

Background and Significance

- Promoting safety and optimal outcomes for patients undergoing operative procedures is the core mission of AORN and the foundational principle of perioperative nursing
- Quality dashboards display data in a meaningful visual format so that clinicians and leadership can efficiently evaluate processes and outcomes of care over time
- Dashboards facilitate continuous tracking and evaluation of quality metrics, issues, trends and risks
- Dashboards are an evidence-based strategy that promotes quality and safety (Dowding et al., 2015)
- There is wide variation in how programs communicate the quality data to nurses providing care

Purpose

- Develop and implement a quality dashboard in a pediatric perioperative setting
 - Main campus and two satellite locations

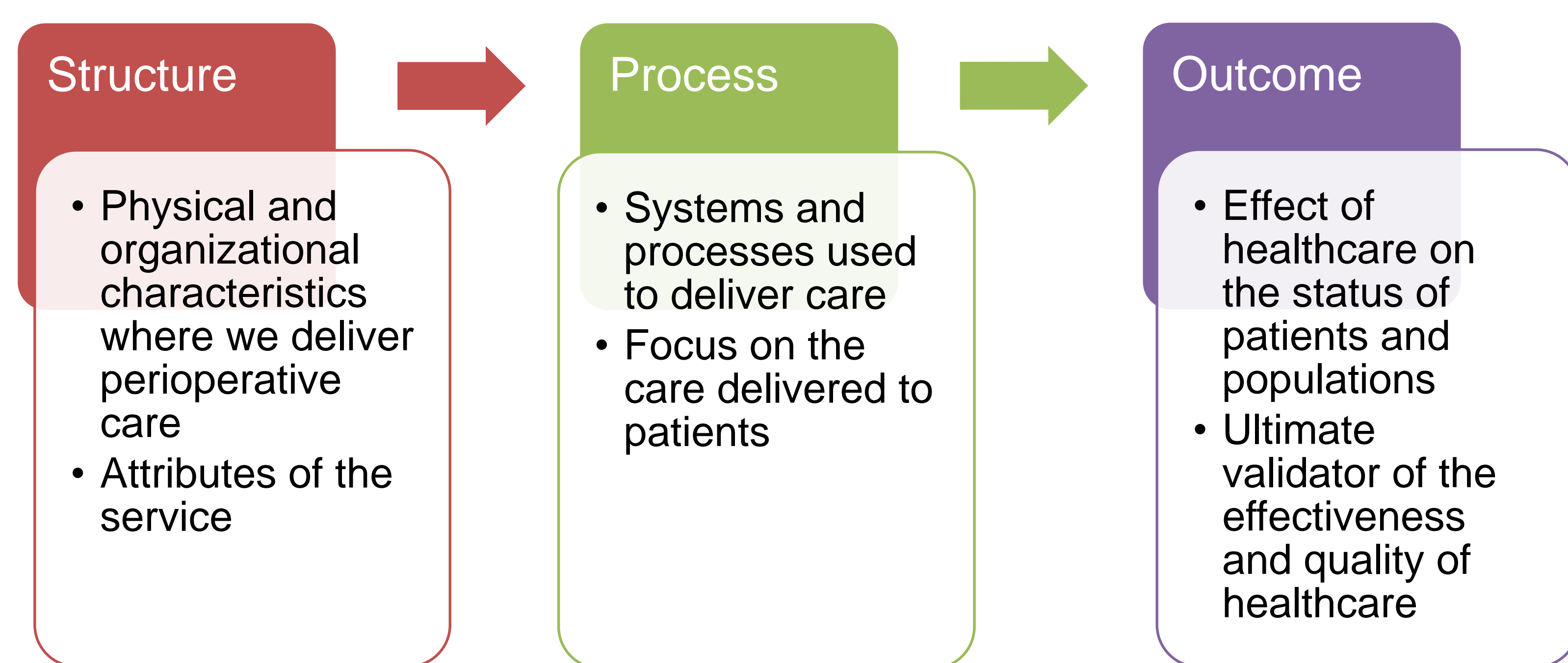


Figure 1. Donabedian Model

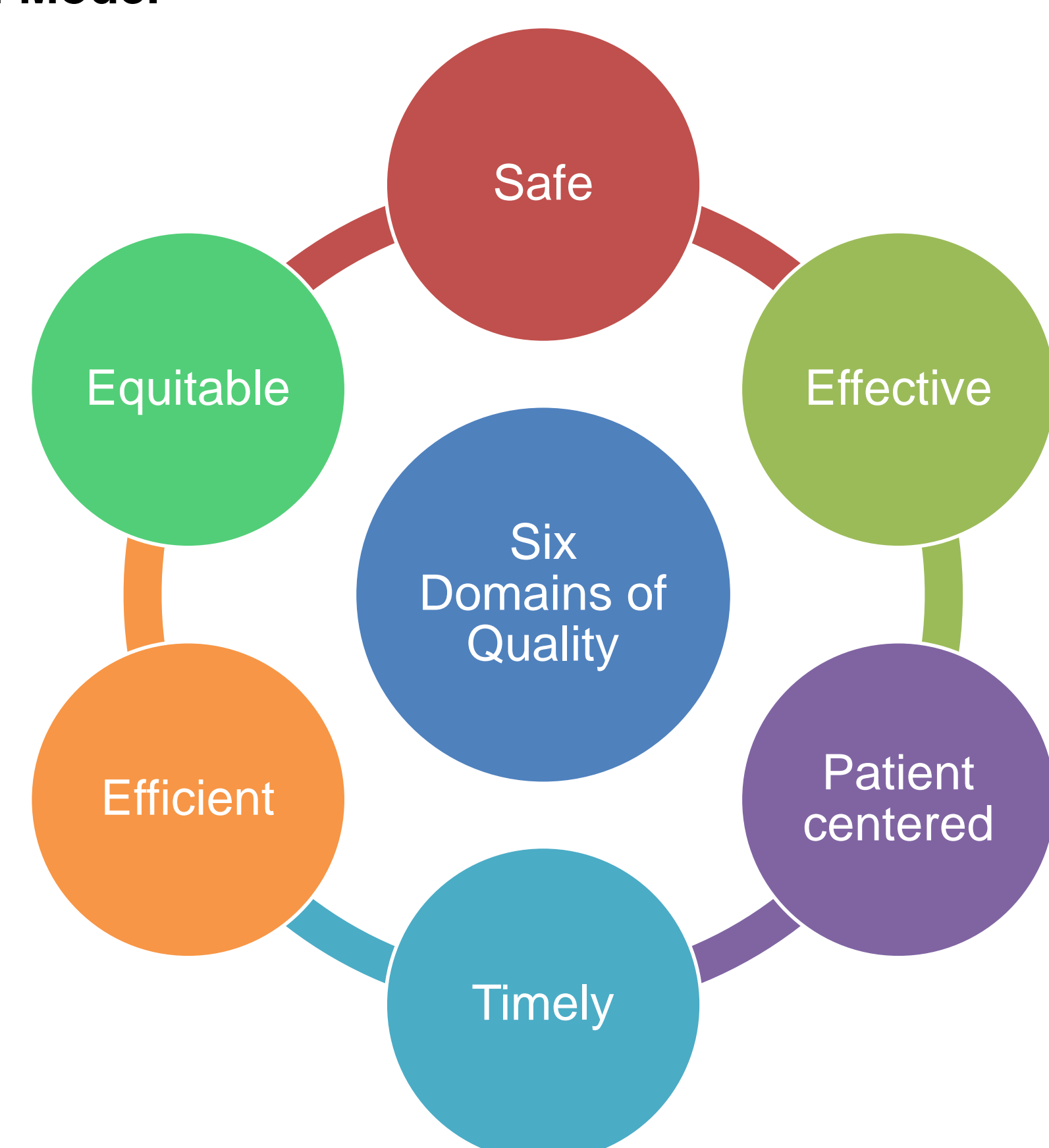


Figure 2. Institute of Medicine (IOM) Framework

Methods

- Dashboard development used a systematic approach guided by the Donabedian Model for measuring quality care (Figure 1) and the Institute of Medicine (IOM) Framework for quality assessment (Figure 2)
- Step-by step approach to quality dashboard development is outlined in Figure 3

