AAOS
American Academy of Orthopaedic Surgeons

Registry Program
Improving Orthopaedic Care Through Data

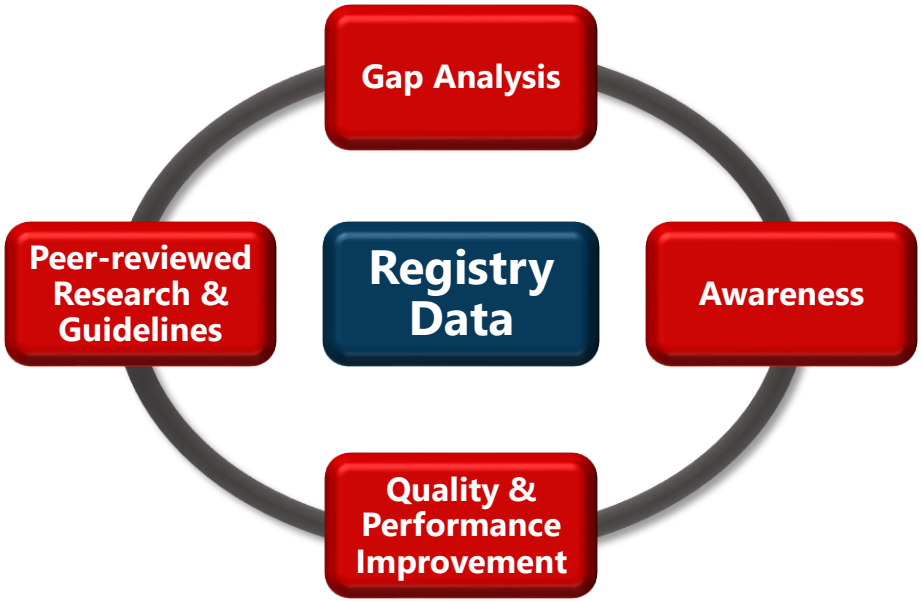
New AAOS Registry Insights Enhancements You Should Know About

www.aaos.org/registries

Agenda

- **AAOS Registry Program Overview**
- Q4 2019 and 2020 Release Review
- RegistryInsights® Enhancements Review
- Question & Answer

