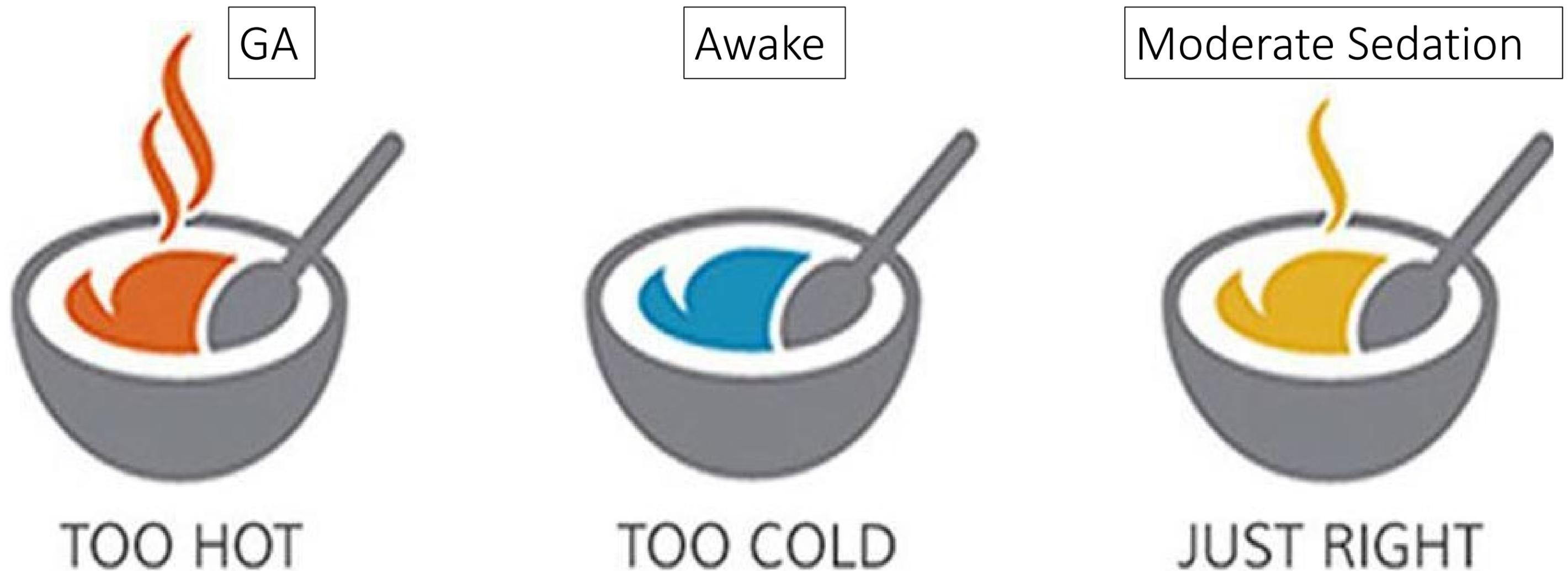


# Improving Utilization of Moderate Sedation Services