

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!

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



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	
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.](#)



WHAT?

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 Collection	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 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:



\$100M Medicare fee-for-service Part A claims

+



APU is 4%

=

↓ \$1M

Lost Revenue

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						

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						

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

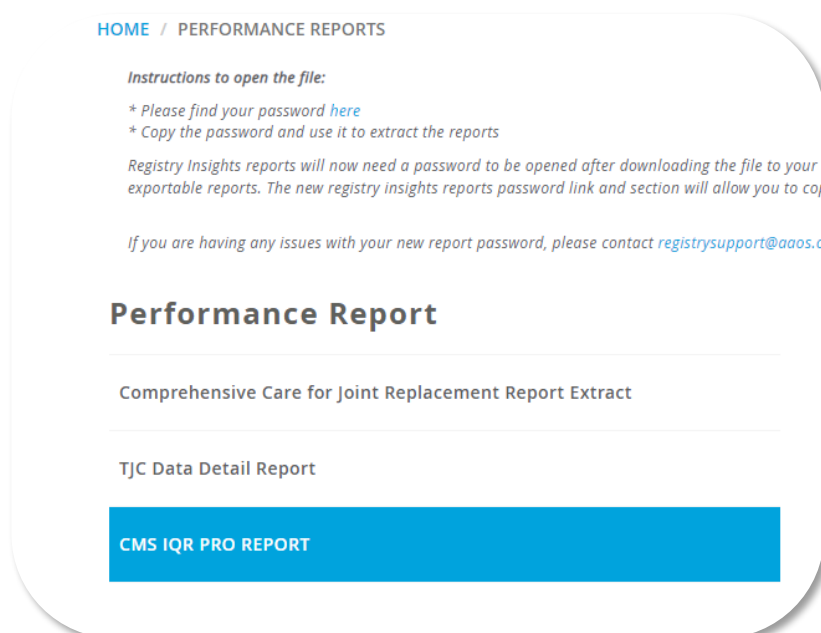
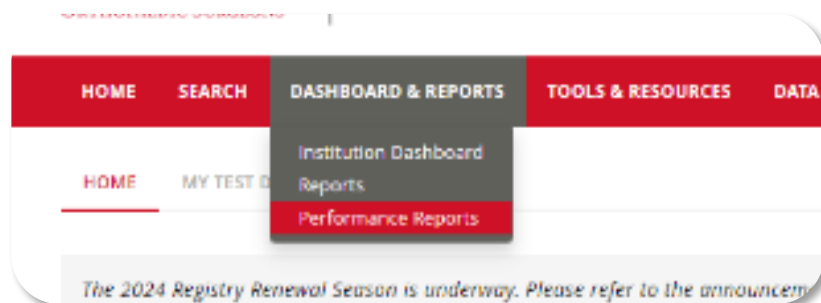
- Submitted via AJRR Procedure & PROMs file layouts submitted by a hospital or an authorized 3rd party vendor