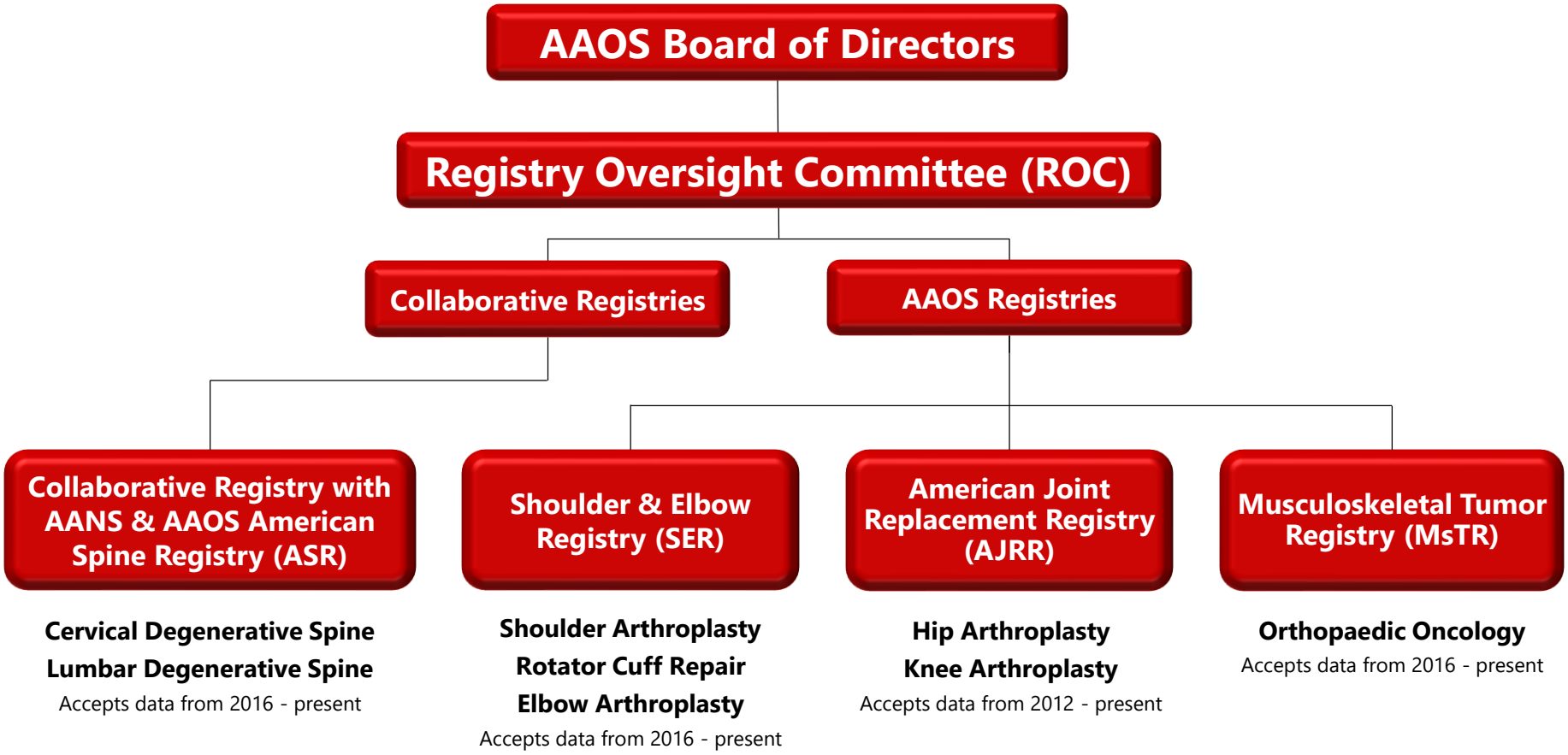
At the Core of Academy Strategy



Registry Effort Goals

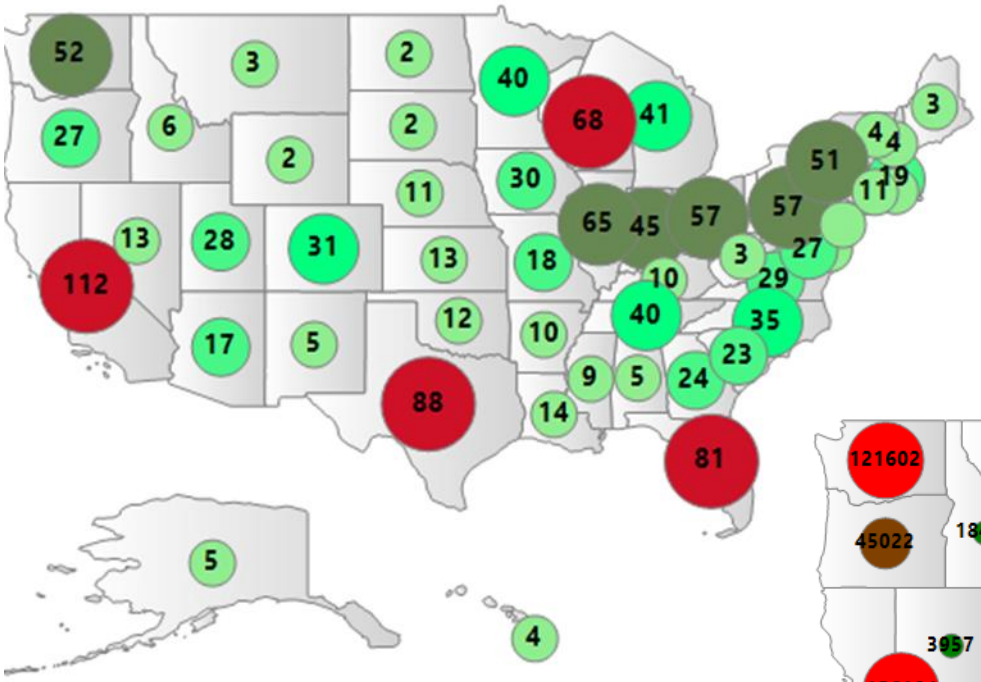
- ✓ Collect unique clinical information demonstrating ***real-world practice***
- ✓ Enable ***performance measurement*** by physicians for physicians
- ✓ Facilitate national registry-driven ***quality improvement*** programs
- ✓ Support novel scientific ***research***

