# AGENDA

## What We'll Review:

- Background: Fracture & Trauma Registry

- FTR Powered by PatientIQ

- Customer Success Story: St. Luke's

- Getting Started

- Q&A

# AGENDA

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AAOS

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PatientIQ

# Background: Fracture & Trauma Registry

# Fracture & Trauma Registry

- Launched in 2022 with support from the Orthopaedic Trauma Association (OTA)

- Fifth and newest in a series of anatomical, evidence-based registries that are part of the AAOS Registry Program

- Collects data on five of the more common fractures in the United States:
  - Ankle
  - Distal Femur
  - Distal Radius
  - Hip
  - Proximal Humerus

# Fracture & Trauma Registry



## Delivering Value for AAOS Fracture & Trauma Surgeons

Compare your practice to **national performance** benchmarks

Access to on-demand surgeon specific **reports and dashboards**

**Monitor** longitudinal patient outcomes **(Medicare data)**

Attain certification credits for **ABOS MOC**

Facilitate site, practice-specific, **performance improvement & accreditation** programs such as Blue Distinction & DNV Centers of Excellence

Use for reporting to **quality improvement programs** such as the QPP Merit-based Incentive Payment System (MIPS)

Inform orthopaedic practice & contribute to **orthopaedic advocacy**

Improve the **value of care** delivered to Patients

# Fracture & Trauma Registry

**Mission:** To improve orthopaedic fracture care through the collection, analysis, reporting, and research on traumatic fractures of the extremities and pelvis

**Vision:** To be a National Registry that empowers quality improvement and research for orthopaedic trauma of the extremities and pelvis in order to optimize patient care

# Looking for a Partner

- In the spirit of continuous quality improvement, AAOS wanted to make it even easier to participate in the registry program by:

  o   Minimizing IT burden to join the registry

  o   Automating data submission workflows

  o   Embedding workflows & insights into the EHR

- Needed the right partner that could deliver the technology and expertise to truly revolutionize registry value

# Partnering with PatientIQ

## Assessing PatientIQ

>400 successful deployments in orthopedic hospitals & specialty practices

~1 in 5 orthopedic surgeons already use PatientIQ in their practice

>20 different EHR vendors supported with proven workflows

Advanced analytics generate insights for data-driven care

" By leaning on **PatientIQ's expertise to deploy EHR-integrated outcomes programs**, we take the power of our clinical registry to a new tier. This new registry offering will improve the often-cumbersome data submission process. "

