

Sustainability and Cost Savings: The Vanderbilt Experience

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Our Department

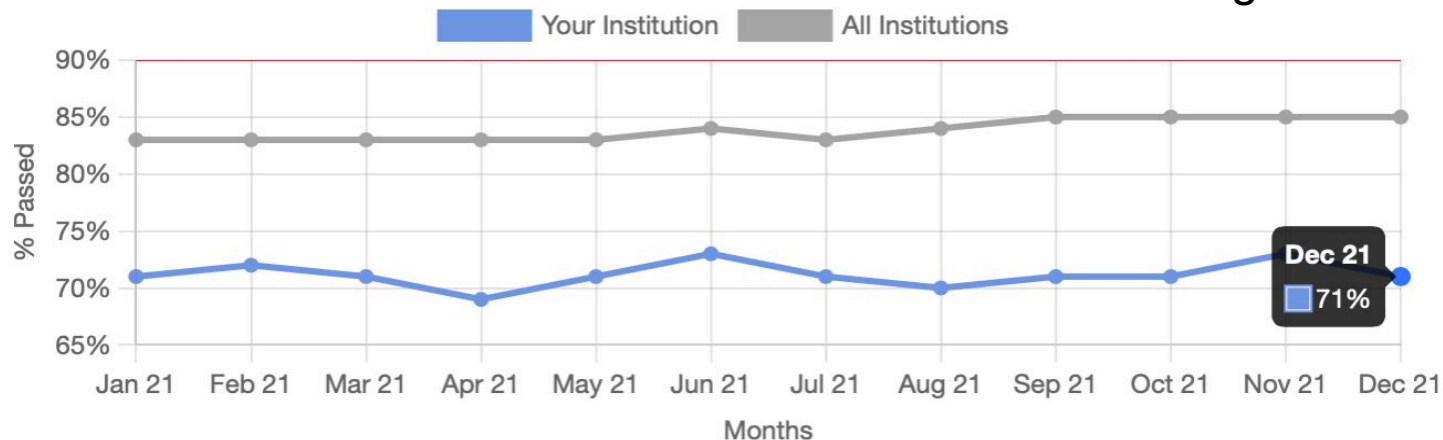
- 210 Faculty
- 57 Residents
- 24 Fellows
- 216 CRNA's
- 131,884 total cases in 2023, approx. 93,000 at our main campus
- 55 OR's