AAOS Family of Registries



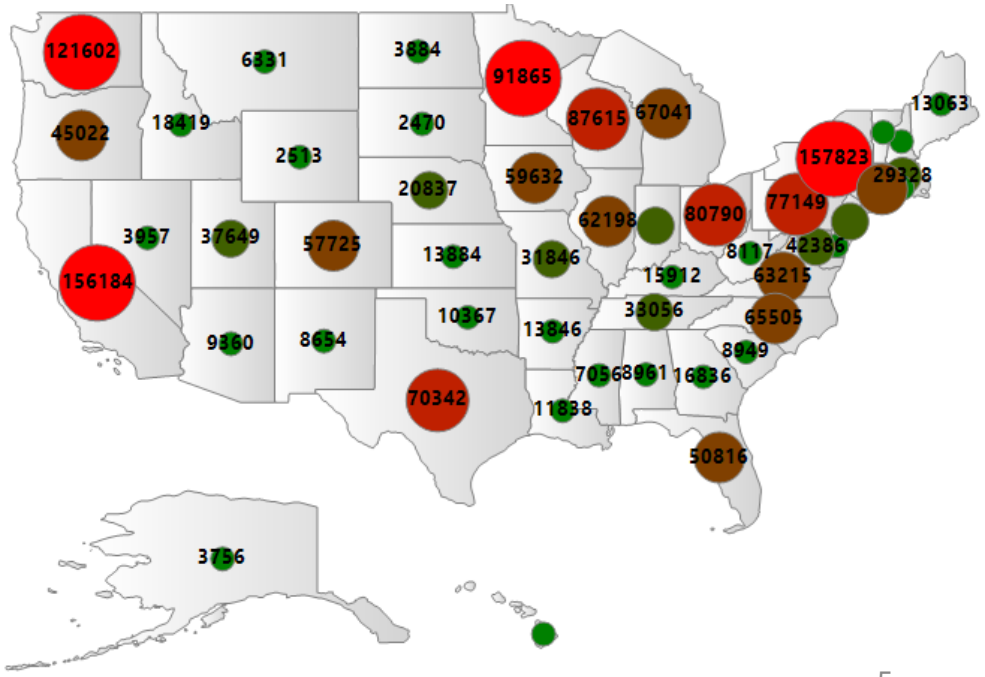
Registry Participation

Sites by State



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

Procedures by State



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

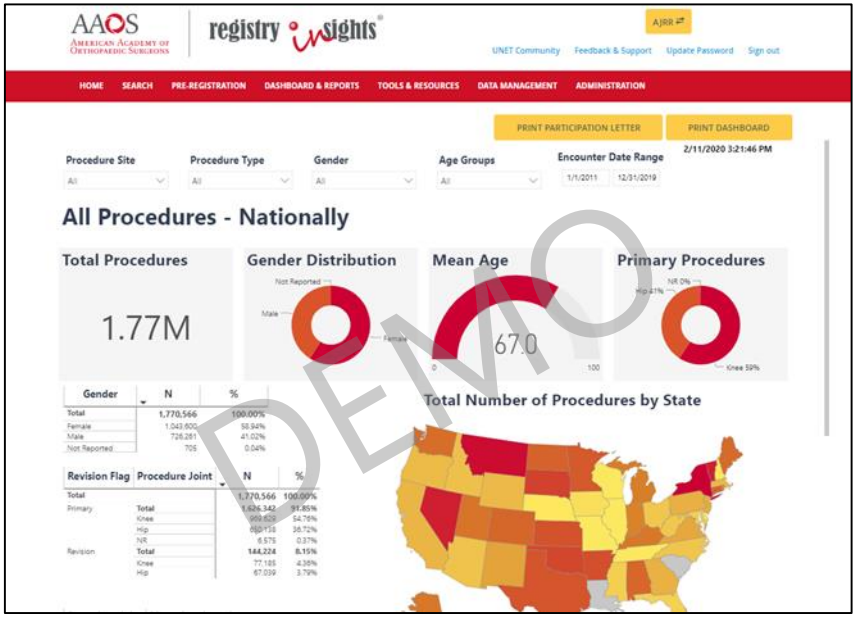
Custom reports created by our analytics team to help understand and package your site data in an actionable format

