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Duncan Works

Ryan Higgins

Kaeli Samson

Jayme Dowdall

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# Describing the Course of Tracheostomy Placement for Intensive Care Patients

Patients Duncan Works<sup>1</sup>, Ryan C. Higgins, MD<sup>2</sup>, Kaeli Samson, MA, MPH<sup>3</sup>, Jayme R. Dowdall, MD<sup>2</sup>

## BACKGROUND

Tracheostomies are indicated for patients with prolonged ventilator dependence or airway obstruction.

Although a tracheostomy is an effective therapeutic procedure, the quality of life-related outcomes of Intensive Care Unit (ICU) patients undergoing the surgery can be unpredictable do not always align with expectations.

## RESEARCH AIM

### Specific Aim #1:

Analyze the specific Post-Tracheostomy Outcomes Based on Socioeconomic Factors, Hospital Course, and Medical Stability at Discharge

### Specific Aim #2:

Better Educate Families on Expected Timelines and Functional Outcomes Following Tracheostomy

## POST-TRACHEOSTOMY TIMELINE

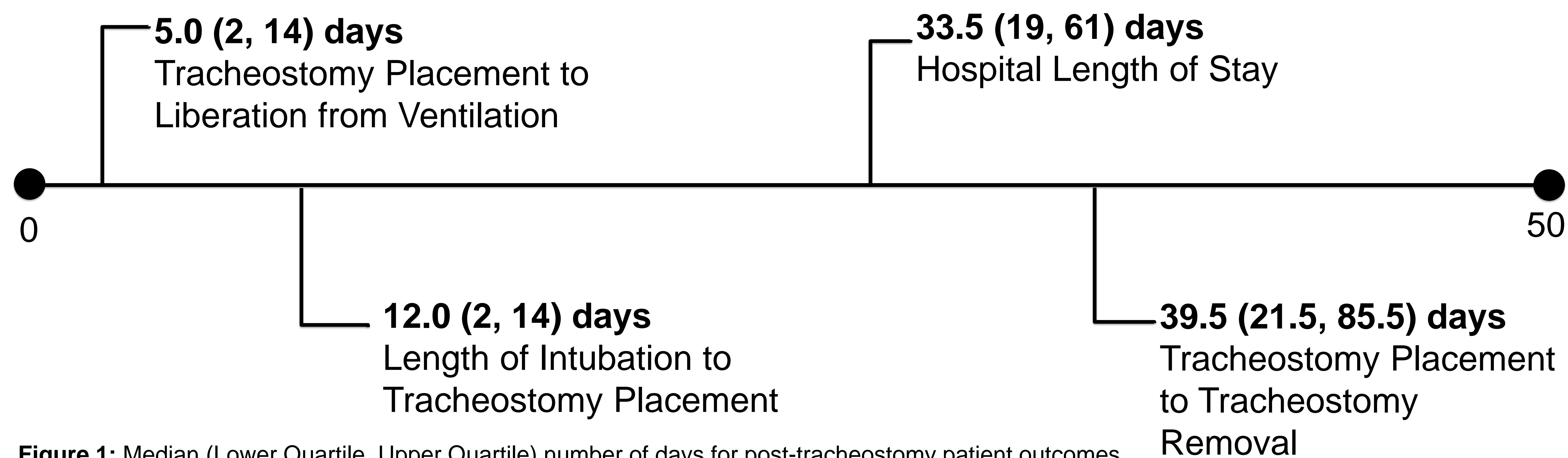
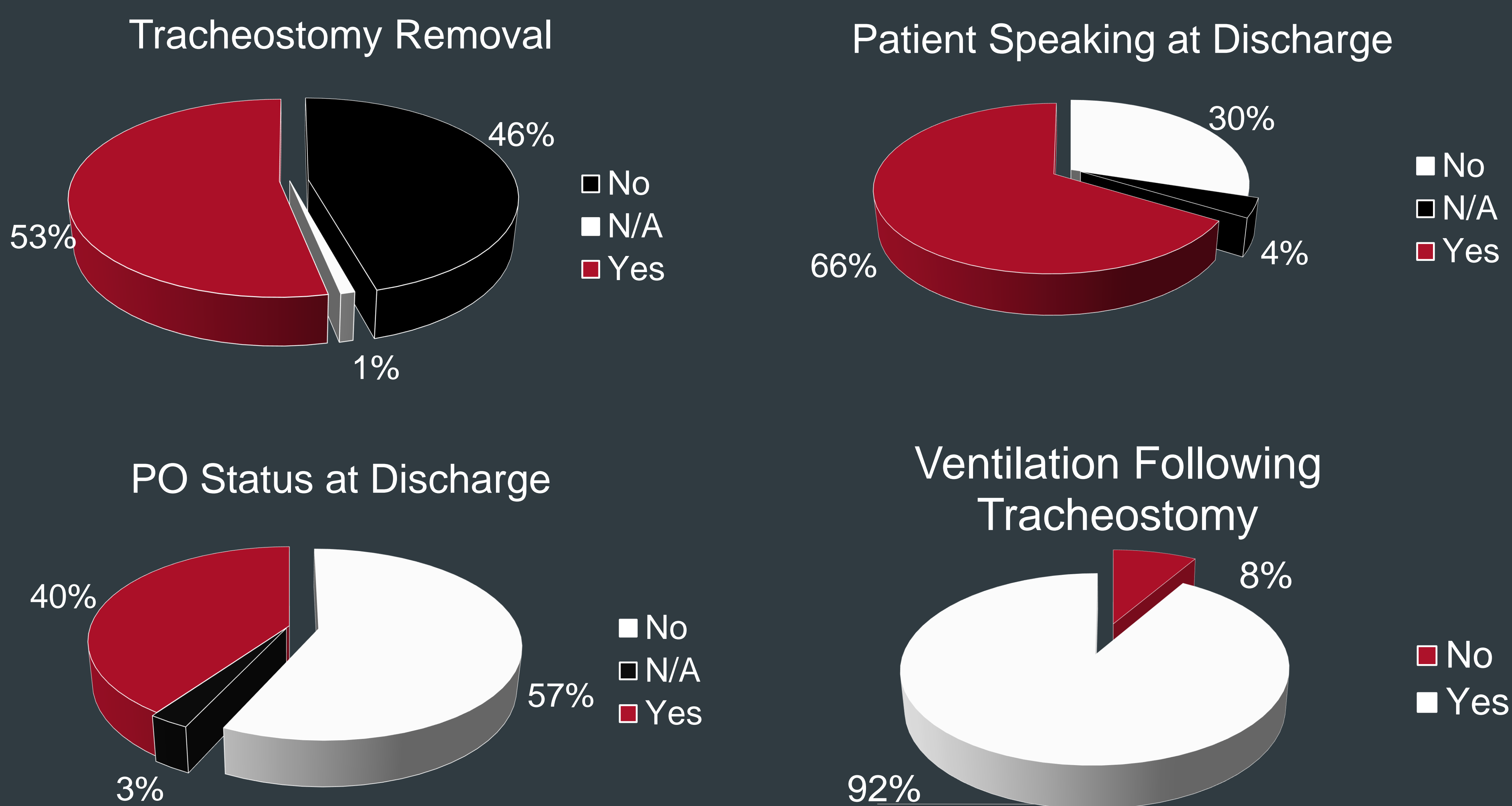


Figure 1: Median (Lower Quartile, Upper Quartile) number of days for post-tracheostomy patient outcomes.

## METHODS

A retrospective analysis was performed on 122 ICU patients who underwent a tracheostomy at a tertiary-care center between January 11, 2022 – March 30, 2023. Demographic variables, hospital course including tracheostomy and ventilator outcomes, and functional outcomes were assessed. Summarized data is presented as medians and interquartile ranges (IQRs).

## FINDINGS



## PATIENT DEMOGRAPHICS

- Gender:**
  - Male: 43.9%
  - Female: 56.1%
- Ethnicity:**
  - Non-Hispanic : 90.7%
  - Hispanic : 8.4%
- Primary Language:**
  - English : 90.7%
  - Spanish: 5.6%
  - Other: 3.6%
- Smoking Status:**
  - Former: 39.3%
  - Never: 39.3%
  - Current: 15.9%
  - Unknown: 4.7%
- Alcohol Usage:**
  - Never: 7.5%
  - No/Not Currently: 52.1%
  - Unknown: 13.1%
  - Current: 23.4%

## PATIENT ADMISSION SOURCE

