Drive Quality Through Your American Joint Replacement Registry Data

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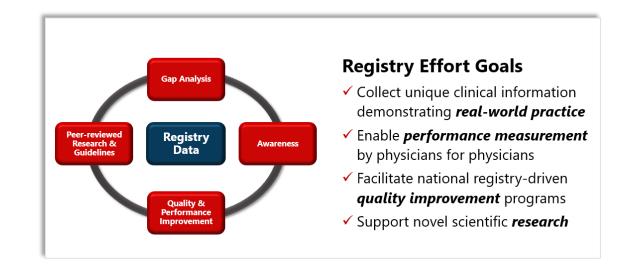


www.aaos.org/registries



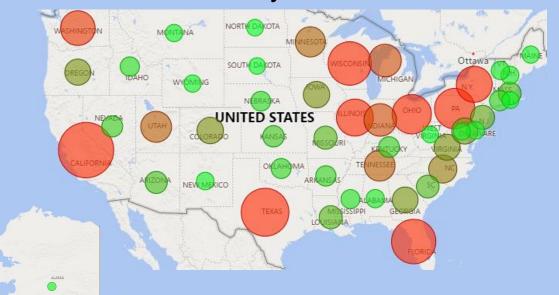
Agenda

- American Joint Replacement Registry (AJRR) Overview
- Leveraging Registries for:
 - Orthopaedic Certifications
 - Payer Programs
 - CMS Requirements
- Dashboard Feedback
- Q&A



