

# SRO Intelligence

Complete Product Roadmap: CMS TEAM Compliance, PRO-PM, Prehabilitation & RPM Billing

## Executive Summary

SRO Intelligence will evolve from a post-surgical recovery monitoring tool into a **comprehensive joint replacement care coordination platform** addressing CMS TEAM Model compliance (mandatory January 2026), THA/TKA PRO-PM reporting requirements, pre-surgical optimization (prehabilitation), remote patient monitoring with CPT billing, and predictive outcome visualization for shared decision-making.

## Part 1: CMS TEAM Model Requirements

The **Transforming Episode Accountability Model (TEAM)** is a mandatory bundled payment program running January 1, 2026 through December 31, 2030. It holds hospitals accountable for quality and cost of surgical episodes.

Requirement	Details
Episode Duration	Surgery through 30 days post-discharge
Quality Measures	THA/TKA PRO-PM, Readmission rates, PSI-90
Performance Tracks	Track 1 (year 1, no risk) → Track 3 (years 2-5, full risk)
Key Metric	Proportion achieving Substantial Clinical Benefit (SCB)

## Part 2: PRO-PM Requirements

### Required Assessments for CMS Compliance:

Assessment	When	Purpose
KOOS Jr. (Knee) - 7 questions	Pre-op & 1-year post-op	Joint-specific function
HOOS Jr. (Hip) - 6 questions	Pre-op & 1-year post-op	Joint-specific function
PROMIS Global-10	Pre-op & 1-year post-op	General health status
Risk Variables (BMI, back pain, literacy, etc.)	Pre-op only	Risk adjustment

### Substantial Clinical Benefit (SCB) Thresholds:

Procedure	Instrument	Minimum Improvement
Total Knee (TKA)	KOOS Jr.	≥20 points
Total Hip (THA)	HOOS Jr.	≥22 points

## Part 3: Feature Roadmap

### Phase 1: Foundation (Current + 2 weeks)

- Daily check-in app ✓ Built
- Clinician dashboard ✓ Built
- Backend API & Database ✓ Built
- Patient onboarding flow — Build now
- SMS reminders (Twilio) — Build now
- Real login/authentication — Build now

### Phase 2: PRO-PM Compliance (4-6 weeks)

- KOOS Jr. Assessment (7 questions, validated)
- HOOS Jr. Assessment (6 questions, validated)
- PROMIS Global-10 (10 questions)
- Risk Variable Collection (BMI, back pain, literacy, joint count)
- Pre-op/Post-op Timing Engine (ensure correct windows)
- CMS Data Export (HQR portal format)
- 1-Year Follow-up Automation (300-425 day surveys)

### Phase 3: Decision Support Infographic (2-3 weeks)

- Pre-op Score Display — Visual of current KOOS/HOOS score
- Predicted Post-op Score — Based on historical data + risk factors
- Delta Visualization — Show expected improvement
- SCB Probability — "85% of similar patients achieve substantial improvement"
- Risk Factor Impact — How BMI, diabetes affect outcomes
- PDF Export — Patient takes home infographic

### Phase 4: Prehabilitation Module (PSH)

#### Pre-Surgery Optimization Checklist:

Category	Goal
Cardiac	EKG, cardiology clearance if needed
Diabetes	HbA1c <8% (ideally <7%)
Anemia	Hemoglobin >10 before surgery
Nutrition	Protein optimization, albumin check
Smoking	Cessation 4+ weeks pre-op
Sleep Apnea	STOP-BANG screening, CPAP if positive
Dental	Clearance to reduce infection risk
Mental Health	PHQ-9, anxiety screening
Physical Function	Baseline ROM, prehab exercises

## Part 5: Remote Patient Monitoring (RPM) & Billing

Generate revenue from home monitoring while improving outcomes. RPM is billable for acute post-surgical recovery.

CPT Code	Description	2025 Rate	Frequency
99453	Device setup & patient education	~\$19	Once per episode
99454	Device supply, daily transmission	~\$49	Monthly (16+ days)
99457	RPM management (first 20 min)	~\$49	Monthly
99458	Additional 20-min increments	~\$39	Monthly (add-on)

**Monthly Revenue Potential per Patient:** \$98-137

**For 30-day post-op period:** ~\$100-140 per patient

### What Counts as "Device" for RPM:

- App-based ROM measurement (gyroscope) ✓
- Connected blood pressure cuff ✓
- Smart scale (weight) ✓
- Wearable activity tracker ✓
- Pulse oximeter ✓

## Part 6: Revenue Impact Analysis

Revenue/Savings Source	Per Patient	Annual (500 TJA)
RPM billing (30 days)	\$100-140	\$50,000-70,000
Avoided readmission (2% reduction)	\$15,000	\$150,000
TEAM reconciliation bonus	\$500-1,000	\$250,000-500,000
Avoided CMS penalty	-	\$50,000-100,000
<b>TOTAL ANNUAL IMPACT</b>		<b>\$500,000-820,000</b>

**Investment Required:** ~\$8,000-17,000/year (HIPAA hosting + SMS)

**ROI:** 30-50x return on investment

## Part 7: Implementation Timeline

Quarter	Focus	Key Deliverables
2026 Q1	Foundation	Patient onboarding, SMS, KOOS/HOOS/PROMIS, pilot testing
2026 Q2	PRO-PM Compliance	1-year follow-up automation, CMS export, decision infographic
2026 Q3	Prehabilitation	Pre-op checklist, prehab exercises, surgery readiness score
2026 Q4	RPM & Billing	Device integration, time tracking, billing reports
2027	Advanced	Wearable integration, EMR integration, registry submissions

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