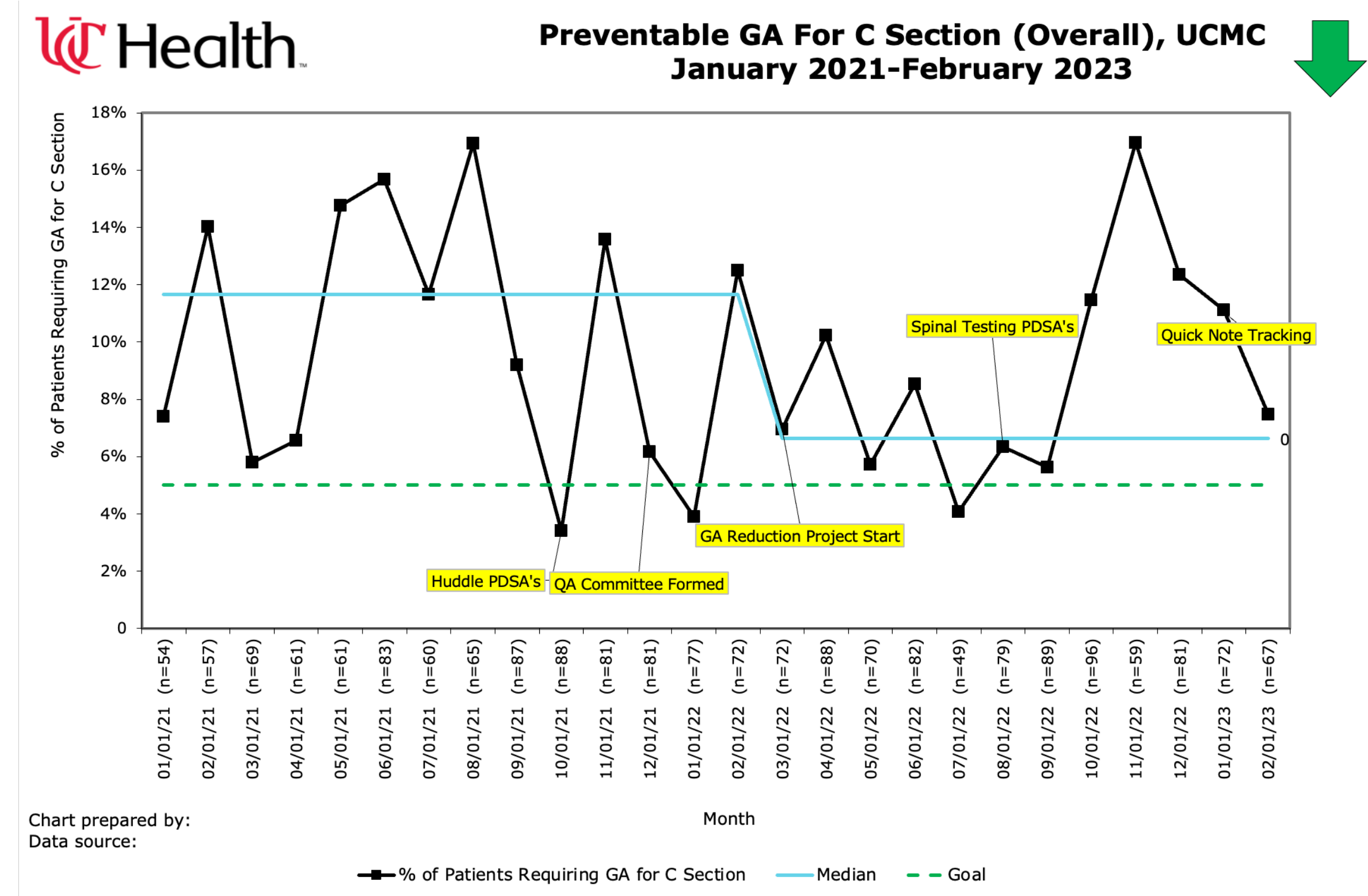
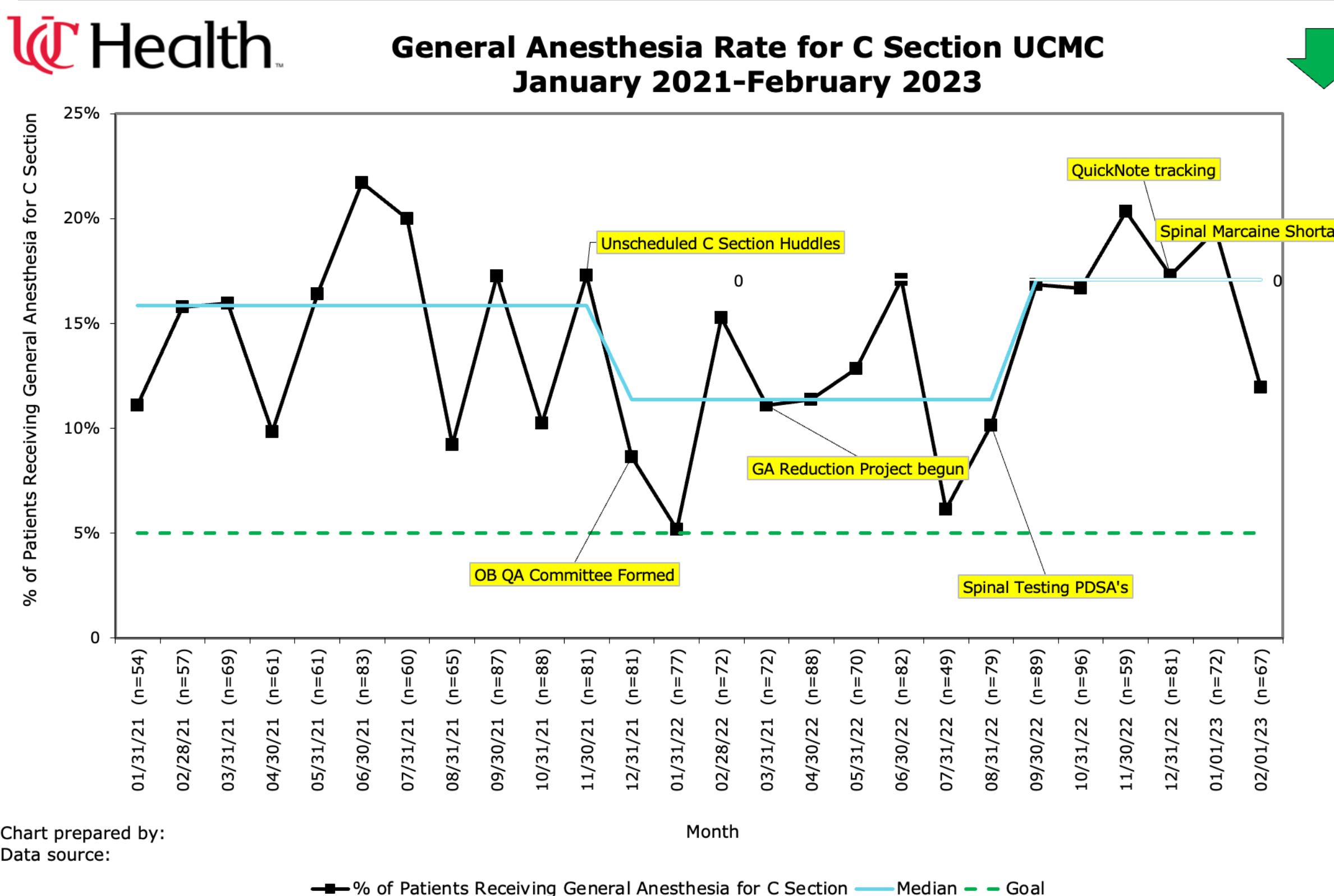


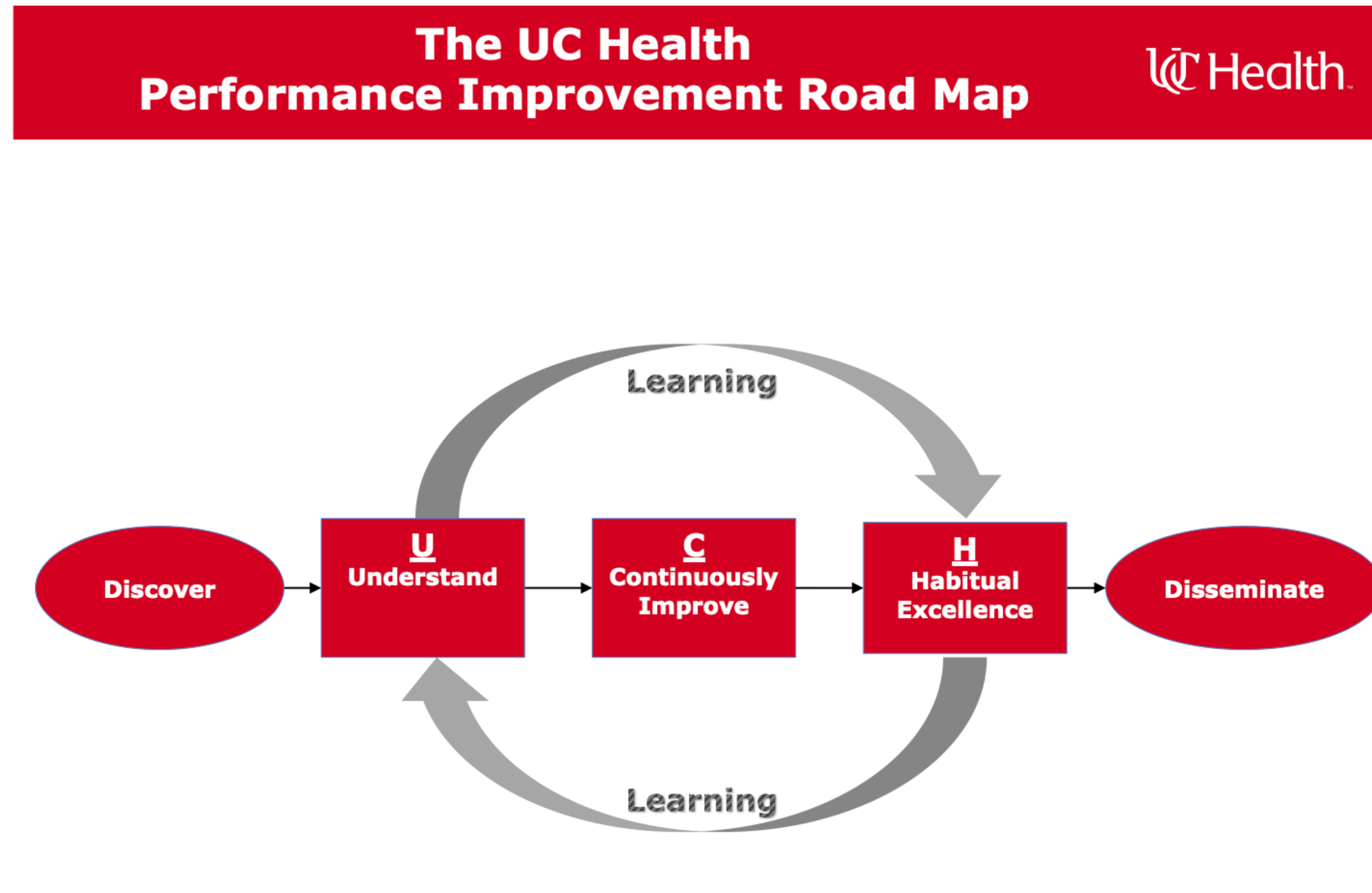
Introduction

- Neuraxial anesthesia (NA) is the gold standard for cesarean delivery (CD).
