



# ASR Office Hours

**July 30, 2024**

Improving spine care through **data.**

# American Spine Registry



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

**Thank you for joining us today!**

**The webinar will begin at:**

**1 PM ET, 12 PM CT, 11 AM MT, 10 AM PT**

**We look forward to your participation!**

# TOPICS

- Registry Insights Dashboard Overview
- Submission Status Overview
- Tools and Resources Updates
- Support Questions
- Q/A

# American Spine Registry



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*American Association of Neurological Surgeons*

*American Academy of Orthopaedic Surgeons*

## **Registry Insights Dashboard Overview**

# Dashboard Overview

- Procedures
- Post Discharge
- PROMs
- Pre Op PROMs
- Performance
- All Data

Procedures | Post Discharge | PROMs | PreOp PROMs | Performance | All Data

Procedure Type: All | PX Code Type: All | Diagnosis: All | Length of Stay: All | Payer Status: All | Encounter Date Range: Select all (2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017)

Institution: All | Age Groups: All | Gender: All | Race: All

*These filters only affect the "National" values in the visuals below*

Institution Type: All | Bed Count: All | Teaching Status: All

### Your Procedures

Total Procedures	Procedure Site	Mean Age	Mean CCI
1,244		50.66	110.80
Avg Length of Stay (days)	Avg Operative Time (minutes)	Mean BMI	
6.54	497.25		

Procedures | Post Discharge | PROMs | PreOp PROMs | Performance | All Data

Index PX Type: All | Index PX Code Type: All | Index Diagnosis: All | Index LOS: All | Index Payer Status: All | Encounter Date Range: Select all (2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017)

Institution: All | Age Groups: All | Gender: All | Race: All

*These filters only affect the "National" values in the visuals below*

Institution Type: All | Bed Count: All | Teaching Status: All

### Your Post Discharge Data

Your Total Paired with Index Procedure PostOps	Your Total Paired with Index Procedure Cases	Your Mean Age	Your Mean CCI
919	918	31.3	115.69
Average Length of Stay (days)	Avg Operative Time (minutes)	Mean BMI	
6.2	519.19		

Procedures | Post Discharge | PROMs | PreOp PROMs | Performance | All Data

Index PX Type: All | Index PX Code Type: All | Index Diagnosis: All | Index LOS: All | Index Payer Status: All | Encounter Date Range: Select all (2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017)

Institution: All | Age Groups: All | Gender: All | Race: All

*These filters only affect the "National" values in the visuals below*

Institution Type: All | Bed Count: All | Teaching Status: All

### Your PROMs

**Your Paired with Index Procedure PROMs**

Disability Index	PreOp Assessment Count	% Linked at 3 Months PostOp	% Linked at 12 Months PostOp	% MCID Achieved at 12 Months PostOp
<b>Neck Disability Index</b>	410	62.20%	73.66%	19.87%
<b>NRS Cervical</b>	670	49.55%	40.00%	36.94%
<b>NRS Lumbar</b>	468	13.03%	43.59%	26.47%
<b>Oswestry Disability Index</b>	250	17.60%	44.00%	21.82%

Procedures | Post Discharge | PROMs | PreOp PROMs | Performance | All Data

Index PX Type: All | Index PX Code Type: All | Index Diagnosis: All | Index LOS: All | Index Payer Status: All | Encounter Date Range: Select all (2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017)

Institution: All | Age Groups: All | Gender: All | Race: All

*These filters only affect the "National" values in the visuals below*

Institution Type: All | Bed Count: All | Teaching Status: All

### Your Performance Measures

**Grouped Performance Measures**

In Hospital Mortality	90 Day Readmission
3.62%	35.44%



# Dashboard | Access Overview

The screenshot displays the AAOS Registry Insights Portal dashboard. At the top left, the AAOS logo (American Academy of Orthopaedic Surgeons) and the 'registry insights' logo are visible. On the top right, there are links for 'Feedback & Support', 'Update Password', and 'Sign out'. Below the header is a red navigation bar with the word 'HOME'. The main content area is titled 'My Registries' and features a card for the 'American Spine Registry'. Below this is the 'Other Registries' section, which includes cards for 'AJRR' (American Joint Replacement Registry), 'MSTR' (Musculoskeletal Tumor Registry), 'SER' (Shoulder & Elbow Registry), and 'F&TR' (Fracture & Trauma Registry). The footer contains copyright information for 2012-2022 AAOS and links for 'Feedback', 'Privacy Policy', and 'Version: 2022.10.02.1'.

