AAOS
American Academy of Orthopaedic Surgeons

Registry Program
Improving Orthopaedic Care Through Data

Thank you for joining us today!

The IQR PRO-PM Office Hours will begin at:
1 PM ET, 12 PM CT, 11 AM MT, 10 AM PT

We look forward to your participation!

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Registry Program
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CMS Inpatient Quality Reporting (IQR) PRO Performance Measure

AJRR Office Hours

3.5.24

CMS IQR PRO-PM | Requirements

WHO?

Included

- Age 65 and older
- Enrolled in Medicare fee-for-service
- Primary elective THA/TKA reimbursed as INPATIENT

Excluded

- Medicare Advantage Patients
- Revisions/Removals/Mechanical Complications
- Partial/Hemi/Uni-compartmental
- Musculoskeletal Malignancy
- Fractures

CMS IQR PRO-PM | Requirements

WHAT?

The listed elements need to be completed for a **minimum of 50%** of eligible patients.

Data Element Type	Preoperative Data Elements	Postoperative Data Elements
Patient-Reported Outcome Measures (PROMs)	THA patients: HOOS, JR TKA patients: KOOS, JR	THA patients: HOOS, JR TKA patients: KOOS, JR
Patient- or Provider-Reported Risk Variables	Mental Health Subscale items from either PROMIS-Global or VR-12	N/A
	Health Literacy (SILS2)	
	BMI or Height/Weight	
	Use of Chronic Narcotics	
	Total Painful Joint Count: Patient-Reported Pain in Non-Operative Lower Extremity Joint	
	Quantified Spinal Pain: Patient-Reported Back Pain, Oswestry Index Question	
Matching Variables	Medicare Provider Number	Medicare Provider Number
	MBI	MBI
	Date of Birth	Date of Birth
	Date of Procedure	Date of Procedure
	Procedure Type	Procedure Type
	Date of Admission	Date of Admission
PROM-related Variables	Date of PRO Data Collection	Date of PRO Data Collection
	Mode of Collection	Mode of Collection
	Person Completing the Survey	Person Completing the Survey
	Generic PROM Version	N/A

BMI: Body Mass Index; HOOS, JR: Hip dysfunction and Osteoarthritis Outcome Score for Joint Replacement; KOOS, JR: Knee injury and Osteoarthritis Outcome Score for Joint Replacement; PROMIS-Global: Patient-Reported Outcomes Measurement Information System; SILS2: Single Item Literacy Screener; VR-12: Veterans Rand-12; MBI: Medicare Beneficiary Identifier; PROM: Patient-reported Outcome Measure

CMS IQR PRO-PM | Requirements

Pre-op Patient- or Provider-Reported Risk Variables

- PROMIS-10 Global **OR** VR-12
- At the moment, what is your back pain?
  - 0 = None, 1 = Very Mild, 2 = Moderate, 3 = Fairly Severe, 4 = Very Severe, 5 = Worst Imaginable
- How comfortable are you filling out medical forms by yourself? (Single Item Literary Screening (SILS)-2)
  - 0 = Not at all, 1 = A little bit, 2 = Somewhat, 3 = Quite a bit, 4 = Extremely
- What amount of pain have you experienced in the last week in your other knee/hip?
  - 0 = None, 1 = Mild, 2 = Moderate, 3 = Severe, 4 = Extreme

Pre- and Post-Operative Functional Status Assessments

- Knee PROM – KOOS Jr.
- Hip PROM – HOOS Jr.

CMS IQR PRO-PM | Requirements

WHEN?

INPATIENT THA/TKA PRO-PM PERFORMANCE YEAR 1 COVERING PROCEDURES JULY 1, 2024 – JUNE 30, 2025				
Pre-Op Collection	**Pre-Op Submission Deadline**	**Post-Op Colleciton**	**Post-Op Submission Deadline**	**CMS Public Reporting**
*0-90 Days before procedure		*300-425 days after procedure		
April 2, 2024 – June 30, 2025	September 30, 2025	April 27, 2025 – August 29, 2026	September 20, 2026	2027

CMS IQR PRO-PM | Scoring

HOW?

How will hospitals be scored?

CMS will publicly report the percentage of patients who achieve a substantial clinical benefit (SCB).

Substantial Clinical Benefit Threshold	
HOOS, JR. - 22 points	**KOOS, JR. – 20 points**

CMS will factor in all the risk variable data you submitted, as well as your claims data, to create your final "risk-standardized improvement rate" (RSIR).

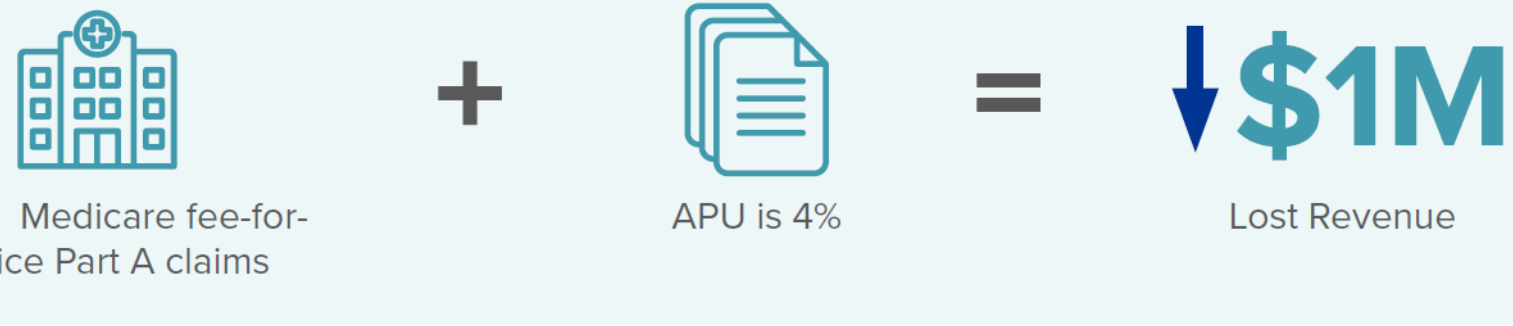
For example, you achieve a 60% RSIR, that means that, in general, 60% of your patients reported a substantial improvement after their THA/TKA procedure

