

Measuring Surgical Quality Improvement

Improving quality of care is a top priority across health systems. The pressures to reduce variation in care, complications and costs within organizations is at an all-time high. Many of the country's top health care systems are beginning to tackle this challenge by taking an innovative approach to improving quality where it matters most, in the operating room.

This relentless pursuit of improving quality in the operating room is at our core. C-SATS, part of the Johnson & Johnson Family of Companies, is a surgical skills assessment system designed to help health care professionals continuously improve in an effort to reduce variability of care and enhance patient outcomes.

Unlocking Your Data

Providing C-SATS access and approval to analyze your real-world data, such as hospital billing data or electronic health records, is key to getting the most out of your C-SATS program.

The C-SATS team works closely with your program sponsor, IT team and other key hospital personnel to securely transfer and store data on our HIPAA compliant, cloud-based platform, for analysis. Our team of biostatisticians, health care professionals, data scientists, engineers and researchers, with deep experience in analyzing clinical and economic data, provide insights on mission-critical information, including:

- Patient length of stay
- Readmission rates
- Operative time
- Procedure costs and health care utilization

The analyzed data is then provided to equip your health care system with key insights, to help make informed, real-time decisions on how to reduce variation, surgical costs/complications, and ultimately, improve patient care in your health care system.

In this illustrative example, C-SATS hospital sites have lower median values and less variability than non-C-SATS sites. For additional information, contact info@csats.com.

C-SATS supports our customers by measuring surgical variation, complications and costs, with the goal of helping to improve patient care.

Technical Skills Matter

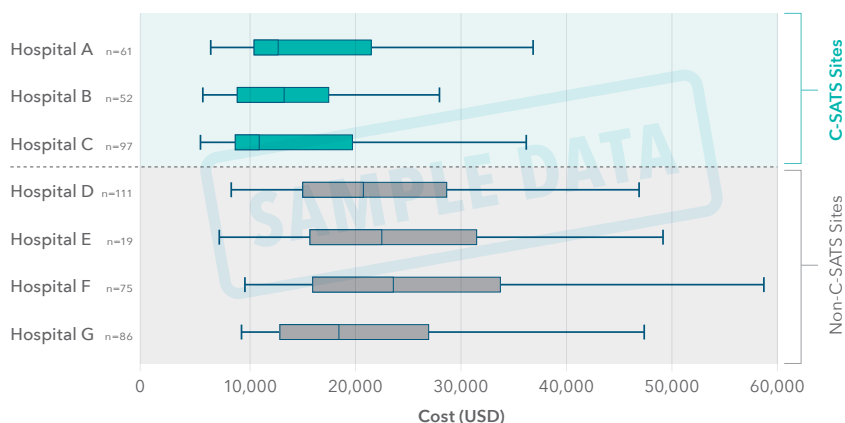
In a seminal study, technical skills as measured through video-based assessment were associated with improved clinical outcomes (top vs. bottom quartile).

	QUARTILE	
	TOP	BOTTOM
Complications	5.2%	14.5%
Mortality	0.05%	0.26%
Reoperations	1.6%	3.4%
Readmissions	2.7%	6.3%
Shorter Operating Time	98 min	137 min

All statistically significant

Birkmeyer, J. D., et al. (2013). "Surgical Skill and Complication Rates after Bariatric Surgery." *New England Journal of Medicine* 369(15): 1434-1442

Sample Report Template for Hospital Variability in Total Cost: Left Colectomy Cases

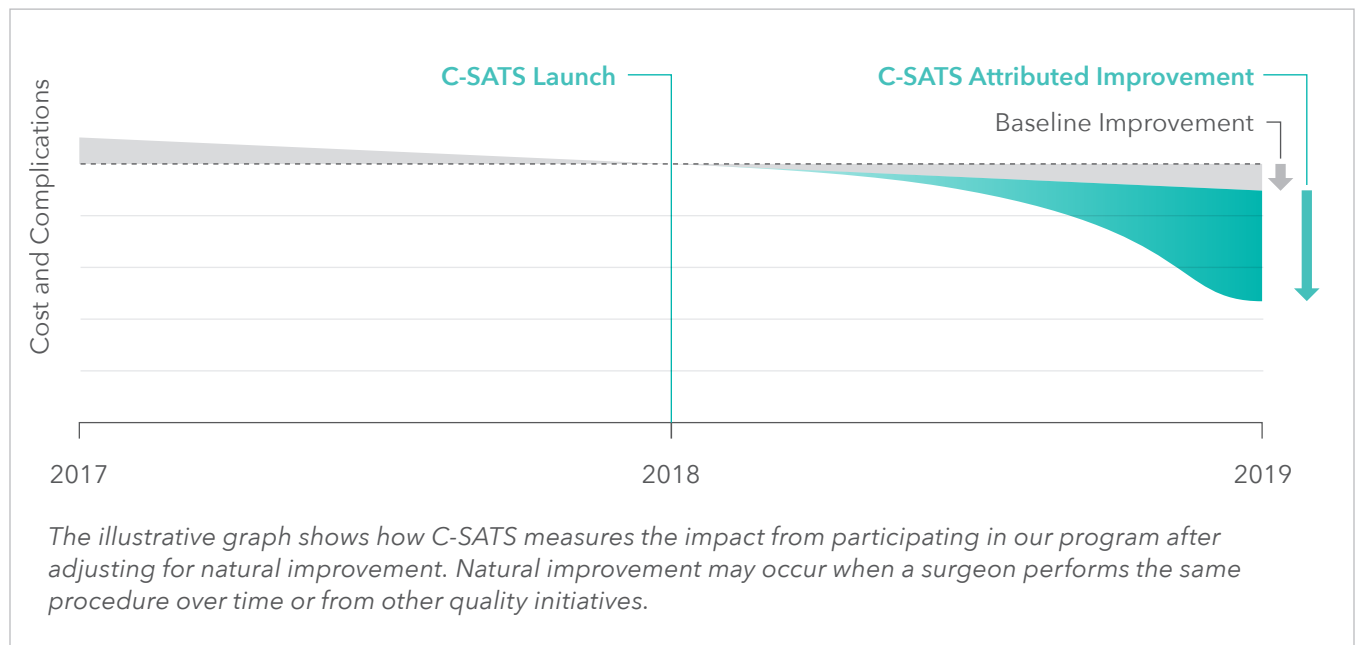


Methodology and Outcomes

C-SATS understands that every health care system's needs are different based on size, geography and complexity. Therefore, we work closely with your team to monitor and measure the impact of the C-SATS quality improvement program. To do this, we develop a program that is unique to you and your key performance indicators.

OUR APPROACH

- Receive and secure data on our HIPAA-compliant server
- Benchmark clinical and economic outcomes data prior to C-SATS implementation
- Define hypotheses by identifying the variability drivers
- Analyze data post-C-SATS implementation for outcomes improvement
- Deliver C-SATS program results



We are committed to tracking the impact of C-SATS throughout the lifetime of the program to make sure it is as successful as possible for your health care system.

Connect with Us

Email info@csats.com to explore how C-SATS measures surgical variation, complications, and costs, with the goal of helping to improve patient care.

Join the conversation

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