2021 – Pre-MPOG

SUS-01

Performance Trend ⓘ

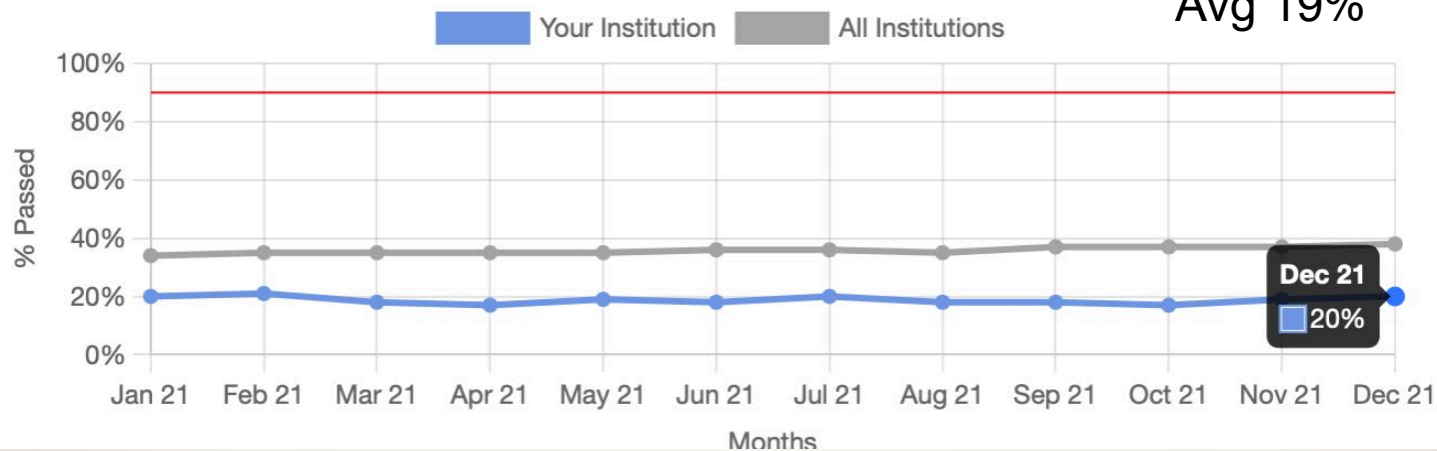
Avg 71%

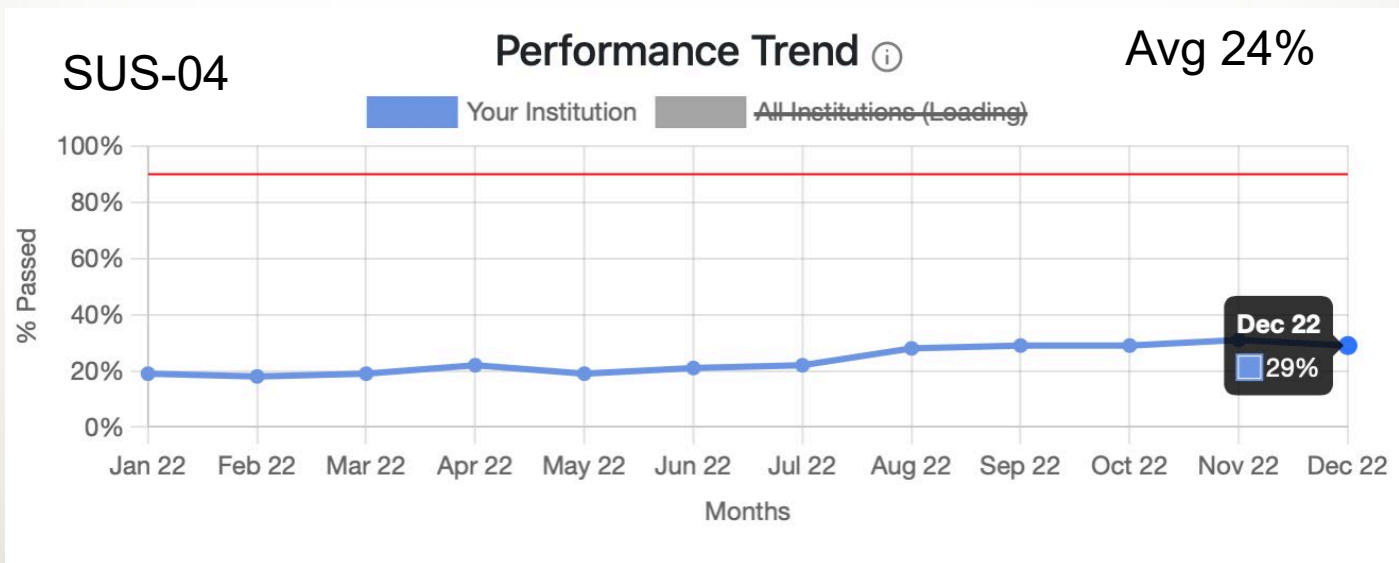
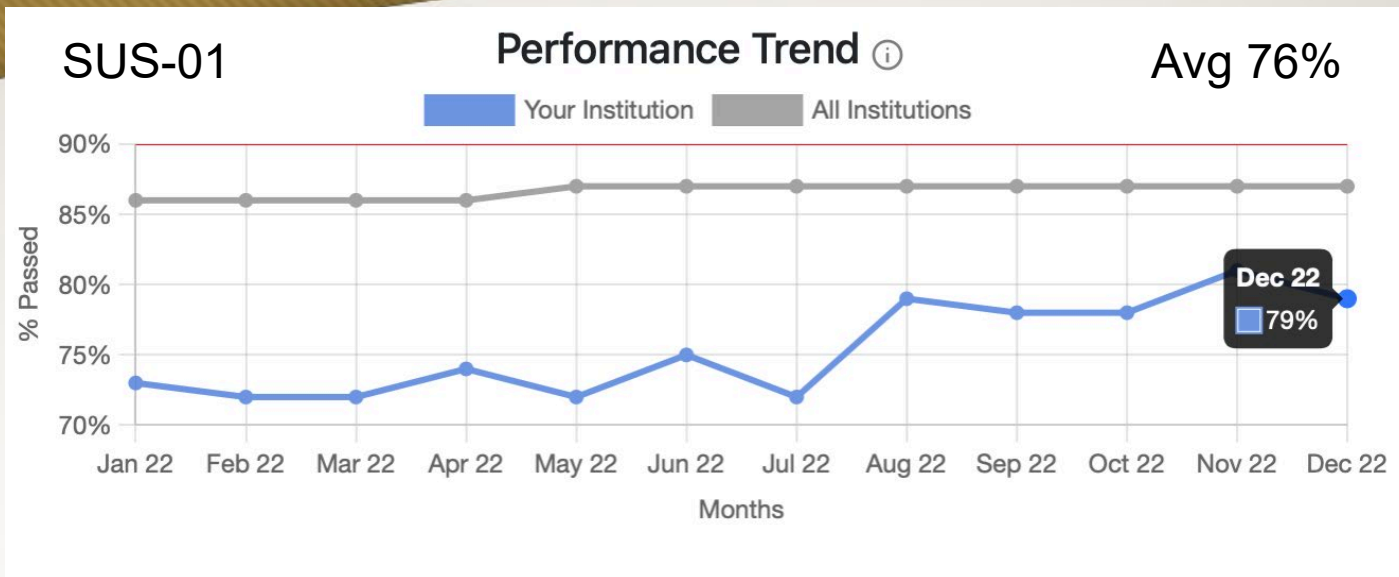