Registry dashboards are available  
'on demand' when logging in to  
the Registry Insights Portal

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Data is refreshed nightly

# Dashboard | Access Overview

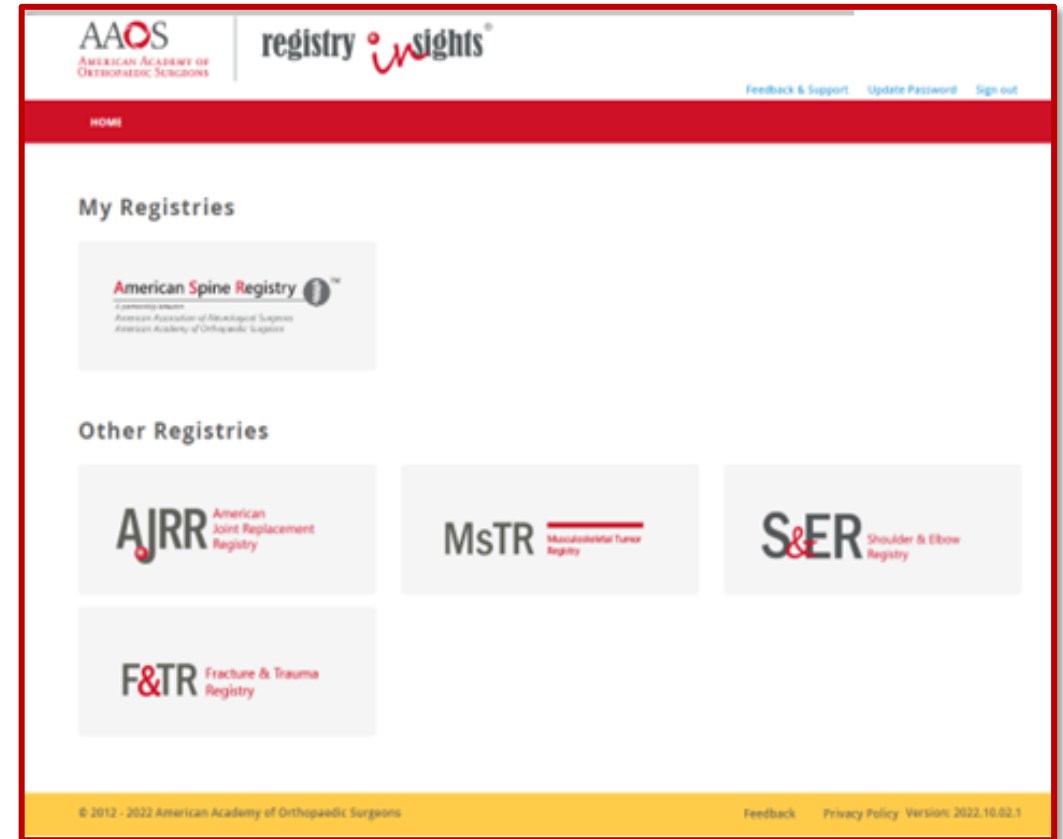
There are two dashboard views available:

## Registry Authorized User:

- Administrative users at participating sites
- These users can view data for their site or for multiple sites within a system

## Surgeon Authorized User:

- Individual surgeon users at participating sites
- These users can view data for their procedures only
- These accounts are setup by the participating site



