



THE POWER OF REGISTRY DATA.

AAOS REGISTRIES

## Thank you for joining us today:

The webinar will begin at:
1 PM ET, 12 PM CT, 11 AM MT, 10 AM PT

We look forward to your participation!

# ABOUT SER

- Working in collaboration with the specialty societies, the Academy created this Registry to collect shoulder and elbow procedural data across the United States.
- National data allows for establishing survivorship curves, tracking revisions, and improving the quality of patient care.
- Individual data can be accessed and used for performance improvement and quality initiatives on RegistryInsights® for site and surgeon users.

# SER DATA ELEMENT OVERVIEW

#### **Procedure**

#### **Patient**

- Name, Date of Birth, SSN
- Diagnosis (ICD-10, CPT)
- Gender
- · Race/Ethnicity
- Height + Weight/Body Mass Index
- Payer Status

#### **Site of Service**

Name and Address (TIN, NPI)

#### Surgeon

- Name (NPI)
- Trainee

#### **Procedure**

- Type (ICD-10, CPT)
- Date of Surgery, Length of Stay
- Surgical Approach
- Surgical Technique
- Laterality
- Implants (Manufacturer, Lot #)
- Anesthesia



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#### **Module-specific Procedural Elements**

- Shoulder Arthroplasty Module: Includes codes for replacements, revisions, and fractures
- Elbow Arthroplasty Module: Ulnar Nerve Management
- Rotator Cuff Repair Module: Expanded ICD-10 and CPT options for shoulder, including muscle, tendon, and arthroscopy codes

#### **Comorbidities & Complications**

- Comorbidities (ICD-10, CPT)
- Height + Weight/Body Mass Index
- Length of Stay
- American Society of Anesthesiologists Score
- Charlson Index
- Operative and Post-operative Complications

#### **Patient-reported Outcome**

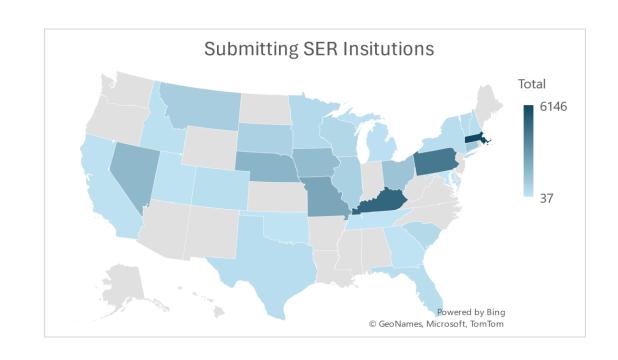
- PROMIS-10 Global
- VR-12
- SANE
- ASES

#### **Three Modules Available**

- Shoulder Arthroplasty
- Elbow Arthroplasty
- Rotator Cuff Repair

## **SER PROGRESS**

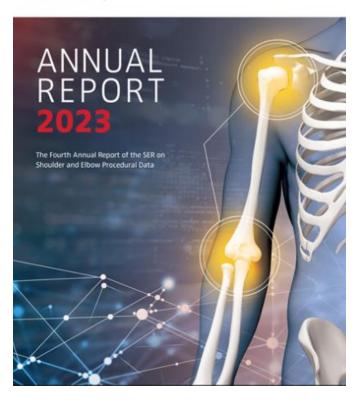
- Over 55,000 procedures submitted
- Over 140 contracted sites
- Representing over 50,000 unique patient cases



## **SER HIGHLIGHTS**

- Access to National Benchmarking on dashboards and reports
- Qualify for quality and accreditation programs
- 5-Year Anniversary of the SER Annual Report coming soon





# Surgeon Dashboards

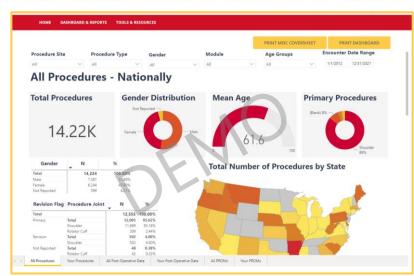
## **Authorized Surgeon Users**

- View their procedural, post-operative and PROM data
- National benchmarks for comparison measures
- Print participation letter for ABOS MOC credits
- Access the Shoulder Arthroplasty Predictive (SHARP) Model