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

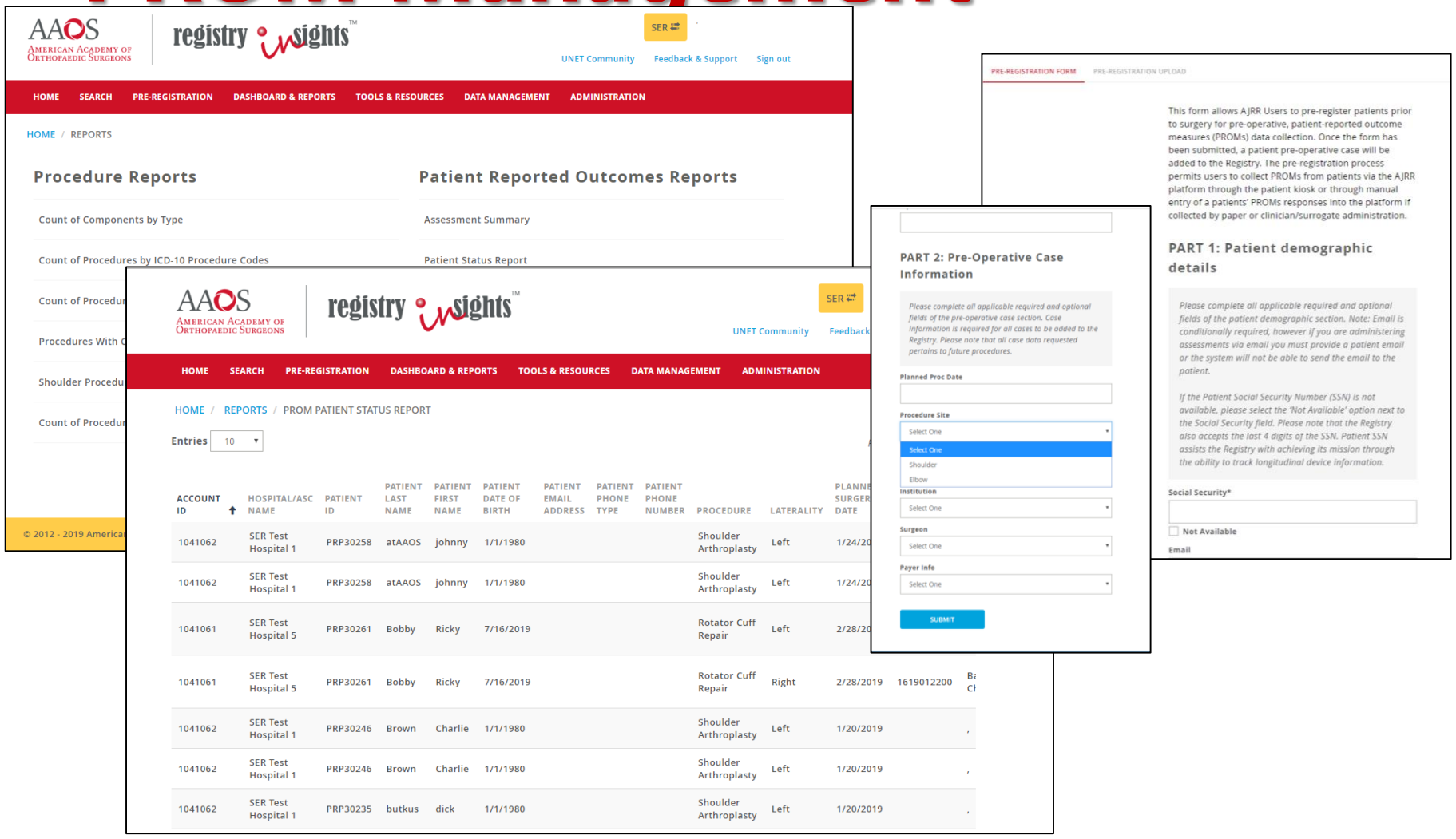
Aggregated reports and national benchmarks for every metric across all data submitted including procedural, post-operative and PROMs data can be provided at your site level

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



PROM Management



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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RegistryInsights®

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**

American Spine Registry™

A partnership between
American Association of Neurological Surgeons
American Academy of Orthopaedic Surgeons