# Dashboard | Tabbed View Summary



Tab	Description
Procedures	Displays aggregate case data for an individual institution, health care system or surgeon for comparisons against National and/or System Data for a specific registry
Post Discharge	Displays aggregate readmission case data for an individual institution, health care system or surgeon for comparisons against National and/or System Data for a specific registry
PROMs	Displays aggregate patient reported outcome data for an individual institution, health care system or surgeon for comparisons against National and/or System Data for a specific registry
PreOp PROMs	Displays aggregate preoperative patient reported outcome data for an individual institution, health care system or surgeon for a specific registry
Performance	Displays the quality program performance measure scores
All Data	Displays all case data for a specific registry



# Dashboard | Site & Surgeon Feedback

Registry Procedure T... Gender Age Groups Encounter Date Range

Multiple selections All All All 1/1/2007 12/31/2020

Institution

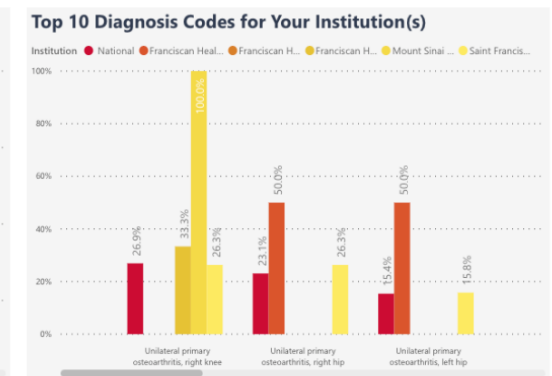
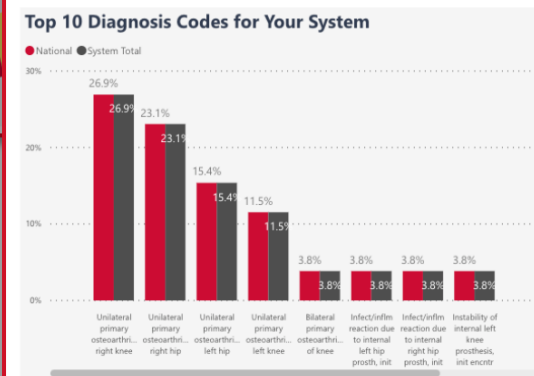
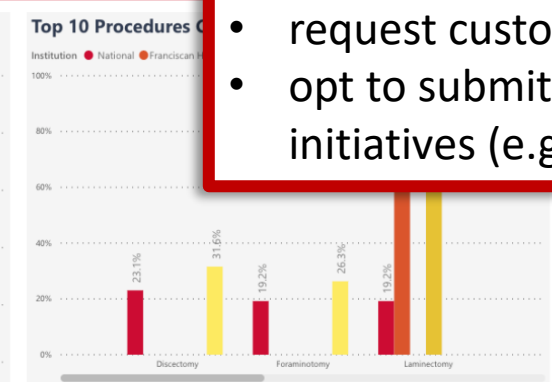
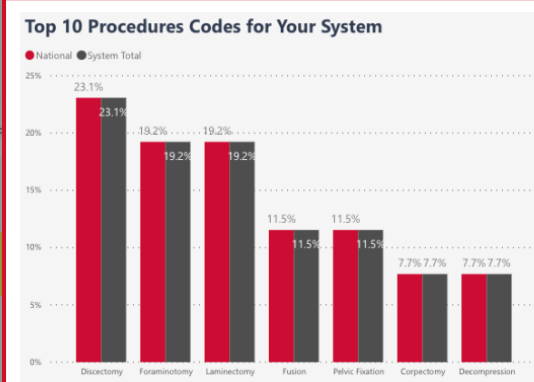
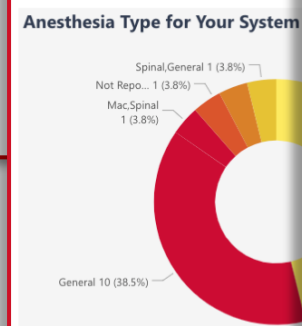
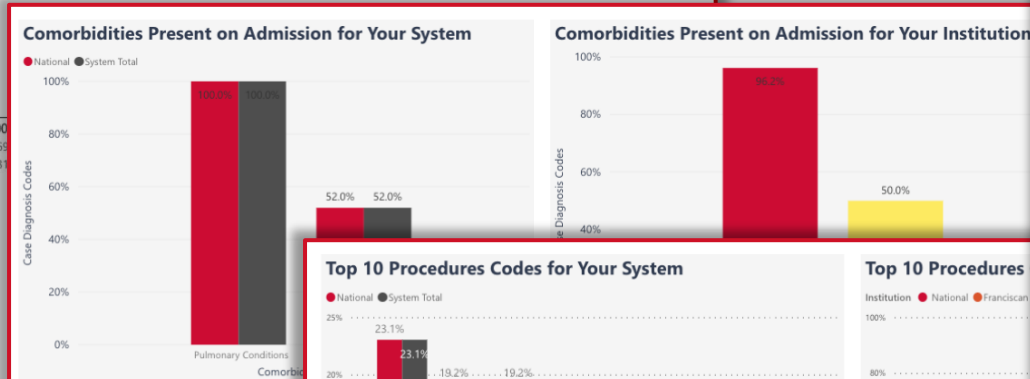
All

