New AAOS Registry Insights Enhancements You Should Know About

www.aaos.org/registries
Agenda

• AAOS Registry Program Overview
• Q4 2019 and 2020 Release Review
• RegistryInsights® Enhancements Review
• Question & Answer
At the Core of Academy Strategy

Registry Effort Goals

- Collect unique clinical information demonstrating real-world practice
- Enable performance measurement by physicians for physicians
- Facilitate national registry-driven quality improvement programs
- Support novel scientific research
AAOS Family of Registries

AAOS Board of Directors

Registry Oversight Committee (ROC)

Collaborative Registries

Collaborative Registry with AANS & AAOS American Spine Registry (ASR)
   Cervical Degenerative Spine
   Lumbar Degenerative Spine
   Accepts data from 2016 - present

Shoulder & Elbow Registry (SER)
   Shoulder Arthroplasty
   Rotator Cuff Repair
   Elbow Arthroplasty
   Accepts data from 2016 - present

American Joint Replacement Registry (AJRR)
   Hip Arthroplasty
   Knee Arthroplasty
   Accepts data from 2012 - present

Musculoskeletal Tumor Registry (MsTR)
   Orthopaedic Oncology
   Accepts data from 2016 - present
Registry Participation

Over 1,450 participating sites contracted and 11,200 registered surgeons across all 50 states.

Data representing over 1,860,000 procedures capturing over 40% of all US TJA volume annually.
Data Reuse Opportunities

Participation in the American Academy of Orthopaedic Surgeons (AAOS) Registry Program offers a wide variety of data reuse opportunities including requirements for quality initiatives and state collaboratives.

- AAOS RegistryInsights® Platform Standard Reports and personalized dashboards
- AAOS RegistryInsights National Benchmarks
- Accreditation Association for Ambulatory Health Care (AAAHC) Advanced Orthopaedic Certification
- Aetna Institutes of Quality (IOQ) Orthopaedic Surgery
- American Board of Orthopaedic Surgeons (ABOS) Maintenance of Certification (MOC) Program
- BlueCross BlueShield Blue Distinction Specialty Care
- Blue Shield of California waiver of prior authorization
- Bree Collaborative
- CMS Merit-based Incentive Payment System (MIPS) Promoting Interoperability (PI) and Quality Payment Program (QPP)
- Centers for Medicare & Medicaid Services (CMS) Bundled Payments for Care Improvement Advanced (BPCI-A)
- CMS Comprehensive Care for Joint Replacement (CJR) Model
- Cigna Surgical Treatment Support Program
- DNV GL Orthopaedic Center of Excellence
- The Alliance QualityPath
- The Joint Commission Advanced Certification for Total Hip & Knee Replacement
Three Ways to Access Data

- Registry Insights® Dashboards
- Custom Reports
- Registry Analytics Institute™
Custom Reports

Custom reports created by our analytics team to help understand and package your site data in an actionable format

Custom reports can include site specific metrics and shape continuous improvements to the canned dashboards provided

Aggregated reports and national benchmarks for every metric across all data submitted including procedural, post-operative and PROMs data can be provided at your site level
RegistryInsights® Dashboards

- On-demand practice specific dashboards
- Compare your practice to national performance benchmarks
- Unlimited surgeon accounts with access to system, site, and surgeon level dashboards
Registry Analytics Institute™

- The goal of the AAOS Registry Analytics Institute is to provide a resource to the scientific community to further understand and improve orthopaedic and musculoskeletal care by making data available to examine outcomes related to orthopaedics.
  - The Institute provides clinicians and clinician-scientists the opportunity to submit proposals for analytic insight that are contained within its various registries.
  - Selected awardees receive statistical support, data analyses, and potential monetary support.
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Quarter Four 2019 & Quarter One 2020:

- 4.1.4. Registry Insights Release: Launch of American Spine Registry Platform

- 4.1.5. Registry Insights Release – Self Service User Management

- 4.2 Registry Insights Release – Additional Self Service User management enhancements – Released on 4/8/20
4.2 Release Details

• **Increased efficiency in the participant onboarding process** by providing an interface to upload test files, validating that file with the same logic that is currently used for Production data intake and providing a report back to the user that advises them of any errors or needed modifications in their submission.

• **Introducing Rotator Cuff** as a module within the Shoulder and Elbow Registry, enabling the processing of Rotator Cuff files and displaying Rotator Cuff dashboards and reports.
4.2 Release Details

• Displaying **new TJC visuals** on the Your Performance Measures tab in AJRR PowerBI dashboards.

• **Additional details for flagged and rejected records** to help participants troubleshoot file issues.
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RegistryInsights®

• New Features and Functionality
  o Self Service User Management
    ▪ Authorized User can create Data submission User; Surgeon Authorized User; Prom Site Administrator and Clinician user.
    ▪ All users can now update their passwords within Registry Insights Platform
RegistryInsights®

• New Features and Functionality
  o Dashboard Functionality improvements
    ▪ PROM and POST OP Dashboard Update
    ▪ Printing Site Dashboard w/ timestamp
    ▪ Printing Registry Participation Letter

DATA MANAGEMENT  ADMINISTRATION

PRINT PARTICIPATION LETTER  PRINT DASHBOARD

AAOS
American Academy of Orthopaedic Surgeons
Registry Program
Improving Orthopaedic Care Through Data
Registry Insights®

- New Features and Functionality
  - Performance Measures Dashboard Tab
    - TJC & 109 performance measurement visuals
Registry Insights®

- New Features and Functionality
  - Dashboard Functionality improvements
    - Improved Filter functionality on institution dashboards
RegistryInsights®

• New Features and Functionality
  o My Test Data Section
    ▪ Authorized Users and Data Submission Users
RegistryInsights®

• New Features and Functionality
  o My Test Data Section
    ▪ Data management now has test upload section dropdown
    ▪ Search section now has Test vs Production dropdown
RegistryInsights®

• New Features and Functionality
  o Flagged and Rejected Records Review

- Case Flagged records are reviewed by AAOS staff and no action is required.
- Flagged records were successfully processed, but contain values for individual data elements that do not align with AAOS' data specifications.
  These values are excluded from the case details.

### Processing Details

<table>
<thead>
<tr>
<th>Case Flagged</th>
<th>Failed Field Name</th>
<th>Status</th>
<th>Internal Review</th>
<th>Submitted Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case: Missing/Multiple Site(s)</td>
<td>N/A</td>
<td>CaseFlagged</td>
<td>No</td>
<td>View</td>
</tr>
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<tr>
<td>Case Flagged</td>
<td>Patient Height Metric</td>
<td>N/A</td>
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</table>

### Rejected Field Detail

Patient Weight (08/07/1960) is not Numeric
RegistryInsights®

- New Features and Functionality
  - Registry Module Drop Down

[Image of the RegistryInsights interface showing file upload and drop-down menus for procedure site, type, gender, age groups, and encounter date range.]
RegistryInsights®

• New Features and Functionality
  o Roadmap for 2020
    ▪ Self Service Functionality
    ▪ UNET Section of RI
  o Enhancement User Feedback
    ▪ Performance Measures
    ▪ User Role Management
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