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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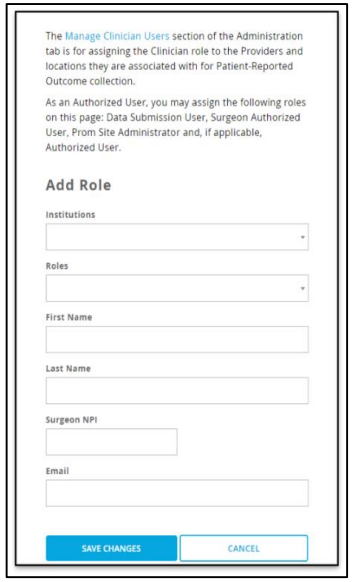
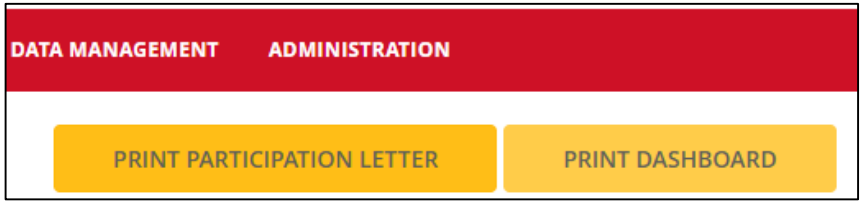
RegistryInsights®

- **New Features and Functionality**
  - 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



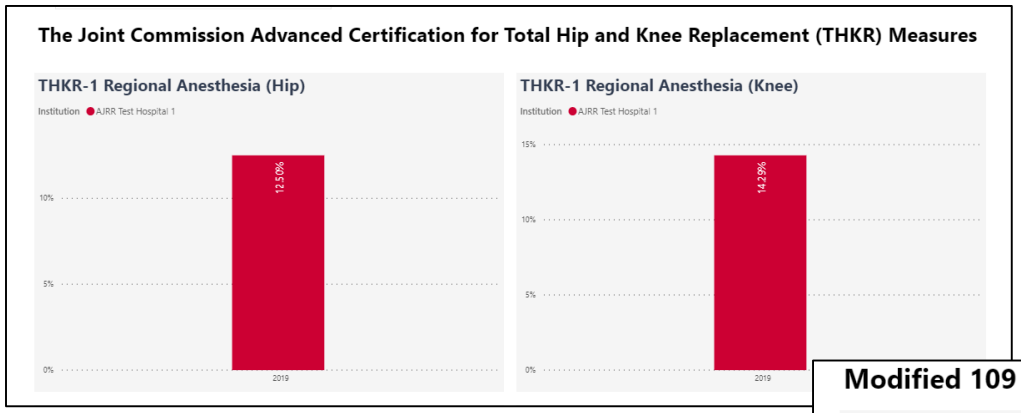
RegistryInsights®

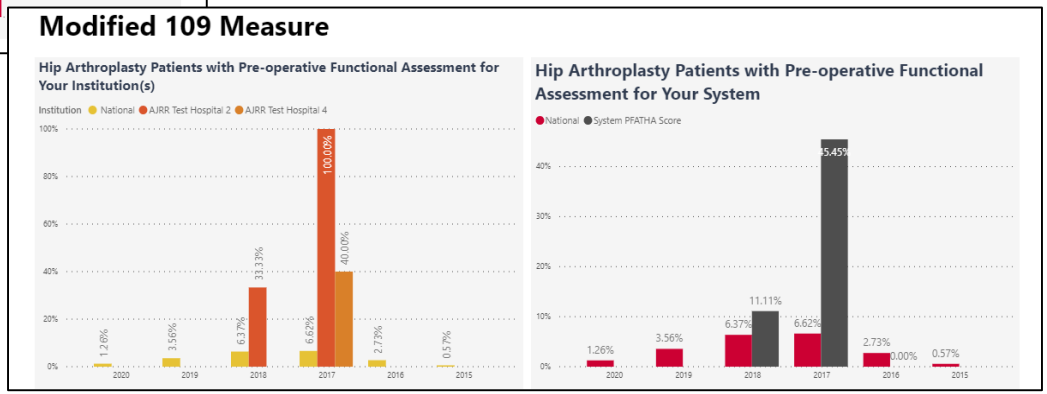
- **New Features and Functionality**
  - Dashboard Functionality improvements
    - PROM and POST OP Dashboard Update
    - Printing Site Dashboard w/ timestamp
    - Printing Registry Participation Letter