### Your Procedures

Gender	N	%
Total	26	100.00%
Female	15	57.69%
Male	11	42.31%

Procedure Type	N	%
Total	26	100.00%
Corpectomy	2	7.69%
Decompression	2	7.69%
Discectomy	6	23.08%
Foraminotomy	5	19.23%
Fusion	3	11.54%
Laminectomy	5	19.23%
Pelvic Fixation	3	11.54%

Procedure Type	Mean Age (years)
Total	71.31
Corpectomy	81.00
Decompression	73.50
Discectomy	66.17



Site Admins & Surgeons have accounts where they are able to:

- see their procedural, post-operative and PROM data
- compare themselves to national benchmarks
- request custom reports
- opt to submit data for quality initiatives (e.g. MOC, QPP)



# Dashboard | PROM Management

AAOS AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS | registry insights™

UNET Community Feedback & Support Sign out

HOME SEARCH PRE-REGISTRATION DASHBOARD & REPORTS TOOLS & RESOURCES DATA MANAGEMENT ADMINISTRATION

HOME / REPORTS

### Procedure Reports

- Count of Components by Type
- Count of Procedures by ICD-10 Procedure Codes
- Count of Procedures by CPT Procedure Codes
- Procedures With Component Information (ICD-10)
- Shoulder Procedures Submitted to SER (ICD-10)
- Count of Procedures By Surgeon

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HOME SEARCH PRE-REGISTRATION DASHBOARD & REPORTS TOOLS & RESOURCES DATA MANAGEMENT ADMINISTRATION

HOME / REPORTS / PROM PATIENT STATUS REPORT

Entries: 10 Results 1-10 of 1

ACCOUNT ID	HOSPITAL/ASC NAME	PATIENT ID	PATIENT LAST NAME	PATIENT FIRST NAME	PATIENT DATE OF BIRTH	PATIENT EMAIL ADDRESS	PATIENT PHONE TYPE	PATIENT PHONE NUMBER	PROCEDURE	LATERALITY	PLANNED SURGERY DATE	SURGEON NPI
1041062	SER Test Hospital 1	PRP30258	atAAOS	johnny	1/1/1980				Shoulder Arthroplasty	Left	1/24/2019	
1041062	SER Test Hospital 1	PRP30258	atAAOS	johnny	1/1/1980							
1041061	SER Test Hospital 5	PRP30261	Bobby	Ricky	7/16/2019							
1041061	SER Test Hospital 5	PRP30261	Bobby	Ricky	7/16/2019							
1041062	SER Test Hospital 1	PRP30246	Brown	Charlie	1/1/1980				Arthroplasty	Left	1/20/2019	
1041062	SER Test Hospital 1	PRP30246	Brown	Charlie	1/1/1980				Shoulder Arthroplasty	Left	1/20/2019	
1041062	SER Test Hospital 1	PRP30235	butkus	dick	1/1/1980				Shoulder Arthroplasty	Left	1/20/2019	