CMS IQR PRO-PM | Financial Implications

What is the financial penalty for not reporting a complete data set for 50% of all eligible patients?

CMS will reduce 25% of the Annual Payment Update (usually 2-4%) for **ALL** the hospital's Medicare Fee-for-Service Part A claims, including non-orthopaedic claims

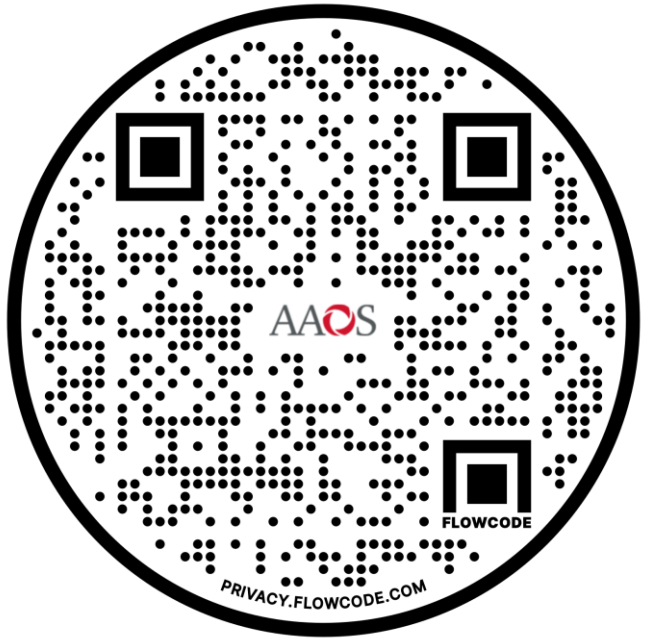
FOR EXAMPLE:



CMS IQR PRO-PM | AJRR Support

AAOS PROMs In Practice Workgroup PRO-PM FAQ

Answers to the Who, What, When, & Why?



How AJRR is Supporting Hospitals Required to Report:

- 3 new data elements
- IQR PROMs Extractable Performance Report in RI
- Additional PRO assessment Question*

**Part of later March release*

CMS IQR PRO-PM | New Elements

2 New Procedure Elements

- **Medicare_HIC_Number** – 11-digit Alphanumeric ID – procedure file submission
- **Chronic_Narcotics_Use_>90** – 0 = No, 1 = Yes (use of narcotics for ≥90 days prior to surgery)
  - Procedure file submission

1 New PROMs Data Element

- **Person_Survey_Status** – 0 = Self, 1 = Surrogate
  - PROMs file submission

    OR
  - Part of assessments questions if utilizing the registry PRO Tool*

**Later March Release*

CMS IQR PRO-PM | Spec Changes

2 New Procedure Layout Data Elements

212	211	HC	Perioperative_Antibiotics	Optional Data	1-3 (1=Yes, 2=No, 3=Not reported or NR)	09.17.2020 Added element
213	212	HD	Pain_Management	Optional Data	1-3 (1=Yes, 2=No, 3=Not reported or NR)	09.17.2020 Added element
214	212	HE	Medicare_HIC_Number	Optional Data	10 or 11 digit alphanumeric account number (e.g., 123456789A); Not Reported or NR	01.08.2024 Added element; **Required for IQR PRO-PM**
215	213	HF	Chronic_Narcotics_Use_>90	Optional Data	0-1 (0 = No, 1 = Yes); Not Reported or NR	01.08.2024 Added element; **Required for IQR PRO-PM**
216						

Info | Change Control | Inclusion Guide | Procedure Layout | PostOp Layout | PROMs Layout | ICD10-PCS Codes | ICD9-PCS Codes | CPT Codes | Procedure Header | PostOp Header | PROMs Head

1 New PROMs Layout Data Element

					9=Sometimes participate in IMPACT SPORTS; 10=Regularly participate in IMPACT SPORTS such as jogging, tennis, skiing, acrobatics, ballet, heavy labor, or backpacking); Not reported or NR	
257	256	IV	Person_Survey_Status	Optional Data	0-1 (0 = Self, 1 = Surrogate); Not Reported or NR	Uses: **IQR PRO-PM**; 01.08.2024 Added element
258						

Info | Change Control | Inclusion Guide | Procedure Layout | PostOp Layout | PROMs Layout | ICD10-PCS Codes | ICD9-PCS Codes | CPT Codes | Procedure Header | PostOp Header

The 2024v1 Specifications & Dictionary are available in RI Tools & Resources

Other measure elements will be noted with a *Required for IQR PRO-PM in the data specifications & dictionary