OR

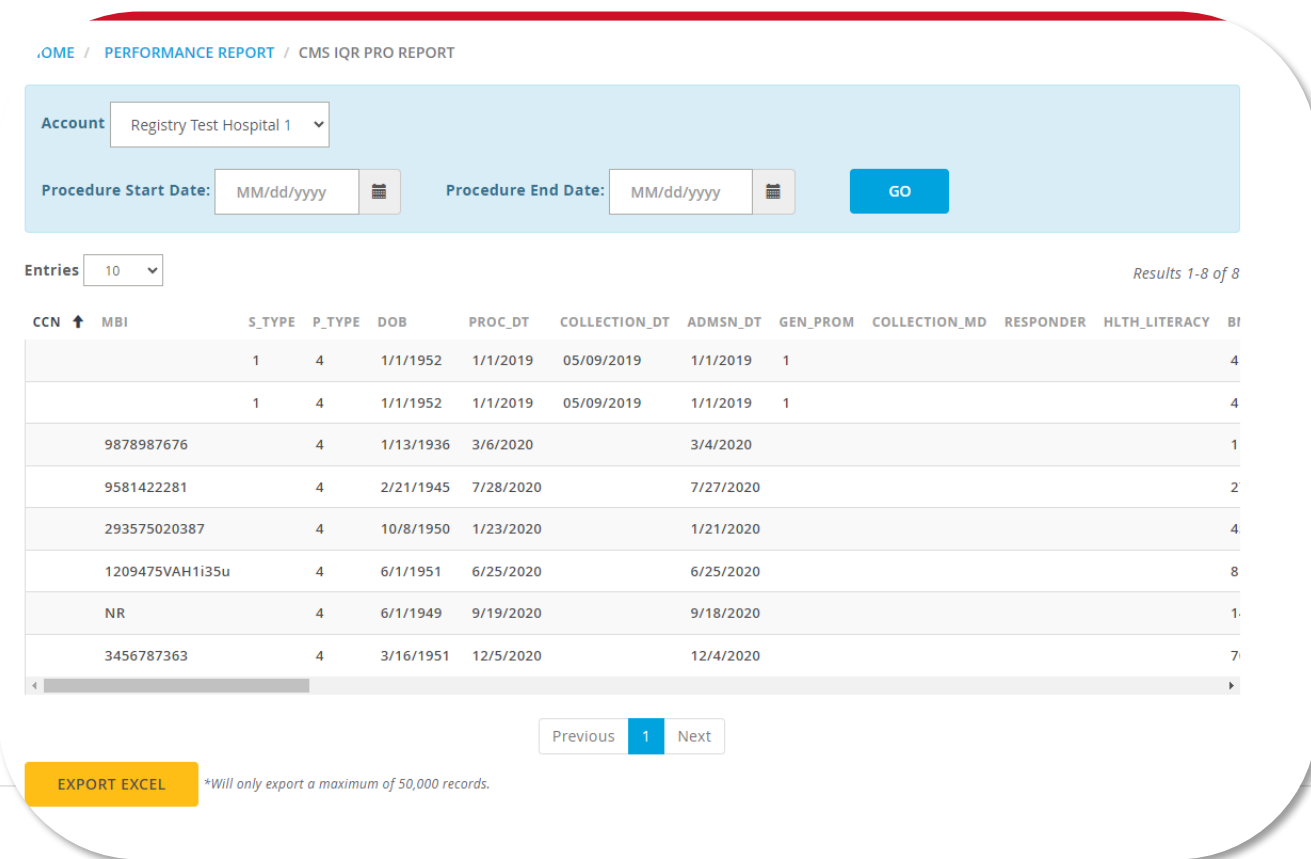
- Via the RegistryInsights PRO Tool
 - Make sure the “CMS Risk Assessment” is listed as a pre-op assessment in your PRO profile
 - To update a PRO Profile, please reach out to our support team
- BMI** is calculated from Height & Weight data elements submitted with the procedure file
- Chronic Narcotics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

