Staying in Sync with the Specifications Sunset Cycle

April 18, 2019
Presenters

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Registry Program

Registry Program Update
The American Joint Replacement Registry (AJRR) was re-integrated into AAOS

The Registry Oversight Committee (ROC) was created

Additional staff hired and physician leadership groups created

Shoulder & Elbow Registry launched as next priority

Strategy for building a scalable and sustainable Registry Program developed

Revamp of data specifications and problem-solving for improved data capture within AJRR including release of revised specification
AAOS Family of Registries

AAOS Board of Directors

Registry Oversight Committee

Future Registry

Shoulder & Elbow Registry (SER)
- Shoulder Arthroplasty
- Rotator Cuff Repair
- Elbow Arthroplasty

American Joint Replacement Registry (AJRR)
- Hip Arthroplasty
- Knee Arthroplasty

Musculoskeletal Tumor (MsT) Registry Pilot
- Orthopaedic Oncology

Future Registry
AJRR Participating Sites by State

Out of 1,280 participating sites contracted and 10,743 registered surgeons across all 50 states.

801 sites have submitted representing 8,687 surgeons and 1,511,825 procedures. Now capturing 25% to 30% of all US TJA volume annually.
Increasing Re-Use of Data

- Calculate national performance **benchmarks**
- Qualify for national **distinctions** such as the Joint Commission advanced certification in hip or knee replacement
- Access to on-demand practice specific **quality reports** and dashboards to compare locally, regionally, and nationally
- Track and monitor outcomes with **longitudinal** patient information
- Receive **surveillance alerts** for poorly performing implants
- Support quality initiatives and participation in **payer incentivized** QI
- Improve data to **support orthopaedic care** and best practices
Annual Cycle Overview
Annual Data Specification Sunset Cycle

Updating data specifications is necessary to:

• Improve quality of data collected
• Reduce data entry burden
• Grow with the orthopaedic profession

The **AAOS Registry Data Specification Sunset Cycle** simplifies the transition of data specifications by informing you of when our new data specifications will be released and when we plan to sunset the oldest data specifications.

This release and sunset cycle will occur annually.
January 1st

AAOS releases updated data specification and data dictionary

June 1st

AAOS sunsets the oldest data specification

June 1st – January 1st

- Latest 2 versions of the data specifications supported
- AAOS updates trigger code lists with newly released ICD & CPT codes
- Aug./Sept. share updates for upcoming January release with external vendors
- Test and revise any data element changes before Jan. update.

January 1st – June 1st

- 3 most recent data specification versions supported
- Data Specification transition informational webinars hosted

Questions to registrysupport@aaos.org
Registry Data Specification Sunset Cycle

- Internally we are working through multiple steps throughout the year!

- All additional elements and changes are:
  - Vetted through our surgeon leadership
  - Tested with our technology department
  - Highlighted to our authorized vendors in sync with their update cycles

Changes can take 12-18 months to update!
2019 AJRR Soft Update

• Comes out April 18, 2019
• Addition of 3 optional data elements

• NO data specifications will be sunset in 2019
• We will support all 3 versions until June 2020
• Next Hard Update will be January 2020
• Supported Versions:
  
  Version 7.13.2017
  Version 7.13.2017.Revision 1

New Supported Data Specification
2019 AJRR Soft Update

- Comes out April 18, 2019
- Addition of 3 optional data elements

<table>
<thead>
<tr>
<th>Additional Elements</th>
<th>Data Entry Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trainee Status</td>
<td>1-4 (1=Resident; 2=Fellow; 3=Other; 4=Not reported or NR)</td>
</tr>
<tr>
<td>Payer Status</td>
<td>1-9 (1=Medicare; 2=Medicaid; 3=Military Advantage; 4=Medicare Advantage; 5=Private; 6=Self-pay; 7=State Specific Plan (None-Medicaid); 8=Other; 9=Unknown)</td>
</tr>
<tr>
<td>Charlson Comorbidity Index</td>
<td>Total</td>
</tr>
</tbody>
</table>
2019 AJRR Soft Update

• Comes out April 18, 2019
• Addition of 3 optional data elements

• Removal of Level I/II/III and replaced with Procedure, PostOp and PROMs
• Updated the logo and cosmetic changes on the Info tabs
Submission Best Practices

• Most participants submit monthly
• If this is too frequent for you, we encourage submission at least every 90 days
• Ask your institution’s IT about setting up automated reports
• The more often you submit, the more updated your dashboards will be
• Data is processed nightly
Submission Best Practices

• You can monitor data submission uploads and errors by logging into **RegistryInsights™**

• On Homepage: Latest file upload last 6 month
  - Tells you when the last file was uploaded
  - Number of cases submitted
  - Number of cases with issues
  - Option to correct & resubmit

• To learn more about correcting cases with issues, follow the instructions in the **How-To Guide: Fix Rejected Data in Uploaded Files to AJRR**
ALWAYS OPEN THE LINKS...

• [Data Specifications](7.13.2017.Revision 1)

• [Data Dictionary](#)

• [Secure Upload Methods](#) – file naming

• Always go back to the link to ensure you are using the most updated version
Minimizing Data Entry Burden
Decreasing Data Entry Burden & Data Enhancements

• Evaluating ability to **augment and decrease** participant data submission with external data sources

• Revamping **authorized vendor program** to include proactive reach to vendors used by AAOS Registry participants

• Increasing **technical solutions** for validation and data quality assurance

• Obtained access to **Medicare claims data** (2012-2018 for all patients represented in registry with Medicare records, ~700k)
Registry Authorized Vendors

We’ve partnered with technology vendors to help with a seamless data submission process for our institutions
Registry Authorized Vendors

- **Routine Meetings** updating them on data specification updates

- **Initial Validation** of Registry Specifications

- **New contracting** and QA process enacted in 2019
Thank you!

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