- The use of general anesthesia (GA) is associated with increased maternal and fetal adverse outcomes.
- Nationally, the estimated GA rate for CD is approximately 6%.
- At our institution, GA rate for cesarean deliveries ranged from 9-17%, with GA use for unscheduled C/S specifically as high as 22% in 2020.



Objective

As part of an effort to reduce our GA rates for CD, we sought to understand if specific patient variables differed between patients receiving NA and GA



Methods

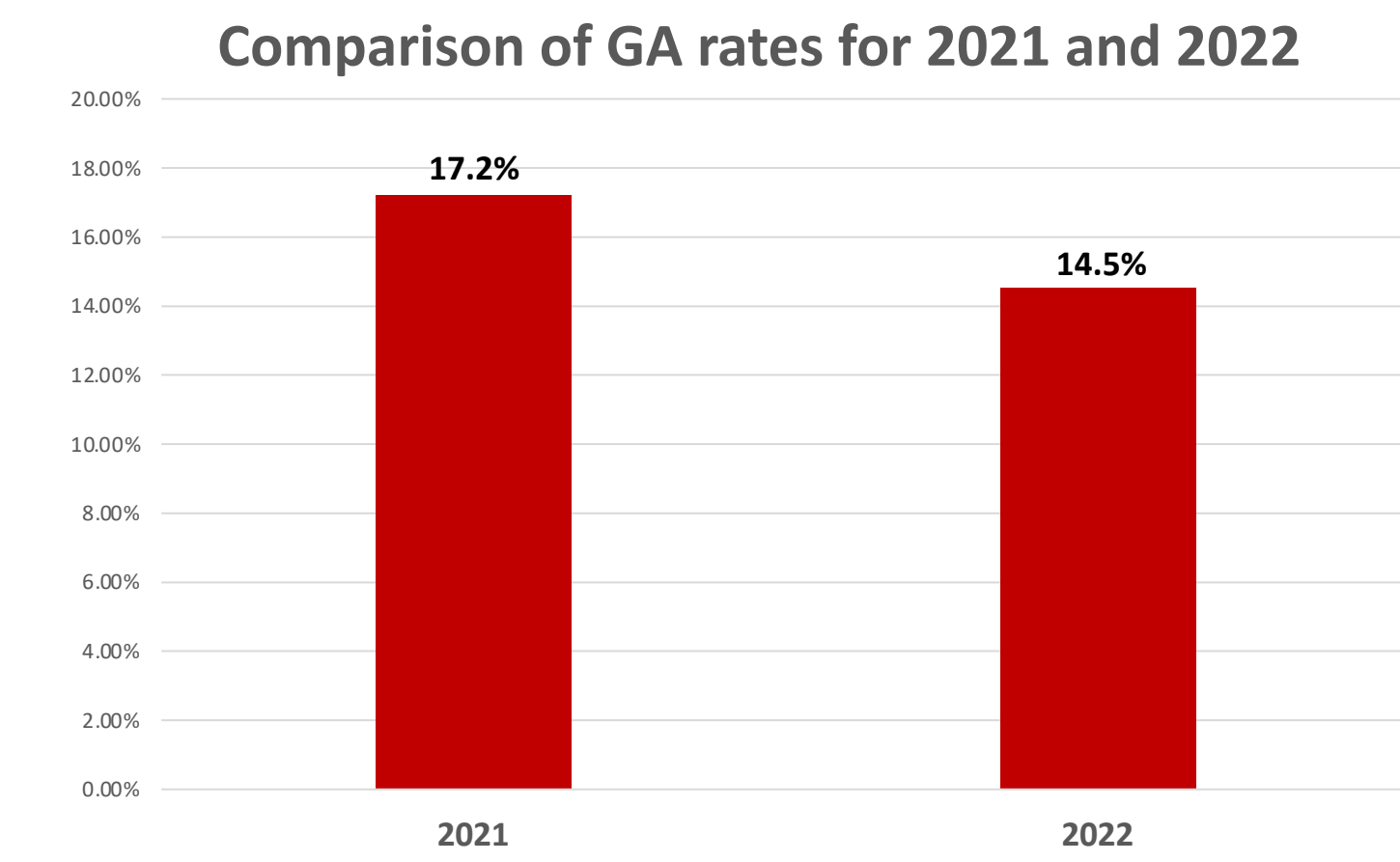
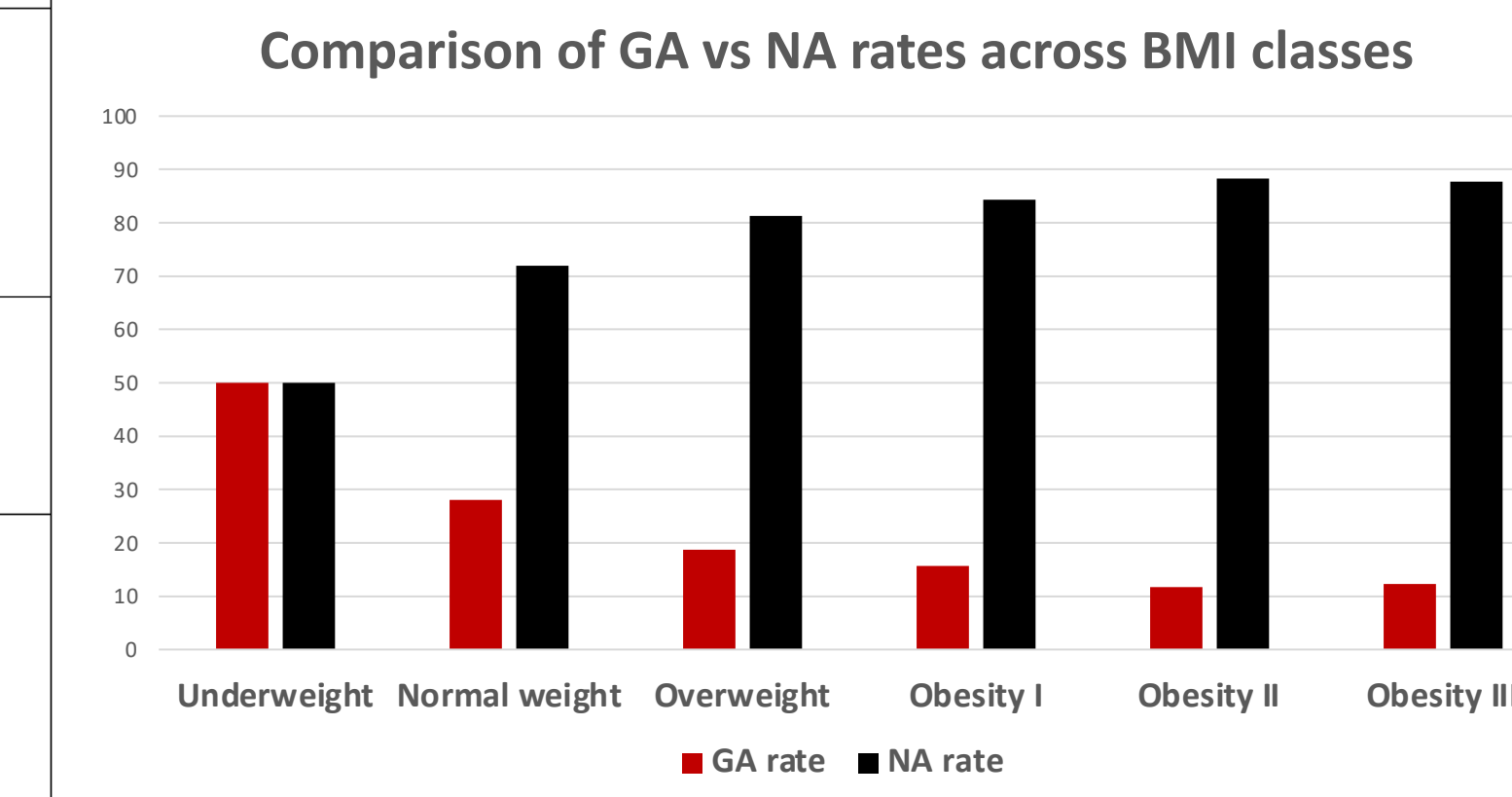
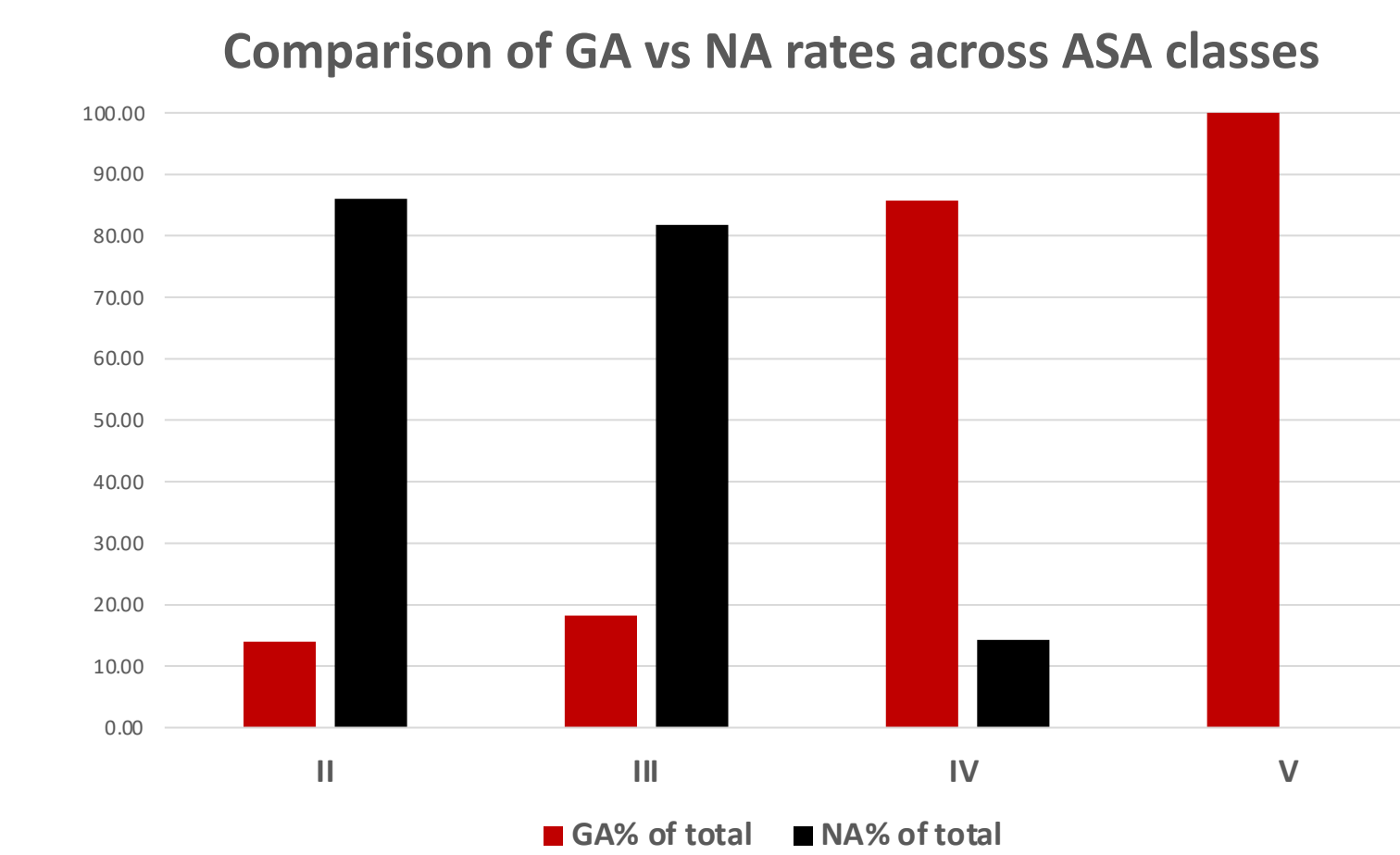
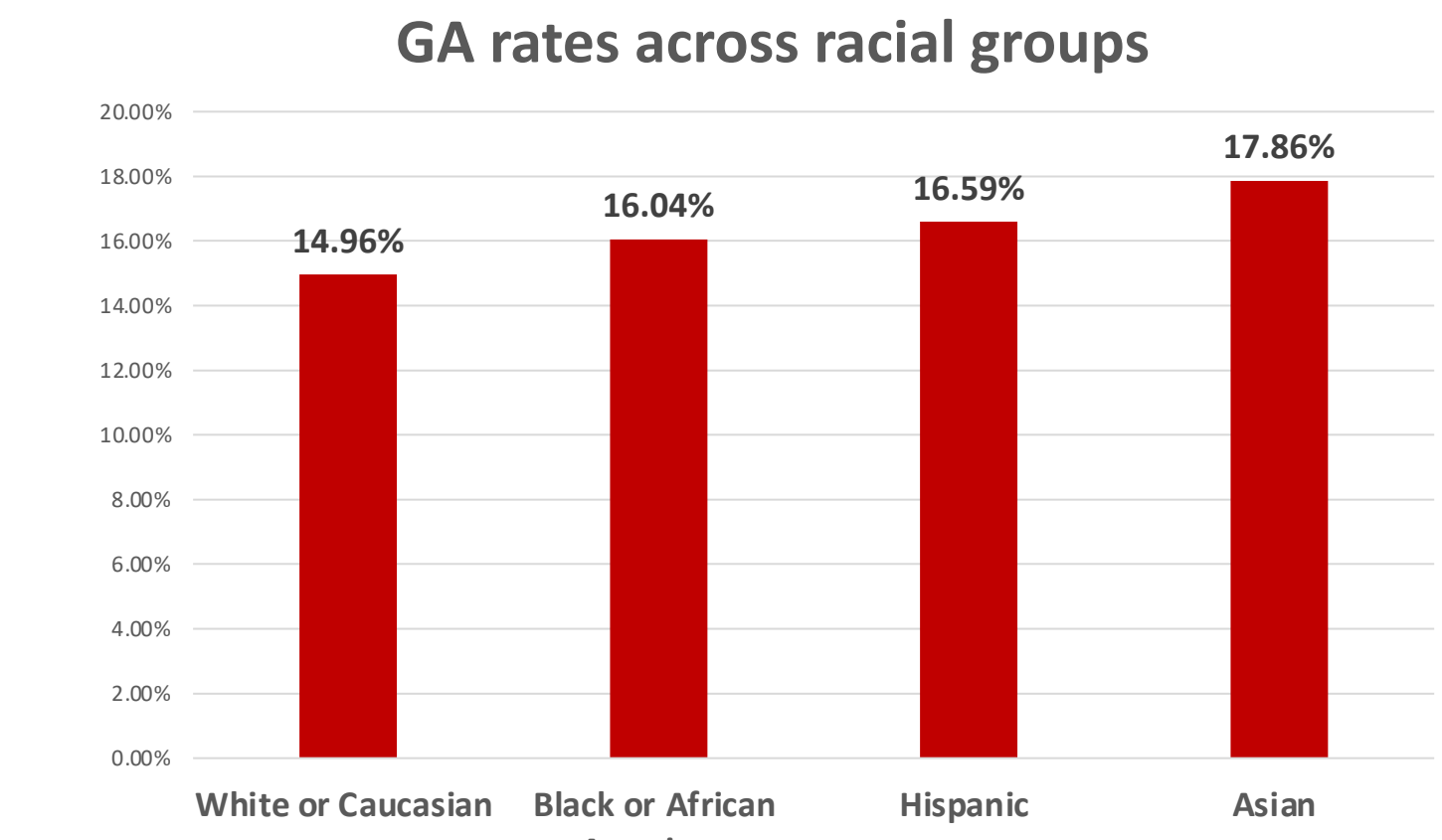
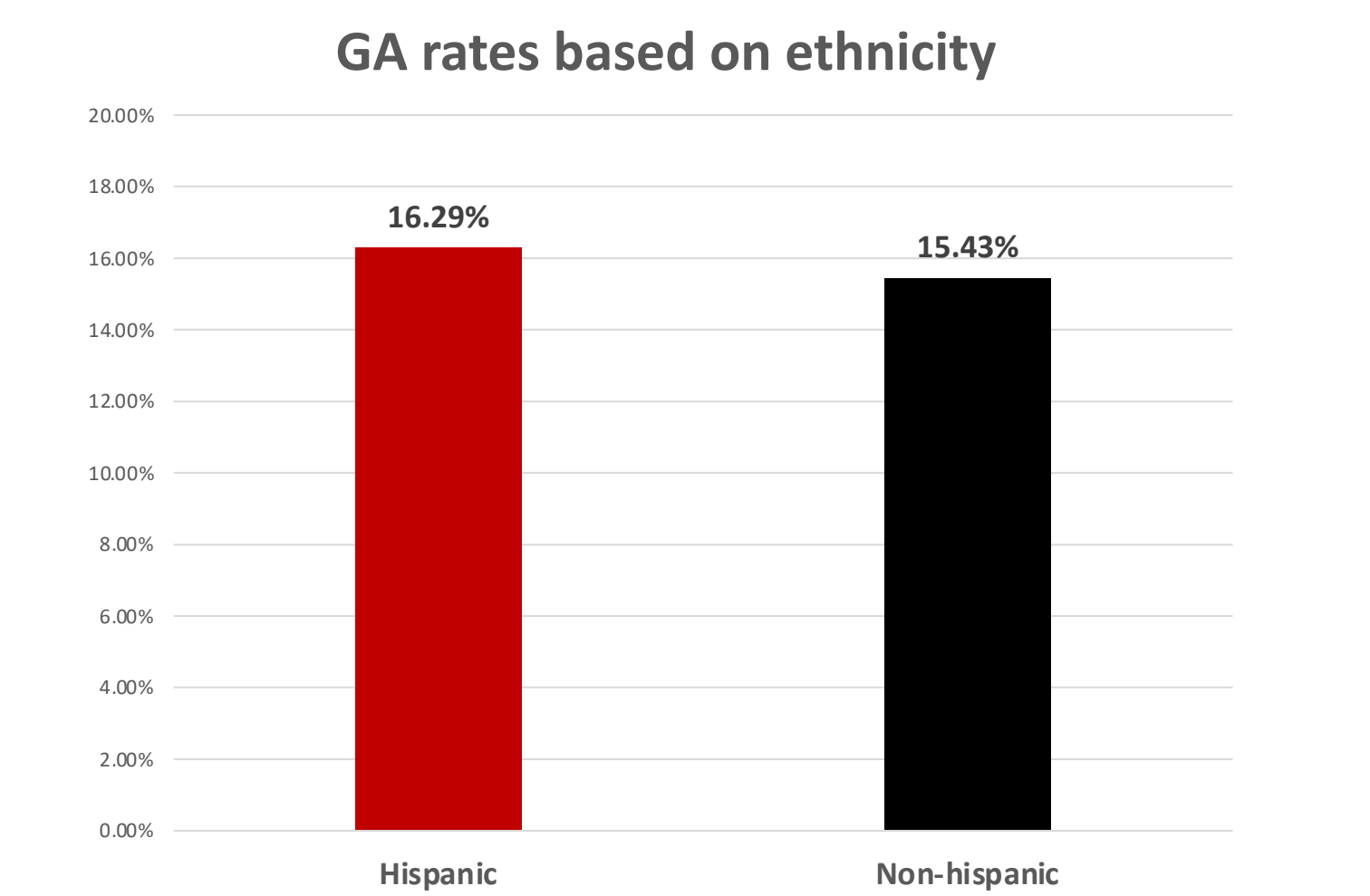
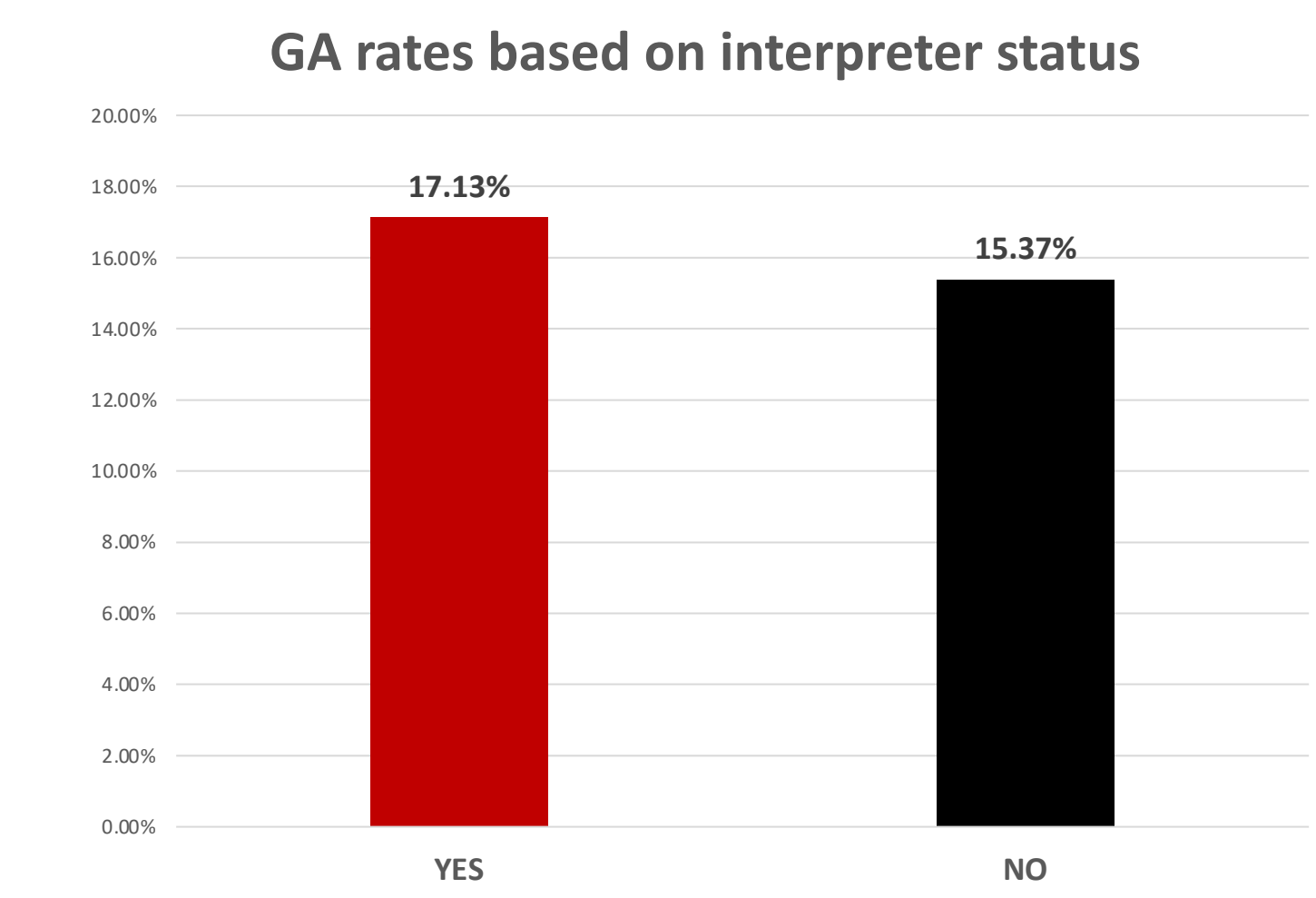