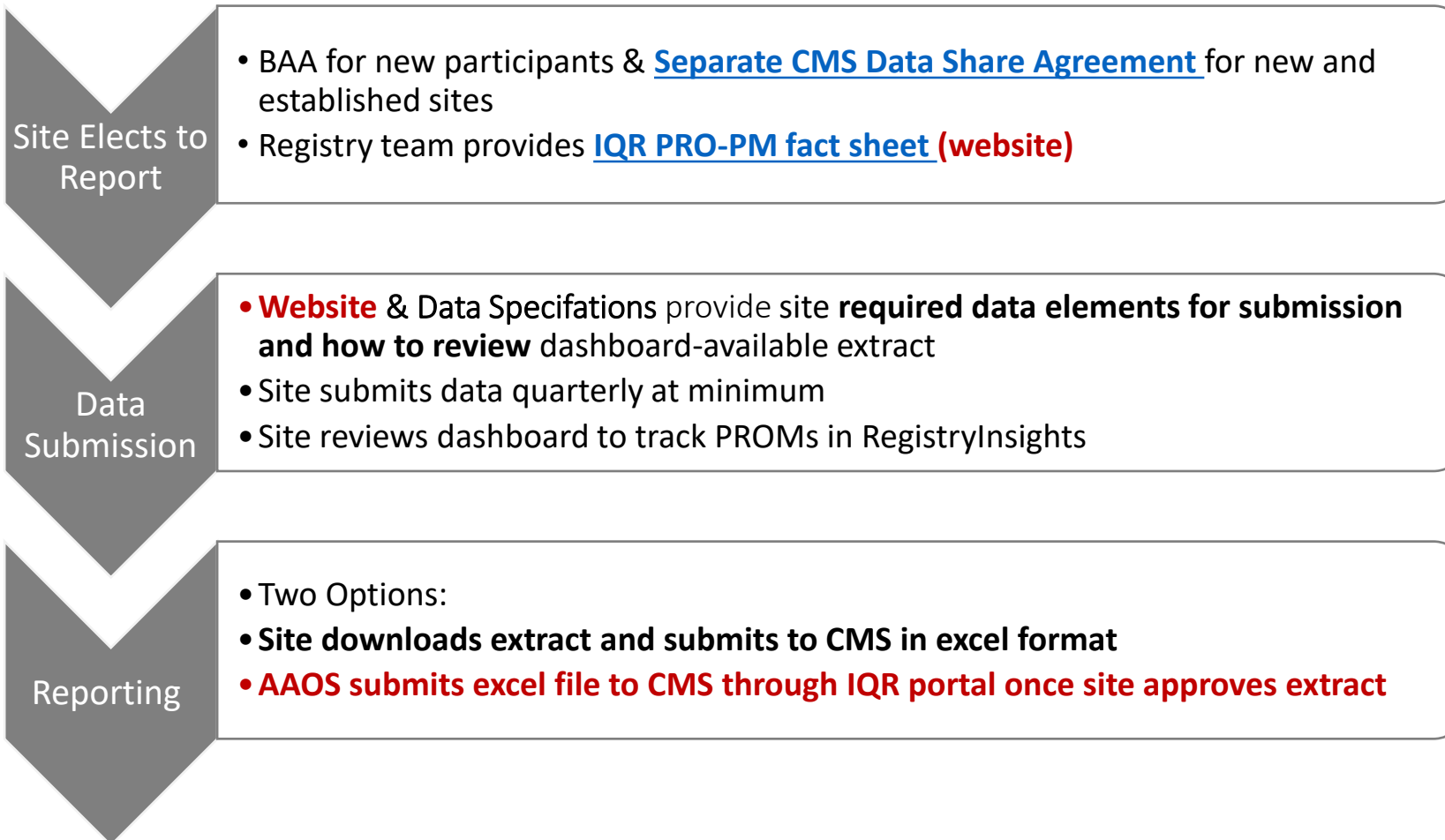
CMS IQR PRO-PM | AJRR Report



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



RegistryInsights® | PROMs

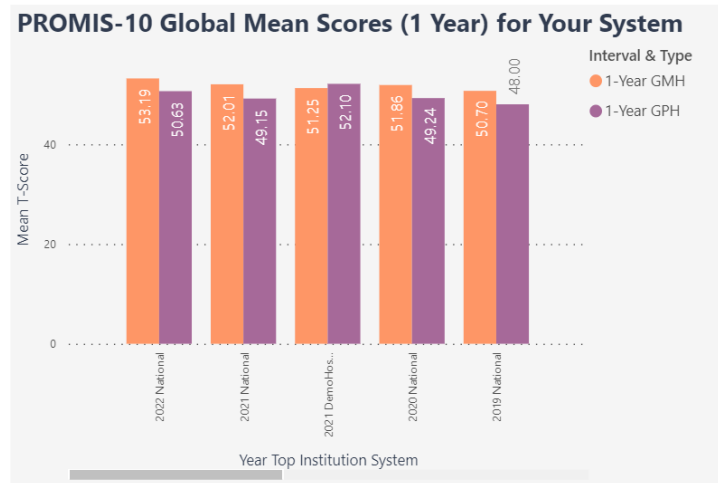
- Collection & Maintenance of PROs
- Track PROMs Completion Rate and Outcomes Over Time with National Outcomes Comparison

