

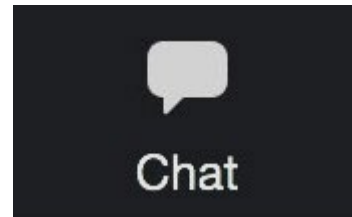
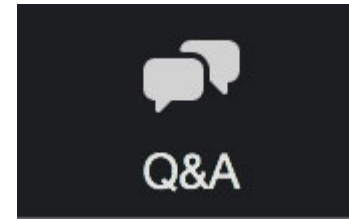
Thank you for joining us today!

**The webinar will begin at:
1 PM ET, 12 PM CT, 11 AM MT, 10 AM PT**

We look forward to your participation!

Main Controls

Use the Q&A button to submit questions to Faculty



Use the Chat button to request assistance from AAOS Staff

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About This Webinar

WEBINAR: COMPLEX CASES IN HIP PRESERVATION: NAVIGATING THE SPECTRUM

Live Stream

Click here to download the slide deck

AAOS WEBINARS

DESCRIPTION LEARNING OBJECTIVES DISCLOSURES

Femoroacetabular impingement (FAI) syndrome and hip instability/dysplasia have er understanding of hip pathology has spurred a concomitant increase in surgical proc orthopedic surgery. This webinar will discuss multiple complex cases in hip preservat management of a variety of hip conditions, including FAI syndrome and hip instabilit

[Download presentation slides](#)

Program Evaluation

After the event, go back to learn.aaos.org



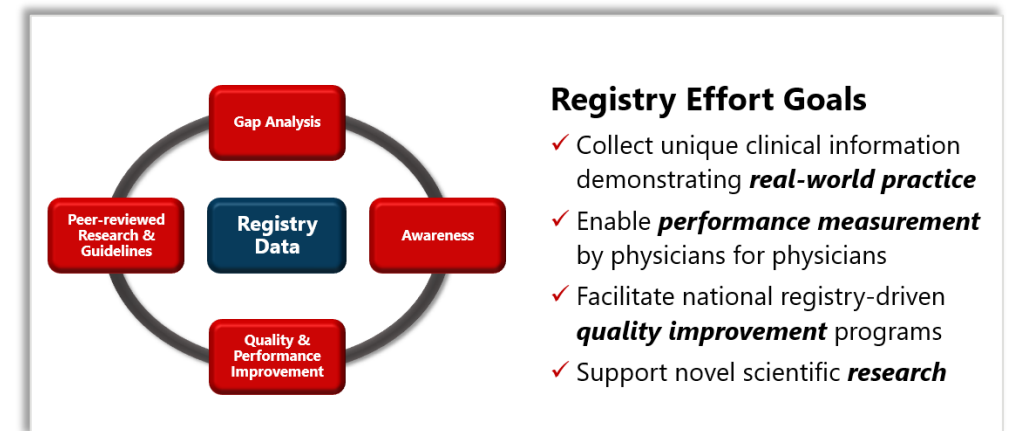
Don't forget to tell us how we did!

American Spine Registry Resources for TJC Advanced Certification in Spine Surgery

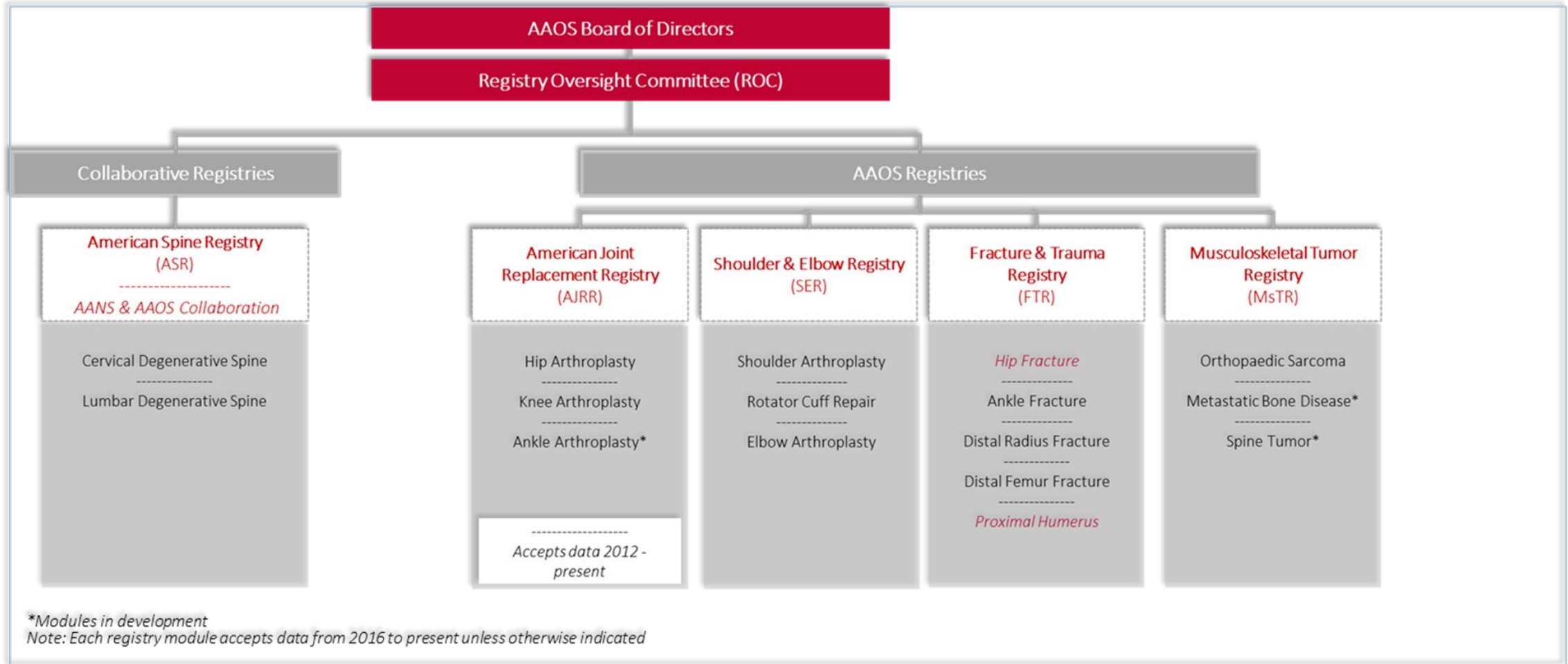
June 7, 2023

Agenda

- American Spine Registry (ASR) Data
Element & Submission Overview
- TJC Advanced Certification in Spine Surgery (ACSS) Performance Measures
- Viewing ACSS Performance Measure Data
RegistryInsights®
- Available Tools and Resources for TJC Sites

