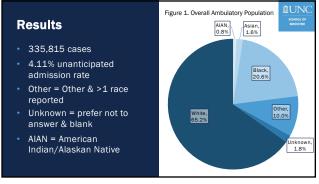




Introduction

- Surgical care: inpatient \rightarrow ambulatory (no hospital stay)¹
- Preference due to lower cost & efficiency²
- · Increasing use for sicker patients & more complicated procedures
- Unplanned admission after ambulatory surgery negates advantages3
- Study objective: Explore relationship of race & unplanned admission post-ambulatory surgery

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Results Overall association between race & unplanned admission was statistically significant (p<0.001) Table 1. Race & Unplanned Admission Unplanned Admissions/Total 149/2,821 Unplanned Admission Rate AIAN 5.3% 159/5,251 0.009 Black 5.0% 3.429/69.192 <0.001 1,733/41,619 0.003 Unknown 2.9% 173/5,933 0.001 3.9% 8.456/219.071

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Methods

- Retrospective analysis of ambulatory surgeries served by UNC Anesthesiology from July 2014 - June 2023
- UNC IRB #16-0950
- · Data Source: NC TraCS Institute
- Age, race, length of stay (LOS), ASA status
- Unplanned admission = LOS ≥1 day
- Same-day discharge = LOS 0 days
- Stratified by ASA status & Age group by decade (0-10, 11-20)
- χ^2 test & post hoc analysis were used to identify significant differences (p < 0.05, RStudio)
- Multiple tests were corrected with Bonferroni correction

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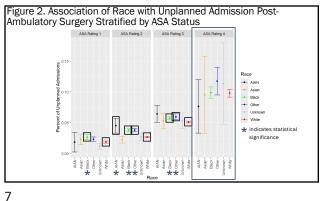
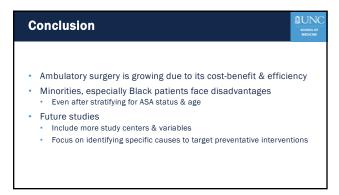


Figure 3. Association of Race with Unplanned Admission Post-Ambulatory Surgery Stratified by Age

Discussion Reasons for unplanned admission after ambulatory surgery are $\,$ multifactorial $^{2\text{-}4}$ Social: lack of escort or home support Organizational: surgery ending after 3pm, unscheduled procedure Surgical: surgery length & type, unanticipated surgical complexity, post-operative pain, fever, bleeding Anesthetic: dizziness, post-operative nausea & vomiting, inadequate level of consciousness, urinary retention Medical: age, comorbidities, moderate to major illness severity

- These challenges may disproportionately affect different population groups
- Lack of PTO may push patients to pursue outpatient procedures^{5,6}
- Differences in access to culturally competent care, variations in reimbursement, & physician bias may also play a role

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