RegistryInsights®

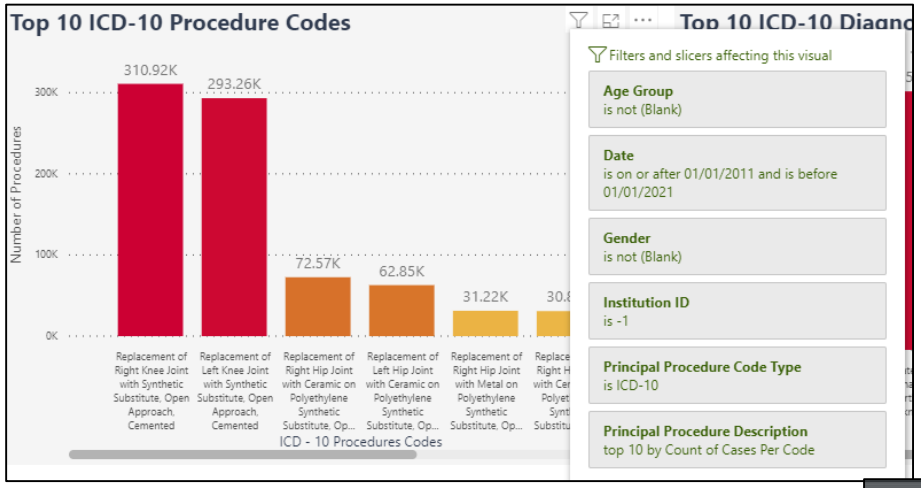
- **New Features and Functionality**
  - Performance Measures Dashboard Tab
    - TJC &109 performance measurement visuals

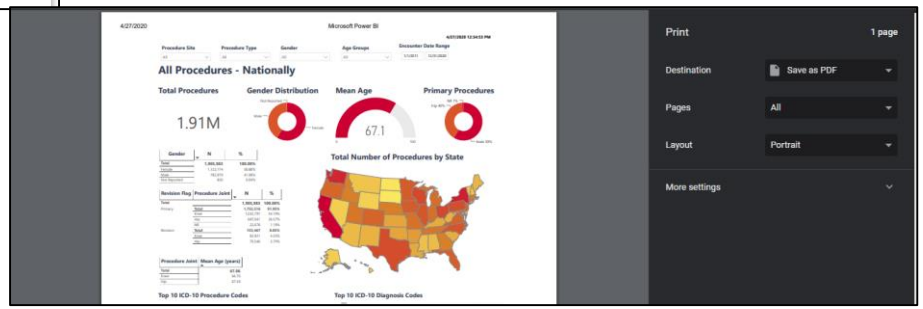




RegistryInsights®

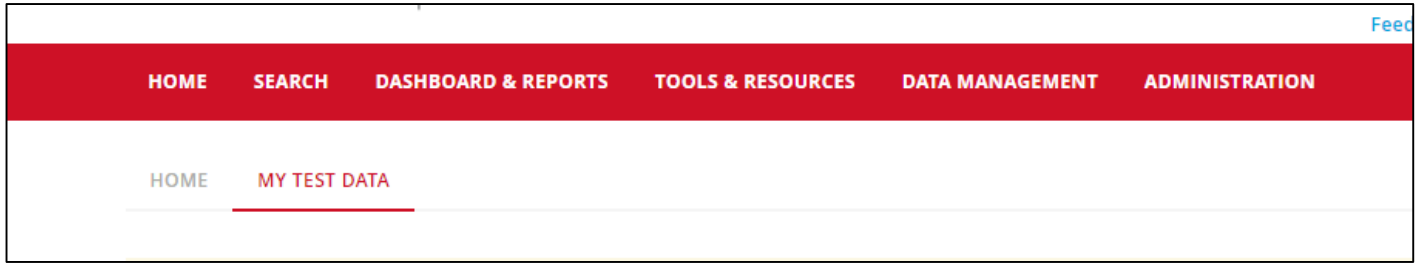
- **New Features and Functionality**
  - Dashboard Functionality improvements
    - Improved Filter functionality on institution dashboards