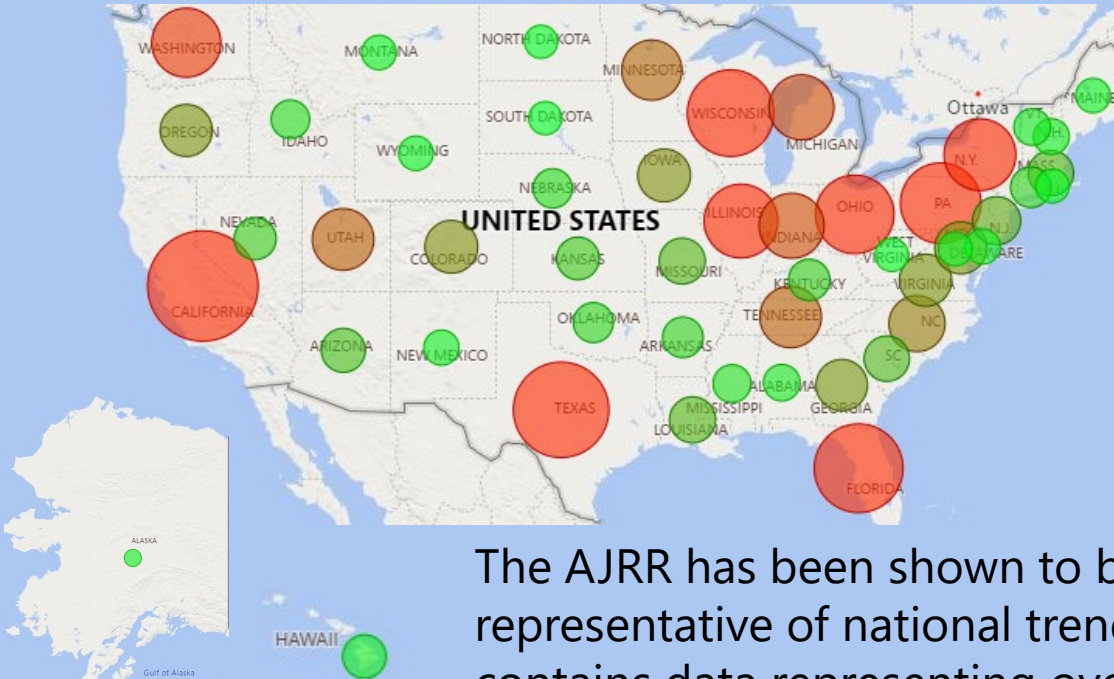


AAOS Registry Program | Overview



Participation Across the Registries

Sites by State

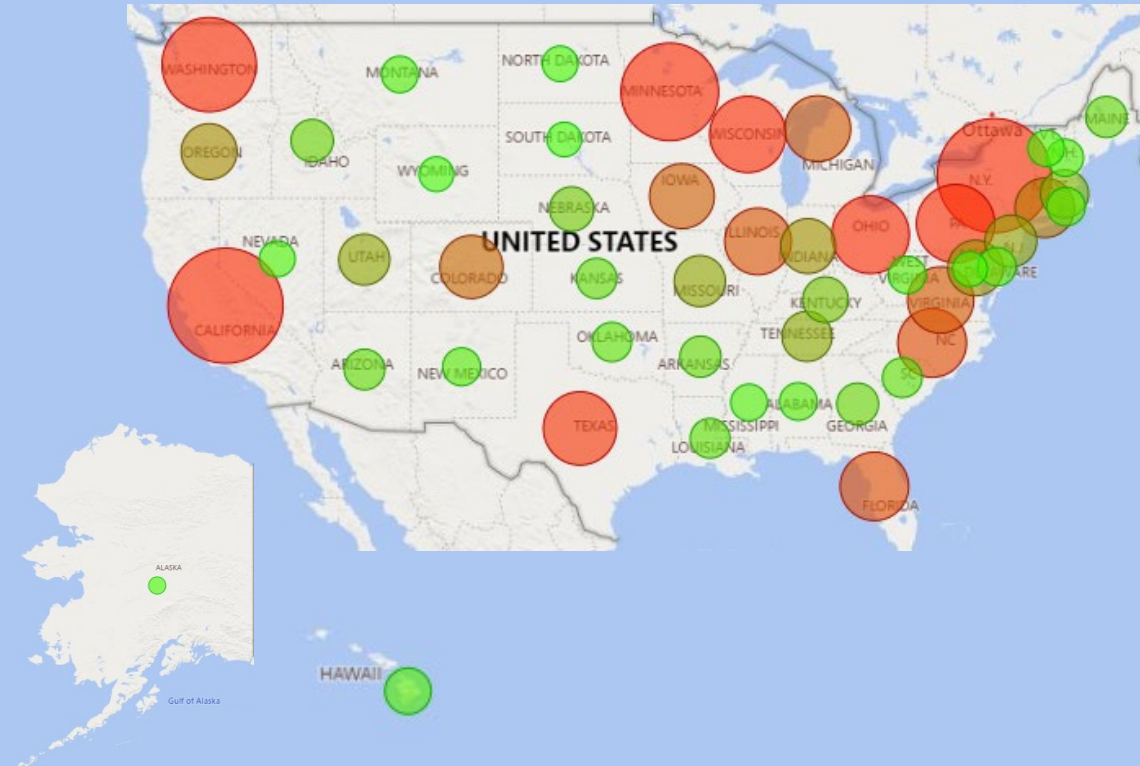


The AJRR has been shown to be representative of national trends and contains data representing over 3.2M procedures.

ASR includes data representing over 190,000 procedures and over 160,000 patients with over 250 participating sites and over 800 registered surgeons

Over 1,400 participating sites contracted and 14,000 registered surgeons across all 50 states.

Procedures by State



Registry Data Collection | Core Data Elements

These Core Data Elements are collected across all AAOS and Collaborative Registries.