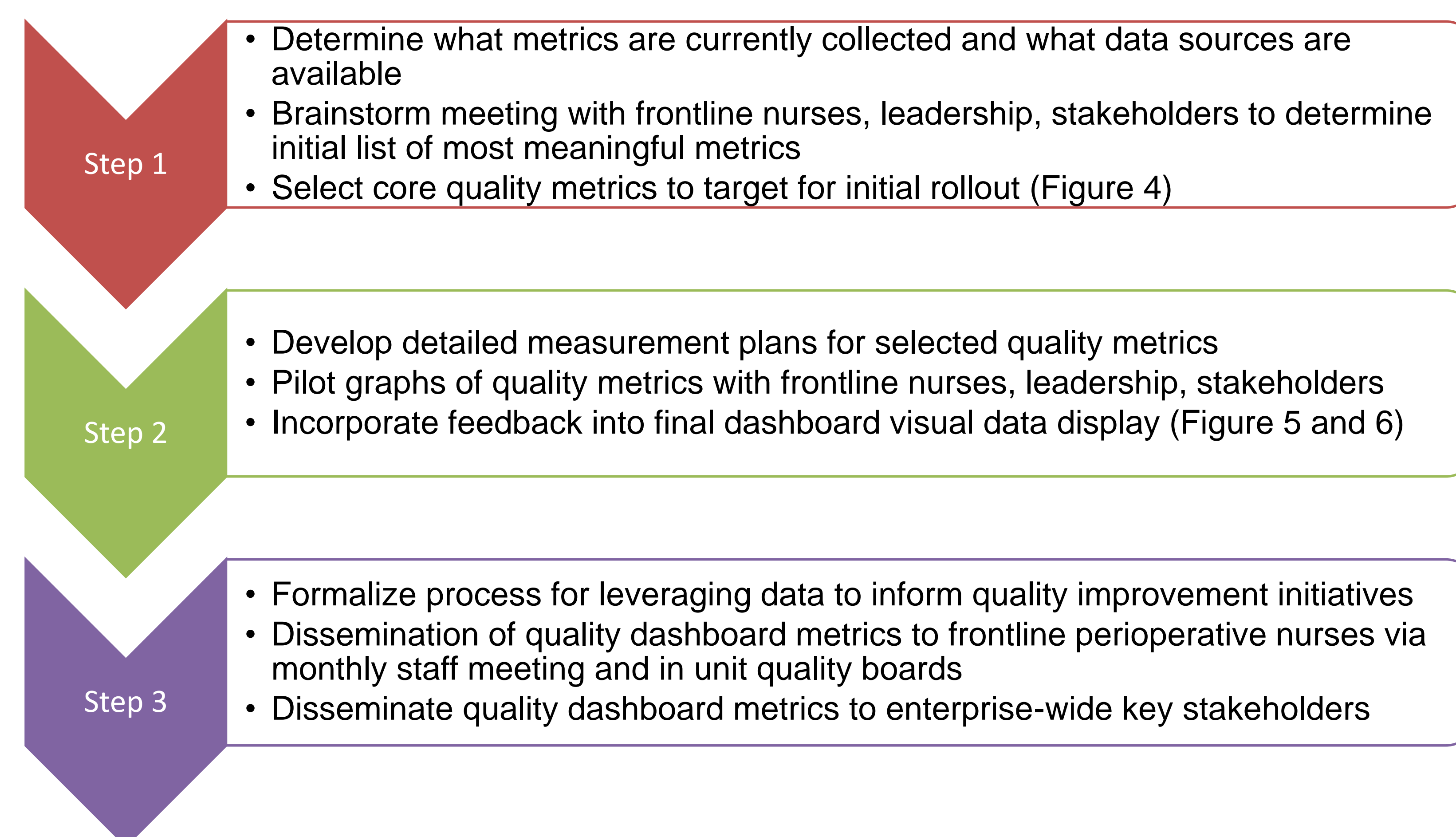


Figure 3. Approach for Quality Dashboard Development

Outcomes

Safety	Effective	Patient Centered	Timely	Efficient	Equitable
Universal Protocol Time Out	Universal Protocol Time Out			Universal Protocol Time Out	
IPASS Handoff		IPASS Handoff			
	First Case On Time Start		First Case On Time Start	First Case On Time Start	First Case On Time Start
Hand Hygiene				Hand Hygiene	
Skin Tissue Alteration	Skin Tissue Alteration			Skin Tissue Alteration	
					AACN HWE Survey
Nursing Certification				Nursing Certification	