**Michael J. Gardner, MD, FAAOS**
Stanford Medicine
Chair, FTR Steering Committee

**WEBINAR: REVOLUTIONIZING REGISTRY SUBMISSIONS**

# FTR Powered by PatientIQ

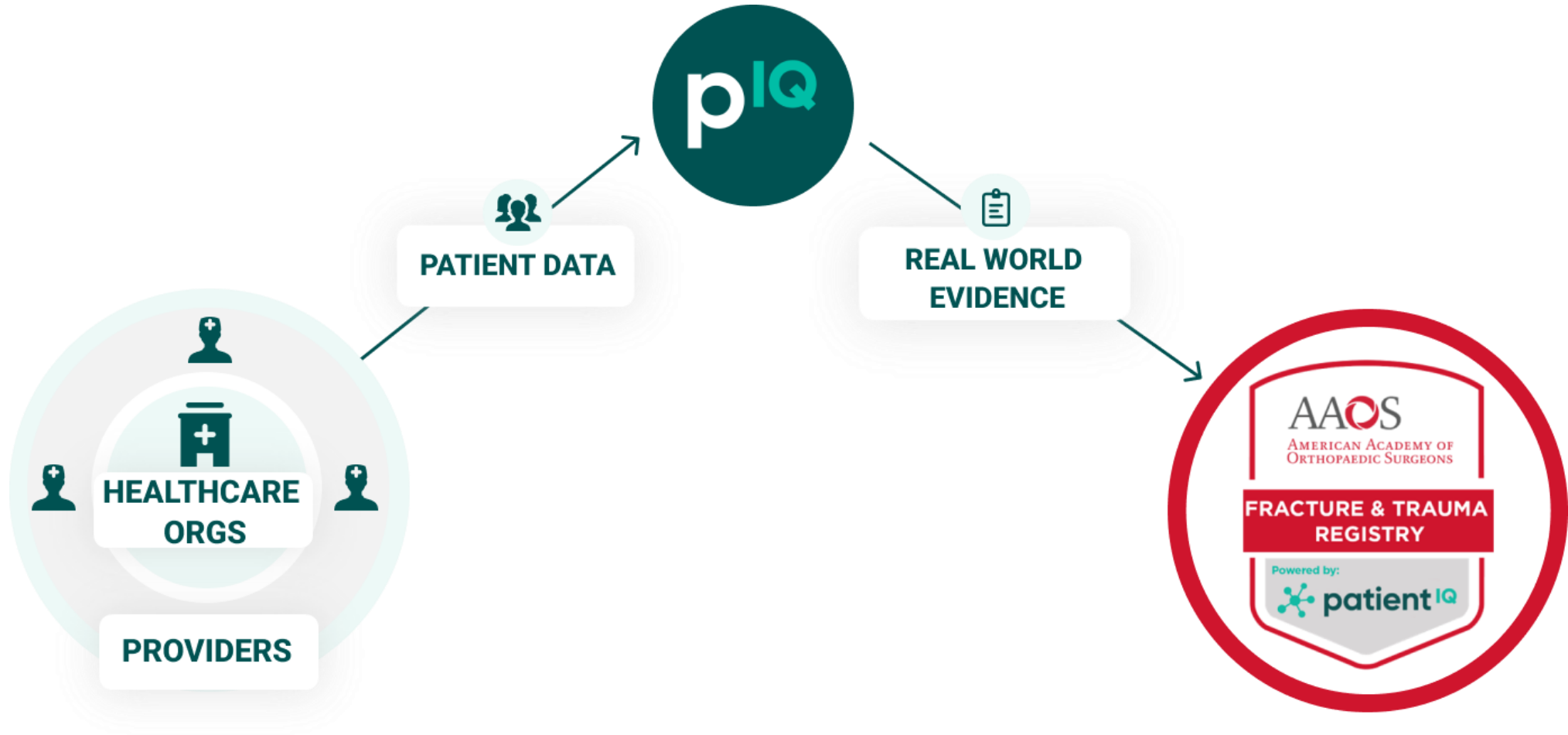# Initial Partnership – Enrollment Goals

**Overall Goals:**

- Streamline workflows

- Minimize administrative and technological burden

- Ease data submission process

**Initial Roll-out Milestones:**

- Enroll >10 new participating sites

- Deploy new EHR-integrated participation option

- Ensure customer success

# Building a Modern Registry Infrastructure

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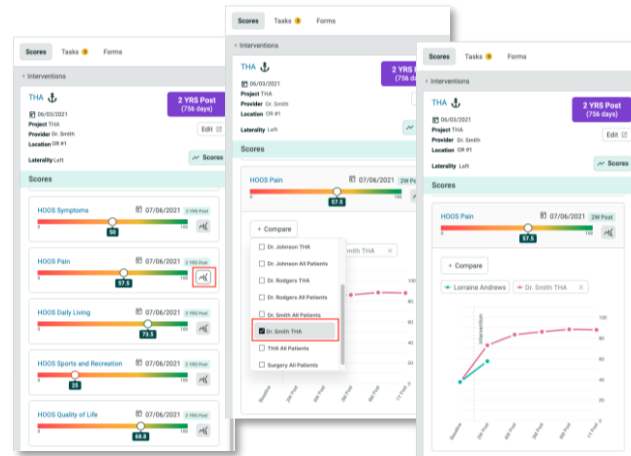


**Data Collection**

EHR-integrated data abstraction
Automated PRO collection

**Real-Time Insights**

Benchmarking
EHR-embedded scores data

**Enterprise-Wide Analytics**

PatientIQ reporting dashboards
Advanced analytics

# Building a Modern Registry Infrastructure

## AN EHR-INTEGRATED, MODERN REGISTRY

**DATA COLLECTION**

PatientIQ pulls data directly from the EHR into the PatientIQ platform using HL7 & FHIR APIs, significantly reducing effort from participating sites

**DATA TRANSLATION**

PatientIQ formats the collected data to meet registry-required specifications

**DATA SUBMISSION**

PatientIQ submits data collected on behalf of the participating sites

**WEBINAR: REVOLUTIONIZING REGISTRY SUBMISSIONS**

# Customer Success Story:
# St. Luke's University Health Network

# Introducing St. Luke's

Fully integrated health network headquartered in Bethlehem, PA

14 clinical campuses, 18K employees

300+ outpatient sites

1,900 doctors & advanced practitioners

The only Lehigh Valley-based healthcare system to earn Medicare's five-star ratings for quality, efficiency, and patient satisfaction

# The Challenge & Solution

- St. Luke's was seeking a highly scalable approach to participate in the FTR Registry

