTIVES

1. To assess the current time for Initial Assessment of Inpatients by Nursing staff in Inpatient department.
2. To identify all those factors that significantly contribute to the delay in initial assessment by nursing staff.
3. Developing and implementing an intervention that will reduce the time spent on initial assessments by nursing staff in Hospital.
4. Evaluate the effectiveness of the intervention in reducing the time it takes for nursing staff in inpatient departments to conduct initial assessments.
5. Identify challenges encountered while implementing the intervention and suggest strategies for overcoming them.
6. Recommend strategies for reducing the time of initial assessment by nursing staff in patient departments.





MATERIALS AND METHOD

- **Study Design:**
Observational Study Design –Cross-Sectional Study.
- **Setting:**
Medanta Hospital, Lucknow, India.
- **Inclusion criteria:**
All elective in-patient admissions.
- **Exclusion criteria :**
Emergency, daycare, dialysis, and chemotherapy admissions



- **Duration of the study:** 3 Months (March –May 2023).
- **Sample Size:**
Data were taken from three hundred and one admissions.
- **Sampling Technique:**
Simple Random Sampling was used for the conduction of this study.
- **Data Collection Procedure:**
Illustrated below is the procedure for data collection.

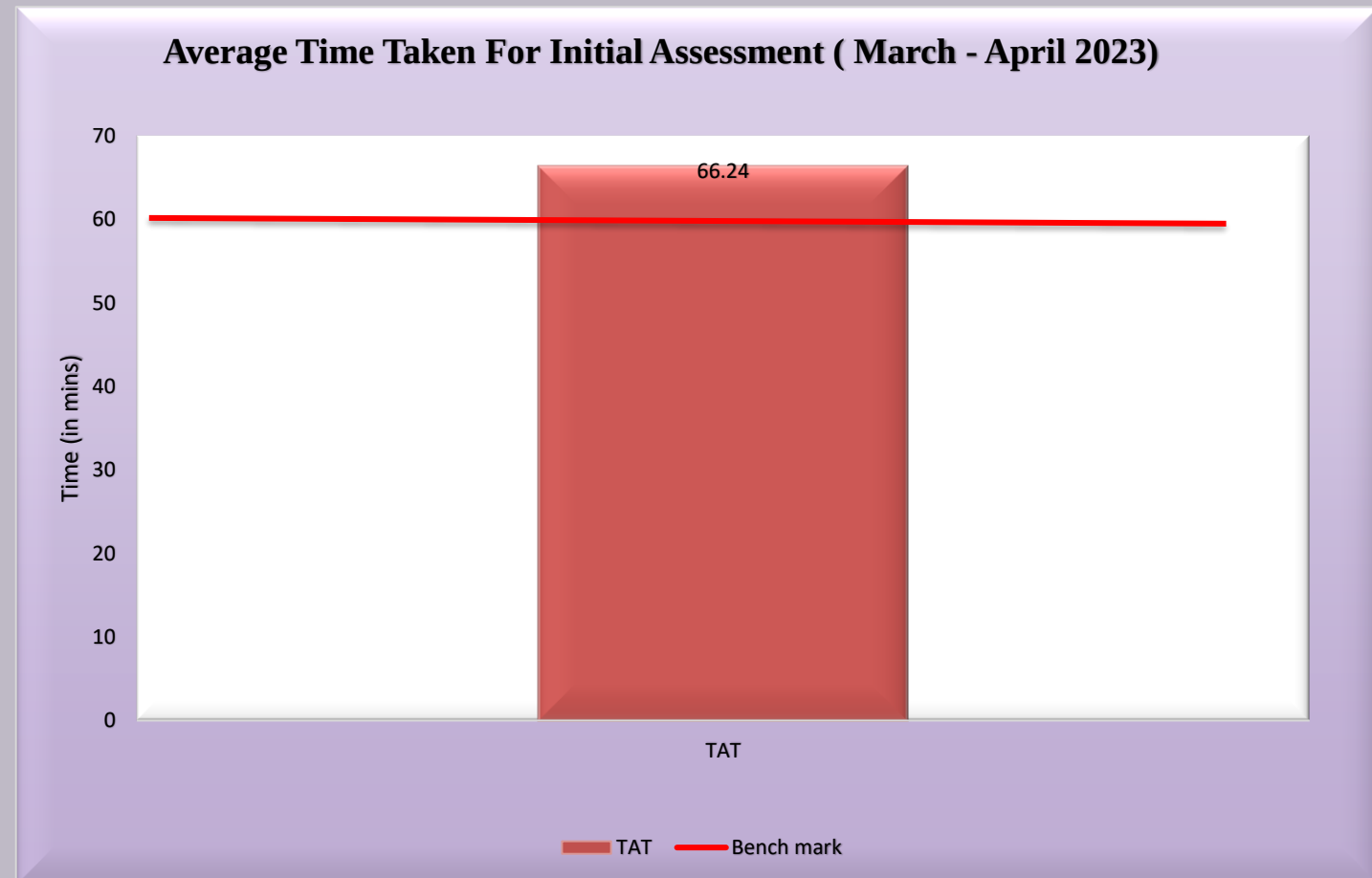


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RESULTS OF THE STUDY



Objective I. To assess the current time for Initial Assessment of Inpatients by Nursing staff in Inpatient department.



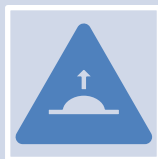
Objective I. To assess the current time for Initial Assessment of Inpatients by Nursing staff in Inpatient department (Continued)



A total of **140 patients were included** in the study, with data collection beginning on March 10th 2023 – April 10th 2023



It was found that the average Turnaround Time (TAT) of initial assessment was **66.24 minutes** for the initial assessment, is 6 minutes 24 seconds above the KPI of the Hospital.



This implies that the assessment process is delayed suggesting potential issues or inefficiencies within the current workflow

Objective II. To identify all those factors that significantly contribute to the delay in initial assessment by nursing staff.