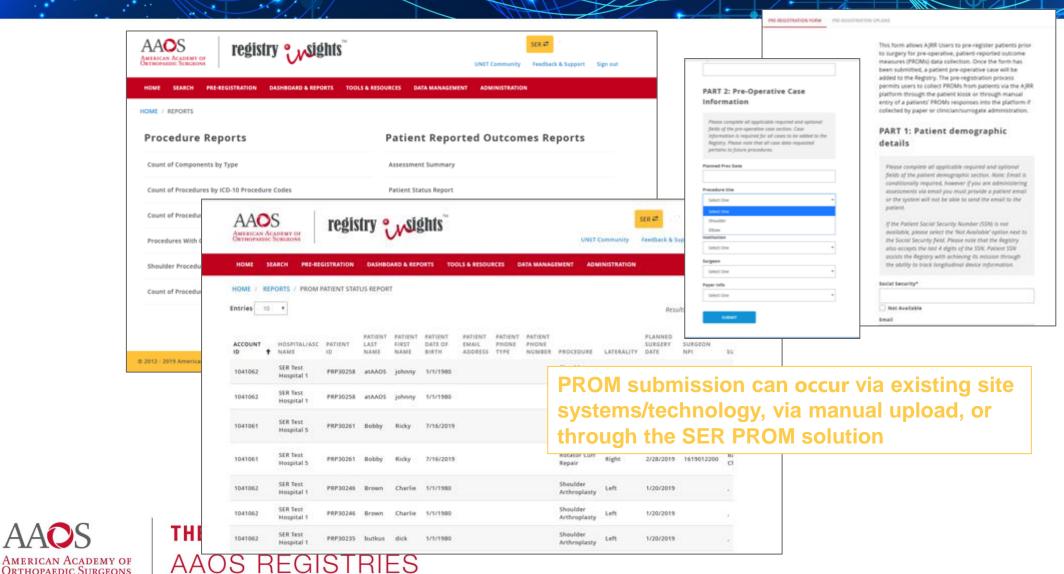
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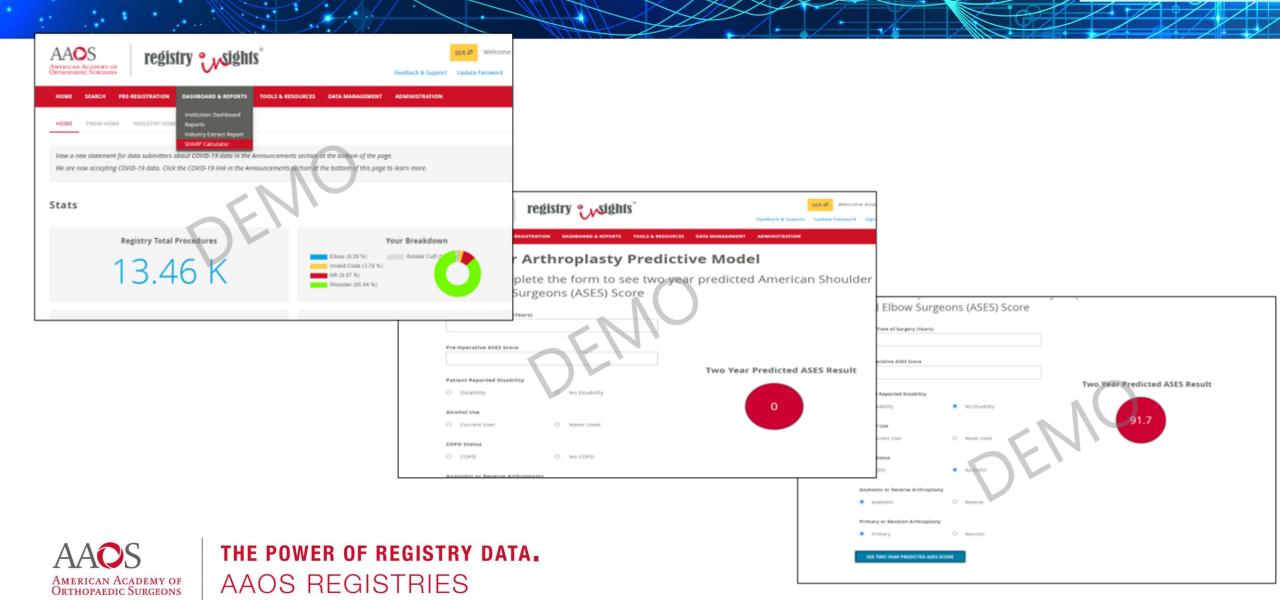


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	Two Year Predicted ASES Result
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O Never Used	
	ete the form to see two rgeons (ASES) Score

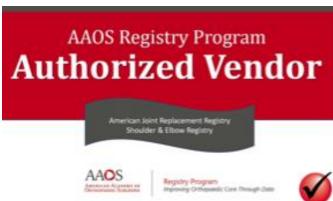
# PROM MANAGEMENT



# ACCESSING THE SHARP CALCULATOR







# DECREASE DATA COLLECTION BURDEN

- AAOS has partnered with technology vendors to facilitate the data submission process
- Re-use data that already exists in medical record, practice management and PRO systems
- Direct data submission and management can be handled by a technology provider with sites able to fix rejected files



AMERICAN
JOINT REPLACEMENT
REGISTRY

## HOW TO GET INVOLVED WITH THE SER

# Standard SER Participation

Self-service option for sites.

