

# Medtronic

## Support performance improvement while protecting data and budgets



Today, over 50% of surgeons are recording their surgical video and another 30% are considering recording in the future.<sup>1</sup>

How will your institution manage this growing volume of data in a secure, usable, and cost-effective way?

## Touch Surgery™ ecosystem is your solution

+ Video

+ Performance Insights

+ Connectivity

+ Live Stream

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When residents have performed a surgery, I can pull the video up on the Touch Surgery™ app and we can go through the case. I cannot tell you how important that feedback is for our residents.”

- Dr. David Renton,  
General Surgeon,  
The Ohio State University  
Wexner Medical Center, US



### Achieve financial and environmental goals by switching to the cloud

We offer unlimited cloud-based storage, provided by AWS, which in recent studies can have these benefits over on-premise servers:

- An average of 44% cost savings over 5 years.<sup>2</sup>
- An average of 88% carbon footprint reduction.<sup>3</sup>



### Easily digitize your ORs

- Broad compatibility with most laparoscopic or robotic systems.
- A simple workflow to access videos and data on desktop or mobile devices.
- Our accredited team installs, trains and troubleshoots on-site.



<sup>1</sup> Inspired Health Market Research. May 2022. Data on file.

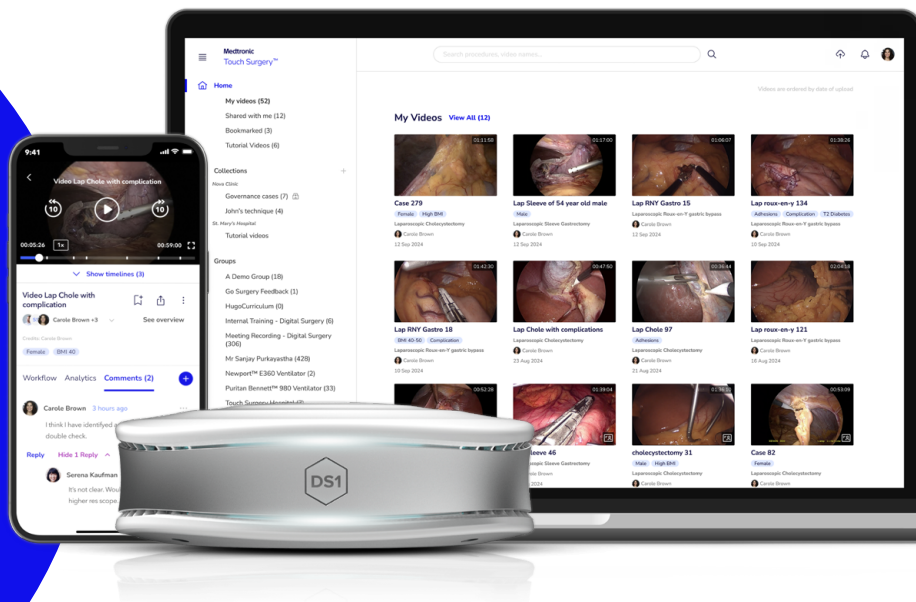
<sup>2</sup> Amazon Web Services. (2022). An Economic Analysis of the Cost Savings for Healthcare Providers from AWS Cloud. [Link here](#)

<sup>3</sup> Amazon Web Services. (2019). The carbon reduction opportunity of moving to Amazon web services. [Link here](#)



The Touch Surgery™ ecosystem changes the way we practice medicine in a very good way. The surgeon improves his technique<sup>4</sup> and team performance and we find the videos are very useful in patient conversations.”

