

Project: Analysis of Efficient Patient Flow in Operation Theatre

Background:

Optimizing Patient Flow is essential to deal with the impediments to timely and efficient flow of patients through acute care settings.

A structured approach to planning service delivery in the OT is required to optimize processes that impact on the whole of surgery pathway.

Objectives:

- To assess the efficiency of operation theatre functioning
- To track delays and cancellations
- To make recommendations for future improvement in maximizing output

Methodology:

Study Design- Cross sectional Descriptive study

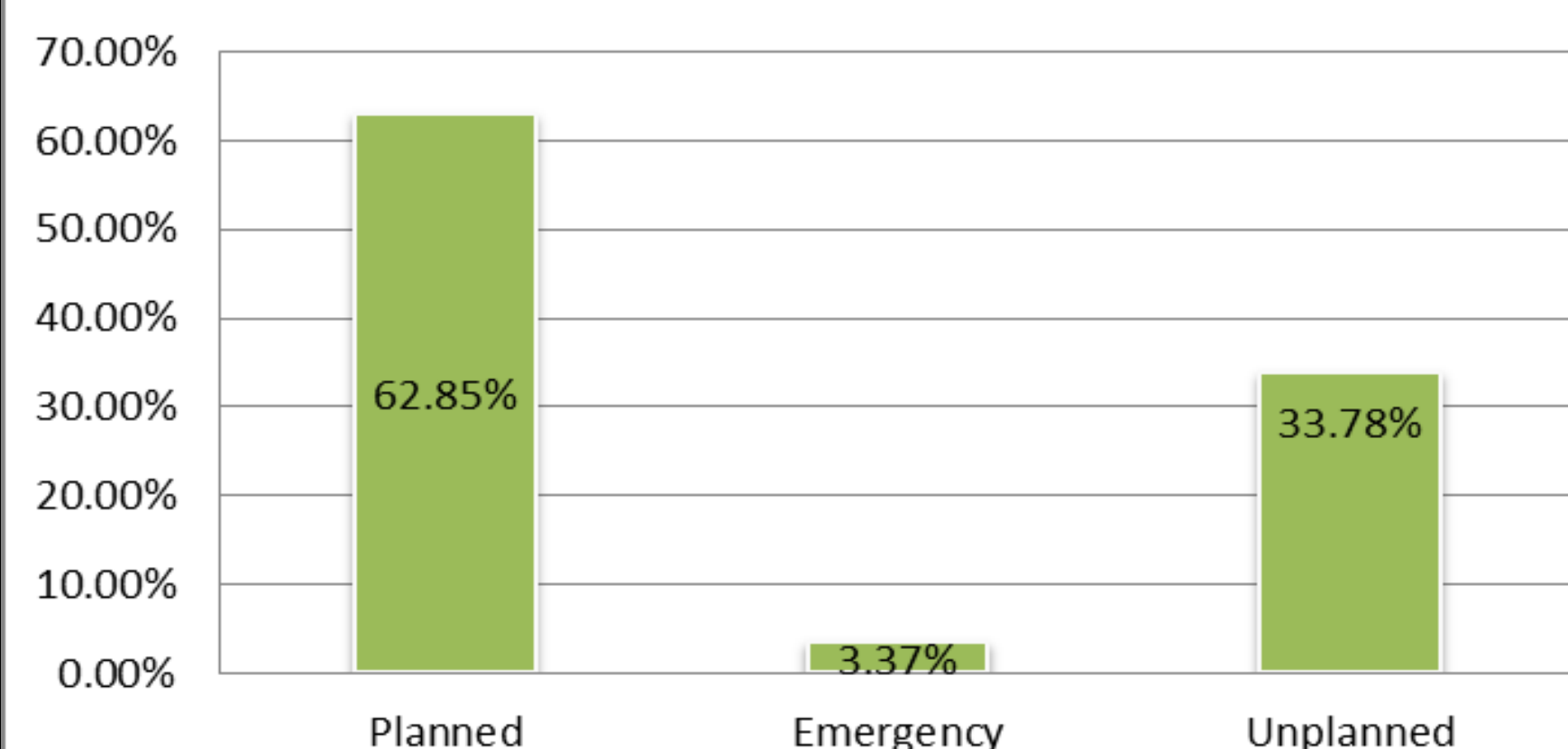
Study Area -Operation Theatre, Fortis Hospital, Noida