Staffing Shortages

High Patient Acuity

**Workflow and
Prioritization**

**Communication
and Handoff
Issues**

**Emergency
Situations:
Inadequate Training
or Competency :**

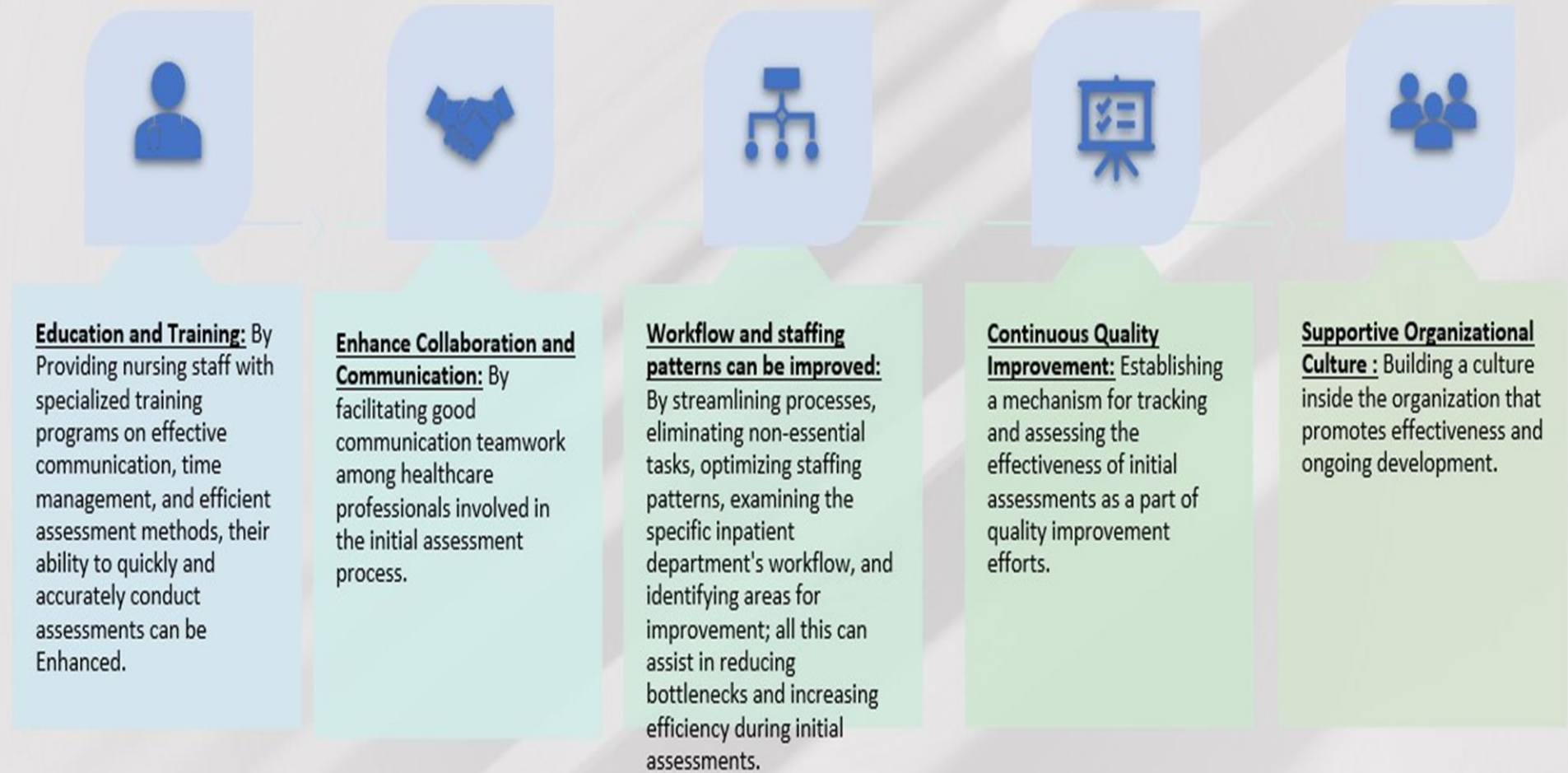
**Patient-related
Factors**

**Resource
Constraints**

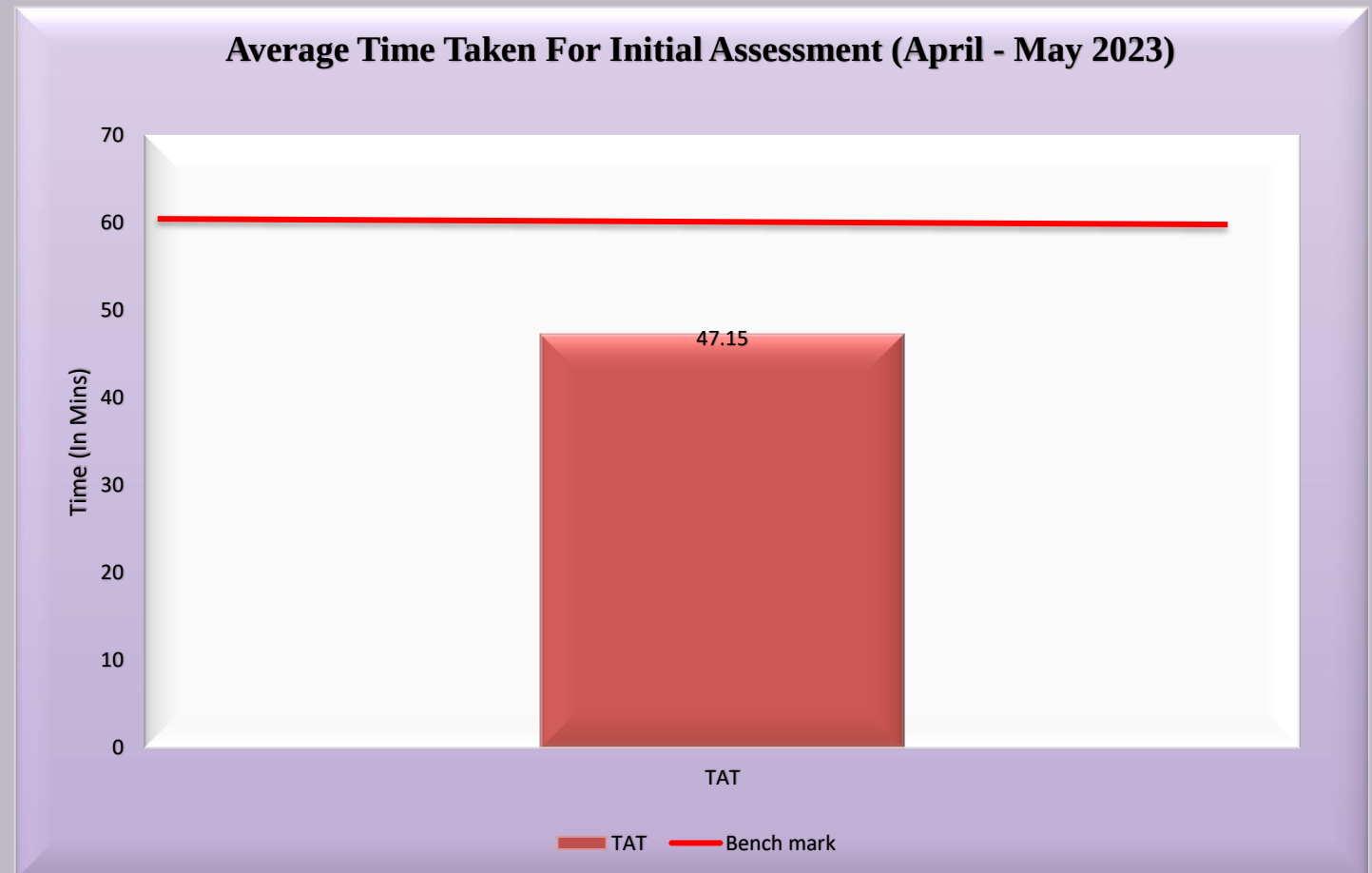
**Organizational
Culture and
Priorities**

External Variables

Objective III. Developing and implementing an intervention that will reduce the time spent on initial assessments by nursing staff in Hospital.



Objective IV. Evaluate the effectiveness of the intervention in reducing the time it takes for nursing staff in inpatient departments to conduct initial assessments.



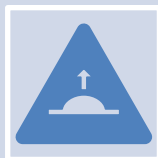
Objective IV. Evaluate the effectiveness of the intervention in reducing the time it takes for nursing staff in inpatient departments to conduct initial assessments (Continued)



A total of **170 patients were included** in the study, with data collection beginning on April 15th – May 25th 2023