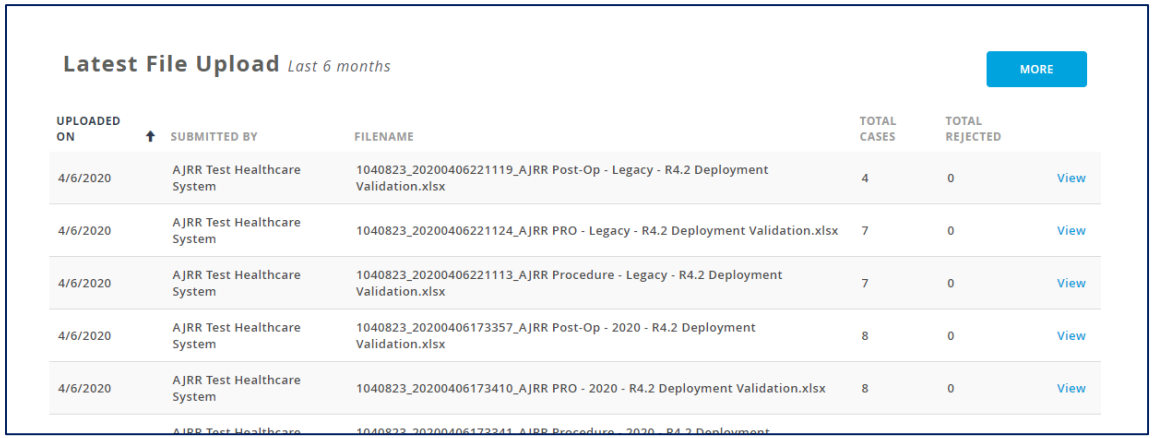




RegistryInsights®

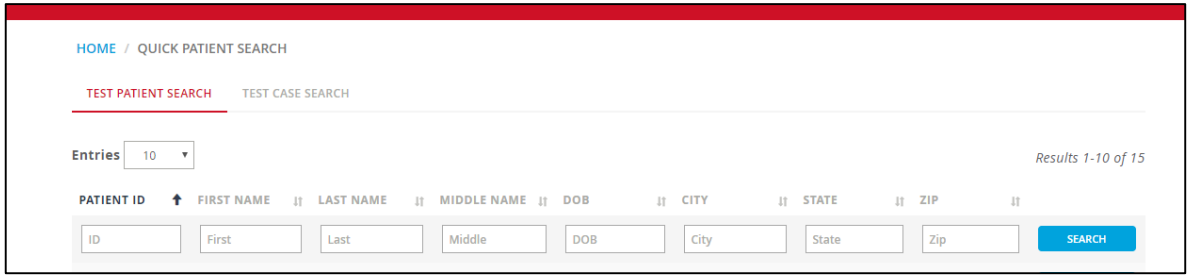
- **New Features and Functionality**
  - My Test Data Section
    - Authorized Users and Data Submission Users