Procedure Type: All | PX Code Type: All | Diagnosis: All | Length of Stay: All | Payer Status: All | Encounter Date: Select all, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015

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

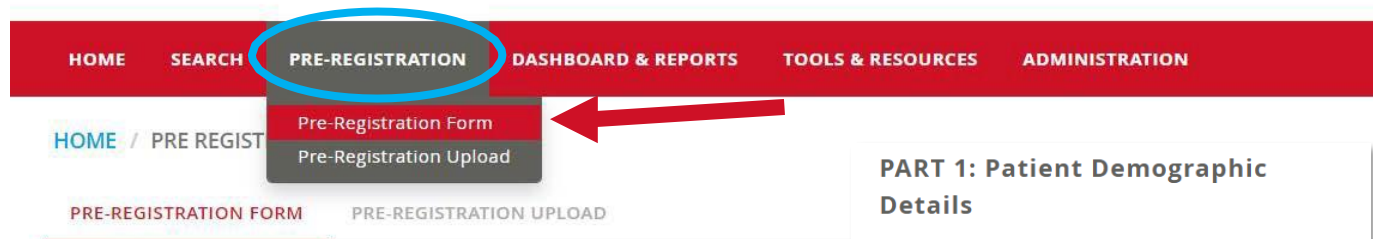
Linked PROMs

HOOS JR 714 PreOp Assessment Count	0.00% % Linked at 3 Months PostOp	2.94% % Linked at 12 Months PostOp	90.48% % MCID Achieved at 12 Months PostOp
KOOS JR 1063 PreOp Assessment Count	0.00% % Linked at 3 Months PostOp	3.29% % Linked at 12 Months PostOp	80.00% % MCID Achieved at 12 Months PostOp
PROMIS-10 Mental Health 1784 PreOp Assessment Count	0.00% % Linked at 3 Months PostOp	3.14% % Linked at 12 Months PostOp	10.71% % MCID Achieved at 12 Months PostOp
PROMIS-10 Physical Health 1784 PreOp Assessment Count	0.00% % Linked at 3 Months PostOp	3.14% % Linked at 12 Months PostOp	48.21% % MCID Achieved at 12 Months PostOp

HOOS Jr Mean Score for Your System

All Procedures | Your Procedures | All Post-Operative Data | Your Post-Operative Data | All PROMs | **Your PROMs** | Your Performance Measures

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

PART 1: Patient Demographic Details

Please complete all applicable required and optional fields of the patient demographic section. Required fields on the form are noted with an asterisk (*) beside the field name. Conditionally required fields are indicated by a cross notation (‡). Note: Primary phone is conditionally required; however, if you are intending to conduct interviews to collect assessment responses via phone, you must provide patient phone number.

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 only accepts the full, 9-digit SSN. Patient SSN assists the Registry with achieving its mission through the ability to track longitudinal device information.

Social Security*

Not Available

Medicare Benefit ID (Optional)

Email*

First Name*

Middle Name (Optional)

PART 2: Pre-operative Case Information

Please complete all applicable required and optional fields of the pre-operative case section. Any required field is indicated on the form by an asterisk (*) beside the field name and any conditionally required field is indicated by a cross notation (‡). Case information is required for all cases to be added to the Registry. Please note that all pre-operative case data requested pertains to **future** procedures.

Institution*

Planned Proc Date*

Procedure site*

Laterality*

Surgeon*

Payer Status (Optional)

Chronic Narcotic Use Within 90 Days (Optional)

SUBMIT

Access to PRO Instruments



AJRR ↔

(impersonating ProSiteAdmin Demo)

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- DASHBOARD & REPORTS
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Patient Gautam Jaiswal	Laterality Left	Procedure Site Knee	Surgeon
Assessment KOOS JR	Version 1	Interval 1 Year	

General

How was this captured?

When was this captured?