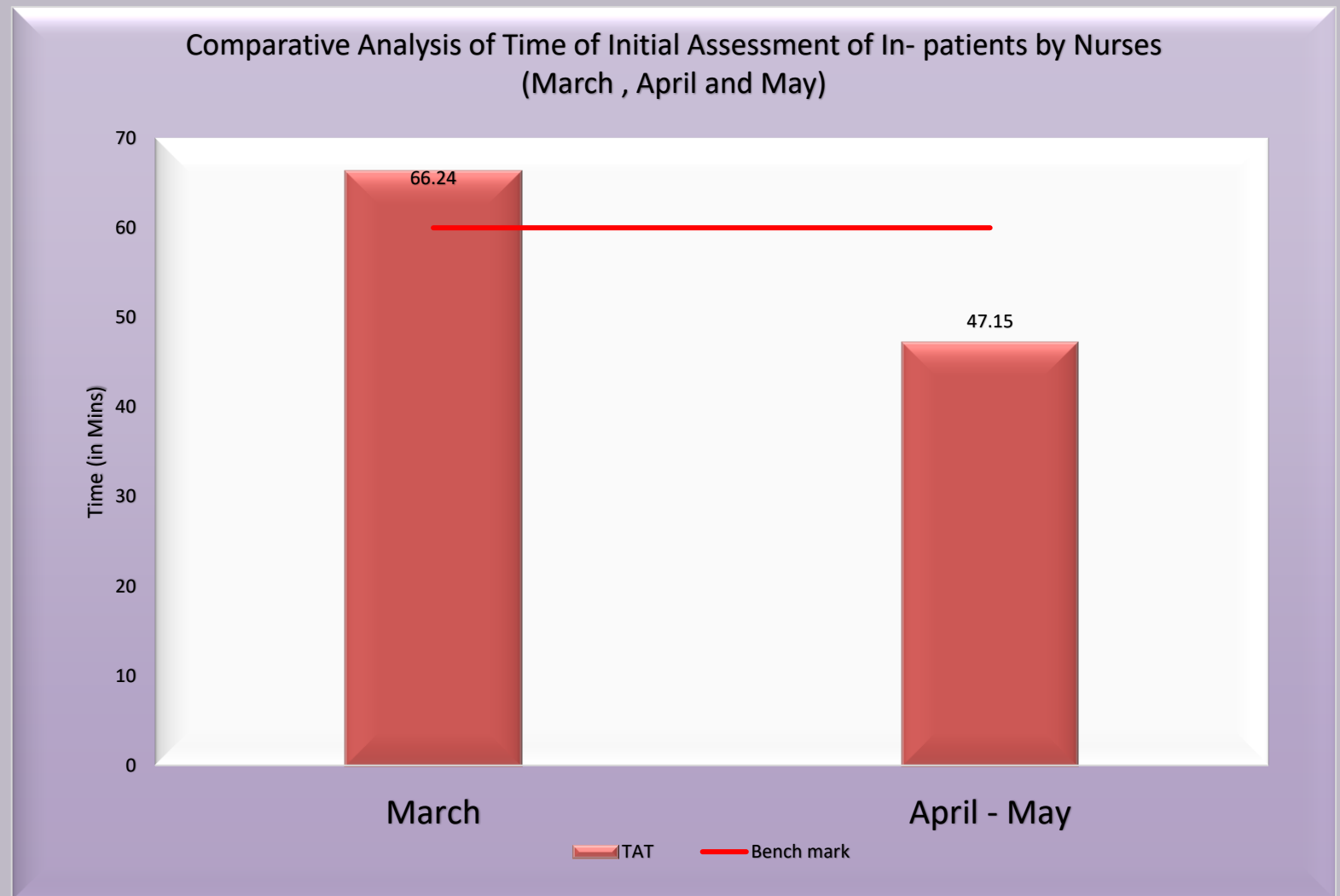


It was found that the average Turnaround Time (TAT) of initial assessment was **47.15 minutes** for the initial assessment which is 6 within the KPI of the Hospital.



This implies that the intervention had a positive outcome on the initial assessment process indicating optimized utilization of nursing resources and enhanced patient safety.

Comparative Analysis





The comparative analysis of Initial assessment done during the dissertation period. It is observed that a significant reduction in the time taken for the initial assessment of inpatients took place after the implementation of interventions.



In the initial period, during March until April 10th, the average time for the initial assessment was 66 minutes and 24 seconds. However, after the application of interventions such as training and other measures, there was a notable improvement in the assessment time.



In the subsequent period, from April to May, the average time for the initial assessment decreased to 47 minutes and 15 seconds. This reduction in assessment time indicates the positive impact of the interventions implemented during the study.



