American Joint Replacement Registry
Introductory Webinar for the National Association of Orthopaedic Nurses

June 8, 2017

*Pick up your copy of the slides on our website www.ajrr.net under Events & Webinars*

Connect and learn more at www.ajrr.net
Today’s Goal

Provide an understanding of the benefits of participating with the AJRR as a Clinical Data Registry, and the dashboards we provide to improve orthopaedic care through data for NAON members.
About Us

• Founded in 2009
• Originally affiliated with the AAOS
• Stand-alone non-profit since Jan. 2015
• Located in Orthopaedic Headquarters in Rosemont, IL
AJRR Mission and Vision

AJRR’s MISSION
To improve orthopaedic care through the collection, analysis, and reporting of actionable data

AJRR’s VISION
To be the National Registry for orthopaedics through comprehensive data and technology resulting in optimal patient outcomes
AJRR is supported by hospitals, health insurers, and the following groups:
National Registry in All 50 States

Where Are We Now?

National Registry in All 50 States
AJRR History & Milestones

2010
- 501(c)(3)organization
- Started Pilot Program with 15 Hospitals

2013
- Launched Pilot Program of LII and LIII Platforms with 18 Participating Sites
- x200
AJRR History & Milestones

2016
- Patient-reported Outcomes (Level III) Launched
- QCDR Designation by CMS (Again)
- 6,000 Surgeons in the Registry!

2017
- Enhanced Dashboards and Investment in Technology

Officially Endorsed by ASCA
- Comorbidities/Complications Data Specs Released
- Level II
AJRR Stats Today:

1,000,000 PROCEDURES

985 participating facilities

8,700+ surgeons
AJRR Data Elements

**LEVEL I**

**Patient**
- Name (Last, First)
- Date of Birth
- Social Security Number
- Diagnosis (ICD-9/10)
- Gender
- Race/Ethnicity

**Hospital**
- Name and Address

**Surgeon**
- Name (National Provider Identifier)

**Procedure**
- Type (ICD-9/10)
- Date of Surgery
- Laterality
- Implants

**LEVEL II**

- Comorbidities (ICD-9/10)
- CJR Risk Variables
- Height + Weight/Body Mass Index
- Length of Stay
- American Society of Anesthesiologists Score
- Operative and Post-operative Complications

**LEVEL III (Patient-reported Outcomes)**

**Recommended:**
- PROMIS-10 Global
- VR-12
- HOOS/KOOS, JR.

**Also Available:**
- SF-36 v1
- HOOS/KOOS
- Oxford Hip and Knee Scores
- Knee Society Knee Scoring System
- Harris Hip Score
- WOMAC (Modified via HOOS and KOOS)
- SF-12, EQ-5D, WOMAC (only accepting final scores)
Most Participants submit a data file upload to AJRR
- AJRR IT staff works with hospital’s IT team to ensure seamless data transmission
- Report generation and upload to AJRR SFTP site can be automated
- AJRR process is secure and HIPAA compliant

- Level I reporting tested with EMR vendors including Epic, Cerner, Ortech, InVivoLink, MedTrak, URS Oberd, and more
  - Certain vendors have created custom report templates for AJRR data submission
The AJRR has partnered with multiple Technology Vendors to ensure a seamless data submission process, for institutions who would like to utilize their services.
Patient-Reported Outcomes
Patient-Reported Outcomes (Level III) Capabilities

- Recommended measures are in line with CMS and CJR and include:
  - HOOS, JR.  KOOS, JR.  VR-12  PROMIS-10 Global
    - National benchmarks and dashboards available
- AJRR’s patient portal is a web-based tool for clinicians
  - Other forms available:
    - HOOS, KOOS, Oxford Hip/Knee Score, Knee Society Knee Scoring System, SF-36, Harris Hip Score
- If entities have a PRO dataset/historical data they would like to submit, AJRR can accept
- AJRR collaborates with numerous PRO vendors for data submission
### Which PROMS Instruments Are Accepted by AJRR?

