

Staying in Sync with the Specifications Sunset Cycle

April 18, 2019

Presenters

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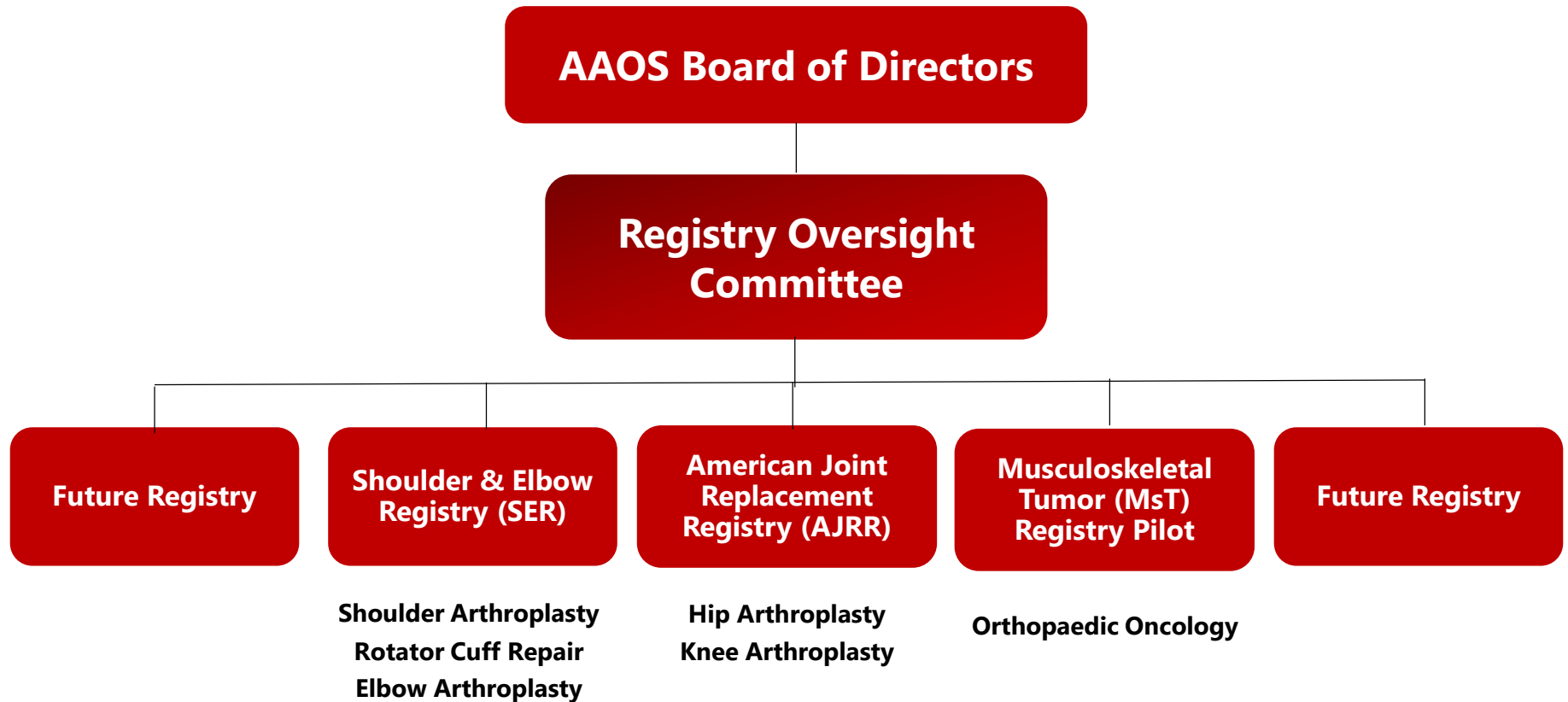
Registry Program Update

