

SYNOPSIS

Study on turnaround time of patients in emergency department at Medcover hospital, Navi Mumbai

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1.INTRODUCTION

Emergency departments face increasing patient volumes and the need for rapid medical intervention, making the turnaround time a critical performance metric(1). The TAT, defined as the duration from a patient's arrival to their discharge or admission, impacts patient care outcomes, satisfaction, and departmental efficiency. High TATs can lead to crowded facilities, delayed medical procedures, and strained resources(2).

2.RESEARCH QUESTION

What are the factors that contribute to delay in turnaround time in emergency department, and how can these be reduced to improve the efficiency and patient outcomes?

3.OBJECTIVE

- To identify factors that contribute to delay in emergency department
- To analyze the process and identify stages where delays frequently take place
- To evaluate the impact of turnaround time on patient satisfaction

4.DATA ANALYSIS PLAN

Data will be analyzed to identify common causes of delays at various stages of the ED process. Descriptive statistics will be used to quantify the impact of these delays on TAT. Recommendations will be made based on identified bottlenecks, aiming to improve efficiency and patient care.

6.REFERENCES

1. Bernstein SL, Aronsky D, Duseja R, et al. The effect of emergency department crowding on clinically oriented outcomes. Acad Emerg Med. 2009;16(1)1-10. doi10.1111.txt.
2. Hwang U, McCarthy ML, Aronsky D, et al. Measures of crowding in the emergency department a systematic review. Acad Emerg Med. 2011;18(5)527-538. doi10.1111j.1553-2712.2011.01054.x.txt.