

the power of
DATA

The AAOS Shoulder & Elbow Registry

The Shoulder & Elbow Registry (SER) is part of the American Academy of Orthopaedic Surgeons (AAOS) Registry Program. Launched in 2018, its goal is to collect data on shoulder arthroplasty, elbow arthroplasty, and rotator cuff repair procedures performed across the U.S. This data will help improve patient care by providing actionable insights to participating sites and surgeons, informing the development of performance metrics and standards of care, and supporting quality improvement initiatives and advocacy across orthopaedics.

By collecting and reporting data, the SER provides actionable information to guide physicians and patient decision making to improve care. Participation in the SER offers a variety of data reuse opportunities including requirements for quality initiatives, state collaboratives, maintaining accreditations, payment incentive and center of excellence programs. Please see the Registry Data Reuse Opportunities for the comprehensive list.

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For more information and to stay up to date on new features and enhancements for SER, scan this QR code.

Data Element Overview

PROCEDURAL

Patient

- Name (Last, First)
- Date of Birth
- Social Security Number
- Diagnosis (ICD-10)
- Gender
- Race/Ethnicity
- Height + Weight/Body Mass Index
- Payer Status

Site of Service

- Name and Address (TIN, NPI)

Surgeon

- Name (NPI)

Procedure

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

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)
- 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 or VR-12
- ASES
- SANE

Also Accepted:

- PROMIS Upper Extremity
- PROMIS Physical Function
- PROMIS-29
- PROMIS Anxiety
- PROMIS Depression
- PROMIS Pain Interference
- PROMIS-CAT*

**Accepting summary scores only*

This page is a summary of the SER data elements and is not all inclusive.

Modules Available

- Shoulder Arthroplasty
- Elbow Arthroplasty
- Rotator Cuff Repair

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