SUS-04

Performance Trend ⓘ

Avg 19%





2023 Initiative

Celebrating standouts

FGF < 3L/min

32 attendings with 100% of cases: Lindsey Cobb, Ryan Lefevre, and Camille Roberts are at the front.

98 CRNA's with 100% of cases: Alexandra Harris and Justin Myers are leading the pack.

22 residents with 100% of cases: Alexis Cull, Tejas Kaur, and Alex Tobias are at the head of the class.

FGF < 2L/min

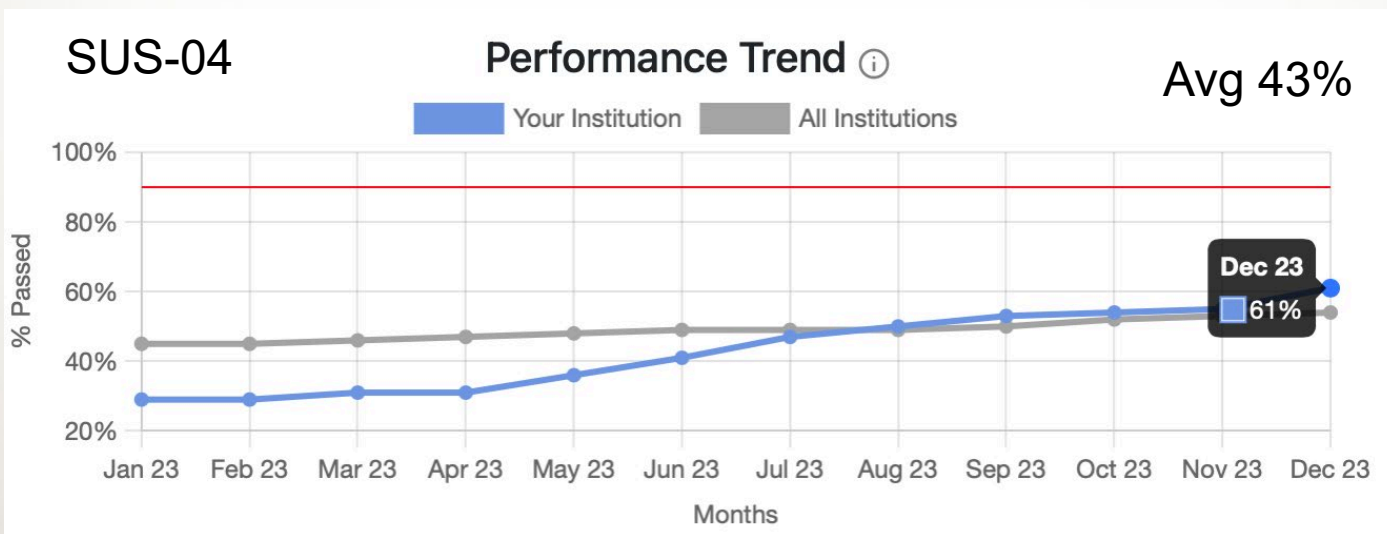
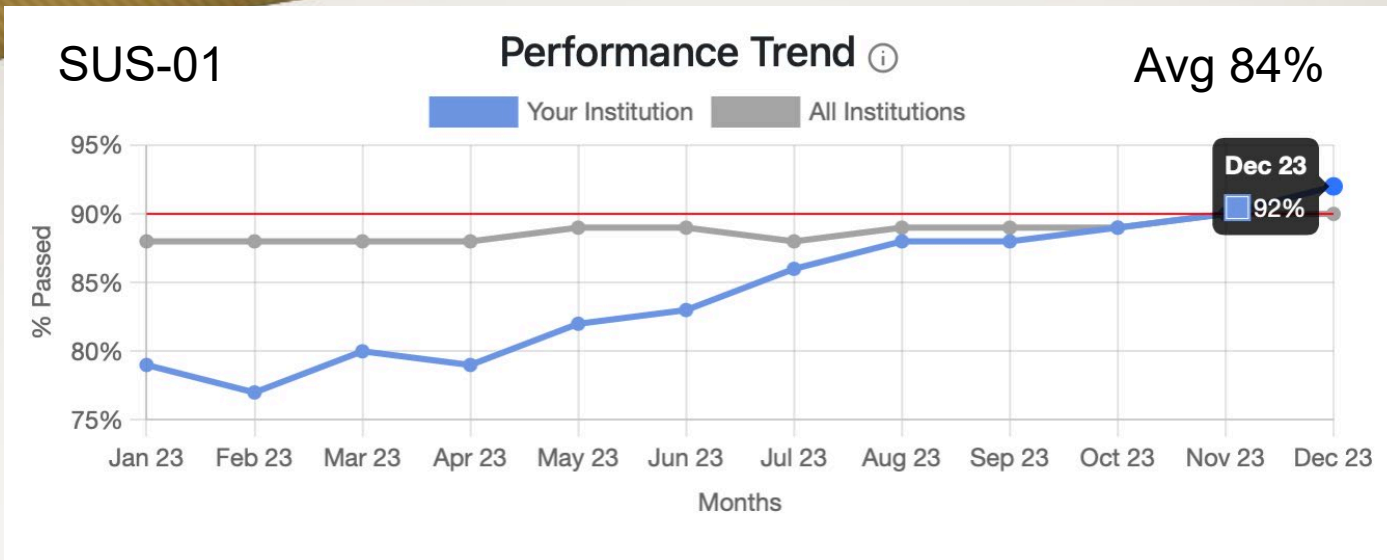
Attendings: Hestermann, Ende, Danakian