- Wanted to leverage deep Epic integrations to streamline data submissions

- Planned to collect Level 1, 2, and 3 data across all 5 modules

- Needed a partner to collect the PROMs & integrate the results into Epic
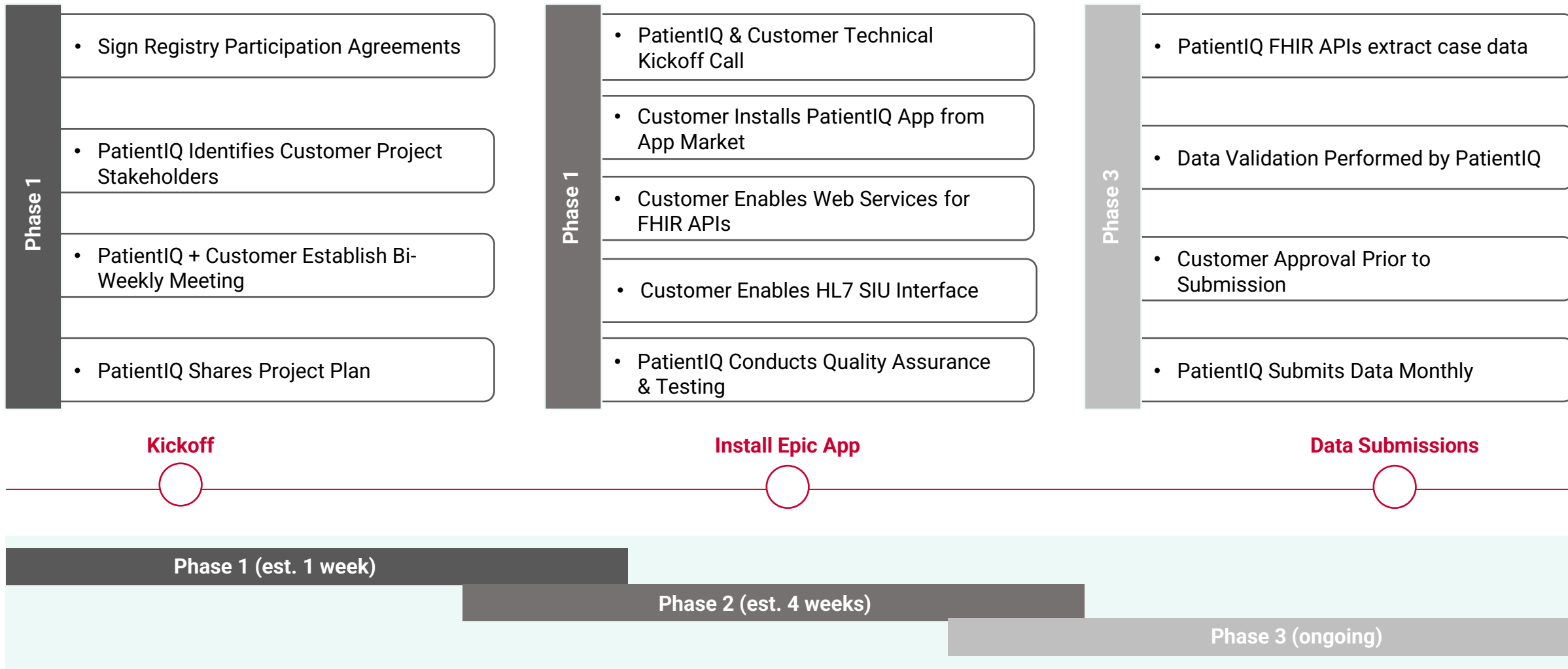
"Continuous quality improvement is fueled by passionate providers backed by world-class technology. **Joining FTR powered by PatientIQ** enables our network to practice evidence-based medicine while providing the highest quality care."

**Matthew Fenty**
Director, Innovation & Strategic Partnerships
St. Luke's University Health Network

# Empowering St. Luke's

**Phase 1**
- Sign Registry Participation Agreements
- PatientIQ Identifies Customer Project Stakeholders
- PatientIQ + Customer Establish Bi-Weekly Meeting
- PatientIQ Shares Project Plan

**Phase 1**
- PatientIQ & Customer Technical Kickoff Call
- Customer Installs PatientIQ App from App Market
- Customer Enables Web Services for FHIR APIs
- Customer Enables HL7 SIU Interface
- PatientIQ Conducts Quality Assurance & Testing

**Phase 3**
- PatientIQ FHIR APIs extract case data
- Data Validation Performed by PatientIQ
- Customer Approval Prior to Submission
- PatientIQ Submits Data Monthly