Procedure

Patient

- Name (Last, First), Date of Birth, SSN
- Diagnosis (ICD-10)
- Gender
- Race/Ethnicity
- Height + Weight/Body Mass Index
- Payer Status

Site of Service

- Name and Address (TIN/NPI)

Surgeon

- Name (NPI)

Procedure

- Type (ICD-10, CPT)
- Date of Surgery
- Implants (Manufacturer, Lot #)
- Anesthesia Type

Procedure, continued

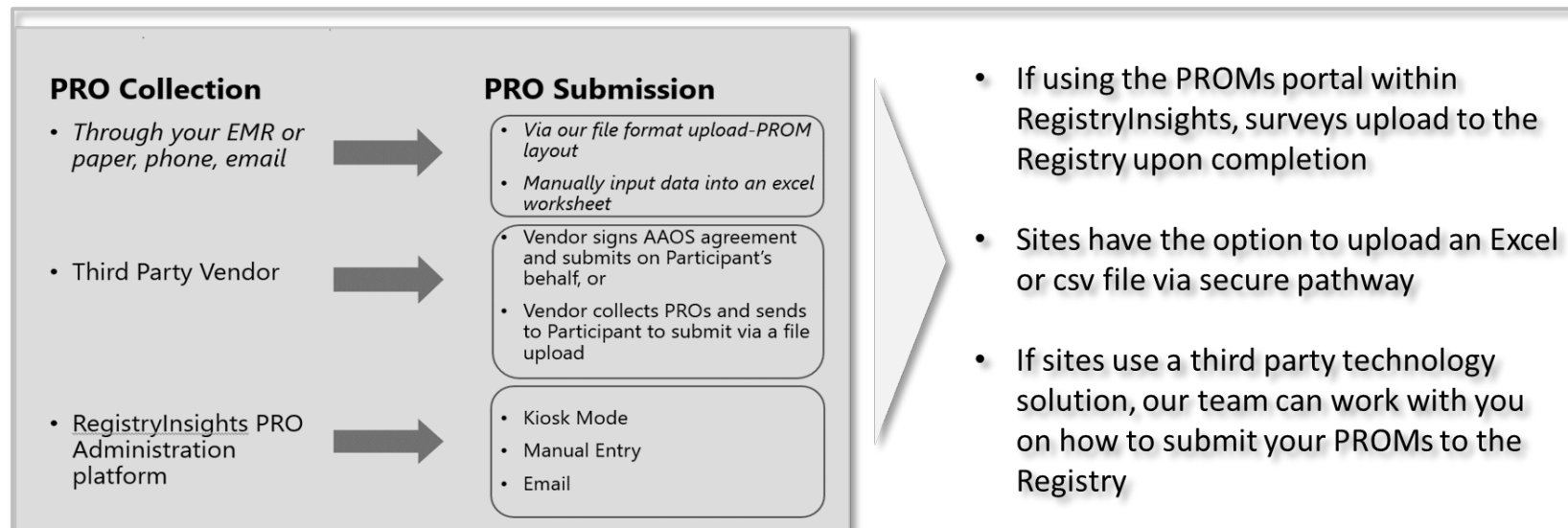
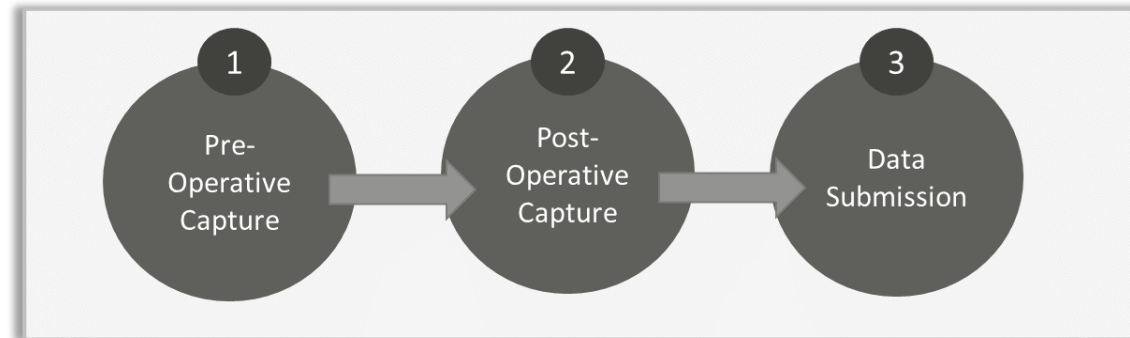
- Length of Stay
- American Society of Anesthesiologists Score
- Charlson Comorbidity Index (CCI)

Comorbidities & Complications

- Comorbidities (ICD-10)
- COVID-19 as prior diagnosis
- Height + Weight/Body Mass Index
- Length of Stay
- American Society of Anesthesiologists Score
- Charlson Comorbidity Index (CCI)
- Operative and Post-operative Complications

PROMs

Registry participants may submit data to the registry or utilize the registry portal to collect patient reported outcomes. The portal supports multiple workflow options for collection (i.e. computer, tablet device, paper methods).

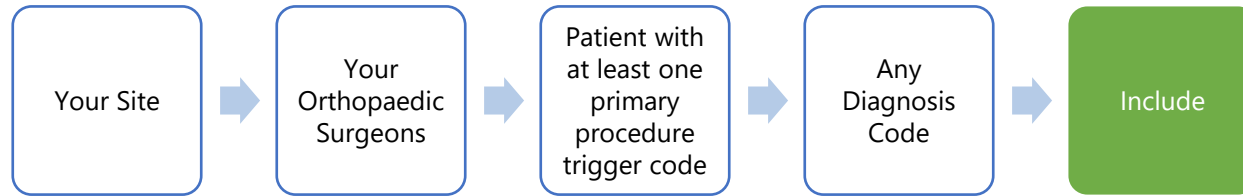


PROMs Intervals

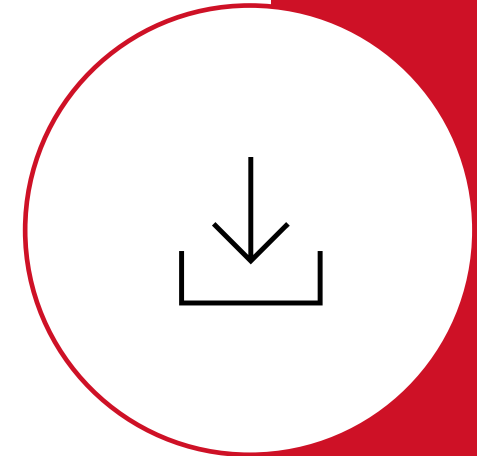
Collection Interval	Definition
Baseline/Pre-operative*	From 90 days before procedure to the date of procedure
90 days/3 months*	From 30 days after procedure to 150 days after procedure
6 months	From 150 days after procedure to 210 days after procedure
12 months	From 270 days after procedure to 425 days after procedure
Yearly	Every year after procedure, +/- 60 days after procedure anniversary