for Pediatric Imaging

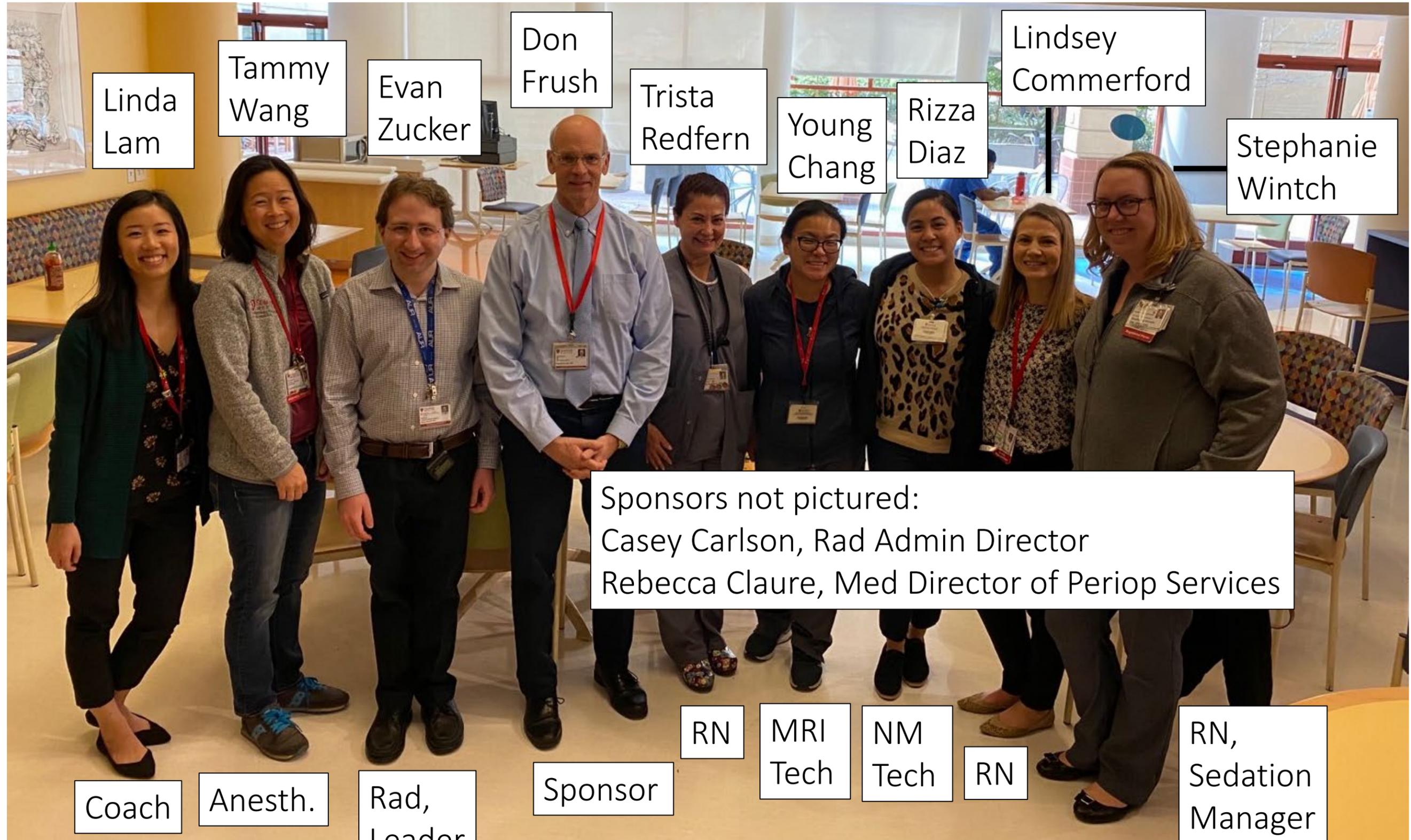
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