The specific interventions applied, such as training programs, workflow optimization, or other strategies, played a crucial role in streamlining the assessment process and reducing the time required for the initial assessment.

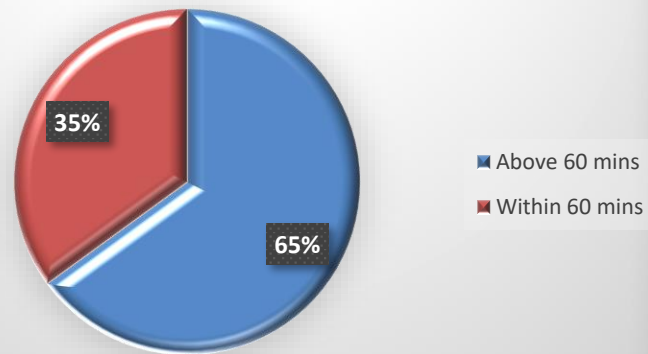


These findings suggest that interventions aimed at improving efficiency, enhancing nurses' skills, and optimizing workflow can lead to substantial improvements in the time taken for the initial assessment of inpatients. By implementing these interventions, healthcare facilities can ensure timely assessments, facilitate prompt interventions, and ultimately enhance patient outcomes.

Comparative Analysis (Continued)

Percentage Compliance of Initial Assessment of In- patients by nurses

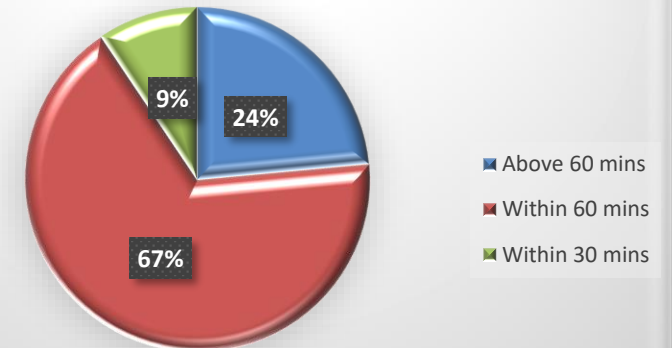
(Before Intervention)



Total number of In patients	Above 60 minutes (in number)	Within 60 Minutes (in number)
140	91	49

Percentage Compliance of Initial Assessment of In- patients by nurses

(After Intervention)



Total number of In patients	Above 60 minutes (in number)	Within 60 minutes (in number)	Within 30 minutes (in number)
170	40	114	16

Objective V. Identify challenges encountered while implementing the intervention and suggest strategies for overcoming them.

Data Collection and Monitoring

Resistance to Change

Resource Limitations

Time Constraints

Staffing and Workforce Issues

Communication and Coordination

Sustainability

External Variables



Objective V. Identify challenges encountered while implementing the intervention and suggest strategies for overcoming them(Continued)

Effective Communication

Address any concerns or misconceptions that the nursing staff might have and connect with them in the dynamic cycle

Inclusion and Collaboration

Include the nursing staff in the development and implementation of the intervention to encourage ownership and buy-in.

Training and Education

Provide comprehensive training and education on the intervention, including its rationale and benefits.

Prioritization

Priority should be given to resources that have a greater chance of significantly improving patient outcomes and assessment times.

Continuous Evaluation and Adaptation

Regular and Timely evaluation of the effectiveness and impact of the intervention on initial assessment time will help to identify any barriers or areas for improvement and adapt the intervention accordingly.

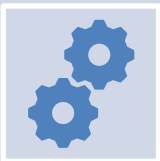
Objective VI. Recommend strategies for reducing the time of initial assessment by nursing staff in patient departments.



Standardize Initial Assessment Processes: Develop standardized protocols or guidelines for conducting the initial assessment. This increases consistency and streamlines the evaluation process. Include key elements to be evaluated, documentation requirements and completion time.



