

the power of
DATA

The AAOS Fracture & Trauma Registry

In March 2022, the American Academy of Orthopaedic Surgeons (AAOS), with support from the Orthopaedic Trauma Association (OTA), launched the Fracture & Trauma Registry (FTR). FTR is the fifth and newest addition to a series of anatomical, quality improvement registries, capturing national data on five of the more common fractures: Ankle, Hip, Distal Femur, Distal Radius, and Proximal Humerus.

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.

On the Horizon

As FTR grows, there will be benchmarking capabilities available for surgeons to compare their data against national aggregate data on procedural trends and outcomes. The AAOS is consulting with our participants to optimize the collection of clinical and operative data through tools and resources that will be made available at the point of care.

Key Contributors:

The FTR Steering Committee

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"By aggregating data from sites across the country, we can really start to distinguish patterns in the data that otherwise would have gone unnoticed. We also can provide surgeons with internal and external benchmarks for continuous quality improvement. We believe this is a unique opportunity to drive meaningful performance improvement."

- Michael J. Gardner, MD, FAAOS, FTR Steering Committee Chair



For more information and to stay up to date on new features and enhancements for FTR, scan this QR code.

AAOS
AMERICAN ACADEMY OF
ORTHOPAEDIC SURGEONS

Fracture & Trauma Registry
Improving Orthopaedic Care Through Data

FTR Common Data Elements

PROCEDURAL

Patient

- Name (Last, First)
- Date of Birth
- Social Security Number
- Diagnosis (ICD-10)
- Gender
- Race/Ethnicity
- Residential Setting
- Ambulatory Status
- Pre-operative Modified Frailty Index (MFI-5)
- Delirium Score

Site of Service

- Name and Address (TIN/NPI)

Surgeon

- Name (NPI)

Fracture

- Fracture Type
- Fracture Classification

Procedure

- Type (ICD-10, CPT)
- Date of Surgery
- Injury Date
- Regional Block
- Osteoporosis Screening
- Calcium/Vitamin D Supplementation
- Implants and Grafts

Comorbidities and Complications

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

Patient-Reported Outcomes

- PROMIS-10 Global or VR-12
- PROMIS Physical Function
- Anatomic-specific PROMs for each module

Also Accepted:

- PROMIS-29
- PROMIS Anxiety
- PROMIS Depression
- PROMIS Pain Interference
- PROMIS-CAT (only accepting summary scores)

Modules Available

- Ankle fracture
- Distal femur fracture
- Distal radius fracture
- Hip fracture
- Proximal humerus fracture

Procedure-Specific Data Elements

ANKLE FRACTURE

Fracture

- Dislocation Type
- Open/Closed
- Injury Mechanism
- Pre-operative Closed Reduction

Procedure

- External Fixation
- Syndesmotic Fixation
- Lateral, Posterior Malleolus, Medial Treatment
- Adjunct Treatments
- Associate Articular Impaction Details
- Stress Evaluation Method and Findings

Anatomic-Specific PROMs

- PROMIS Pain Interference

Additionally Accepted:

- FAAM
- FAOS

HIP FRACTURE

Fracture

- Fracture Stability

Procedure

- Surgical Approach *arthroplasty only
- Surgical Technique
- Fixation Type

Anatomic-Specific PROMs

- HOOS, Jr.

Additionally Accepted:

- HOOS

DISTAL FEMUR FRACTURE

Fracture

- Presence of Bone Defect

Procedure

- Use of Bone Cement
- Planned Return to OR

Anatomic-Specific PROMs

- KOOS, Jr.

Additionally Accepted:

- KOOS

DISTAL RADIUS FRACTURE

Fracture

- Fracture Status
- Pre-operative Closed Reduction
- Angulation Type
- Shear Type
- Presence of Scaphoid Fracture
- Presence of Ipsilateral Ulnar Fracture

Procedure

- Fixation Type
- ORIF Fixation
- Pre-ORIF with Staged External Fixation
- TFCC Repair
- Distal Radioulnar Joint Stabilization

Post-Operative

- Range of Motion
- Grip Strength

Anatomic-Specific PROMs

- DASH or QuickDash

PROXIMAL HUMERUS FRACTURE

Patient

- Pre-operative Advanced Imaging

Fracture

- Presence of Full-Thickness Rotator Cuff Tear
- Presence of Glenohumeral Dislocation
- Presence of Osteoarthritis or Inflammatory Arthritis

Procedure

- Surgical Approach
- Surgical Technique

Anatomic-Specific PROMs

- ASES
- SANE

Additionally Accepted:

- PROMIS Upper Extremity

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