*TJC PROMs Metric Intervals

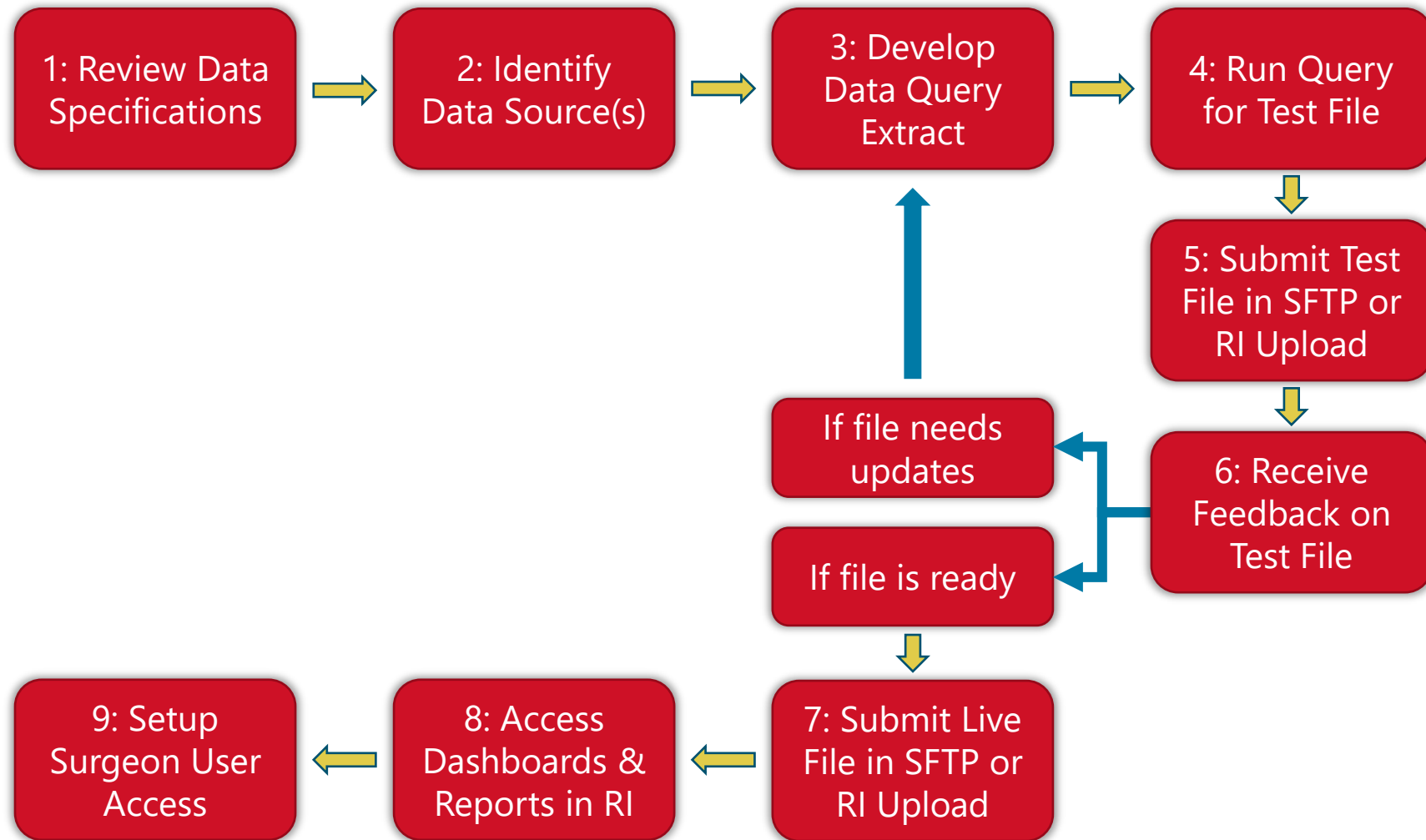
Data Submission



- Use Inclusion Criteria Guide to identify ASR procedures
 - Additionally accepted coding listed in ASR data specifications
 - Data fields defined further in the data dictionary, along with acceptable values, and data domain for each element (demographic, pre-op, procedural, component, etc.)
- Three ways to submit:
 - Automatic submission via SFTP
 - File drop via the RegistryInsights® platform (csv, xls)
 - Via a third-party vendor authorized to submit data to the registry on a site's behalf



Registry Data Submission Process



*Recently submitted files can always be reviewed for rejections or flags in RegistryInsights® (RI)

**Data should be submitted *at least quarterly* with best practice being *at least monthly*

TJC Advanced Certification in Spine Surgery

- ACSS
 - A minimum of 200 cases
 - Participation in ASR
 - 3 components to certification:
 - Standards of clinical care delivery
 - Use of clinical practice guidelines
 - Performance measurement
 - 8 measures captured through data elements in 90-day post-op and PROMs submission

American Spine Registry



A partnership between

American Association of Neurological Surgeons

American Academy of Orthopaedic Surgeons



ACSS Measures

Measure Name	Description	Denominator	Numerator
Surgical Site Infection Rates	Patients with a post-operative surgical site infection identified within 90 days after the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR.	Spine cases with documented surgical site infection within 90 days of the primary procedure.
New Neurological Deficits	Patients with new neurological deficits present within 90 days after the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR.	Spine cases with new unexpected neurologic deficit with focus motor strength that is a 3/5 or worse.
Unplanned Return Visit to the OR	Patients who had an unplanned return to the OR within 90 days of the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR that are not multi-stage procedures.	Spine cases that are not multi-stage procedures, with unplanned return visits to the operating room.
Pre-operative and Post-operative Patient Reported Outcomes (PROs)	Proportion of patients submitted to ASR who completed the general health and spine specific functional status assessments: 90 days prior to surgery and 90 days post-operatively.		