Implement Structured Assessment Tools: Use structured assessment tools or checklists to guide nursing staff in the assessment process. These tools help ensure that all important aspects are addressed efficiently, reducing the time spent on assessments.



Optimize Workflow and Staffing Patterns: Analyze patient department workflow and identify areas for improvement. Streamline processes, eliminate unnecessary steps and optimize staffing models to increase efficiency and minimize delays in initial assessments.

Objective VI. (Continued)



Enhance Communication and Handoff Processes: Establish effective communication channels and standardized handover procedures between shifts. Ensure that relevant patient information is clearly communicated and minimize the time spent gathering relevant information during the assessment.



Provide Targeted Training and Education: Provide training programs to improve the assessment, time management and communication skills of nursing staff. Address areas of improvement identified through performance evaluations or feedback.



Foster a Culture of Efficiency : Promote a culture of efficiency and continuous improvement in patient wards. Identify and celebrate initiatives that reduce assessment time. Encourage feedback and suggestions from nursing staff to identify further improvement opportunities.

Objective VI. (Continued)



Allocate Dedicated Assessment Time : Designate specific time slots or reserved time slots for initial assessments to minimize interruptions and distractions. This ensures that nursing staff can focus solely on assessment without additional competing demands.



Continuously Monitor and Evaluate : Continuous monitoring and evaluation systems for the initial evaluation period should be introduced. Review data regularly, identify trends or issues, and make necessary changes to optimize performance.

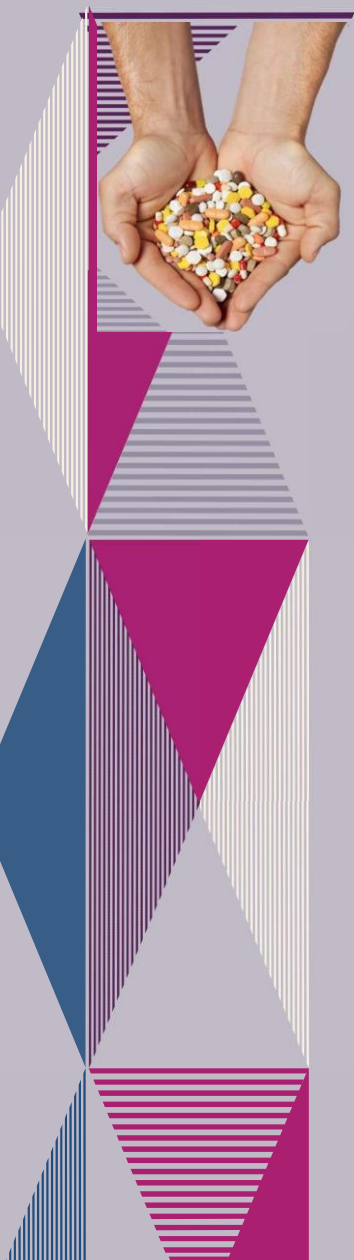


Foster Interdisciplinary Collaboration : Encourages collaboration and communication between the various health professionals involved in the assessment process. Promote a team-based approach to initial assessment using, leveraging the expertise of various disciplines.