- Retrospective chart review was conducted on patients who underwent CD from January 2021 through December 2022.
- Patients were identified via monthly data reports.
- Information collected included race, ethnicity, interpreter status, BMI (classified into NIH weight ranges), ASA class, and OB experience of the responsible anesthesiologist.
- Data analysis was performed using Chi-squared test with significance level set at 0.05.

References

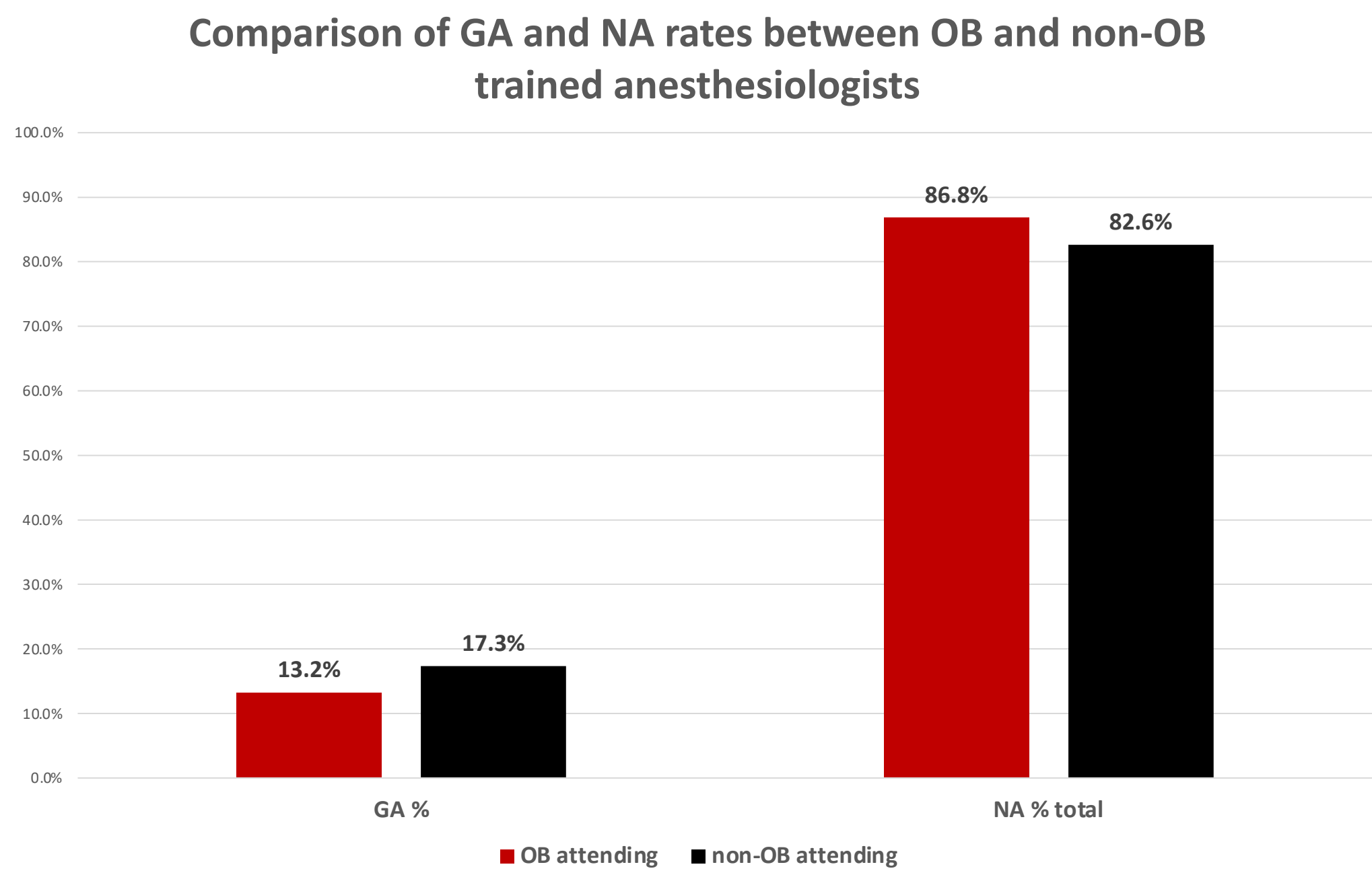
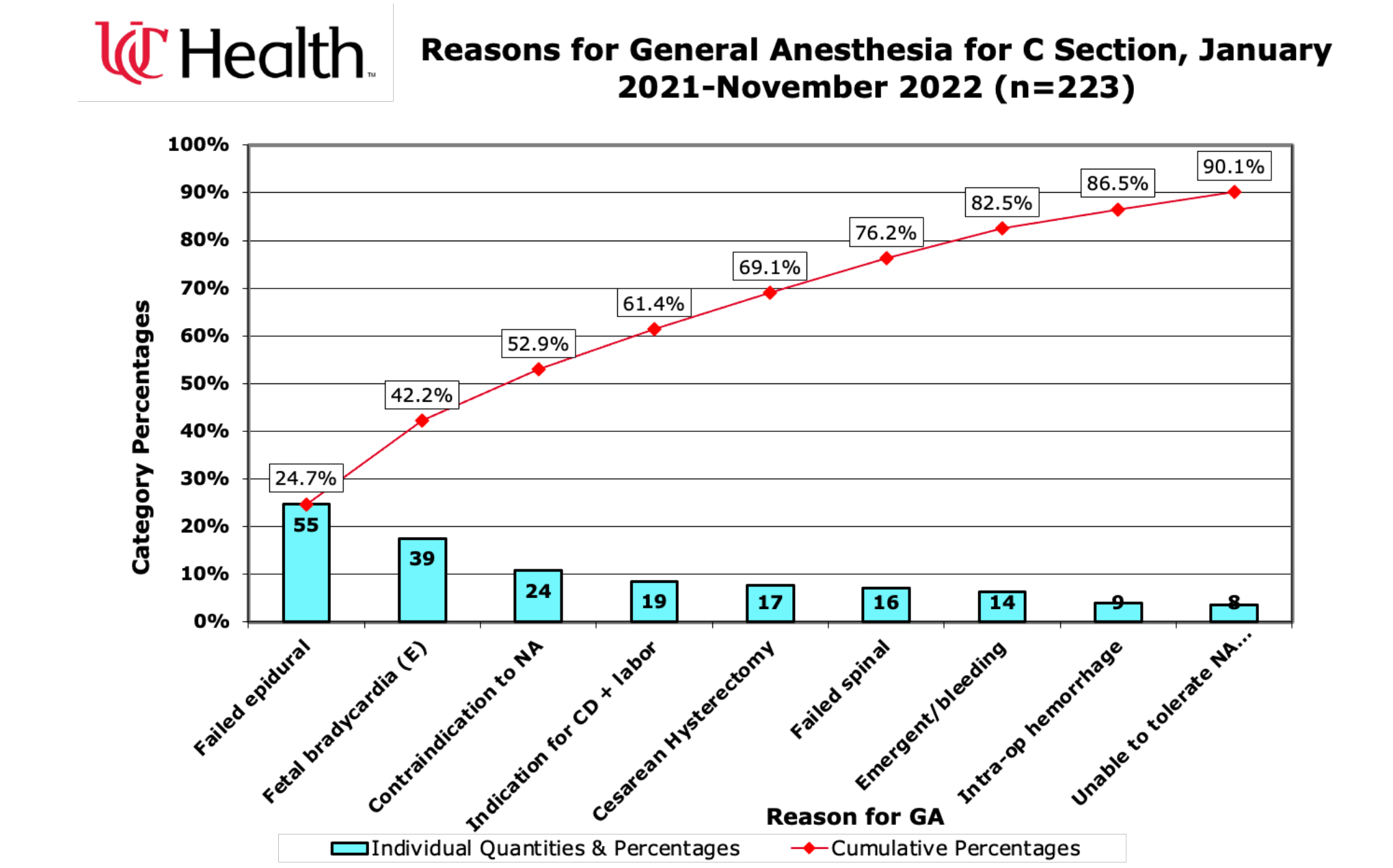
- Guglielminotti J, et al Anesthesiology. 2019;130:912–22
- Juang J, et al Anesth Analg. 2017;124(6):1914–1917

Results

Characteristics, n (%)	GA rate	P-value
Patient race		0.67
Non-Hispanic White	105 (15)	
Non-Hispanic Black	94 (16)	
Hispanic	36 (14)	
Asian	10 (17.9)	
Maternal BMI		0.001
Underweight	2 (50)	
Normal	34 (28.1)	
Overweight	68 (18.7)	
Obesity I	37 (15.6)	
Obesity II	36 (11.6)	
Obesity	52 (12.3)	
ASA Status, Categorical		<0.001
II	165 (14)	
III	81 (18.2)	
IV	12 (85.7)	
Interpreter Status		0.17
Yes	43 (17.1)	
No	214 (15.4)	
OB experience of anesthesiologist		0.018
OB trained	116 (13.2)	
Non-OB trained	141 (17.4)	



Results



Conclusions

- At our institution, GA rates are higher in patients receiving care from non-OB experienced anesthesiologists
- Additionally, GA rates were higher in patients with lower BMI range and higher ASA class
- There was no difference in GA rates among different racial and ethnic groups
- We hope this information will inform our efforts to reduce preventable GA rates for cesarean deliveries