Risk Variables | AJRR Capture

Low Back Pain, **Health Literacy**, & **Total Painful Joint Count** Via

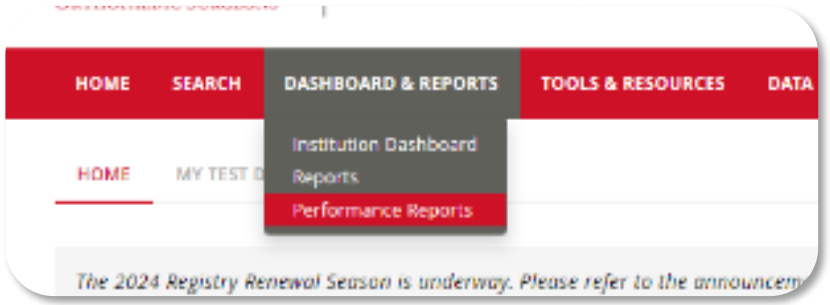
- Submitted via AJRR Procedure & PROMs file layouts submitted by a hospital or an authorized 3rd party vendor

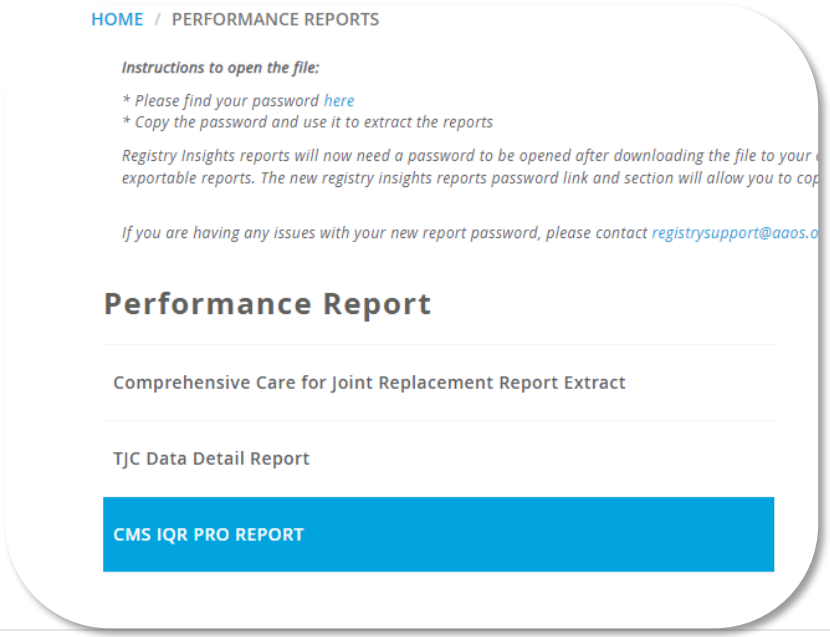
OR

- Via the RegistryInsights PRO Tool
  - Make sure the "CMS Risk Assessment" is listed as a pre-op assessment in your PRO profile
  - To update a PRO Profile, please reach out to our support team
- **BMI** is calculated from Height & Weight data elements submitted with the procedure file
- **Chronic Narcotics Use** is a new element in the 2024v1 procedure file

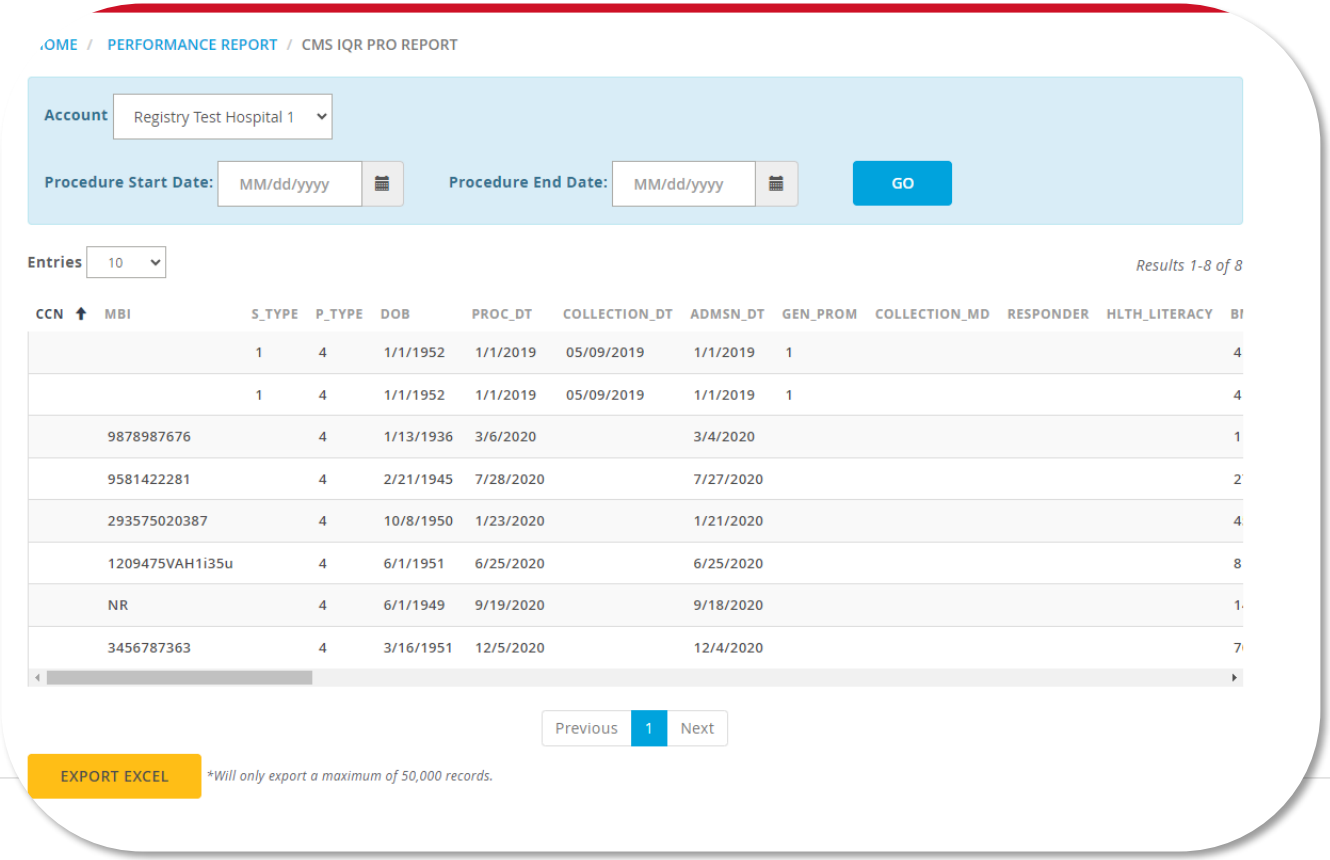
PROMS_CJRSILS2	Single Item Health Literacy Screening (SILS2) questionnaire	# (0 = Not at all; 1 = A little bit; 2 = Somewhat; 3 = Quite a bit; 4 = Extremely); Not reported or NR
PROMs_CJRPatRepPain	Patient-Reported Pain in Non-operative Lower Extremity Joint	# (0 = None; 1 = Mild; 2 = Moderate; 3 = Severe; 4 = Extreme); Not reported or NR
PROMs_CJRBackPain	Patient-Reported Back Pain (Oswestry Index Question)	# (0 = None; 1 = Very Mild; 2 = Moderate 3 = Fairly Severe; 4 = Very Severe; 5 = Worst Imaginable); Not reported or NR