Utilize their own resources and technology to extract data from their EHR.

Format data to match submission specifications.

Set up regular submission via SFTP pathway or manual upload into Registry Insights.

# Authorized Vendor Program

Partnerships with various EHR and technology vendors.

Vendors assist in data submission process.

Extract or send data on behalf of sites.

## SER Powered by PatientIQ

EHR integration option.

Automatically extract and formats data in alignment with AAOS specifications.

Submit data monthly to the Registry on behalf of sites.

Significantly reduces resource burden and time required for onboarding and submission.

\*Non-integrated option also offered



## PATIENTIQ INTRODUCTION

Founded in 2016

Headquartered in Chicago, IL

6+ Million Patients Enrolled

500+ Hospitals & Growing

#### **OUR MISSION**

- Capture and translate patient outcomes into actionable data
- Drive system-wide quality improvement through outcomes data
- Improve the patient experience with personalized medicine







## **500+ Successful Implementations**

## **20+ EHRs Supported**

"I have overseen countless healthcare technology implementations, and PatientIQ's was remarkably smooth end-to-end. The way their technology seamlessly integrated with our existing systems and workflows was truly impressive."

Tatiana Arreglado, D.N.P., M.S.N., R.N.

Director - Information Technology Clinical Optimization and Process Improvement University of Miami Health System



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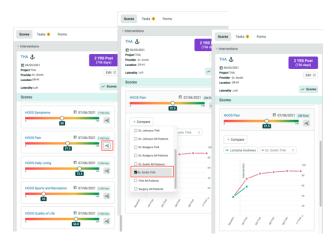
#### **Automated Data Collection**

EHR-integrated data abstraction **Automated PRO collection** 



### Real-time Insights

Benchmarking EHR-embedded scores data



#### **Enterprise-Wide Analytics**

PatientIQ reporting dashboards Advanced analytics









# **SER POWERED BY PATIENTIQ**

AAOS has partnered with PatientIQ to make it easier than ever to participate in the registries

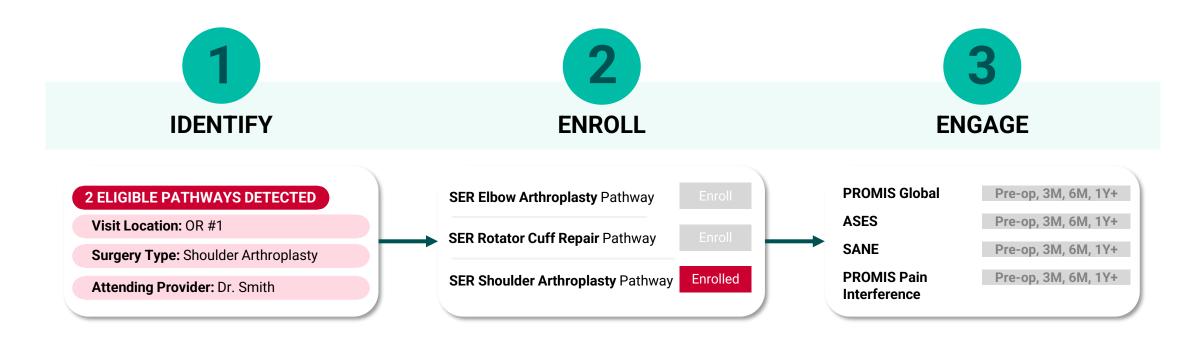
Registry Participation Options				
	Standard SER Participation	AAOS Authorized Vendor Program	SER powered by PatientIQ*	
Automated collection of procedure data			<b>✓</b>	
2. Automated collection of patient-reported outcomes data		<b>✓</b>	<b>✓</b>	
3. EHR-embedded forms to collect optional surgical information			<b>✓</b>	
4. Data aggregation and translation to meet registry specifications		<b>✓</b>	<b>✓</b>	
5. Automated monthly submission to AAOS		<b>✓</b>	<b>~</b>	

<sup>\*</sup>Pricing available upon request, option to leverage PatientIQ for larger patient-reported outcomes solution or for registry participation only