Registry Program Highlights



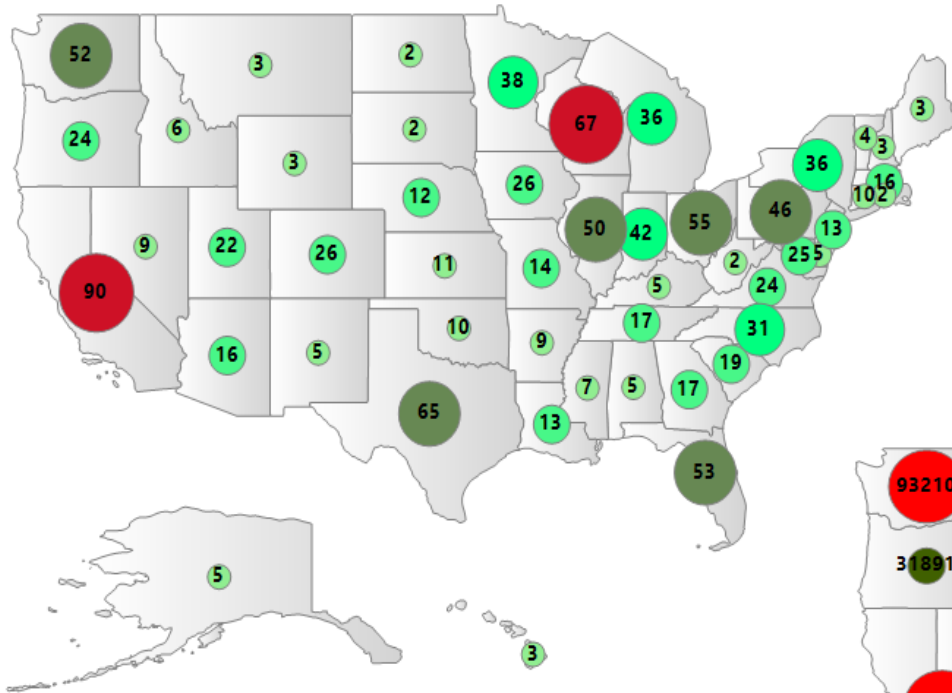
- The American Joint Replacement Registry (AJRR) was re-integrated into AAOS
- The Registry Oversight Committee (ROC) was created
- Additional staff hired and physician leadership groups created
- Shoulder & Elbow Registry launched as next priority
- Strategy for building a scalable and sustainable Registry Program developed
- Revamp of data specifications and problem-solving for improved data capture within AJRR including release of revised specification