CMS IQR PRO-PM | AJRR Report





The IQR PROMs Performance Report allows sites to track their PROMs completion and scores for the 65+ primary total hip and knee cases and uses the CMS-required format for submission



CMS IQR PRO-PM | Reporting Process

Site Elects to Report

- BAA for new participants & Separate CMS Data Share Agreement for new and established sites
- Registry team provides IQR PRO-PM fact sheet (website)

Data Submission

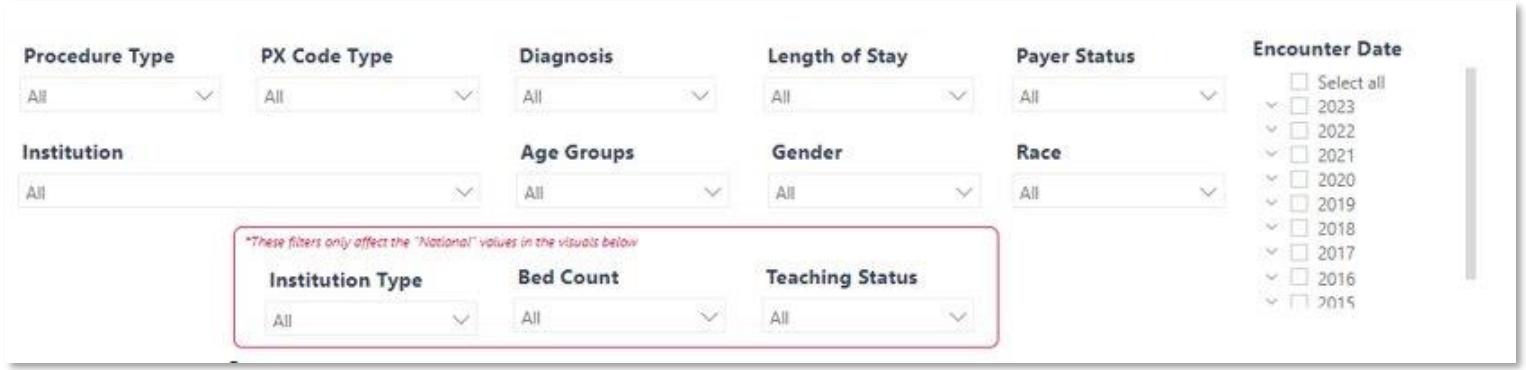
- **Website** & Data Specifations provide site **required data elements for submission and how to review** dashboard-available extract
- Site submits data quarterly at minimum
- Site reviews dashboard to track PROMs in RegistryInsights