**Kickoff**

**Install Epic App**

**Data Submissions**

**Phase 1 (est. 1 week)**

**Phase 2 (est. 4 weeks)**

**Phase 3 (ongoing)**

# Automating Collection: FHIR API

**Getting St. Luke's Started**

- Set up the FHIR API
  *(completed in two weeks)*

- Enable Level 1 and Level 2 data to be automatically extracted from the EHR and properly formatted for the FTR modules

**patient IQ on FHIR**

### Patient Demographics

- First & Last Name
- Date of Birth
- Date of Death
- Race, Ethnicity, & Sex
- Email & Phone Number

### Vitals

- Blood pressure
- Heart rate
- Height & weight
- Body Mass Index

### Encounter Information

- Date & Location
- Provider
- Diagnosis (ICD 10)
- Procedures (CPT)

### Procedures

- Performer
- Date & Time
- Body site

### Health Insurance

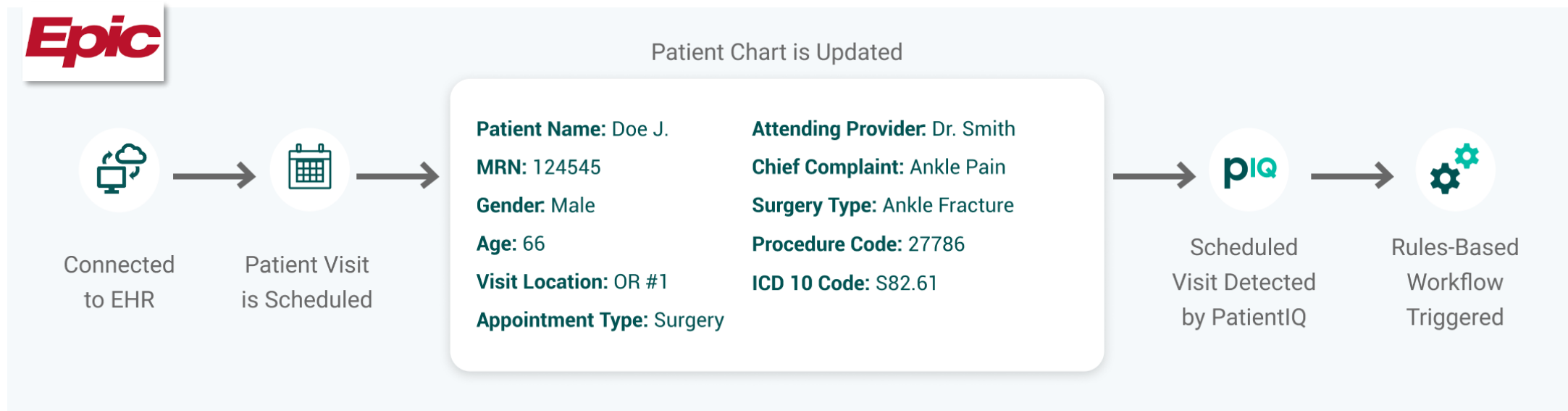- Coverage Status & Type
- Member & Group ID

### Implants

- Universal Device Identifier
- Manufacturer

# Automating Collection: PRO Pathways via PatientIQ

## Collection via Patient Workflows

- Level 3 data is automatically extracted, and properly formatted for FTR modules via PatientIQ's rules-based workflow engine *(completed in 3 weeks)*



Patient Chart is Updated

**Patient Name:** Doe J.  
**MRN:** 124545  
**Gender:** Male  
**Age:** 66  
**Visit Location:** OR #1  
**Appointment Type:** Surgery

**Attending Provider:** Dr. Smith  
**Chief Complaint:** Ankle Pain  
**Surgery Type:** Ankle Fracture  
**Procedure Code:** 27786  
**ICD 10 Code:** S82.61

Connected to EHR → Patient Visit is Scheduled → → Scheduled Visit Detected by PatientIQ → Rules-Based Workflow Triggered