#### Disease Specific Measures

<table>
<thead>
<tr>
<th>Measure Acronym</th>
<th>Measure Description</th>
<th># of Items</th>
<th>Administered via Registry Platform?</th>
<th>National Benchmark Reports Available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOOS, JR</td>
<td>Hip Disability and Osteoarthritis Outcome Score (HOOS), JR.</td>
<td>6</td>
<td>YES</td>
<td>YES</td>
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<tr>
<td>KOOS, JR</td>
<td>Knee Injury and Osteoarthritis Outcome Score (KOOS), JR.</td>
<td>7</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>HOOS</td>
<td>Hip Disability and Osteoarthritis Outcome Score</td>
<td>42</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
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<tr>
<td>KOOS</td>
<td>Knee Injury and Osteoarthritis Outcome Score</td>
<td>42</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
</tr>
<tr>
<td>KSS (Pre-and Post-Op)</td>
<td>Knee Society Knee Scoring System</td>
<td>44</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
</tr>
<tr>
<td>Harris Hip Score</td>
<td>Harris Hip Score</td>
<td>8</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
</tr>
<tr>
<td>Oxford Hip</td>
<td>Oxford Hip Score</td>
<td>12</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
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<tr>
<td>Oxford Knee</td>
<td>Oxford Knee Score</td>
<td>12</td>
<td>YES; System can be configured to replace recommended instrument</td>
<td>NO</td>
</tr>
<tr>
<td>WOMAC</td>
<td>Western Ontario and McMaster University Osteoarthritis Index</td>
<td>24</td>
<td>NO; AJRR Accepts Final Scores via Data Submission Process</td>
<td>NO</td>
</tr>
</tbody>
</table>
### Which PROMS Instruments Are Accepted by AJRR?

#### Health Related-Quality of Life Measures

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<tr>
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<th>National Benchmark Reports Available?</th>
</tr>
</thead>
<tbody>
<tr>
<td>VR-12</td>
<td>Veterans Rand 12 Item Health Survey</td>
<td>12</td>
<td><strong>YES</strong></td>
<td><strong>YES</strong></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Recommended</strong></td>
<td></td>
</tr>
<tr>
<td>PROMIS-10 Global</td>
<td>Patient Reported Outcome Measure Information System - Global Health Short Form</td>
<td>10</td>
<td><strong>YES</strong></td>
<td><strong>YES</strong></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Recommended</strong></td>
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<tr>
<td>SF36</td>
<td>Medical Outcomes Study 36-Item Short Form Health Survey</td>
<td>36</td>
<td><strong>YES</strong></td>
<td><strong>NO</strong></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td><strong>System can be configured to replace recommended instrument</strong></td>
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<td>SF-12</td>
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<td>12</td>
<td><strong>NO</strong></td>
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<td><strong>AJRR Accepts Final Scores via Data Submission Process</strong></td>
<td></td>
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<tr>
<td>EQ-5D</td>
<td>EuroQol Index and Visual Analog Scale</td>
<td>6</td>
<td><strong>NO</strong></td>
<td><strong>NO</strong></td>
</tr>
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<td></td>
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AJRR Value

- Compare your institution against national benchmarks
- Access to on-demand hospital specific quality reports and dashboards
- Track and monitor outcomes
- Reduce complications and revision rates
- Increased transparency
- Participate in the AJRR User Group Network
- Strict data security – HIPAA compliant
- Surveillance alerts
- Support of quality initiatives (PQRS, MU, CJR, MACRA & MIPS)
- Patient privacy
Participation Fee Structure

- Single institution, 1-year licensing fee $2,850 + $750
  configuration fee
- Subscription fee includes
  ✓ Unlimited access to dashboards and reports which can be used for further analysis, such as:
    • Procedures submitted to the AJRR with component information
    • Summary reports of patient-reported outcomes
    • Patient portal report
  ✓ Access to the AJRR National Benchmarks including:
    • National Revision Rate
    • National Patient-Reported Outcomes Average Scores (for HOOS, JR., KOOS, JR., VR-12 and PROMIS-10 Global)
  ✓ Our PROM Platform – you can use to administer surveys
Registry System Demonstration

Login
Username: 
Password: 
Cancel | Log In
Note: Usernames can be retrieved and passwords can be reset only through your data administrator.
Registry System Overview

The Registry system supports TWO primary uses:

1. Provide access to data submitted and uploaded to the Registry via the following tools:
   a. Search and View Patient Demographics and [limited] Case Information via the User Interface
   b. Search and View Patient and Case Information via Pre-Defined Queries
   c. Search and View National Benchmarks via the AJRR Dashboards

2. Provide the ability to administer pre and post-operative PROM Assessment surveys to patients
   a. Create Clinician/Surgeon Accounts
   b. Create Patient/Case Records
   c. Send Patient Assessments/View Progress & Results
AJRR Subscription Includes...

One Registry Authorized User License

One PROMs Site Super User Account

Clinician/Surgeon User

Clinic Module Account

Clinic Module Account

Clinic Module Account

The PROMs Site Super User can create multiple Clinician/Surgeon accounts and Clinic Module accounts for purposes of PROMs administration
Next Steps

- Execute Participation Agreement
- Execute Business Associate and Data Use Agreement
- Determine whether you would like to purchase a one or three-year subscription to the AJRR Dashboards
What’s on the Horizon

• User Group Network (Unet) Conference Call
  – Thursday, June 15 at 12:00 p.m. Central Time

• 2017 AAHKS Annual Meeting
  – November 2-5 at the Hilton Anatole in Dallas, TX

• Stay Up-to-Date
  – The Register monthly e-newsletter
  – Join our Social Media sites for the latest news
  – Join our Unet Forum and connect with other AJRR users