## **AUTOMATED PATIENT ENROLLMENT**

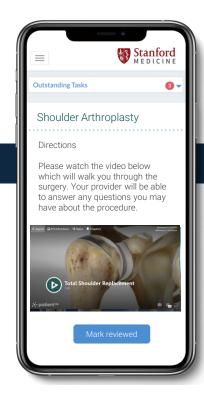


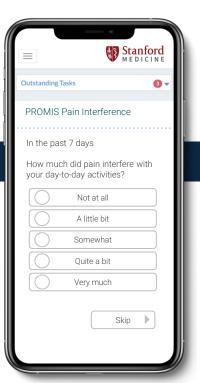




## **AUTOMATED PRO DATA COLLECTION**







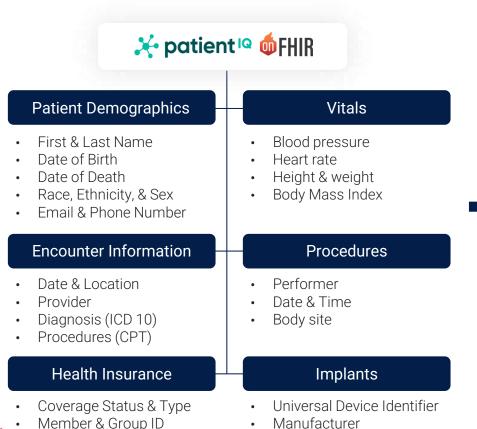


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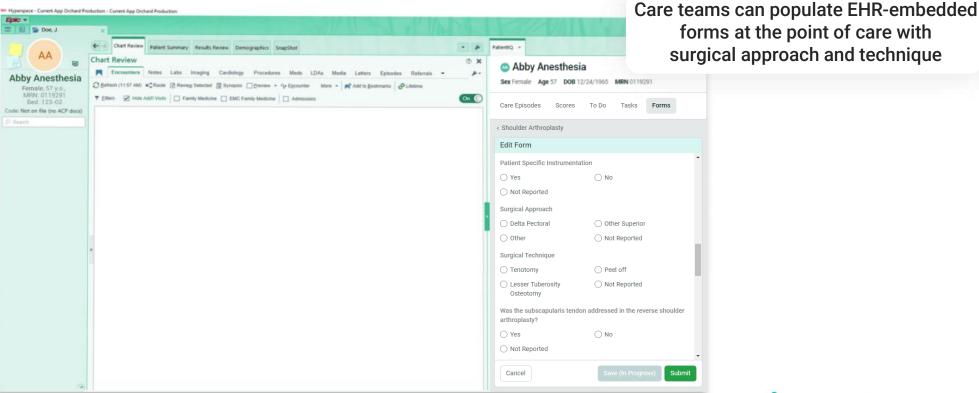
## **AUTOMATED PROCEDURE DATA COLLECTION**



SER forms are embedded directly in the Test Logic EHR and auto-populated with all data Sex Female Age 23 DOB 01/01/2000 MRN 01010 required for submission FTR Ankle Module Edit Form \* Required fields are marked by an asterisk. Procedure Date \* 6/6/2023 X 🛱 Patient Information Patient Institution ID 010101911 Patient SSN XXXXXXXXX Save (In Progress) Submit Cancel



## OPTIONAL SUPPLEMENTAL DATA COLLECTION

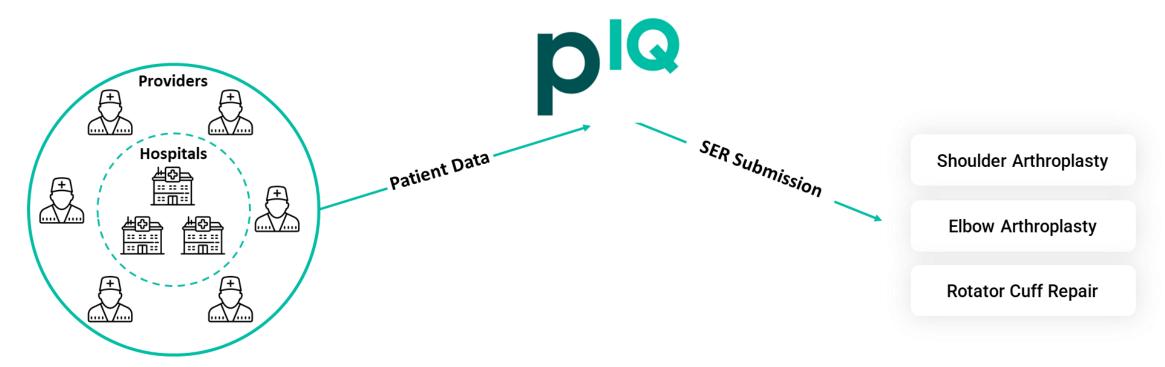






## **AUTOMATED SUBMISSION TO SER**

PatientIQ will aggregate, validate, transform, and submit data to SER monthly







# CONTACT THE AAOS REGISTRY PROGRAM

- General: RegistryInfo@aaos.org
- Contracts, Invoicing, & Onboarding: <a href="mailto:RegistryEngagement@aaos.org">RegistryEngagement@aaos.org</a>
- Business Hours: Monday through Friday, 8 a.m. to 4 p.m. Central Time

# **Thank You!**