Participation Across the Registries

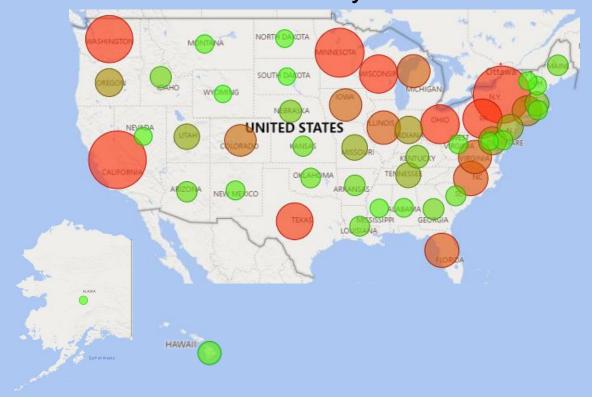
Sites by State

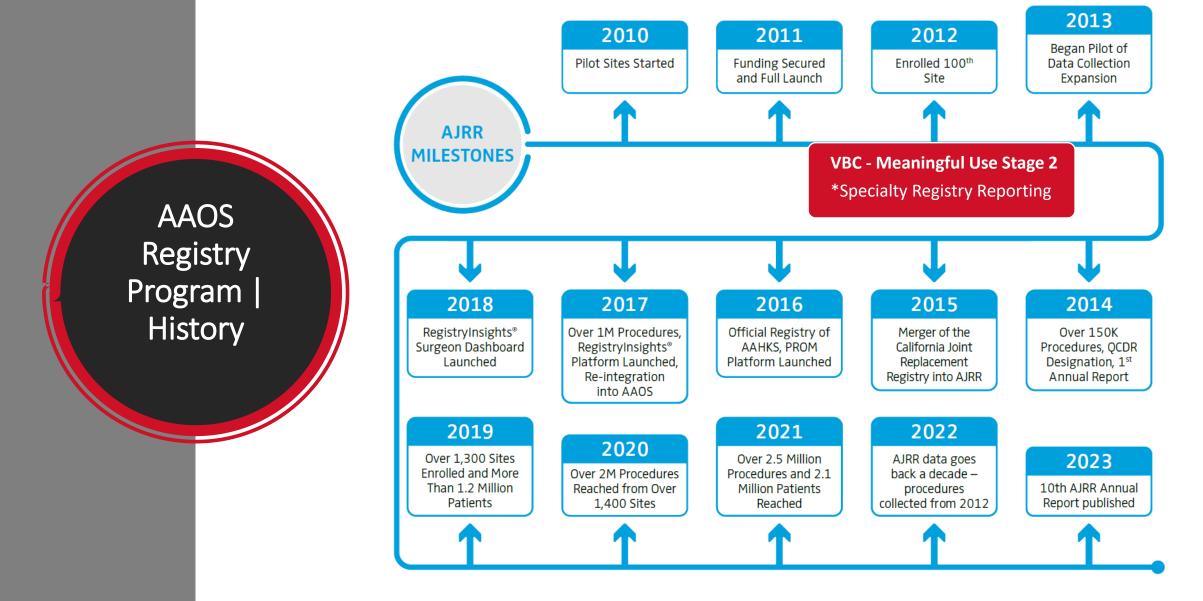


The AJRR has been shown to be representative of national trends and contains data representing over 3.5M procedures.

Over 1,400 participating sites contracted and 14,000 registered surgeons across all 50 states.

Procedures by State





Registry Data Collection | Data Elements

Procedure

- Patient Demographics
- Site/Surgeon Identifiers
- Procedure Codes (CPT, ICD-10, ICD-9)
- Diagnosis Codes
- Implants
- Admission/Discharge Dates
- Operative Start & End Times
- Comorbidities & Complications
- Anatomic-specific elements relevant to procedure type
- Measure-related Data Elements

Post-Discharge

- Matching Patient & Procedure Identifiers
- Readmission Diagnosis Codes
- Readmission Procedure Codes
- Comorbidities & Post-Operative Complications
- Implants (2024)

Patient-Reported Outcome Measures (PROMs)

- Matching Patient & Procedure Identifiers
- Examples:
- Global Health Assessments
 - PROMIS-10
 - VR-12
- Anatomic/Joint-Specific Assessments
 - HOOS/KOOS Jr.



Registry Data Access Surgeon Dashboards

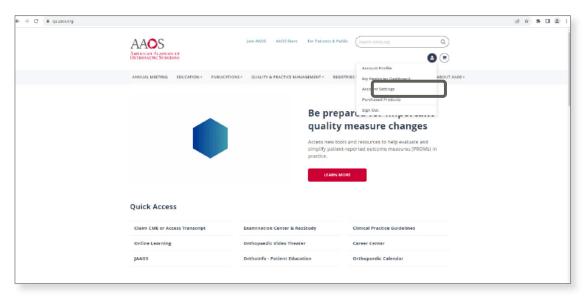
Inform your practice through surgeon-specific dashboards

- Individual procedure, postdischarge, & PROMs data on the RegistryInsights® platform
- National & Institution level comparisons
- Complications & Patient-Reported Outcomes (PRO) tracking

How to Access the Registry Surgeon Dashboards on AAOS.org

Below are steps to access surgeon authorized dashboards via the AAOS website:

- 1. Go to AAOS.org and choose to login.
- 2. Enter your username and password.
- 3. Click on the MyAccount icon (small person next to the shopping cart icon on the top right under the search box) and choose "My Registries Dashboard."







Data considerations – Is comorbidity index higher or lower than your peers? Are there different approaches for your specific patient population based on outcomes data in the dashboard?