PRE-REGISTRATION FORM PRE-REGISTRATION UPLOAD

This form allows AJRR Users to pre-register patients prior to surgery for pre-operative, patient-reported outcome measures (PROMs) data collection. Once the form has been submitted, a patient pre-operative case will be added to the Registry. The pre-registration process permits users to collect PROMs from patients via the AJRR platform through the patient kiosk or through manual entry of a patients' PROMs responses into the platform if collected by paper or clinician/surrogate administration.

### PART 2: Pre-Operative Case Information

Please complete all applicable required and optional fields of the pre-operative case section. Case information is required for all cases to be added to the Registry. Please note that all case data requested pertains to future procedures.

Planned Proc Date

Procedure Site

Shoulder

Elbow

Institution

Surgeon

Payer info

Submit

### PART 1: Patient demographic details

Please complete all applicable required and optional fields of the patient demographic section. Note: Email is conditionally required, however if you are administering assessments via email you must provide a patient email or the system will not be able to send the email to the patient.

If the Patient Social Security Number (SSN) is not available, please select the 'Not Available' option next to the Social Security field. Please note that the Registry also accepts the last 4 digits of the SSN. Patient SSN assists the Registry with achieving its mission through the ability to track longitudinal device information.

Social Security\*

Not Available

Email

**PROM submission can occur via existing site systems/technology, via manual upload, or through the ASR PROM solution**



# Dashboard | New Filters

## Institution Type

\*These filters only affect the "National" values in the visuals below

Institution Type	Bed Count	Teaching Status
All <span>^</span>	All <span>∨</span>	All <span>∨</span>
<input type="checkbox"/> Select all		
<input type="checkbox"/> Ambulatory Sur...		
<input type="checkbox"/> Health System		
<input type="checkbox"/> Hospital		
<input type="checkbox"/> Private Practice		

## Bed Count

\*These filters only affect the "National" values in the visuals below

Institution Type	Bed Count	Teaching Status
All <span>∨</span>	All <span>^</span>	All <span>∨</span>
	<input type="checkbox"/> Select all	
	<input type="checkbox"/> <100	
	<input type="checkbox"/> 100-399	
	<input type="checkbox"/> 400+	

## Teaching Status

\*These filters only affect the "National" values in the visuals below

Institution Type	Bed Count	Teaching Status
All <span>∨</span>	All <span>∨</span>	All <span>^</span>
		<input type="checkbox"/> Select all
		<input type="checkbox"/> Community
		<input type="checkbox"/> Major
		<input type="checkbox"/> Minor
		<input type="checkbox"/> Non Teaching



# American Spine Registry



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## **Submission Status Overview**

# Submission | Status Overview

- **In Process:** The file is not fully processed. Submissions are usually processed within 48 hours.
- **Success:** All records in the file were processed without any warnings or rejections.
- **Success with Warnings:** All records were fully processed, however, there are warnings attributed to data elements that did not adhere to the acceptable values outlined by the AAOS data specifications format (such as blank fields, invalid or incomplete data fields, etc.)
- **Partial Case Rejection:** Some records in the file were rejected due to submitted element values or file format not aligning with the AAOS data specifications. These rejections must be corrected and the file resubmitted.
- **All Cases Rejected:** All records were not successfully processed due to submitted element values or file format not aligning with the AAOS data specifications. These rejections must be corrected and the file resubmitted.
- **Unknown:** On rare occasions, if our system is unable to determine the status of one or more records in the file, an unknown status is displayed.