- Dr. Daniel Cottam,  
Bariatric Surgeon,  
Bariatric Medicine Institute, US



## + Touch Surgery™ Video



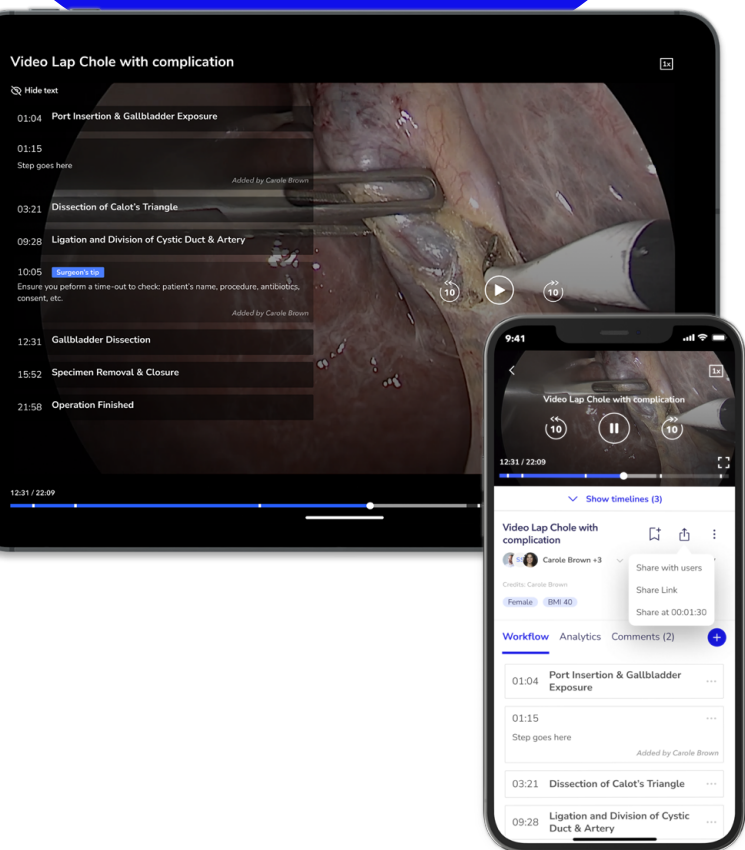
### Simplify the review

- Videos are available within minutes of upload.
- On average, surgeons go back to review every video uploaded to Touch Surgery™ ecosystem.<sup>5</sup>
- Automatically share videos with trainees.



### Protect patient data

- RedactORT™<sup>†</sup> automatically blurs video outside the body in real-time so patient and staff privacy is preserved.
- Conforms to HIPAA and HITECH and is audited against SOC2 Type II Standards.
- End-to-end encrypted upload to the cloud platform through a secure API.



<sup>4</sup> Based on a RCT in a porcine model. Singh P, Aggarwal R, Tahir M, Pucher PH, Darzi A. A randomized controlled study to evaluate the role of video-based coaching in training laparoscopic skills. Ann Surg. 2015;261(5):862-869.

<sup>5</sup> Survey of Medtronic surgeons, 2023-2024: SOU NPS Survey Mean Scores (v1.0) - TSE video technology allows surgeons to train other surgeons effectively (p.1) TSE video technology allows me to train other surgeons effectively (Attending Fellows Only) 88.

<sup>†</sup> RedactOR is only available for some types of laparoscopic and surgical robotic procedures.

## + Touch Surgery™ Performance Insights

We're building a portfolio of insights to help surgeons identify new ways to advance techniques.

Using AI, most insights available within 2-4 hours of upload.

- Videos are automatically segmented into key procedural phases.
- Case and phase durations are provided for each video and globally benchmarked to a surgeon's historical cases.
- Time-stamped annotations indicate when an instrument or anatomical structure is in view.
- Enhance self-directed learning with access to surgeon's trends over time.
- Compare case times against previous cases to refine technique and facilitate post-operative review.
- Personalized trend lines help surgeons track their progress.

And that's just the beginning. New insights and features are continuously added and pushed out through automatic software updates.



Sample of analyses available.

Please note: Performance Insights are available for select procedures, instruments, and anatomy.

## + Touch Surgery™ Connectivity

When there's a need to revisit a case, a video can really help but it's often difficult to find the file, let alone the key moments.

That's why we offer the option to access a video through a customized link right in the patient record.



## + Touch Surgery™ Live Stream

Expense, logistics, OR space and time limit opportunities for consistent in-person coaching intraoperatively.

Our solution makes it possible to stream procedural video<sup>†</sup>, operating room video, and audio to participants outside the room to maximize coaching, broadcasting and accessing technical support.

### ✓ Coaching



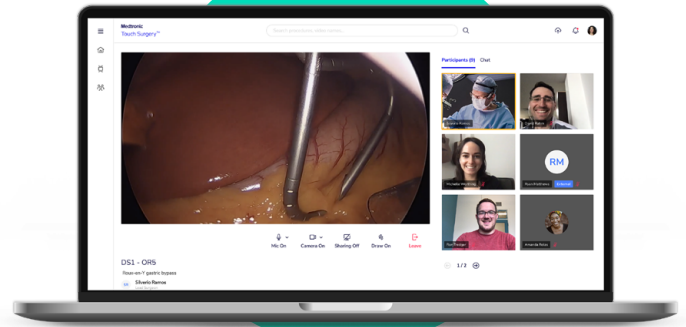
#### Expert

Stream in to provide coaching without endless travel.

#### Trainee

Stream out to follow-up your training with a 1:1 virtual coaching experience.

### ✓ Broadcasting



#### Expert

Stream out to broadcast your skills around the globe.

#### Trainee

Stream in to learn a new technique from an expert inside or outside your institution.

### ✓ Connect with Medtronic



- Minimize people added to the OR for product training.
- Contact a Medtronic rep to quickly troubleshoot.
- Interact with Medtronic R&D teams to share ideas.



[Visit us for more information and to book a demo!](#)

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<sup>†</sup>RedactOR is only available for some types of laparoscopic and surgical robotic procedures.

# **Medtronic** Touch Surgery™

PLEASE NOTE: Touch Surgery™ is not intended to direct surgery,  
or aid in diagnosis or treatment of a disease or condition.

RedactOR™ is available for some types of laparoscopic and surgical robotic procedures.