Sampling Method- Non Probability purposive sampling

Sampling Size-560 Planned Surgery cases

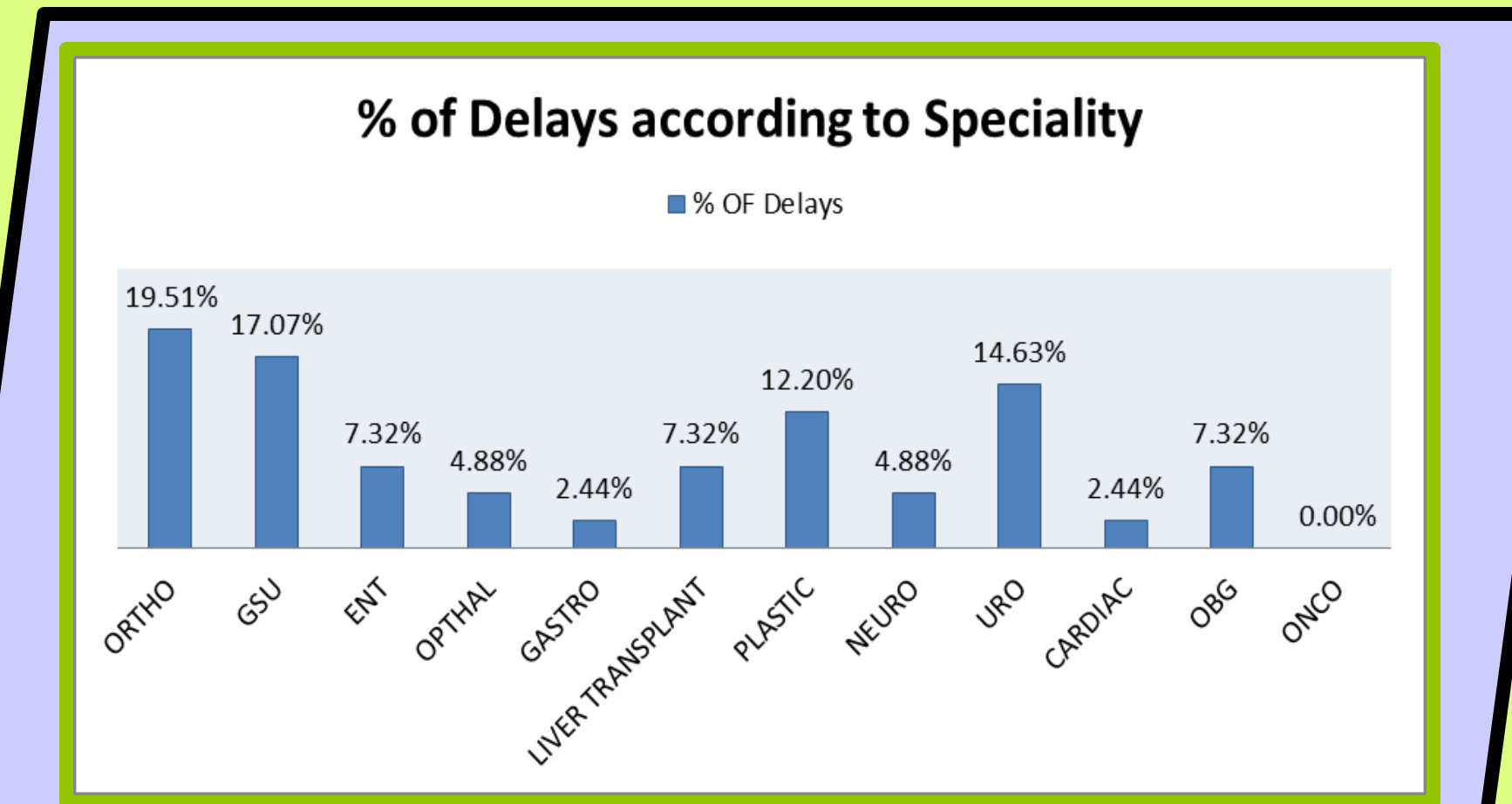
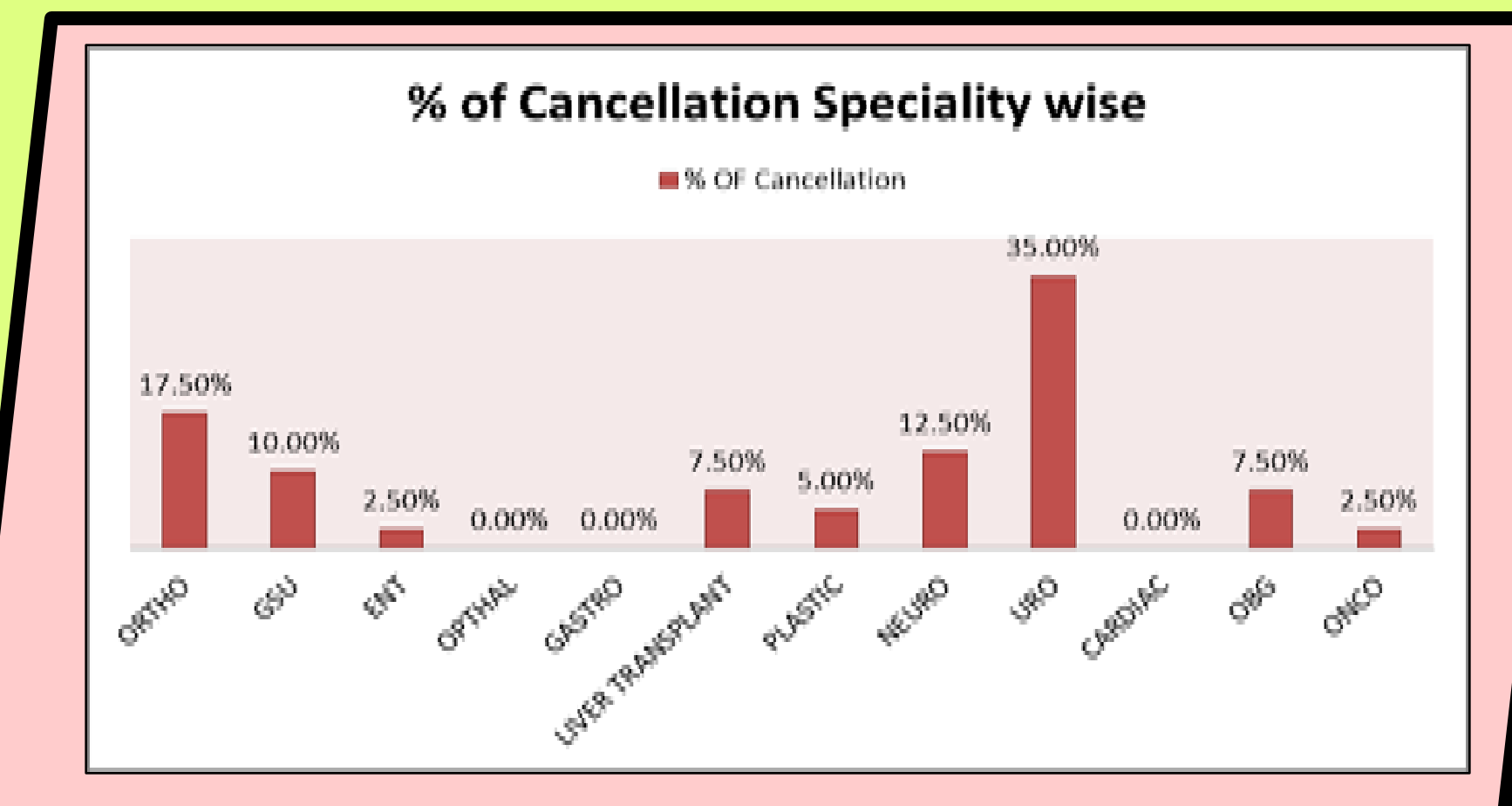
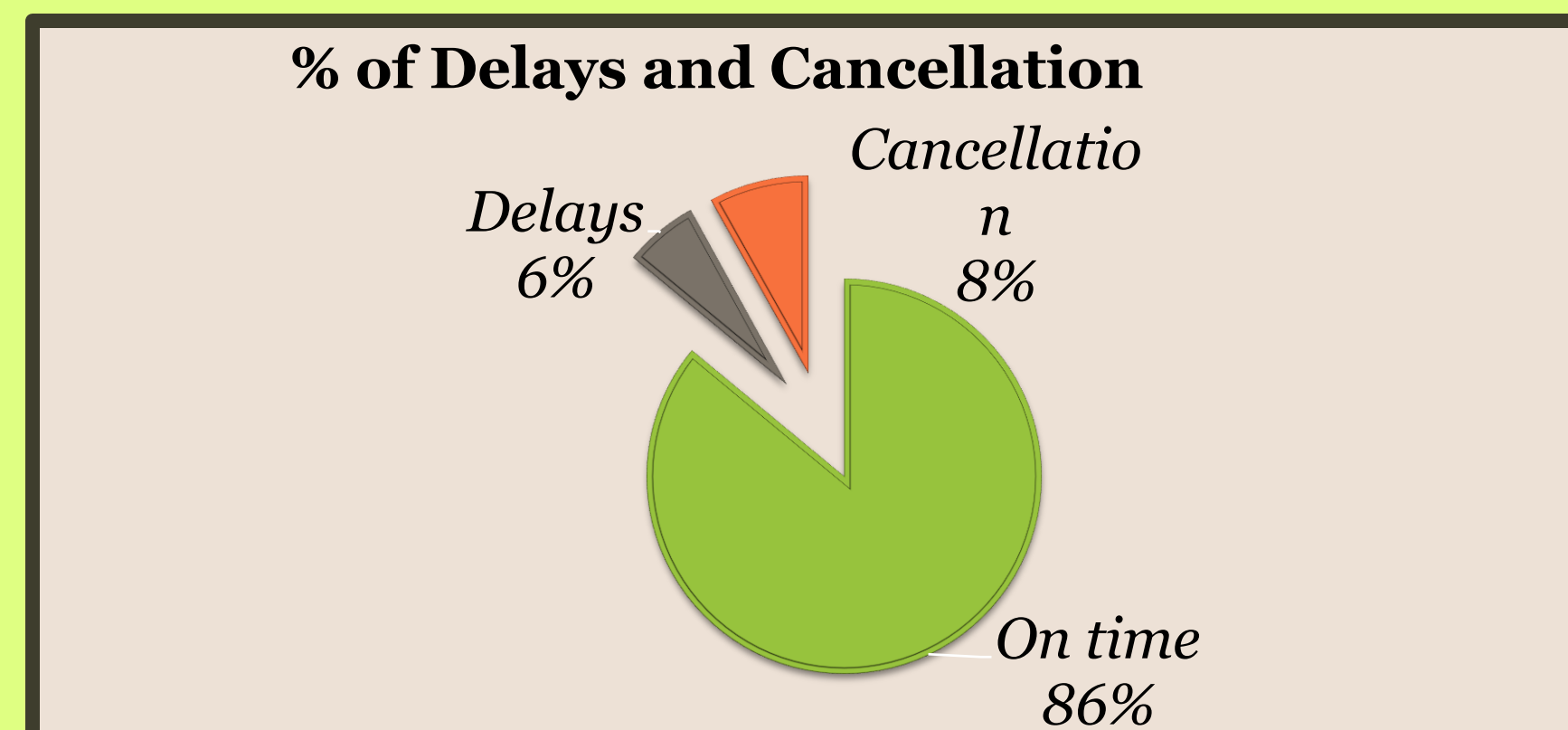


Break Up of Surgeries according to Planning



Findings

From 15th April-25th May 2016



Most of the reasons analyzed as the cause for delay and cancellation were:-

- 1.Maximum number of delays are because of **Surgeon is not on time**
- 2.Maximum number of cancellations are because of **patient not admitted.**
- 3.Maximum number of Delays are seen in **Orthopedics discipline**
- 4.Maximum Number of cancellations are seen in **Urology discipline.**

Recommendation:

Specific

- Preoperative clearance for orthopedic cases should be attained prior to the scheduling of surgery to avoid delays.
- Surgeons should be briefed and informed to reach OT at least half an hour before the scheduled time
- Patient centric approach should be taken by taking his/her medical history into account and suggesting investigations accordingly.
- Surgeons should counsel patient wisely plan the surgery to avoid cancellations
- Patients should be communicated well about the Pre-operative requirements to avoid any miscommunication and confusion.

General

- To avoid reasons of delays and cancellation pertaining to patient ,an OT checklist can be given to the patient which includes all the pre-operative guidelines which needs to be followed.
- Streamlining processes with wards and other units for smoothening patient flow and its coordination
- Efficient patient reception and communication should be done
- Continuous process improvement
- A pre admission testing program should proper communication of the guidelines