Stiffness

The following question concerns the amount of joint stiffness you have experienced during the **last week** in your knee. Stiffness is a sensation of restriction or slowness in the ease with which you move your knee joint.

1. How severe is your knee stiffness after first wakening in the morning?

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

Pain

What amount of knee pain have you experienced the **last week** during the following activities?

2. Twisting/pivoting on your knee

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

3. Straightening knee fully

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

4. Going up or down stairs

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

5. Standing upright

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

Function, daily living

The following questions concern your physical function. By this we mean your ability to move and activities please indicate the degree of difficulty you have experienced in the **last week** due to yo

6. Rising from sitting

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

7. Bending to floor/pick up an object

NONE	MILD	MODERATE	SEVERE	EXTREME
------	------	----------	--------	---------

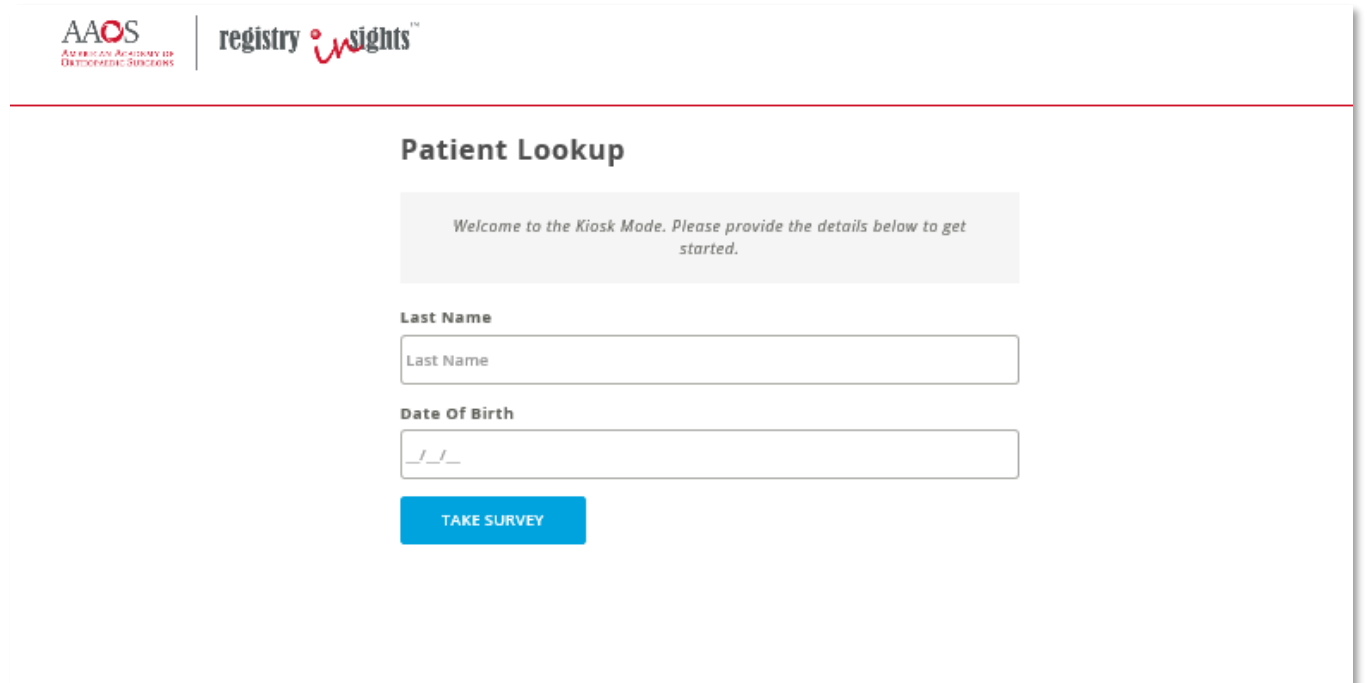
Access to PRO Instruments | Emails & Kiosk Mode

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



The screenshot shows the 'Patient Lookup' interface for the AAOS Registry Insights. At the top, the AAOS logo (American Academy of Orthopaedic Surgeons) and the 'registry insights' logo are displayed. Below the logos, the title 'Patient Lookup' is centered. A light gray box contains the text: 'Welcome to the Kiosk Mode. Please provide the details below to get started.' Below this, there are two input fields: 'Last Name' and 'Date Of Birth'. The 'Last Name' field has a placeholder 'Last Name'. The 'Date Of Birth' field has a placeholder '___/___/___'. At the bottom of the form is a blue button labeled 'TAKE SURVEY'.