# Submission | Success with Warnings

All records were fully processed, however, there are warnings attributed to data elements that did not adhere to the acceptable values outlined by the AAOS data specifications format (such as blank fields, invalid or incomplete data fields, etc.)

D	DATA SUBMITTED BY	FILENAME	STATUS	
4	Registry Test Healthcare System	1040823_20240126025457_1040824_PRO_ASR_Lumbar_NA1.csv.pgp	 Partial Case Injection	<a href="#">View</a>
23	Registry Test Healthcare System	1040823_20231117033739_1040824_RegistryTestHospital1_ASR_Lumbar_PRO_29328_Validation.csv.pgp	 Success with Warnings	<a href="#">View</a>
23	Registry Test Healthcare System	1040823_20231117033716_1040824_RegistryTestHospital1_ASR_Lumbar_Procedure_29328_Validation.csv.pgp	 Success	<a href="#">View</a>
23	Registry Test Healthcare System	1040823_20231117033647_1040824_RegistryTestHospital1_ASR_Cervical_PRO_28221_Validation.csv.pgp	 Success	<a href="#">View</a>
23	Registry Test Healthcare System	1040823_20231117033613_1040824_RegistryTestHospital1_ASR_Cervical_Procedure_28221_Validation.csv.pgp	 Success	<a href="#">View</a>

# Submission | Success with Warnings

Selecting "**View**" will display the File Processing Summary, allowing you to determine the details of the warnings.

## File Processing Details

File processing validates that the structure of the file matches the data specification, and checks the data elements within the file for data integrity and accuracy.

For questions, contact AAOS Registry Support at [RegistrySupport@aaos.org](mailto:RegistrySupport@aaos.org)

**Uploaded On** 11/17/2023

**Uploaded By** Registry Test Healthcare System

**File Name** 1040823\_20231117033739\_1040824\_RegistryTestHospital1\_ASR\_Lumbar\_PRO\_29328\_Validation.csv.pgp

## File Processing Summary

INSTITUTION	FILE TYPE	TOTAL	SUCCESS	REJECTED	WARNINGS	IN PROCESS	TAILS
Registry Test Hospital 1	PRO	5	5	0	4	0	<a href="#">View</a>

## File Error Details

FAILED FIELD    COUNT

# Submission | Success with Warnings

Selecting "View" will display a detailed summary of the cause of the flags.

## Processing Details

Status

Entries

Results 1-10 of

FILE LINE	MESSAGE	FAILED FIELD NAME	STATUS	SUBMITTED RECORD
7e6a0ea7-6c43-4546-a5d9-8d0c803f2f7c	Unable to validate answer for input value And and report number identifier PROMIS_GLOBAL_Q1	PROMIS_GLOBAL_Q1	Flagged	<a href="#">View</a>
da3c2e71-2786-4afd-970f-57d084080b38	Unable to validate answer for input value Answer and report number identifier PROMIS_GLOBAL_Q9	PROMIS_GLOBAL_Q9	Flagged	<a href="#">View</a>
7e6a0ea7-6c43-4546-a5d9-8d0c803f2f7c	Unable to validate answer for input value Answer and report number identifier VR_12_Q6	VR_12_Q6	Flagged	<a href="#">View</a>
63008a2f-8b01-4cfc-bb2e-f04643f172cd	Unable to validate answer for input value Answers and report number identifier PROMIS_GLOBAL_Q1	PROMIS_GLOBAL_Q1	Flagged	<a href="#">View</a>
da3c2e71-2786-4afd-970f-57d084080b38	Unable to validate answer for input value Answers and report number identifier VR_12_Q13	VR_12_Q13	Flagged	<a href="#">View</a>
7e6a0ea7-6c43-4546-a5d9-8d0c803f2f7c	Unable to validate answer for input value Answers and report number identifier VR_12_Q13	VR_12_Q13	Flagged	<a href="#">View</a>
63f82c63-c3d6-4490-a6b2-82cf7112d33e	Unable to validate answer for input value Answers and report number identifier VR_12_Q5	VR_12_Q5	Flagged	<a href="#">View</a>
63f82c63-c3d6-4490-a6b2-82cf7112d33e	Unable to validate answer for input value Are and report number identifier VR_12_Q2	VR_12_Q2	Flagged	<a href="#">View</a>
63008a2f-8b01-4cfc-bb2e-f04643f172cd	Unable to validate answer for input value Be and report number identifier PROMIS_GLOBAL_Q4	PROMIS_GLOBAL_Q4	Flagged	<a href="#">View</a>
da3c2e71-2786-4afd-970f-57d084080b38	Unable to validate answer for input value Be and report number identifier VR_12_Q5	VR_12_Q5	Flagged	<a href="#">View</a>