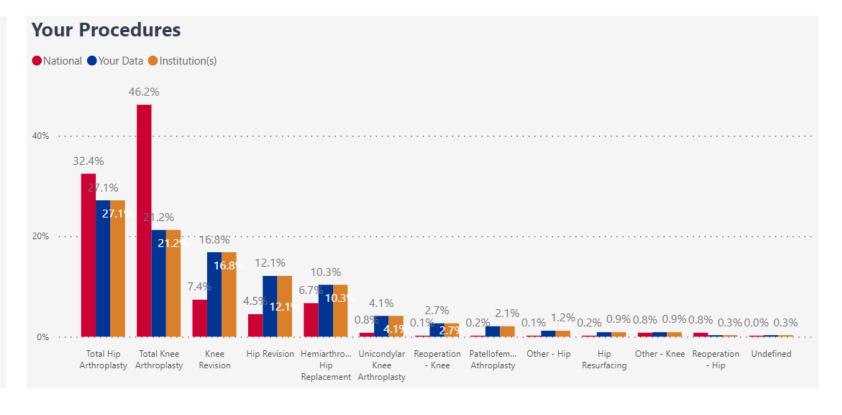


Filters & Benchmarks

- Providing different views of your surgical data set
- Identify variations in outcomes across gender, race, age, and care setting (IP vs OP)
- Focus on primary total joints or filter to your non-elective cases
- National benchmark filters for comparison against like institutions & peers
 - Ex: Surgeon operating at an Ambulatory Surgical Center can view national surgical site infection rate of other ASCs submitting to AJRR

Procedure Type Breakdown

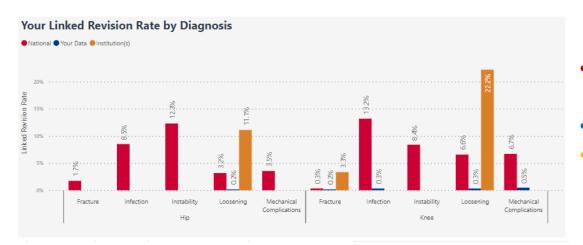
Total Hip Arthroplasty Total Knee Arthroplasty Knee Revision Hip Revision Hemiarthroplasty/Partial Hip Replacement Unicondylar Knee Arthroplasty Reoperation - Knee Patellofemoral Athroplasty Other - Hip	92 72 57 41
Knee Revision Hip Revision Hemiarthroplasty/Partial Hip Replacement Unicondylar Knee Arthroplasty Reoperation - Knee Patellofemoral Athroplasty	57
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Hemiarthroplasty/Partial Hip Replacement Unicondylar Knee Arthroplasty Reoperation - Knee Patellofemoral Athroplasty	41
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Reoperation - Knee Patellofemoral Athroplasty	35
Patellofemoral Athroplasty	14
' '	9
Other - Hin	7
Other Trip	4
Hip Resurfacing	3
Other - Knee	3
Reoperation - Hip	1
Undefined	1







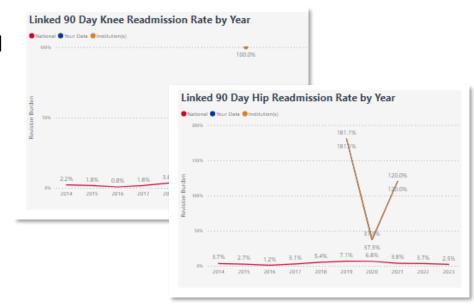




- National: all sites who submit to AJRR
- Your Data: Surgeon specific
- Institution Data: All surgeons in one institution (reported only if number is greater than 3)

Case Example: Your 90-day TKA & THA complication rates for mechanical complications are trending higher than your institution average

- Are you utilizing a different approach? Different component system?
- What is your baseline patient population compared to your peers (BMI, age, etc)?
- You pull this visual from the dashboard for a discussion with your team on pre-op patient education & perioperative care processes

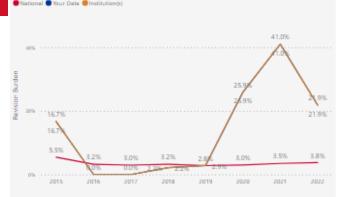


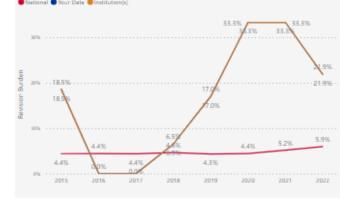




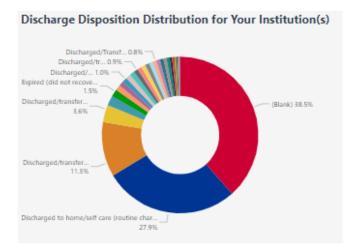
Trend lines for revisions over time and LOS over time provide a quick glance at significant changes in outcomes