ACSS Data Collection

Measure Name	Data Element Collection
Surgical Site Infection Rates	<i>Surgical site infection rates would be identified by ICD-10 coding in the ASR data specifications. For additional information on SSI per the criteria set forth by the CDC and the Surveillance for Surgical Site Infection (SSI) Event, please refer to this document: https://www.cdc.gov/nhsn/pdfs/pscmanual/9pscscssicurrent.pdf</i>
New Neurological Deficits	<i>New Neurological deficits would be identified by ICD-10 coding (see ASR data specifications)</i>
Unplanned Return Visit to the OR	<i>Unplanned return visits to the OR would be identified by ICD-10 coding (see ASR data specifications)</i>
Pre-operative and Post-operative Patient Reported Outcomes (PROs)	<i>Sites would submit one general health and one spine specific functional status assessments currently accepted by ASR. ASR accepts the following assessments: PROMIS-10, VR-12, ODI, NDI, PROMIS Physical Function, Numeric Rating Scale, PROMIS-CAT, PROMIS-29, PROMIS Pain Interference, PROMIS Emotional Distress Depression, PROMIS Emotional Distress Anxiety, EQ-5D</i>

ACSS Data Collection | Specifications

Advanced Certification in Spine Surgery (ACSS)						
Measure Name	Description	Denominator	Numerator			
Surgical Site Infection Rates	Patients with a post-operative surgical site infection identified within 90 days after the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR.	Spine cases with documented surgical site infection within 90 days of the primary procedure.			
New Neurological Deficits	Patients with new neurological deficits present within 90 days after the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR.	Spine cases with new unexpected neurologic deficit with focus motor strength that is a 3/5 or worse.			
Unplanned Return Visit to the OR	Patients who had an unplanned return to the OR within 90 days of the primary procedure.	All primary cervical and lumbar degenerative spine cases submitted to ASR that are not multi-stage procedures.	Spine cases that are not multi-stage procedures, with unplanned return visits to the operating room.			
Pre-operative and Post-operative Patient Reported Outcomes (PROs)	Proportion of patients submitted to ASR who completed the general health and spine specific functional status assessments: 90 days prior to surgery and 90 days post-operatively					
Inclusion Overview	Primary CPT Trigger Codes	Secondary PCS Codes	Supplemental Codes	Degenerative Diagnosis	ACSS Measures	ACSS Coding

ASR 2021 Data Specifications include designated tabs for the ACSS Measures and Coding to guide data collection and submission.

ACSS Data Collection | Coding

A	B	C	D	E	F	G
1	Advanced Certification in Spine Surgery (ACSS)					
2	Measure: Surgical Site Infection Rates	Surgical site infection rates would be identified by ICD-10 coding, including use of T81.49XA. For additional information on SSI per the criteria set forth by the CDC and the Surveillance for Surgical Site Infection (SSI) Event, please refer to this document: https://www.cdc.gov/nhsn/pdfs/pscmanual/9pscscsscurrent.pdf				
3	A40.8	Other streptococcal sepsis				
4	A41.01	Sepsis due to Methicillin susceptible Staphylococcus aureus				
5	A41.02	Sepsis due to Methicillin resistant Staphylococcus aureus				
6	E83.2	Disorders of zinc metabolism				
7	L08.89	Other specified local infections of the skin and subcutaneous tissue				
8	L08.9	Local infection of the skin and subcutaneous tissue, unspecified				
9	M00.00	Staphylococcal arthritis, unspecified joint				
10	M00.10	Pneumococcal arthritis, unspecified joint				
11	M00.20	Other streptococcal arthritis, unspecified joint				
12	M00.80	Arthritis due to other bacteria, unspecified joint				
13	M00.9	Pyogenic arthritis, unspecified				
14	M00.08	Staphylococcal arthritis, vertebrae				
15	M00.18	Pneumococcal arthritis, vertebrae				
16	M00.28	Other streptococcal arthritis, vertebrae				
17	M00.88	Arthritis due to other bacteria, vertebrae				
18	M00.9	Pyogenic arthritis, unspecified				
19	M00.08	Staphylococcal arthritis, vertebrae				
20	M00.18	Pneumococcal arthritis, vertebrae				
21	M00.28	Other streptococcal arthritis, vertebrae				
22	M00.88	Arthritis due to other bacteria, vertebrae				
23	M00.9	Pyogenic arthritis, unspecified				
24	M00.09	Staphylococcal polyarthritis				
25	M00.19	Pneumococcal polyarthritis				
26	M00.29	Other streptococcal polyarthritis				

- ACSS Measures are collected via ICD-10 coding.
- Coding lists for each measure are available on the ACSS Coding tab in the 2021 ASR Data Specifications.
- Codes would be associated with a case, if applicable, and uploaded to ASR

RegistryInsights® Dashboard Metrics

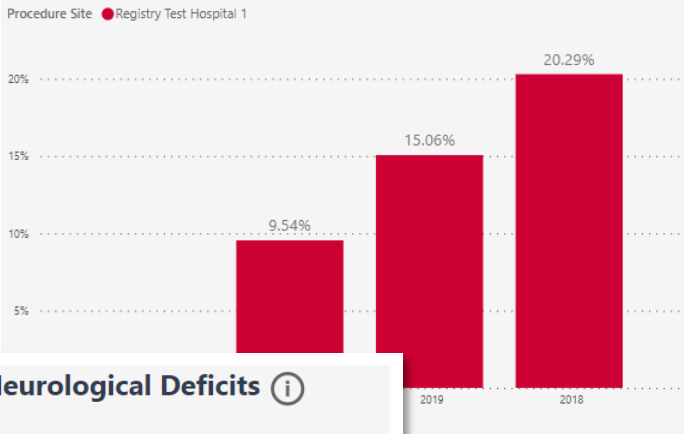
The screenshot shows the top section of the AAOS Registry Insights dashboard. On the left is a sign-in form with fields for Email Address and Password, a 'Sign in' button, and a 'Sign up now' link. On the right is a navigation menu with 'HOME', 'SEARCH', and 'DASHBOARD & REPORTS'. Under 'DASHBOARD & REPORTS', there are sub-items: 'Institution Dashboard' (highlighted with a yellow arrow) and 'Reports'. Below the navigation menu, there are links for 'HOME' and 'MY TEST D'.

This screenshot shows a horizontal navigation bar with four tabs: 'Your Institution Procedures', 'Your 90 Day Readmission Data', 'Your PROMs', and 'Your Performance Measures'. The 'Your Performance Measures' tab is highlighted with a yellow oval and a green underline.