AAOS Family of Registries



AJRR Participating Sites by State

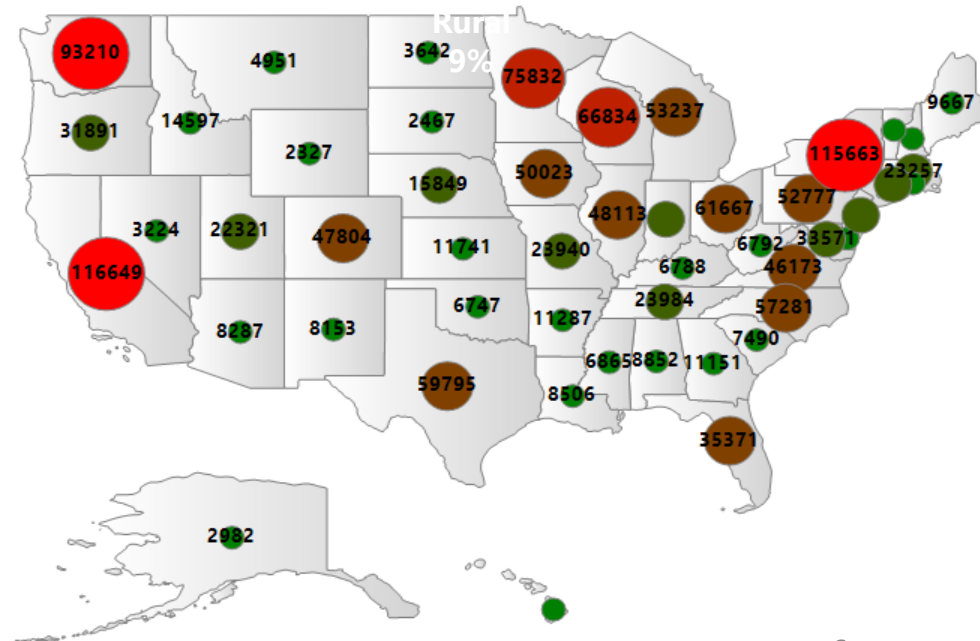
Subscribing Sites by State



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

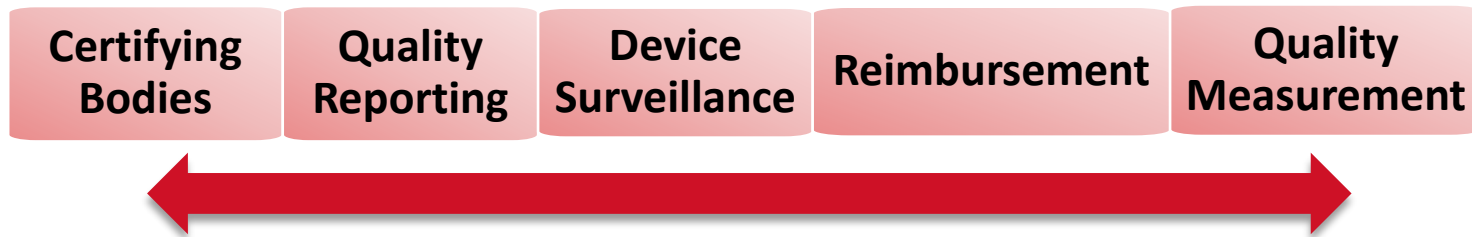
801 sites have submitted representing 8,687 surgeons and 1,511,825 procedures. Now capturing 25% to 30% of all US TJA volume annually.

Procedures by State



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

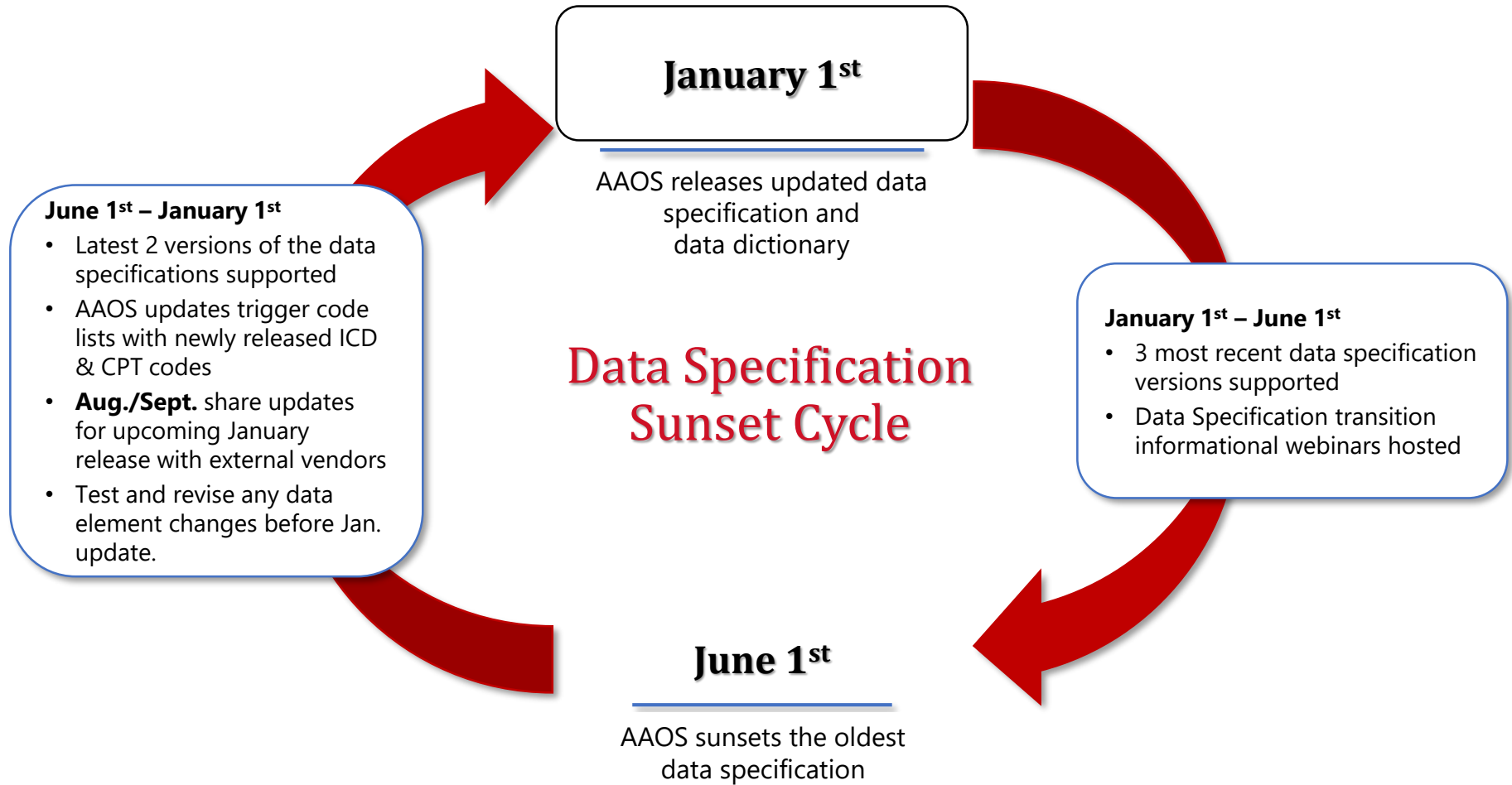
Updating data specifications is necessary to:

- 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.

Registry Data Specification Sunset Cycle



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

Version 7.13.2017.Revision 2

*New
Supported
Data
Specification*



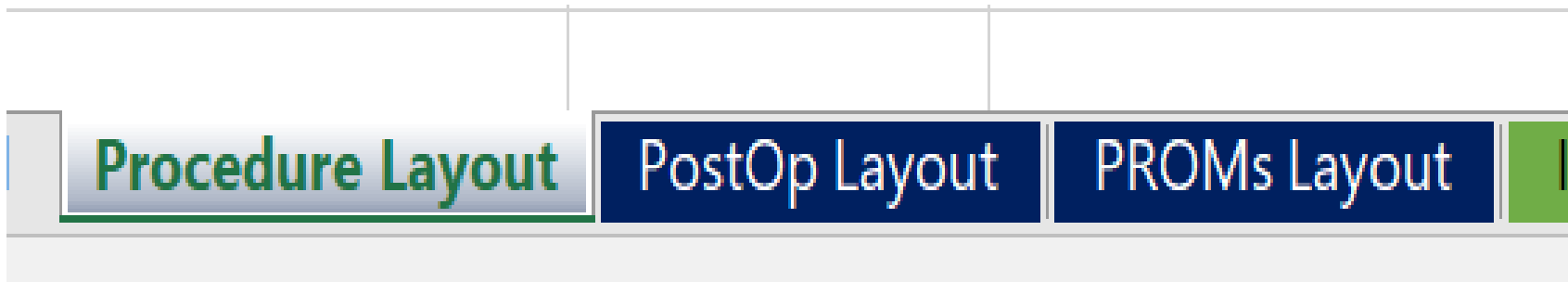
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Additional Elements	Data Entry Options
Trainee Status	1-4 (1=Resident; 2=Fellow; 3=Other; 4=Not reported or NR)
Payer Status	1-9 (1=Medicare; 2=Medicaid; 3=Medicare Advantage; 4=Military; 5=Private; 6=Self-pay; 7=State Specific Plan (None-Medicaid); 8=Other; 9=Unknown)
Charlson Comorbidity Index	Total

2019 AJRR Soft Update

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- 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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