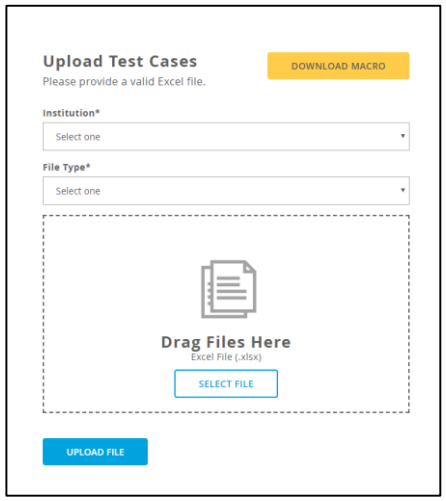




RegistryInsights®

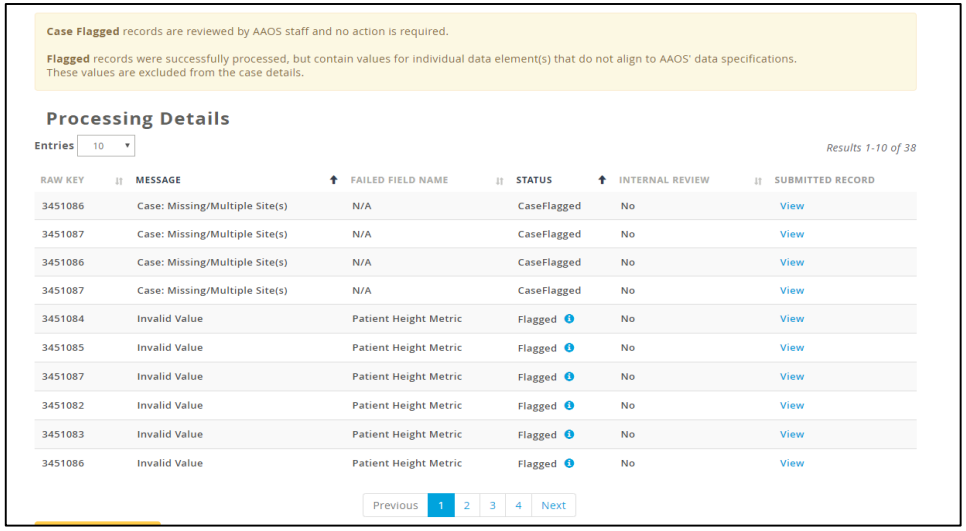
- **New Features and Functionality**
  - My Test Data Section
    - Data management now has test upload section dropdown
    - Search section now has Test vs Production dropdown

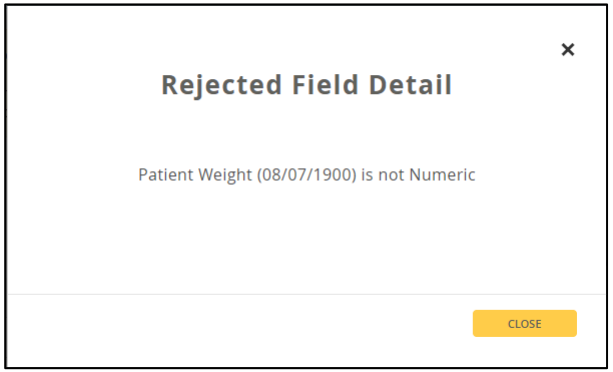




RegistryInsights®

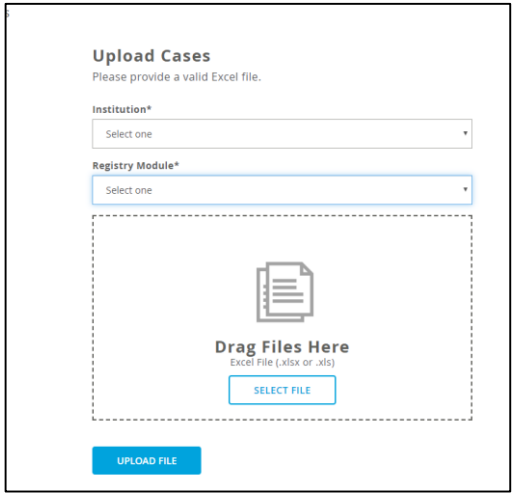
- **New Features and Functionality**
  - Flagged and Rejected Records Review





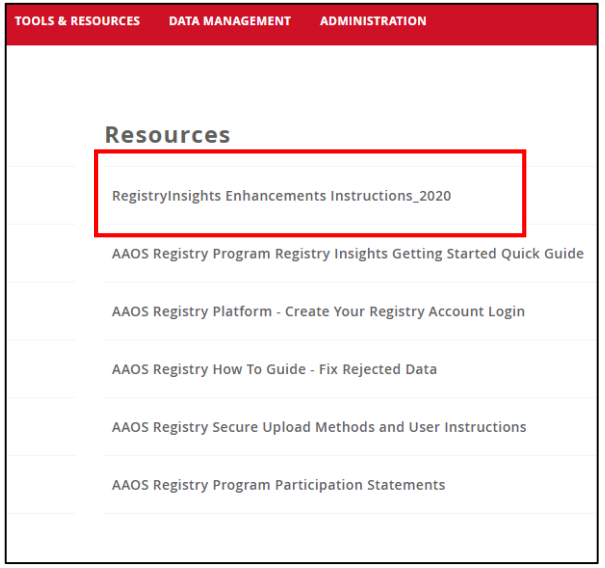
RegistryInsights®

- **New Features and Functionality**
  - Registry Module Drop Down



RegistryInsights®

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



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