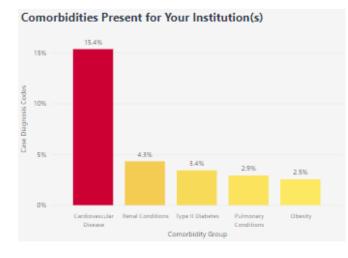
- Case example: A sudden revision increase above the national average is noted in September 2021
- Narrowing the dashboard to this procedure month provides insight into the patient population, associated diagnoses, and procedure types performed for further assessment





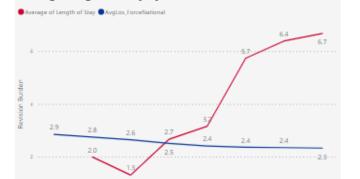
For this performance measurement, 0.0% means that there is qualifying procedure but no assessments vs when nothing shows up there were no qualifying procedures.











Average Length of Stay by Year for Your Institution

Registry Data in Practice | PROMs

Your PROMs

Linked PROMs

HOOS JR

714

PreOp Assessment Count

KOOS JR

1063

PreOp Assessment Count

PROMIS-10 Mental Health

1784

PreOp Assessment Count

PROMIS-10 Physical Health

1784

PreOp Assessment Count

HOOS IN Moon Scours for Vo

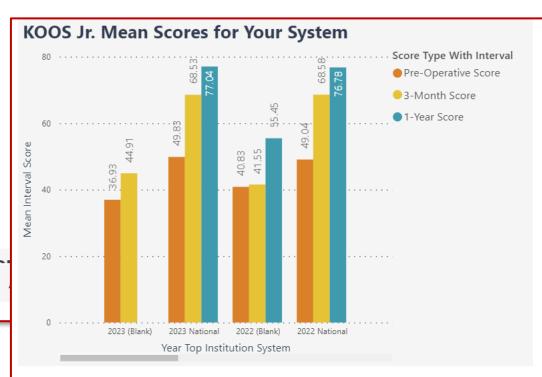
All Procedures

Your Procedures

Track PROMs Completion Rate and Outcomes Over Time with National Outcomes Comparison

0.00% % Linked at 3 Months PostOp 2.94%

% Linked at 12 Months PostOp



90.48%

% MCID Achieved at 12 Months PostOp

80.00%

% MCID Achieved at 12 Months PostOp

10.71%

% MCID Achieved at 12 Months PostOp

48.21%

% MCID Achieved at 12 Months PostOp

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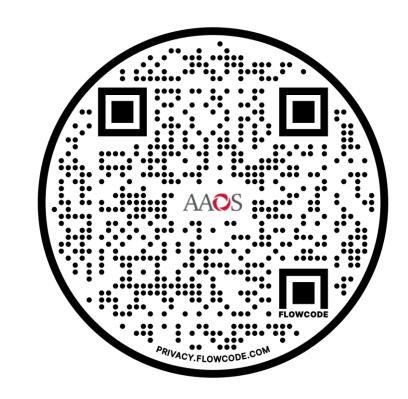
Your Performance Measures



CMS IQR PRO-PM | AJRR Support

CMS Inpatient Quality Reporting Total Hip and Knee Replacement PROMs Performance Measure (IQR THA/TKA PRO-PM)

- IQR PROMs Extractable Performance Report
- Submission to CMS via AJRR
- 3 new data elements
 - 1. Medicare Beneficiary ID
 - 2. Narcotics use ≥ 90 Days
 - 3. Person Completing Assessment



AAOS PROMs In Practice Workgroup PRO-PM FAQ

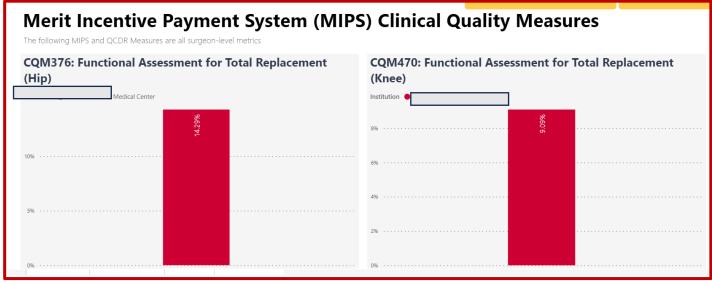
Answers to the Who, What, When, & Why?



