

Arrowsight Medical Solutions

Arrowsight Medical's highly focused 3rd Party Remote Video Auditing services have been published in top medical journals around the world since 2011. Compelling data has been reported on significantly improving quality, patient safety, efficiencies and training in surgery departments, intensive care units, and emergency departments.

Healthcare Providers Face Significant Government and Market Driven Challenges

- Health care executives are under incredible pressure from The Affordable Care Act's Value Based Purchasing program, which rewards high performing hospitals and conversely penalizes low performing hospitals largely based on scoring systems measuring Hospital Acquired Conditions and Patient Satisfaction.
- The FDA and Joint Commission have instructed health care providers to ensure proper reprocessing protocols for duodenoscopes, which have caused outbreaks of CRE (i.e. the superbug) in numerous health systems.
- Health care providers are currently engaged in intense competition to retain and/or recruit top surgeons and need to deliver safe and highly efficient services within surgery departments.

Featured Arrowsight Medical Remote Video Auditing (RVA) Applications

RVA Application	Goals	Results	Published Studies/Editorials
PPE* Compliance & Patient Flow Solutions Hospital Wide	<i>Reduce HAIs and improve patient flow from emergency dept. to patient floors, which improves patient satisfaction</i>	<i>95%+ PPE training compliance and 15%+ efficiencies</i>	<i>CID, AJIC, CEIN, JAMA, BMJ</i>
Duodenoscope Reprocessing	<i>Prevent CRE outbreaks</i>	<i>99%+ compliance</i>	<i>The Joint Commission Journal on Quality and Patient Safety, ISQUA</i>
Patient Safety & Patient Flow Solutions in Surgery Departments	<i>Reduce risk of wrong site surgeries, retained foreign bodies, surgical site infections, and reduce turnover time and first case start delays</i>	<i>95%+ safety compliance and 15%+ OR throughput improvements, which lead to increased case volumes & higher surgeon satisfaction</i>	<i>BMJ Quality & Safety Study & Editorial</i>

*PPE = Personal Protective Equipment (i.e. gowns, gloves, masks, caps)

Featured Published Studies & Editorials About Remote Video Auditing

Clinical Infectious Diseases
MAJOR ARTICLE

Using High-Technology to Enforce Low-Technology Safety Measures: The Use of Third-party Remote Video Auditing and Real-time Feedback in Healthcare

Donna Armellino,¹ Erfan Hussain,² Mary Ellen Schilling,¹ William Senicola,³ Ann Eichorn,³ Yosef Dlugacz,³ and Bruce F. Farber⁴

2011 Published Study

JAMA The Journal of the American Medical Association

The Power of Video Recording
Taking Quality to the Next Level

Martin A. Makary, MD, MPH
JAMA. 2013;309(15):1591-1592. doi:10.1001/jama.2013.595.

2013 Published Editorial

BMJ Quality & Safety

The international journal of healthcare improvement

Remote video auditing with real-time feedback in an academic surgical suite improves safety and efficiency metrics: a cluster randomised study

Frank J Overdyk,¹ Oonagh Dowling,² Sheldon Newman,¹ David G

2015 Published Study

BMJ Quality & Safety

The international journal of healthcare improvement

Video transparency: a powerful tool for patient safety and quality improvement

“This is a Landmark Study...”

Sarah Joo,¹ Tim Xu,² Martin A Makary,^{1,2}

2016 Published Editorial

In the Press

Arrowsight PPE Compliance & Patient Flow Solutions – Hospital Wide

RVA Review of PPE Compliance for Isolation Rooms & RVA of Patient Flow Metrics



REPORT

Daily summary reports & text alerts

Dual Use Mega-Pixel Hallway Cameras



Isolation Rooms: PPE Donning & Doffing Compliance Metrics & Alerts

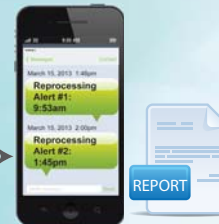


Patient Flow: Discharge → Cleaning → Admission Time Metrics & Delay Alerts



Arrowsight Duodenoscope Reprocessing Services

RVA Review of Multi-Step Reprocessing (Examples of major steps)



REPORT

Daily summary reports & text alerts

Long Brush



Short Brush



Elevator Left in Center



Swab Test



Arrowsight Quality, Patient Safety & OR Throughput Services – Surgery Department

TIMEOUT & SIGN-OUT



OR CLEANING



LIVE OR STATUS



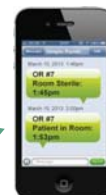
Real Time Current Shift OR Data

Room	Start Time	End Time	Status
OR1	08:00 AM	12:00 PM	Completed
OR2	08:00 AM	12:00 PM	In Progress
OR3	08:00 AM	12:00 PM	Completed
OR4	08:00 AM	12:00 PM	In Progress

Room	Start Time	End Time	Status
OR1	08:00 AM	12:00 PM	Completed
OR2	08:00 AM	12:00 PM	In Progress
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Daily summary reports & text alerts



For More Information

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