

Overview

The Shoulder & Elbow Registry (SER) is part of the American Academy of Orthopaedic Surgeons (AAOS) Registry Program. 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.

Participation Benefits

Hospitals, surgery centers, practice groups, surgeons, and site administrators can all benefit from SER participation. The Registry's value includes:

- Informing decisions by utilizing SER metrics
- Meeting the participation standards of federal quality initiatives, insurer's distinction programs, and certification programs
- Reducing complication and revision rates
- Sharing ideas through the User Group Network and discussing best practices
- Early detection capabilities for identifying poorly performing implants
- A Public Advisory Board that helps ensure the patient voice is represented
- Participating in a quality improvement program such as the AAOS Registry Program shows your patients your commitment to quality care

Participation Features

- All-access Authorized User to manage site participation, *one account included*
- Data Submission User accounts to manage submissions, *unlimited accounts included*
- Surgeon User accounts to access dashboards on their patient care, *unlimited accounts for AAOS member surgeons*
- Ability to reuse data for performance and quality improvement initiatives including submission for the Centers for Medicare & Medicaid Services' Merit-based Incentive Payment System and the American Board of Orthopaedic Surgery's Maintenance of Certification Part II
- Dashboard access to national comparison and benchmarking reports
- Custom reports created by our Analytics team
- Access to our patient-reported outcome (PRO) portal to administer and analyze your patient surveys
- Comprehensive onboarding and training
- Access to monthly Registry webinars and ongoing data and technical support
- Facility's recognition in *Annual Report* and AAOS website

Data Elements

AAOS Shoulder & Elbow Registry Data Elements

Procedural

Patient

- Name (Last, First)
- Date of Birth
- Social Security Number
- Diagnosis (ICD-10)
- Gender
- Race/Ethnicity
- Payer Status

Hospital/Practice

- Name and Address

Surgeon

- Name (National Provider Identifier)

Procedure

- Type (ICD-10)
- Date of Surgery
- Laterality
- Implants

Other*

- Comorbidities (ICD-10)
- Height + Weight/Body Mass Index
- Length of Stay
- American Society of Anesthesiologists Score
- Operative Complications

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

Post-operative

- Post-operative Complications

90-day Re-admission

- Re-admission Diagnosis (ICD-10)
- Re-admission Procedure Type (ICD-10)
- Re-admission Date/Discharge Date

Patient-reported Outcome Measures

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

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