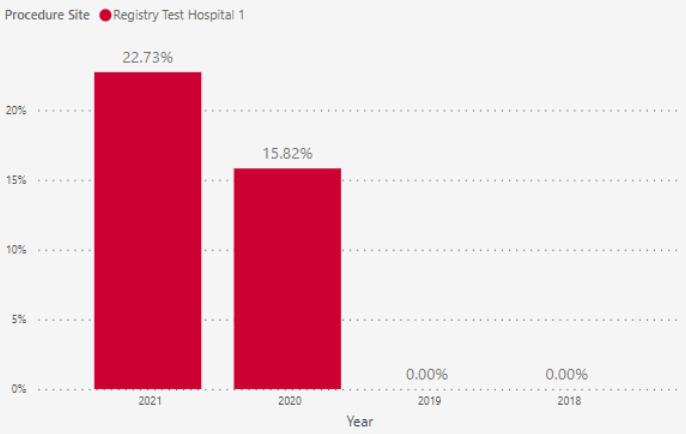
Registry Insights Dashboard Metrics

Track Performance Rates in Measures Dashboard

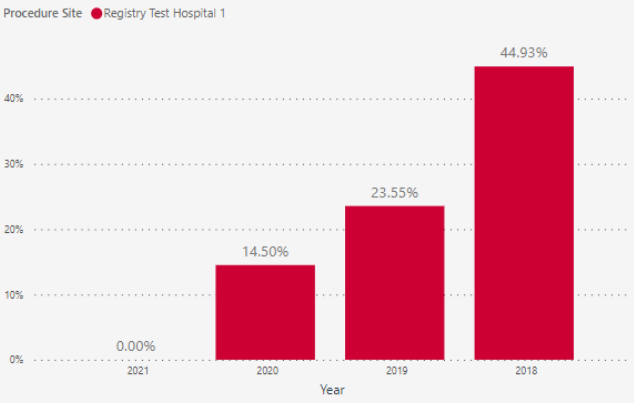
(6) Cervical Surgical Site Infection Rates ⓘ



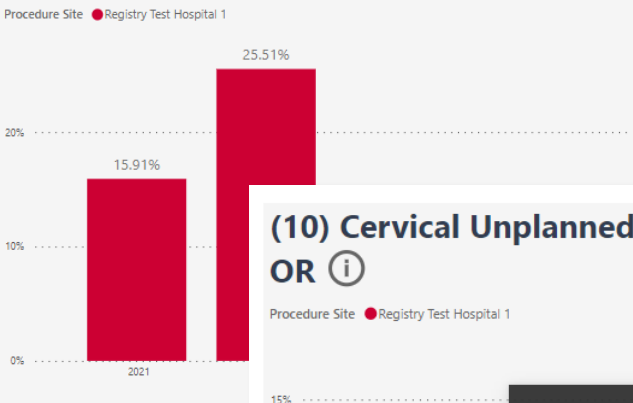
(7) Lumbar Surgical Site Infection Rates ⓘ



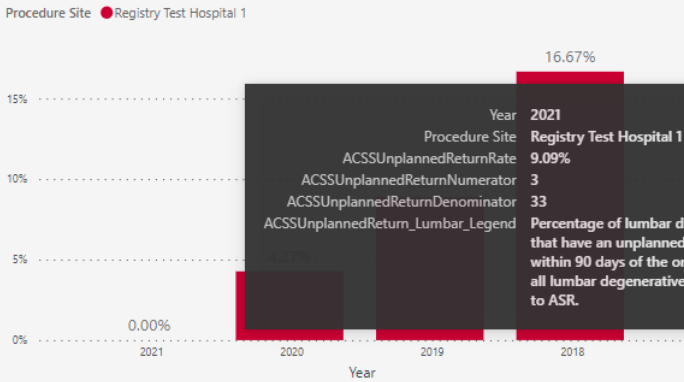
(8) Cervical New Neurological Deficits ⓘ



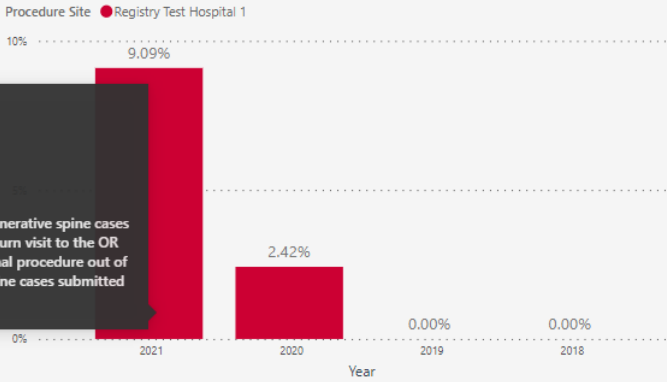
(9) Lumbar New Neurological Deficits ⓘ



(10) Cervical Unplanned Return Visit to the OR ⓘ



(11) Lumbar Unplanned Return Visit to the OR ⓘ



Year 2021
 Procedure Site Registry Test Hospital 1
 ACSSUnplannedReturnRate 9.09%
 ACSSUnplannedReturnNumerator 3
 ACSSUnplannedReturnDenominator 33
 ACSSUnplannedReturn_Lumbar_Legend
 Percentage of lumbar degenerative spine cases that have an unplanned return visit to the OR within 90 days of the original procedure out of all lumbar degenerative spine cases submitted to ASR.

Dashboards | Performance Metrics

Post-Discharge Complications

Complication Rates by diagnosis

Linked Revisions & Readmissions
by Complication Type

90-day SSI, Mortality, &
Readmission

Patient-Reported Outcome Measures (PROMs)

Completion of 90-day pre- and
post-op PROMs

Tracking linked pre-op, 90-day
post-op, and 1-year post-op
PROMs

American Spine Registry

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



American Spine Registry (ASR)

Achieving and Maintaining the Advanced Certification in Spine Surgery (ACSS) from The Joint Commission

Registry Participation Toolkit

Version 1.0; released May 2023

ABOUT THIS TOOLKIT

This toolkit provides details related to your registry participation for obtaining and maintaining your ACSS certification. This guide includes information related to measure definitions, details to aid in the data submission process to appropriately calculate measures in the registry to inform quality improvement at your site, and frequently asked questions to support ongoing data submission to the registry.