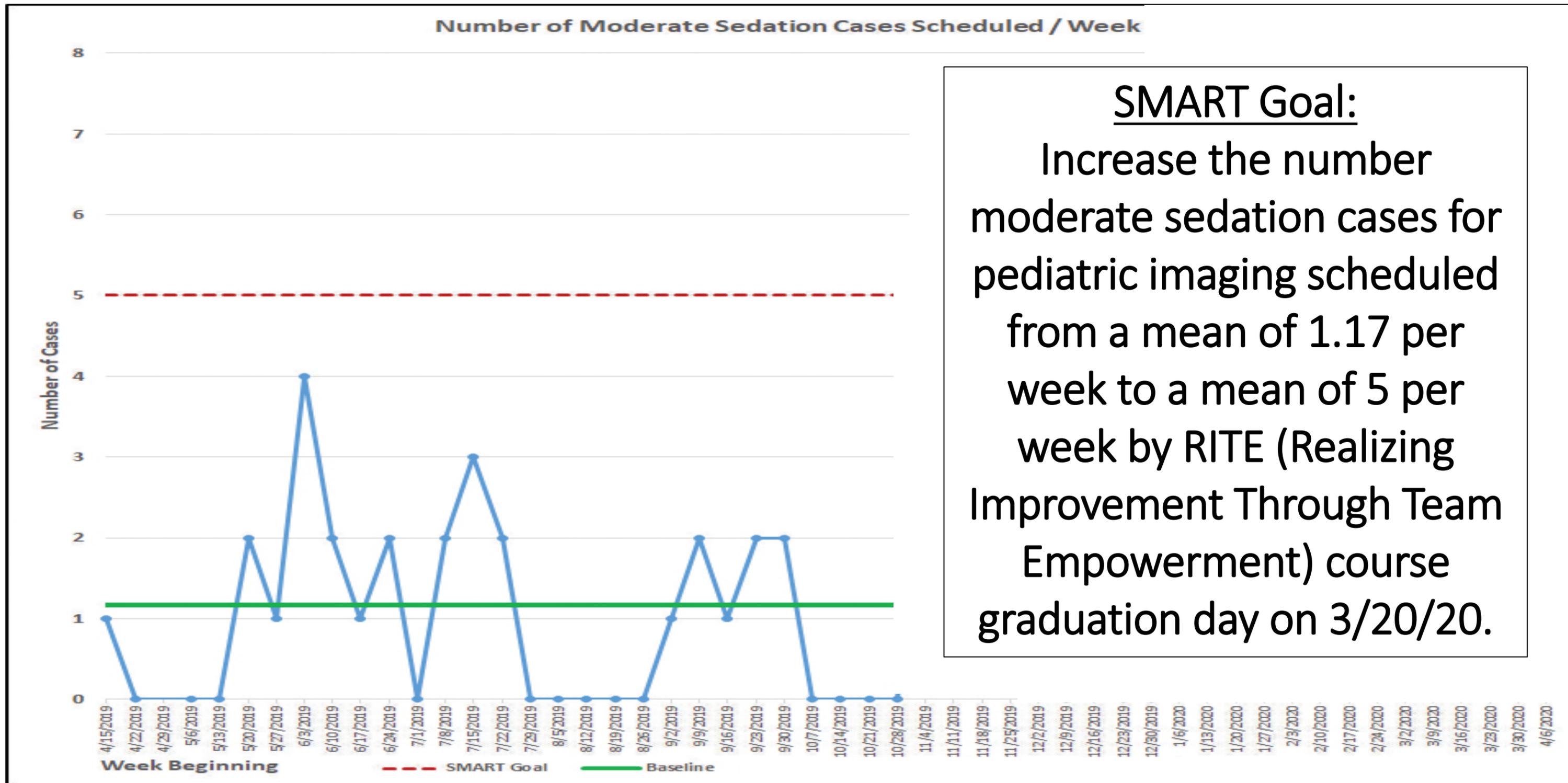
November 2019-March 2020