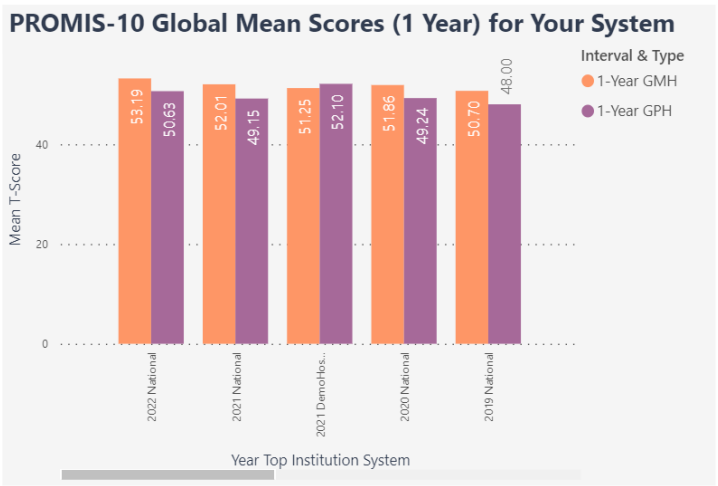
Reporting

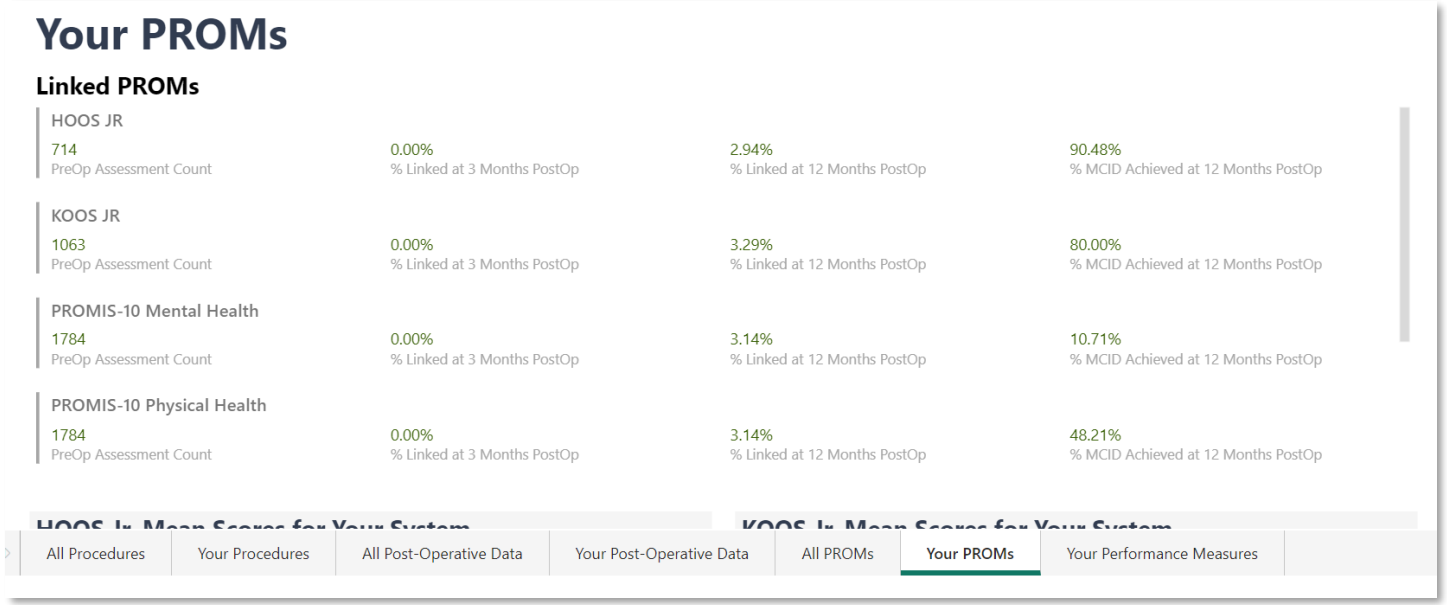
- Two Options:
- **Site downloads extract and submits to CMS in excel format**
- **AAOS submits excel file to CMS through IQR portal once site approves extract**

RegistryInsights® | PROMs

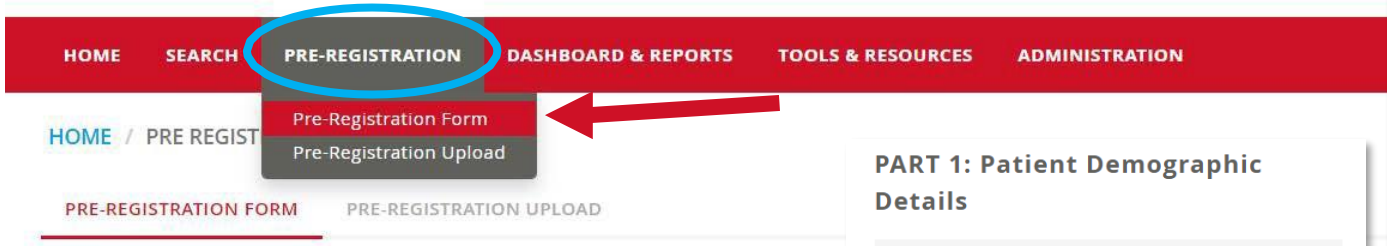
- Collection & Maintenance of PROs
- Track PROMs Completion Rate and Outcomes Over Time with National Outcomes Comparison