CRNA's: Grant Fickel, Sydney Hall, and William Lillicrap (all with 100%'s)

Residents: Kelsei Brown and Bola Soliman are at 100% and Ian Funk is at 96%.

Keep it up! Low flows keep our patients warm. High flows keep us all warm.

- Only positive – highlighting the star performers
- No negative
- End of year rank list
 - Top 3 Overall performers
 - Best performing division
 - Best residents; Best residency class
 - Best Attendings



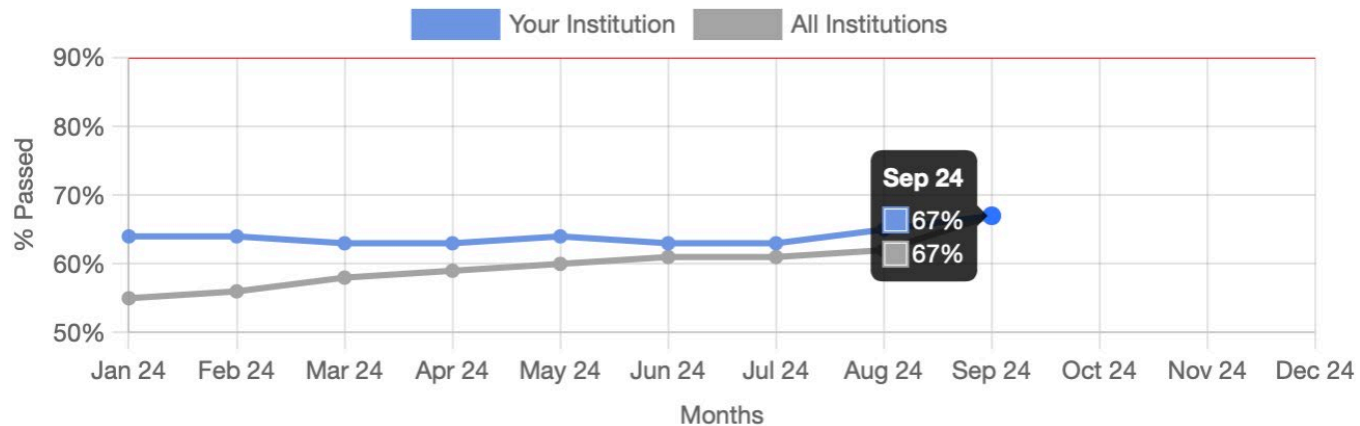
SUS-01

Performance Trend ⓘ



SUS-04

Performance Trend ⓘ



Cost Savings: Volatile Anesthetics

- 2021: \$390,379
 - 47,296 cases (excludes TIVA or w/LMA)
- 2022: \$470,154
 - 50,805 cases
- 2023: \$393,768
 - 53,038 cases
 - \$76,386 savings
 - Despite 10% increase in cost of Isoflurane
- 2024: Pending

Conclusions & Future Directions

- Effectively reducing FGF rates has led to considerable cost savings on volatile agents
- Best Practice Advisory
 - Reminder to lower flow after clicking “Anesthesia Ready”
 - Pop-up if FGF remains $> 2\text{L}/\text{min}$ for 15 consecutive minutes.
- QuizTime
 - Questions regarding environmental impact of volatile agents and nitrous, and benefits of low flow anesthesia
- Other costs
 - Medical air & oxygen