# Team Members



# Baseline

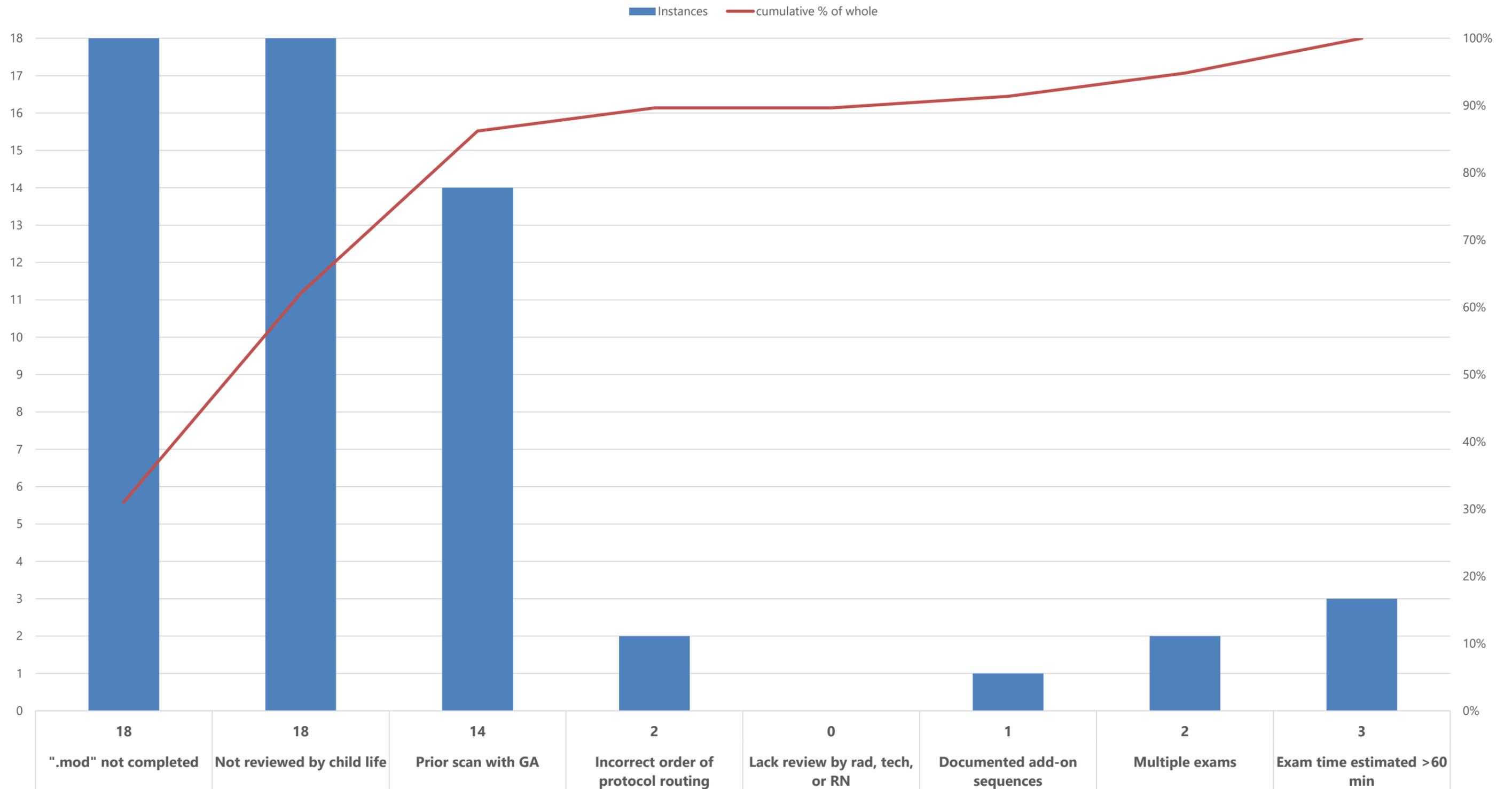


**SMART Goal:**  
Increase the number moderate sedation cases for pediatric imaging scheduled from a mean of 1.17 per week to a mean of 5 per week by RITE (Realizing Improvement Through Team Empowerment) course graduation day on 3/20/20.

Baseline average is 1.17 cases/week

# Analysis

Issues Affecting Lack of Triage of Exam from GA to Moderate Sedation:  
December 2019 MRI/CT Schedule Audit



## Key focus areas from fishbone/Pareto:

1. Lack of clear sedation candidacy criteria
2. Inconsistent protocol routing
- 3. RN not completing sedation screen**
4. Lack of awareness by ordering providers

### Key Drivers

Need clear and consistent eligibility criteria for moderate sedation

Protocolling routing order must be consistent

RN must consistently apply sedation screening criteria (.mod) in protocol

Ordering providers must be aware of sedation program and not select GA by default

# Interventions

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- Constant sedation **success rate at 85%**
  - 80% of failures in MRI (longer-than-anticipated exams)
- Sedation case distribution:
  - 67.6% MRI, 25.0% CT, 7.4% NM (up from 0%)
- Direct MRI charges **\$2-20K lower** for sedation compared to GA
- Wait times for 3<sup>rd</sup> next available GA MRI appt. **trended downward to mean of 24 days from mean 36-40.5 days** in preceding months

# Sustain Plan

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- Targeting most high-impact yet modifiable process deficiencies (RN screening) facilitated success exceeding expectations.
- Concentrated lower-level reliability interventions (standards, training, forecasting) helped gain momentum and cultural buy-in while awaiting higher-reliability process (EHR updates).
- Potential model for workflow change in the face of organizational resistance.

# Next Steps

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- Adapting to change:
  - COVID-19: exam volumes, GA limitations
  - MRI scanner downtimes
- Provider and service outreach
- Expansion of program capacity
- Culture of continuous improvement

**THANK  
YOU!**