# Submission | Success with Warnings

Selecting "**View**" will display the specific case where the flag occurred.

An acceptable value must be added, and the file must be resubmitted in order to remove the warning and achieve Success status.

*Please refer to the Data Specifications for the list of acceptable values for each field.*

VR_12_Q8	Invalid
VR_12_Q9	Values
VR_12_Q10	Instead
VR_12_Q11	Of
VR_12_Q12	Valid
VR_12_Q13	Answers
VR_12_Q14	Today
VR_12_Summary	
PROMIS_GLOBAL_Q1	And
PROMIS_GLOBAL_Q2	We'll
PROMIS_GLOBAL_Q3	Do
PROMIS_GLOBAL_Q4	Invalid
PROMIS_GLOBAL_Q5	here
PROMIS_GLOBAL_Q6	Too
PROMIS_GLOBAL_Q7	Just
PROMIS_GLOBAL_Q8	Because
PROMIS_GLOBAL_Q9	We
PROMIS_GLOBAL_Q10	Can
PROMIS_GLOBAL_Summary	

# Submission | Partial Case Rejection

Some records in the file were rejected due to submitted element values or file format not aligning with the AAOS data specifications.

5/23/2024	Registry Test Healthcare System	1040823_20240523014925_1040824_Registry Test Hospital 1_ASR_Lumbar_Procedure_052024.csv.pgp	✓ Success	<a href="#">View</a>
4/29/2024	Registry Test Hospital 1	1040824_Registry Test Hospital 1_ASR_Lumbar_PostOp_SUP_Validation.csv.pgp	✓ Success	<a href="#">View</a>
4/29/2024	Registry Test Healthcare System	1040823_20240429164646_1040824_Registry Test Hospital 1_ASR_Lumbar_Procedure_SUP_Validation.csv.pgp	✓ Success	<a href="#">View</a>
4/29/2024	Registry Test Healthcare System	1040823_20240429164235_1040824_RegistryTestHospital1_ASR_LumbarPRO_SUP_Validation.csv.pgp	⚠ Partial Case Rejection	<a href="#">View</a>

# Submission | Partial Case Rejection

Selecting "**View**" will display the File Processing Summary, allowing you to determine the details of the error.

## File Processing Details

File processing validates that the structure of the file matches the data specification, and checks the data elements within the file for data integrity and accuracy.

For questions, contact AAOS Registry Support at [RegistrySupport@aaos.org](mailto:RegistrySupport@aaos.org)

**Uploaded On** 4/29/2024

**Uploaded By** Registry Test Healthcare System

**File Name** 1040823\_20240429164235\_1040824\_RegistryTestHospital1\_ASR\_LumbarPRO\_SUP\_Validation.csv.pgp

## File Processing Summary

INSTITUTION	FILE TYPE	TOTAL	SUCCESS	REJECTED	WARNINGS	IN PROCESS	DETAILS
Registry Test Hospital 1	PRO	5	4	1	0	0	<a href="#">View</a>

## File Error Details

FAILED FIELD	COUNT
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PROMs_Date	1
------------	---

# Submission | Partial Case Rejection

Selecting "**View**" will display a detailed summary of the cause of the error.