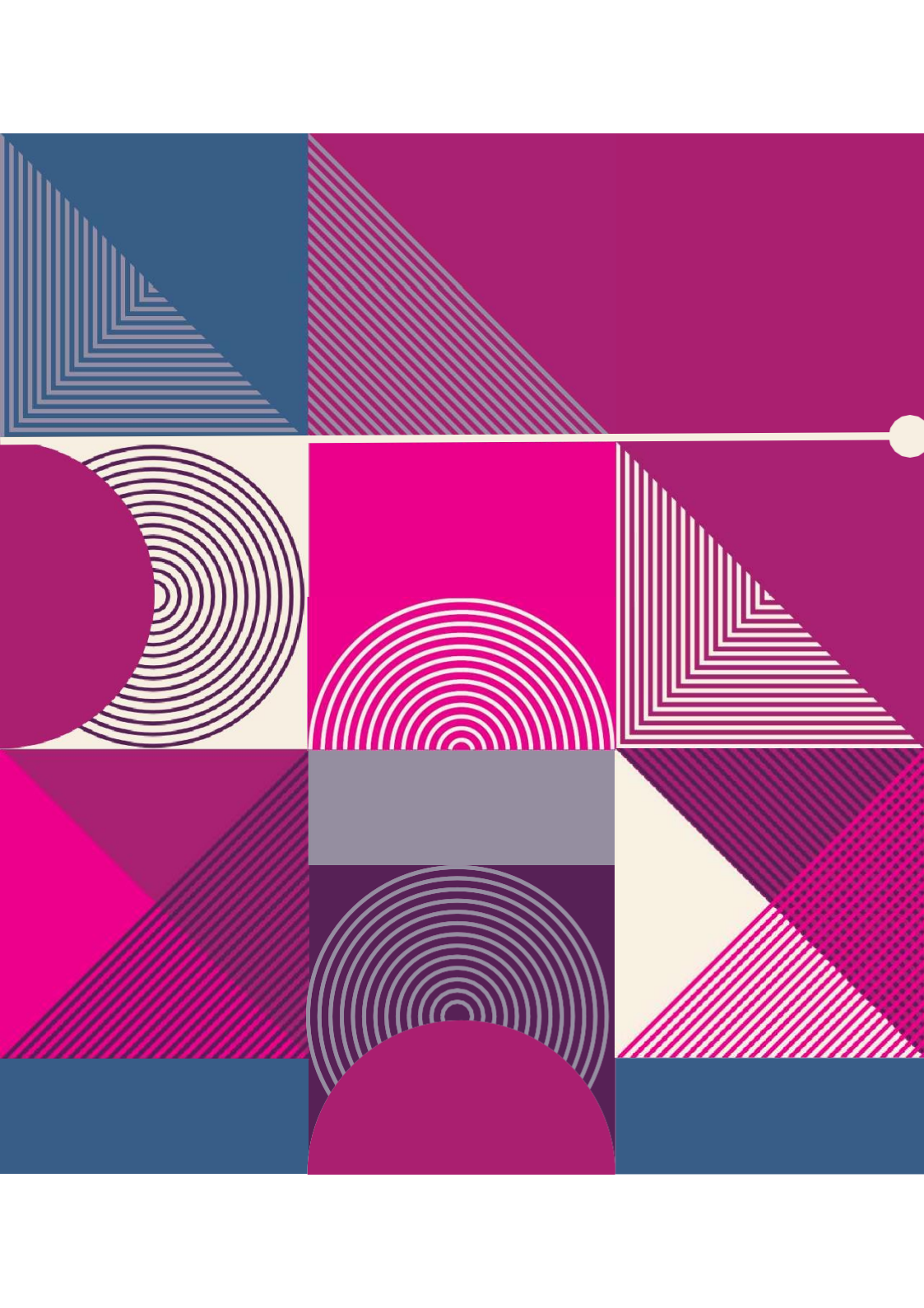
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CONCLUSION AND DISCUSSION





- The study identified the need for interventions to optimize efficiency and enhance patient care by addressing prolonged initial assessment times.
- The findings of the study **emphasize the importance of timely and efficient initial patient assessments** in healthcare settings.
- The study's pre- and post-intervention data demonstrate the **positive impact of the interventions**, with a significant increase in the number of patients assessed within the prescribed time limit. Achieving the benchmark of completing assessments within 30 minutes is a noteworthy achievement that aligns with key performance indicators in nursing initial assessment.
- Continued focus on quality improvement and implementation of further recommendations will be essential to realize the goal of a 30-minute assessment time. **Regular evaluation, feedback** from nurses and patients, and **monitoring** of assessment times will ensure sustained improvement and better healthcare outcomes.



THANK YOU

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