



# An Outlook on Day of Surgery Cancellations for Albany Medical Center, Main Campus: A Retrospective Investigation



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## INTRODUCTION

- Elective surgeries = hospital revenue <sup>1</sup>
- Dormant or inefficient operating rooms lose finances for hospitals <sup>2</sup>
- Cancelled surgeries are part of this loss <sup>3</sup>
- Patients and families suffer lost wages and time <sup>4</sup> and experience unnecessary stress from cancelled surgeries <sup>5</sup>
- Purpose of project: Explore day of surgery cancellations (DOS) at Albany Medical Center to determine the causes



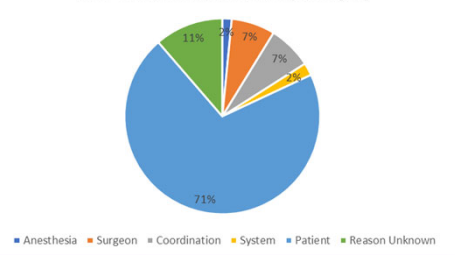
## DEMOGRAPHICS

- Outpatient surgeries
- 18 years or older
- Main operating room
- Monday to Friday
- Males and Females
- Exclusions include:
  - Inpatients
  - Non sites
  - Under 18
  - Weekends
  - Holidays

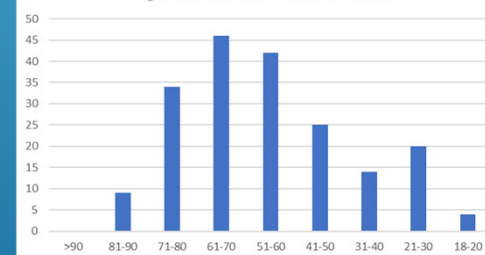
## RESULTS

- Total Cases 17,353 / Overall cancellations 194 = Cancellation Rate 1.1%
  - Males 113, Females 81

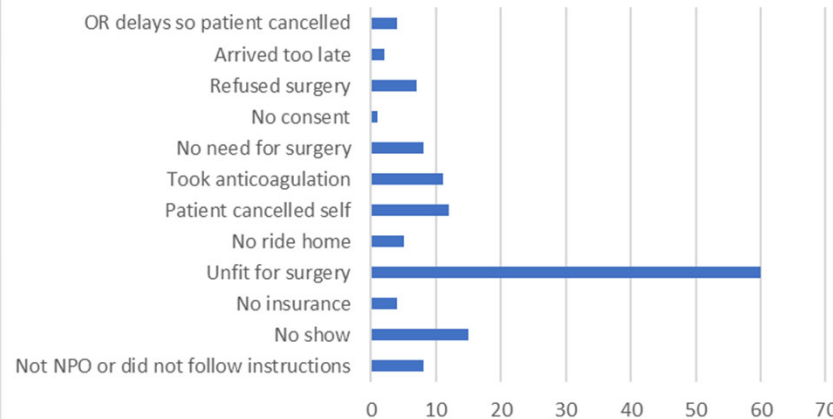
Total Overall Cancellations by Category



Age Breakdown for Cancellations



## Patient Related Reasons for Cancellations



## METHODS

- Study design: data collected prospectively, reviewed retrospectively
- Time frame: July 15, 2022 - December 31, 2023
- Data collection: by preoperative nurses when DOS cancellation occurred
- Data input into excel spreadsheet
- Data analysis: overall cancellation rate, cancellation by category, age, sex, and reason for cancellation, day of the week

## DISCUSSION

- Key Results:
  - 71% of cancellations = patient related
- Of the patient related cancellations: 44% were not fit for surgery, 11% did not show up, 9% the patient cancelled, 14% patient did not follow preoperative instructions (combines took anticoagulation and not NPO or did not follow instructions categories)
- Of the total 194 cancellations 9.7% did not follow instructions for cancellations
- Day of the week had no statistical significance for cancellations
- T-test sex and age = 0.037 - mean age of male 58.4 / females 53.2
- Limitations:
  - possibility of missing data – 22 cases had no information on cancellation reason and only 1.1% cancellation rate
- Information was not collected on total males/females receiving surgery during the study period
- Future of project:
  - Reducing day of surgery cancellations will be a challenge due to the limited number of preventable cancellations
  - With implementation of new EMR data may be easier to collect for an accurate cancellation rate and reason
  - Possibility for correction of 9.7% for those not following instructions preoperatively

## REFERENCES