Figure 4. Selected Quality Metrics

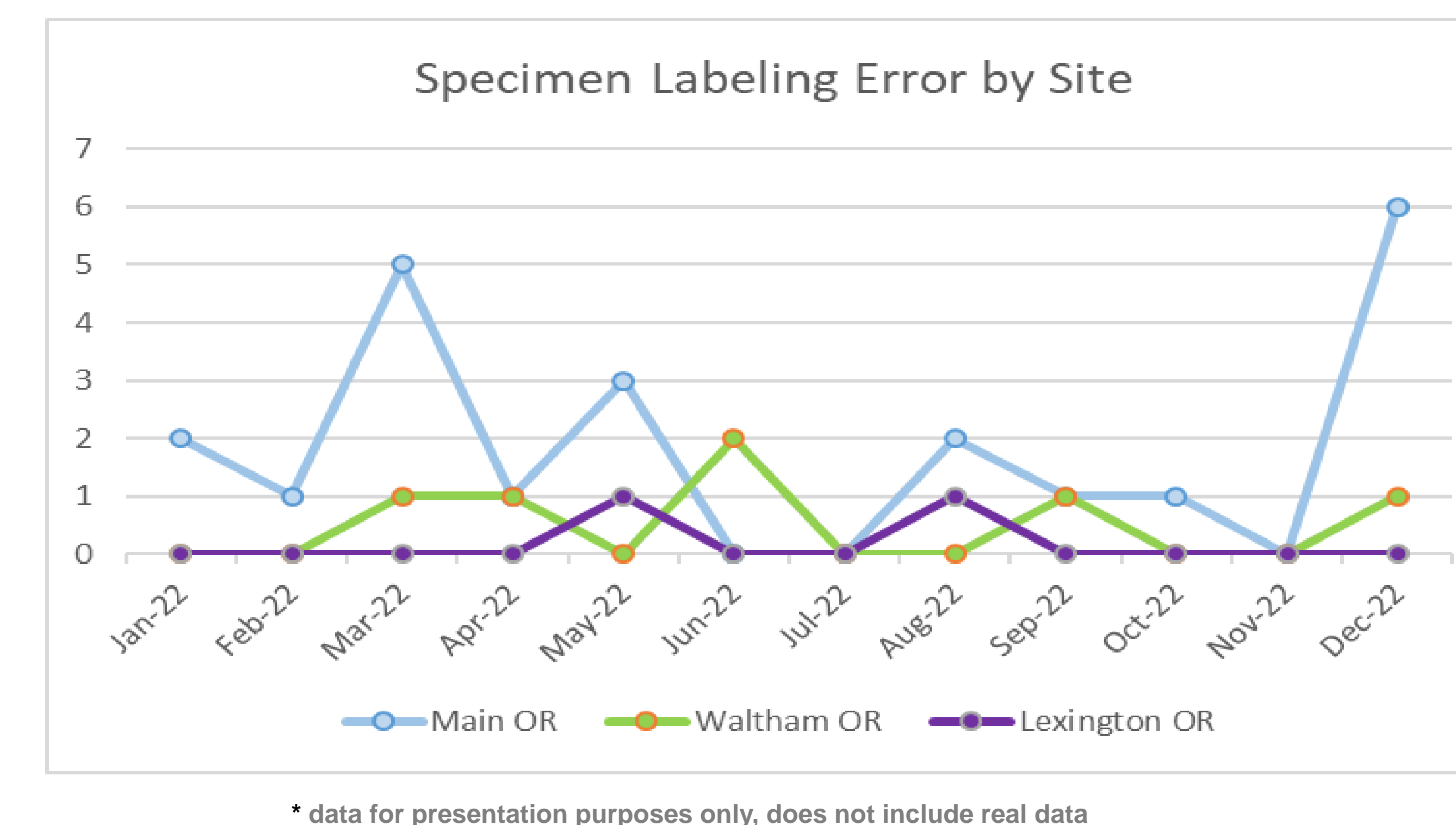


Figure 5. Quality Dashboard Display: Hand Hygiene

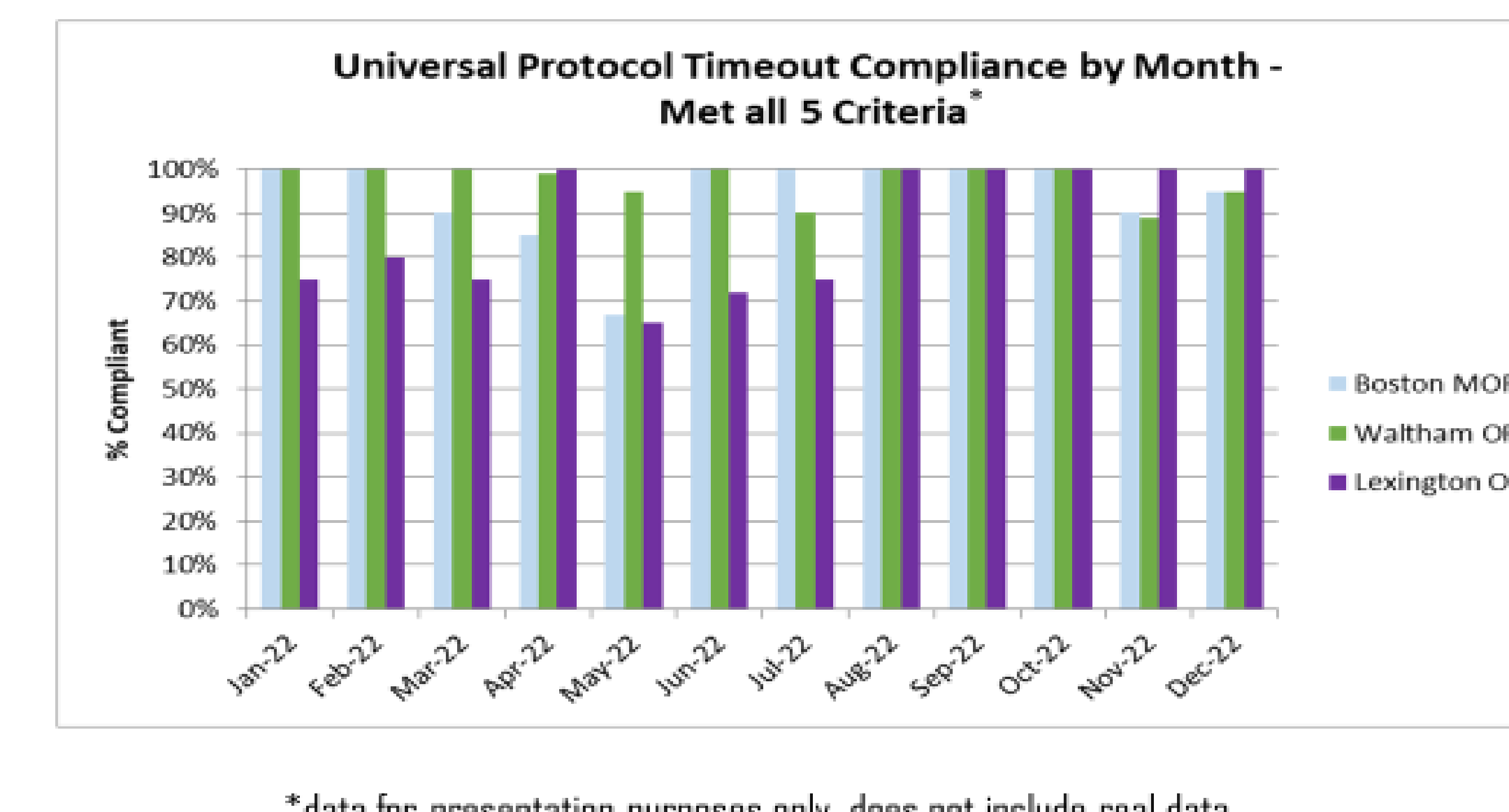


Figure 6. Quality Dashboard Display: Universal Protocol

Implications for Perioperative Nursing

- Development of a dashboard requires a systematic approach and engagement of leadership, perioperative nurses, and hospital-wide stakeholders
- Dashboards provide an efficient and consistent approach to disseminate quality data to frontline staff and compare performance to defined benchmarks
- Support tracking and evaluation of quality metrics during times of transition to structure and process
- Variation in data highlight potential variation in processes
- Dashboards are a powerful tool to monitor quality metrics and evaluate performance improvement initiatives

References