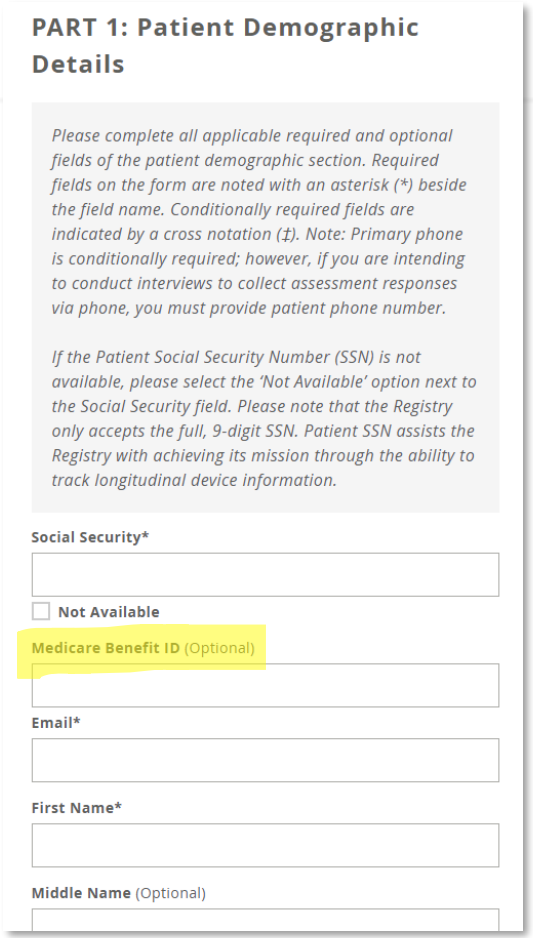


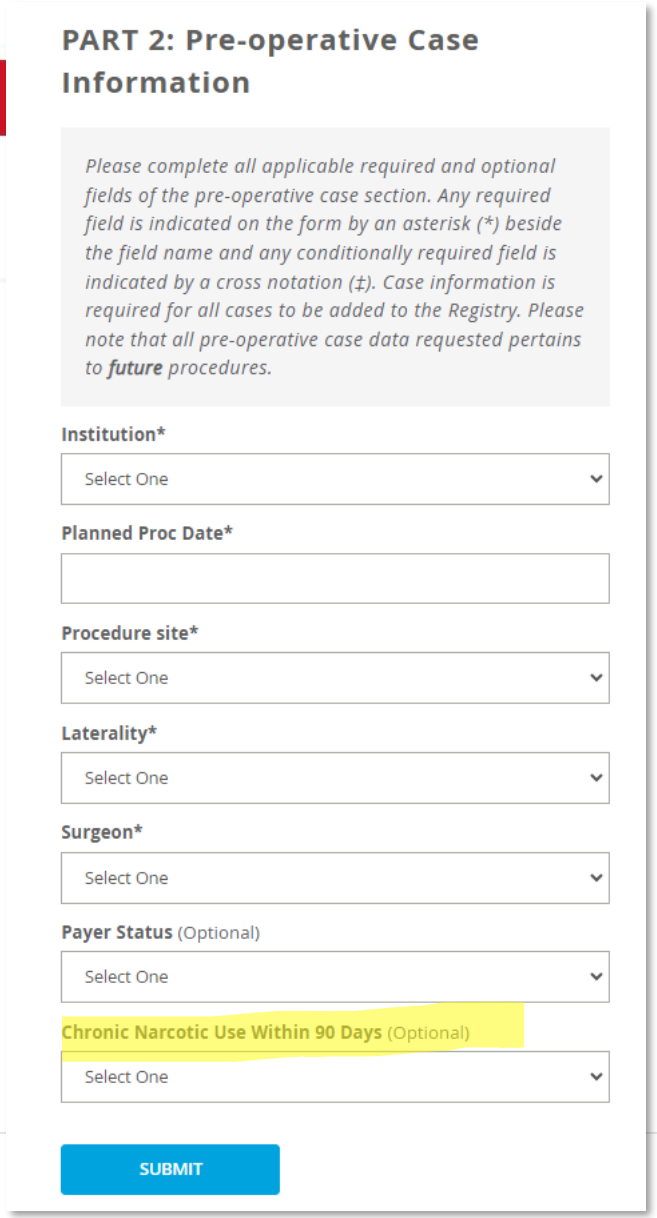


RegistryInsights | PROMs

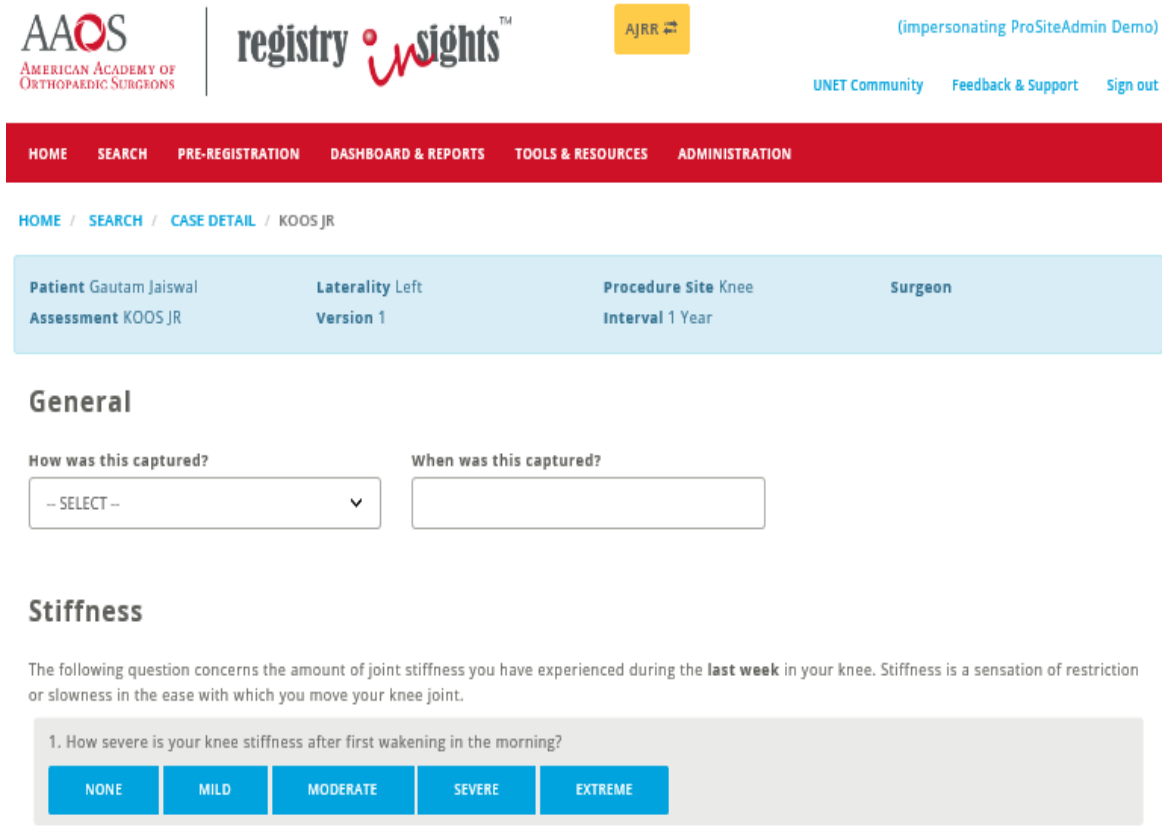


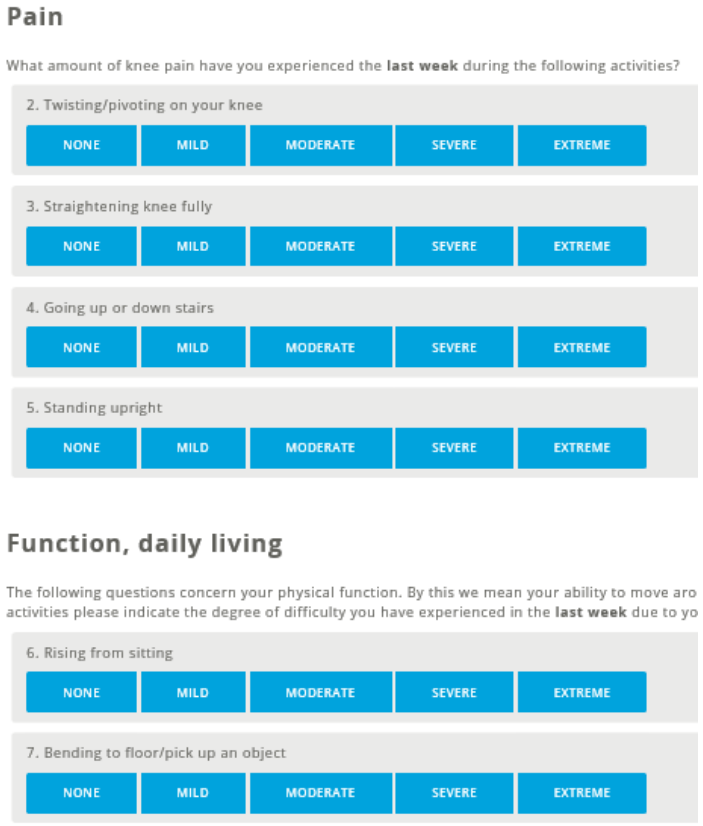
- Patients can be registered individually or via a bulk pre-registration file upload