# Automating Collection: Patient Enrollment

**Automatic Patient Enrollment**

- Automatically enroll patients into the registry, capture PROMs in an experience that improves the patient journey
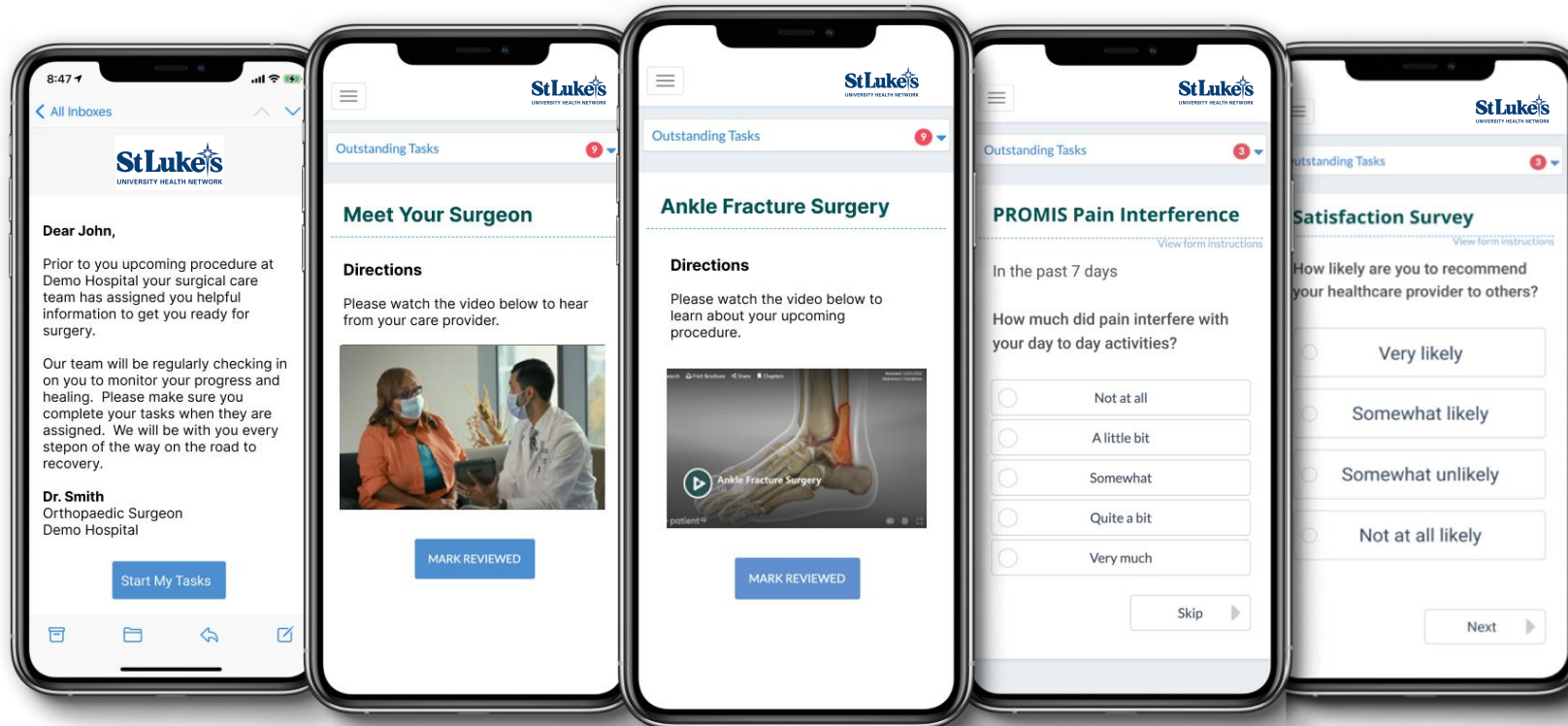


| Personalized Messaging | Custom Content | Patient Education | Patient-Reported Outcomes | Patient Satisfaction |

# The Result

- **Fast Onboarding:**
  Two, 30-minute phone calls to get started. 5 weeks onboarding process.

- **Faster Submission:**
  Once the FHIR API was implemented, submission occurred in a matter of weeks

- **Ongoing Support:**
  PatientIQ handles ongoing FTR submissions on a monthly basis

Kickoff: March 2023

35 Days to Install HL7 & FHIR APIs

Go Live & Data Submission

**WEBINAR: REVOLUTIONIZING REGISTRY SUBMISSIONS**

# Getting Started

# Continuing Customer Success

- St. Luke's – One of many success stories
  *(we'll be sharing more in the coming months)*

- Confidence in moving beyond a soft launch of the partnership to full enrollment – no limitation on the number of participating sites

**Getting Started**

- Multiple options for participation
- Collaborative process to find the solution that works best for your organization

RegistryEngagement@aaos.org

| The Benefits of FTR Powered by PatientIQ |
| :---: |
| Cloud-Hosted |
| EHR-integrated |
| Cost-Effective |
| Fast Onboarding, Faster Submissions |

# Questions?