New TJC Resources

- TJC-Specific support line - **1-800-999-2939**
- Registry Participant Quick Reference Guide
 - Measure descriptions and data elements for calculations
 - Dashboard overview
- Registry Participation Toolkit
 - Measure & calculation details
 - Data submission guidance
 - Dashboard visual details
- [ASR TJC Web Page](#)
 - [FAQs](#)

Resources



Registry Participation Quick Reference Guide

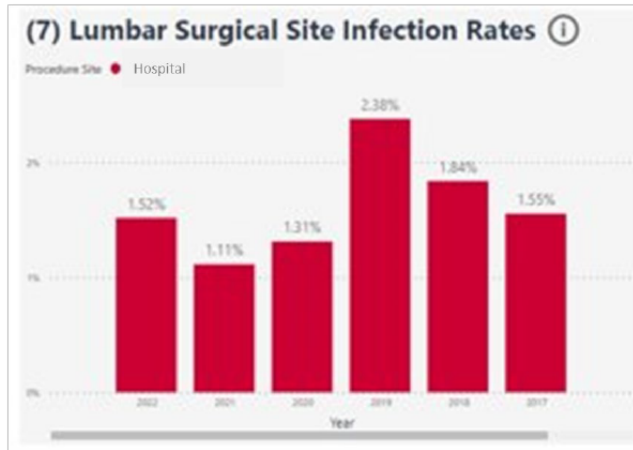
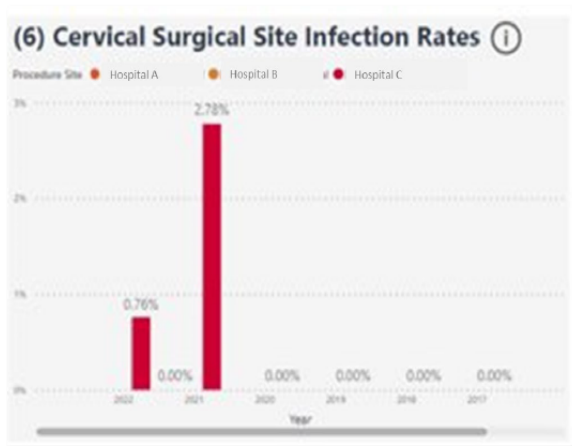
The Joint Commission ACSS Performance Measures

Measure	Description	Required Data Elements for Measure Calculation
Surgical Site Infection Rates ACSS-01 Cervical ACSS-05 Lumbar	Patients with a post-operative surgical site infection (SSI) identified within 90 days after the primary procedure	Numerator: Diagnosis coding (DX_1-DX_10) indicating SSI submitted as an inpatient readmission to ASR in the post-op file <i>For additional information on SSI per the criteria set forth by the CDC and the Surveillance for Surgical Site Infection (SSI) Event, please refer to this document: https://www.cdc.gov/nhsn/pdfs/pscmanual/9pscasicurrent.pdf</i> Denominator: All primary cervical or lumbar degenerative spine cases, ProcedureDate, Procedure Codes (PX_1-PX_10), Diagnosis Codes (DX_1-DX_10)
New Neurological Deficits ACSS-02 Cervical ACSS-06 Lumbar	Patients with new neurological deficits present within 90 days after the primary procedure	Numerator: Diagnosis coding (DX_1-DX_10) indicating new unexpected neurologic deficit with focus motor strength that is a 3/5 or worse submitted as an inpatient readmission to ASR in the post-op file Denominator: All primary cervical or lumbar degenerative spine cases, Procedure Codes (PX_1-PX_10), Diagnosis Codes (DX_1-DX_10), ProcedureDate
Unplanned Return Visit to the OR ACSS-03 Cervical ACSS-07 Lumbar	Patients who had an unplanned return to the OR within 90 days of the primary procedure	Numerator: Procedure coding (PX_1-PX_10) indicating unplanned return to OR submitted to ASR in the post-op file Denominator: All primary cervical or lumbar degenerative spine cases, ProcedureDate, Procedure Codes (PX_1-PX_10), Diagnosis Codes (DX_1-DX_10) Exclusions: Multi-stage procedures
Pre- and Post-Operative Patient Report Outcomes ACSS-04 Cervical ACSS-08 Lumbar	Patients who completed the general health and spine-specific functional status assessments: within 90 days prior to surgery and 30-150 days (3 months) post-operatively	Numerator: ProcedureDate, PROMS_Date, General Health Assessment, Functional Status Assessment <i>ASR accepts the following assessments: General Health: PROMIS-10, VR-12, PROMIS Physical Function, PROMIS-CAT, PROMIS-29, PROMIS Pain Interference, PROMIS Emotional Distress Depression, PROMIS Emotional Distress Anxiety, EQ-5D; Spine Specific: ODI, NDI, Numeric Rating Scale for back/leg and neck/arm</i> Denominator: All primary cervical or lumbar degenerative spine cases, Procedure Date, Procedure Codes (PX_1-PX_10), Diagnosis Codes (DX_1-DX_10)

3.3 Viewing ACSS Performance Measure Rates

The 8 ACSS measures are displayed separately for cervical and lumbar cases. An encounter date filter at the top of the dashboard allows sites to set the procedure date range to view monthly data. Hovering over any column within a tile will display the measure numerator, denominator, and performance rate for the selected time frame.

National comparison data is not currently available in these performance measure tiles. As ACSS measure data submitted to the registry grows, we will seek to establish a national registry benchmark.



ACSS-01 and ACSS-05 display the performance rates for patients undergoing a primary cervical or lumbar degenerative procedure with a post-operative surgical site infection (SSI) identified within 90 days after the primary procedure. These measures are calculated from the readmission diagnosis data submitted in the ASR PostOp file and linked to a previously submitted ACSS procedure case. Note that the SSI metric is an inverse measure, with lower rates indicating improved performance. So, if your site did not have a 90-day readmission with an applicable diagnosis during a set month/year period, a 0% performance rate will display.

Resources

Post-operative Readmissions Matching & PROMs Matching

The next step is to link the readmissions or PROMs to the index procedure. The table below lists the fields that are used to match postoperative readmissions and PROMs data. If the data in these fields are not consistent in the record submitted, the PROMs case will not be linked to the index procedure.

Post-operative Readmissions Matching	
ASR	<ul style="list-style-type: none">ModuleProcedureDate

PROMs Matching	
ASR	<ul style="list-style-type: none">ModuleProcedureDate

Section 2: Extracting Data from EHR Systems

This section is intended to help guide staff running a query and building a report to extract data from an EHR. For successful data submission to the registry, extraction from your clinical systems is necessary for consistent data submission which is an essential step in achieving and maintaining the ACSS Certification. The steps below provide a general overview for developing data extracts from EHR systems.