**Processing Details**

Status  
All

Entries 10

FILE LINE	MESSAGE	FAILED FIELD NAME	STATUS	SUBMITTED RECORD
cadf080a-1514-4031-90e4-401dcb00a8e9	No PRO Interval found using PROMs_Date and ProcedureDate	PROMs_Date	Rejected	<a href="#">View</a>

Results 1-1 of 1



# Submission | Partial Case Rejection

Selecting "**View**" will display the specific case where the error has occurred.

The error must be corrected, and the file must be resubmitted in order to achieve Success status.

PatInstitutionID	cb674bw88	
PatSSN	xxxxx6260	
PatFirstName	Ronnie	
PatMiddleName	Kendra	
PatLastName	Parrish	
PatDOB	9/1/1951 12:00:00 AM	
PatDeathDate		
PatSex	Female	
PatRace	Native Hawaiian or Other Pacific Islander	
PatEthnicity	NR	
PatCity	Alton	
PatState	AL	
PatZip	35015	
PatCountry	US	
PatEmail	Mederos215@hotmail.com	
PatPhone	596-317-2071	
SurFirstName	Harold	
SurLastName	Kernodle Jr.	
SurNPI	1912927633	
ProcedureDate	06/23/2023	
PatTobaccoUse	Former Smoker	
PROMs_Date	07/18/2023	No PRO Interval found using PROMs_Date and ProcedureDate.
PROMs_Title	NR	

# Tools and Resources Updates

The Tools and Resources section has been updated to improve the organization of instructional documents. Explore the new layout in the menu.

The screenshot displays the American Spine Registry (ASR) website interface. At the top left, the ASR logo is accompanied by the text: "American Spine Registry™ A partnership between American Association of Neurological Surgeons American Academy of Orthopaedic Surgeons". To its right is the "registry insights" logo. A yellow "ASR" button is located in the top right corner. A red navigation bar contains the following items: HOME, SEARCH, PRO PORTAL, DASHBOARD & REPORTS, TOOLS & RESOURCES (highlighted with a yellow box), DATA MANAGEMENT, and ADMINISTRATION. A secondary navigation bar includes links for Registry Insights, Report Password, Feedback & Support, Update Password, and Sign out. Below the navigation bar, there are two tabs: HOME and MY TEST DATA. A central content area features two news items: "7/12/24 The Tools and Resources section was updated to improve the organization of instructional documents. Explore the new layout in the menu." and "6/21/24 New visuals for the Blue Cross Blue Shield Blue Distinctive Performance Measures tab. View the 6.20 Release Notes in the Tools and Resources section to learn more." Below this is a "Stats" section with four panels: "Registry Total Procedures" (361.67 K), "Your Breakdown" (a donut chart showing Cervical at 55.95% and Lumbar at 44.05%), "Your Total Procedures" (1.27 K), and "Actual Cases" (Earliest Procedure: 8/26/2018, Latest Procedure: 7/28/2023).

# Support Questions



[Registry Insights Report Password](#)

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[PROM HOME](#)

[INDUSTRY HOME](#)

7/12/24 The Tools and Resources section was updated to improve the organization of instructional documents. Explore the new layout in the menu.

Registry Insights SFTP Changes. Refer to the announcement below.

6/21/24 New visuals for the Blue Cross Blue Shield Blue Distinction program were added to the Performance Measures tab. View the 6.20 Release Notes in the Tools and Resources section to learn more.

## Stats

### Registry Total Procedures

361.92 K

### Your Breakdown

- NR (0%)
- Cervical (32.93%)
- Lumbar (67.07%)



### Your Total Procedures

361.92 K

### Actual Cases

Earliest Procedure

4/16/2015

Latest Procedure

7/12/2024



# Questions?

[Info@AmericanSpineRegistry.org](mailto:Info@AmericanSpineRegistry.org)

[www.americanspineretry.org](http://www.americanspineretry.org)

Improving spine care through **data.**