Registry Data in Practice | Performance | Measures

CMS MIPS Measures & Qualified Clinical Data Registry (QCDR)
Measures

Calculated at the surgeon level and display for all sites & surgeons, even if not using registry data for CMS QPP



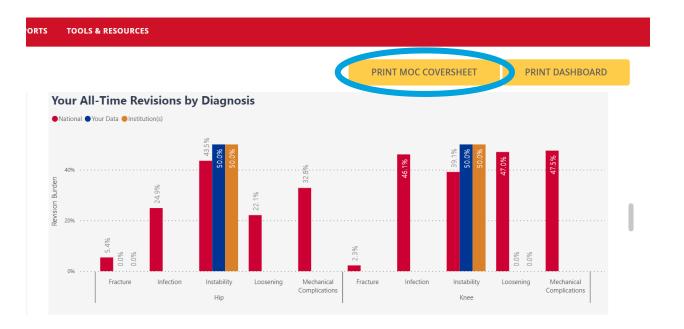


1st Risk-Adjusted Metric in the Dashboards for Discharge to home with additional risk-adjustment for complications in future





Registry Data in Practice | SAE Credits

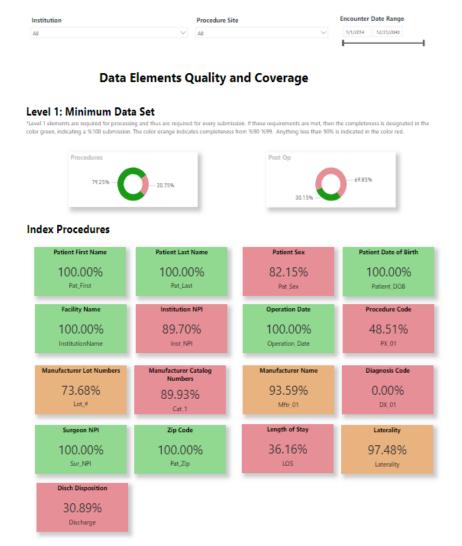


Surgeons participating in AJRR & utilizing their dashboards are eligible to obtain **10 SAE credits per year** for ABOS Maintenance of Certification Part II

- Download your MOC letter from RegistryInsights
- Submit to <u>RegistryInfo@aaos.org</u> with the years you would like to claim credit
- Our team will upload the SAE credits to your transcript

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Data Element Quality & Coverage



Track submission completeness for 3 levels of data:

- **Level 1** = Minimum Data Set
 - 17 elements
- Level 2 = Enhanced Data Set
 - Elements heavily utilized in research
- Level 3 = PROMs
 - Preoperative and postoperative PROMs that were collected for index procedures
 - *As an AJRR surgeon champion, you can work with your site to utilize this view to submit complete data and make the most of the dashboards and quality measure calculations*



How do the registries support quality care?

Dashboards Supporting Continuous Quality Improvement

Payer Quality Programs

Orthopaedic Certifications



Compare your practice to national performance benchmarks



Access to on-demand practice specific reports and dashboards



Qualify for **Advanced Certifications** such as
TJC's THKR Advanced Hip
& Knee Replacement,
DNV, & AAAHC



Attain continuing education credits for ABOS MOC & ABNS CC



Facilitate site, practicespecific, payerincentivized
performance
improvement programs
such as Aetna IOQ &
BCBS Blue Distinction



Use for reporting to quality improvement programs such as the QPP Merit-based Incentive Payment System (MIPS) & IQR PRO-PM



Inform
orthopaedic practice
& contribute to
orthopaedic advocacy



Improve the value of care delivered to Patients





Registry Program Improving Orthopaedic Care Through Data