- Once registered, PROMs can be collected two ways into the platform:
  - Patient accesses PROM assessments via the RegistryInsights kiosk mode
  - Manual entry





Access to PRO Instruments





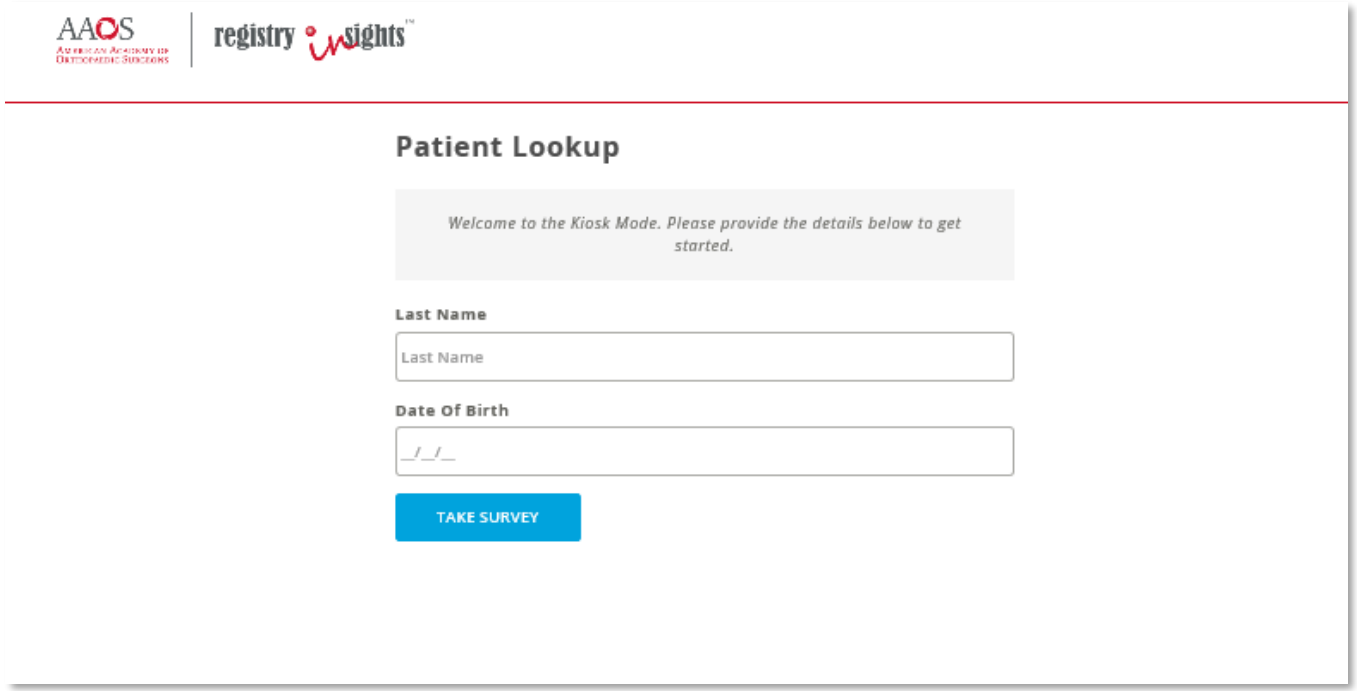
Access to PRO Instruments | Emails & Kiosk Mode