Dashboard and Reports

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)

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

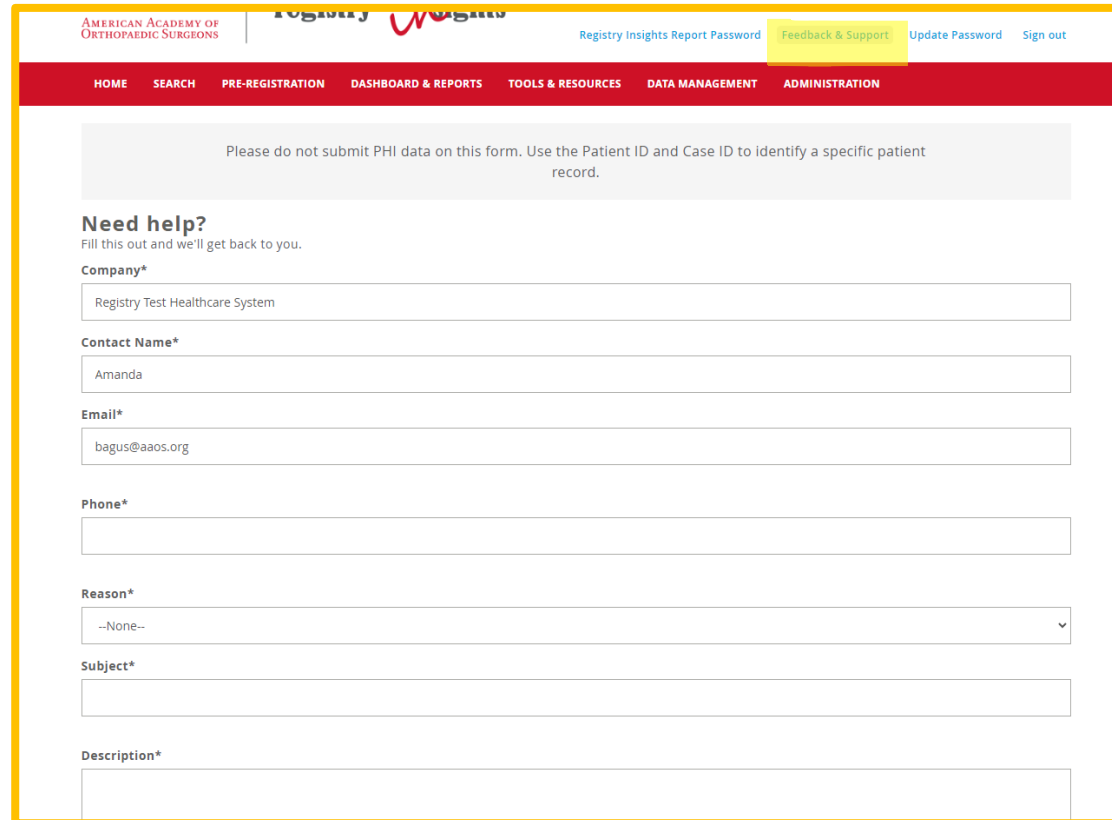
Contact the AAOS Registry Program

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



The screenshot shows the 'Feedback & Support' form on the AAOS Registry Insights platform. The form is titled 'Need help?' and includes a warning: 'Please do not submit PHI data on this form. Use the Patient ID and Case ID to identify a specific patient record.' The form fields are: Company* (Registry Test Healthcare System), Contact Name* (Amanda), Email* (bagus@aaos.org), Phone* (empty), Reason* (dropdown menu with '--None--' selected), Subject* (empty), and Description* (empty). The form is framed by a yellow border.