



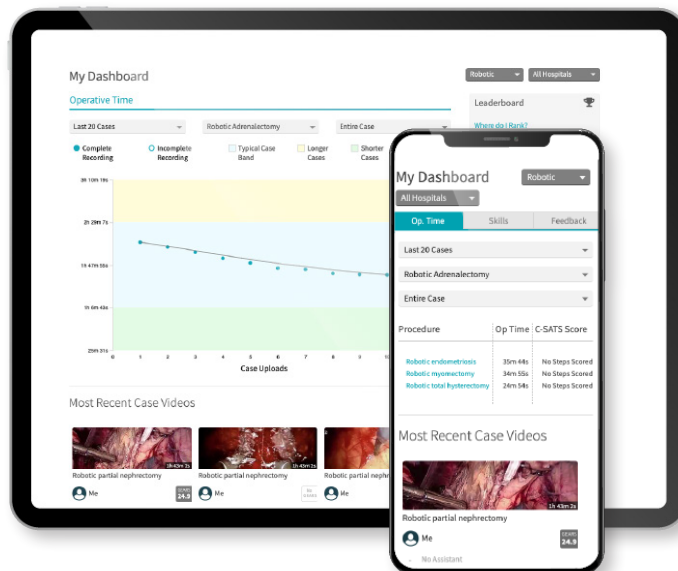
# Fuel your learning journey with a powerful surgical insights platform

## The Challenge

Opportunities can be few and far between for professional learning following a surgeon's time in residency and fellowship. Interactions with peers and the ability to gain actionable insights and learn new techniques while a procedure is still fresh in a surgeon's mind often require a concerted effort.

## Enabling Continuous Learning

Built for surgeons by surgeons, C-SATS is a cloud-based, surgical learning and insights platform, designed to drive surgical excellence at all levels. By harnessing the power of data analytics and human observation, surgeons can uncover valuable insights and share their expertise with the broader peer community.



### Surgical video capture & storage

#### Securely capture and store your surgical videos

Seamless video capture from any (agnostic) Minimally Invasive Surgery (MIS) platform and automatic upload to your cloud-based, HIPAA-compliant library.



### Clinical insights & analytics

#### Track your performance and refine your skills

Unlock powerful clinical insights and analytics from your private dashboard, on demand. Monitor metrics that matter and trends over time.



### Unbiased assessment & feedback

#### Gain expert feedback and benchmark yourself

Submit your case videos for review by expert surgeons and crowd-sourced reviewers. Receive unbiased assessment and feedback on your skill and technique.



### Personalized learning & sharing

#### Learn and advance with your peers

Get 24/7 access to personalized coaching, telementoring and peer-to-peer support. Contribute to the community by sharing your expertise with others.

The features and benefits of the C-SATS platform are designed to help advance your learning journey and surgical skills:

## Surgical video capture & storage

**Secure Video Capture & Storage:** The C-SATS tablet enables direct, encrypted upload of any MIS procedure video to a secure, cloud-based platform.

**Case Video Library:** HIPAA-compliant, HITRUST Certified and accessible only to you, 24/7. With advanced filtering functions, store all your surgical cases in one cloud-based location.

**Automatic Deidentification:** Machine Learning (ML) algorithms remove all Personal Health Information (PHI) from surgical cases prior to storage in your private video library.

**Edit & Annotate Videos:** (Coming soon) Trim, telestrate and add comments to further capture nuances and complexities of the procedure and/or learnings and takeaways for the future.

**Automatic Steps Segmentation for Select Procedures:** (Coming soon) ML algorithms are used to detect steps for select procedures within 12 hours following case upload to C-SATS.

**Share Your Videos for Peer Feedback:** Upload your procedure videos and anonymously share with our vetted community of experts and peers for feedback and insights on your skills and technique.

## Clinical insights & analytics

**Step Segmentation for All Procedures within 24 Hours:** ML algorithms and human insights allow for any case video submitted to be curated into the specific steps and posted to your personal video library.

**Surgical Analytics & Benchmarks:** Access your private dashboard to monitor your performance over time. Establish a baseline, gain visibility into the time it takes to perform a procedure compared to other surgeons doing the same procedure:

- **Operative Time:** Plots all completed cases submitted and displays a trend line with a minimum of 5 cases uploaded. Better understanding operative time trends may help you identify outlier cases.
- **Select Instrumentation Use Time and Focus Step Time:** Shows trends for all cases submitted. Computer vision (CV) algorithm performance may vary.

**Machine Learning (ML) Insights:** Leverages Natural Language Processing (NLP) to aggregate expert feedback by sentiment and streamline qualitative comments. (Coming soon) C-SATS is actively developing CV models to measure surgical steps, and identify the different tools (currently endocutters, suture, mesh) used in each step to derive surgical insights. CV algorithm performance may vary.

**Expert Feedback:** Qualitative feedback on your skill and technique from a vetted community of 300+ surgical experts across 10+ specialties. Amount of expert feedback received varies depending on membership level.

## Unbiased assessment & feedback

**Unbiased Performance Assessments:** Crowd-sourced reviewers generate aggregate score of GEARS/GOALS domains by case, as well as individual domain scores for each step in the procedure. Side-by-side video comparison of select domains.

- **Global Evaluative Assessment of Robotic Skills (GEARS):** Depth Perception; Bi-manual Dexterity; Efficiency; Force Sensitivity; Robotic Control
- **Global Operative Assessment of Laparoscopic Skills (GOALS):** Depth Perception; Bi-manual Dexterity; Efficiency; Tissue Handling

**Tailored Clinical Insights & Custom Analytics:** Monthly and quarterly progress report-outs on program metrics and clinical insights. Requires a data sharing agreement.

**Dedicated Support Team:** Territory manager on-site and virtual support. Technical support including software upgrades.

## Personalized learning & sharing

**Learning Academy:** With advanced filtering functions, access over 11,000+ procedure videos and expert case studies. Review as a warm-up/preparation for an upcoming procedure, or simply to study and learn.

**Surgeon Community:** Connect to peers and over 300+ experts across 10+ specialties. Join in peer discussion—view surgical cases, ask questions and share your insights. Performing surgeons always remain anonymous. Commenting surgeons can opt in/out of being anonymous.

## Connect with Us

Explore all that C-SATS has to offer. Visit [www.csats.com](http://www.csats.com)

## Join the conversation

[in](#) Company/C-SATS-Inc [t](#) @CSATSInc [f](#) @CSATSInc