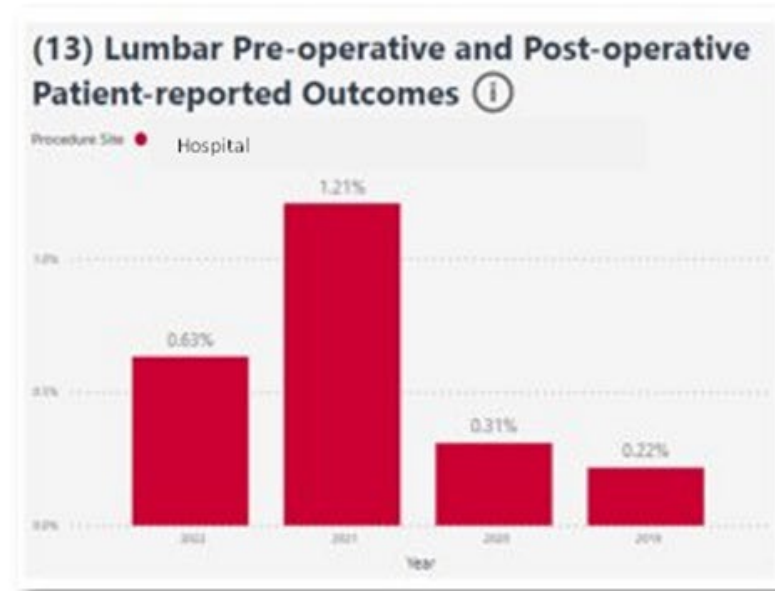
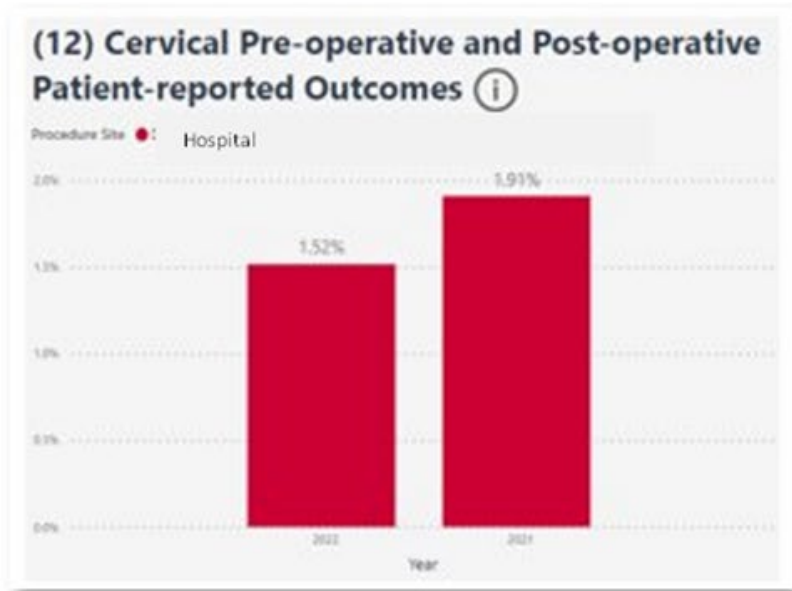
TJC Use Cases

Participant Concern:

PROMs competition rate is too low, or visuals are blank for ACSS-04 & ACSS-08

Reference:

- Toolkit sections 1.1 (measure table) and 1.4 (PROMs matching criteria)
- ACSS Quick Guide Measure Table for measure numerator data requirements



TJC Use Cases

Participant Concern:

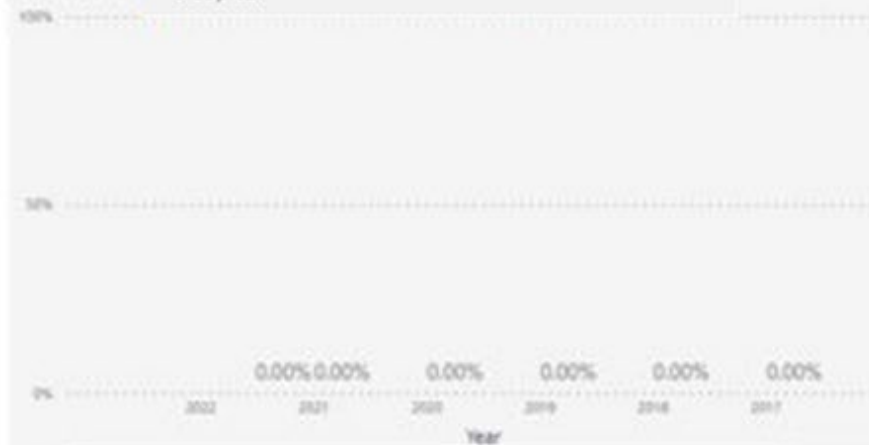
Why are my performance measure tiles blank?

ACSS Reference:

- Toolkit sections 1.2 & 1.3 highlighting data used for measure inclusion
- Section 1.4 – matching criteria to display data
- Section 3.3 – performance measure visual descriptions highlight *inverse measures*
- Step by step data validation in last question of FAQs

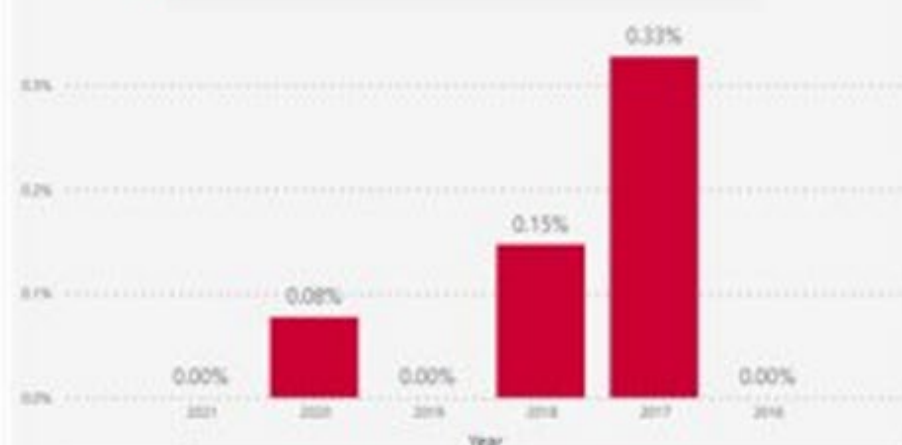
(10) Cervical Unplanned Return Visit to the OR ⓘ

Procedure Site: Hospital



(11) Lumbar Unplanned Return Visit to the OR ⓘ

Procedure Site: Hospital



TJC | AJRR Future State

Additional Projects for TJC Site Support

Exportable case-level reports
for internal analysis

User group sessions

American Spine Registry ™

A partnership between

American Association of Neurological Surgeons

American Academy of Orthopaedic Surgeons



Questions?

Info@AmericanSpineRegistry.org

www.americanspineregistry.org

Improving spine care through **data.**