

Orthopedic Surgery: Site of Service Shift Study Value-Based Care Model

- Sponsor - National Ambulatory Surgery Chain
- Collaborator - National Health Insurer
- Investigators - Orthopedic & Neurosurgery Practices
- Duration - 6 months
- 100% Digital Data Capture- Hybrid (facility + patient)
- Value-based Metrics - Cost, Quality, Patient Satisfaction, and Health Economics

“...study demonstrated healthcare economic outcomes saving of ~ \$5MM in costs to the healthcare eco-system and ~ \$1.8M to payors by reducing unplanned readmissions”

Mary Mock, Executive Director, Value-Based Care
National Ambulatory Surgery Chain

Study Design and Execution:

This study was designed to determine whether clinical, cost and patient satisfaction benefits (as measured from the time a patient elected surgery through thirty (30) days postoperatively) were possible by “shifting” the site of service for specific orthopedic and spine procedures to surgery centers instead of hospitals.

Validcare provided end to end CRO services from design through execution including value based contracting modeling and negotiations among the Sponsor, Collaborators and Investigator.

Validcare's platform collected data associated with the clinical, operations and financial aspects of care. In addition, patient consent, self-reported clinical, functional, quality and satisfaction data were collected spanning the pre and post-operative episode of care.

This real world evidence powered, value-based care study demonstrates the versatility of Validcare's platform to power traditional clinical studies as well as multifactoral, episodic, value-based care models to substantiate reimbursement for pharma, biotech and medical device sponsors.

The Study demonstrated success vs. all hospital baseline metrics:

- **Study Group:** 161 patients participated across 130 CPT codes (TKA, THA, Spine)
- **Engagement:** 97% consented, enrolled and completed digital participation
- **Improved Clinical Outcomes:** 36 patients (23%) avoided ER visit/readmission via Validcare Study
- **Procedural Savings:** Validated ~\$18,000 per procedure savings for the payor/employer
- **Quality Measures and ePRO:** Reported “as good or better” than hospital scores for all patients
- **Cancelled Surgery Avoidance:** Pre-surgical prep failure alerts resulted in avoidance of 30 canceled surgeries (~\$450,000)
- **Patient Satisfaction:** Validcare Study achieved greater than 90% Net Promoter Score
- **Physician Satisfaction:** Improved QOL and MD reimbursement schedules