Institutions can setup automatic generation of a link to be emailed by the Registry Platform to patients for PROM collection

This link takes them directly to the survey for completion and automatic upload to the registry

OR

The Kiosk Mode can be pulled up during a clinic or joints class pre-op visit for completion on computer or tablet



Dashboard and Reports

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)
- Procedures Submitted to Shoulder Arthroplasty (ICD-10)
- Procedures Submitted to Rotator Cuff (ICD-10)
- Count of Procedures By Surgeon

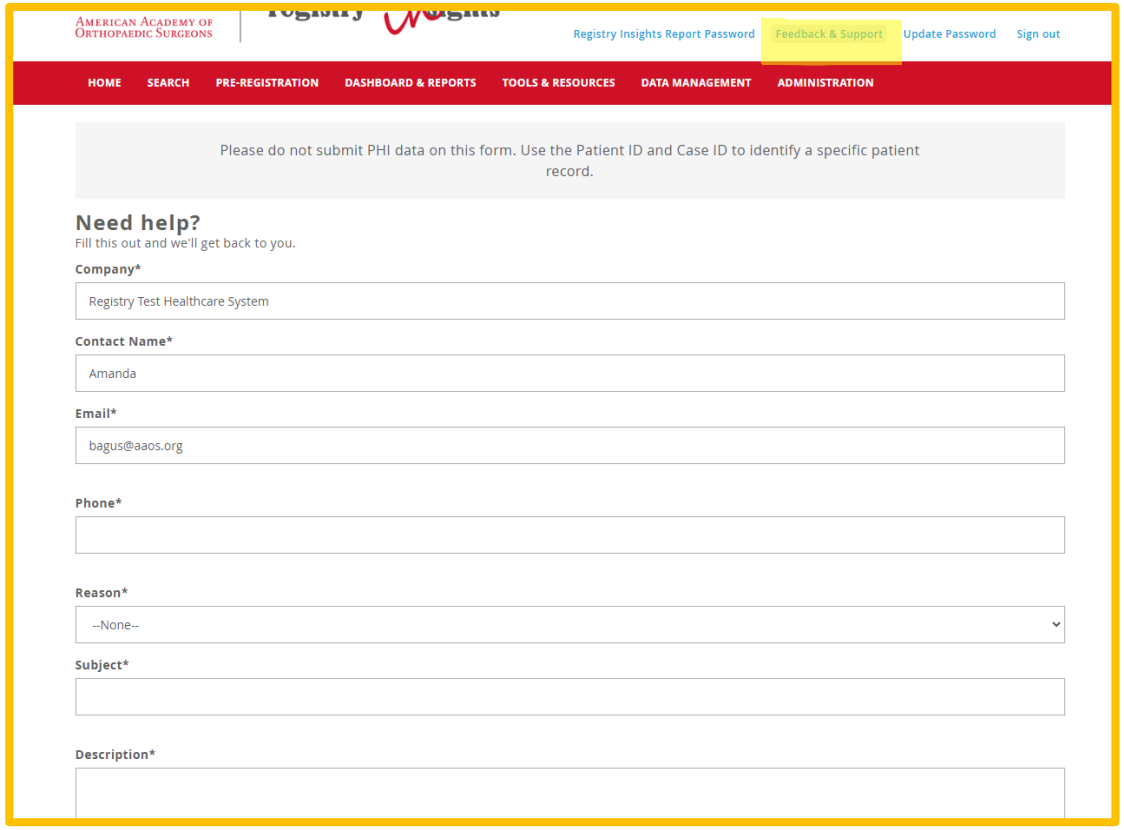
Patient Reported Outcomes Reports

- Assessment Summary
- Patient Status Report
- All Patients Due For Survey Report
- Patient Compliance Report
- Assessment Overview

Contact the AAOS Registry Program

Technical Support: Please submit a help ticket to our Feedback & Support link on the RegistryInsights platform

Contracts, Invoicing, & Onboarding:

RegistryEngagement@aaos.org

Business Hours: Monday through Friday, 8 a.m. to 4 p.m. Central Time