

Table S2. Characteristics Of The Selected Studies.

Refs.	Title	Setting	Origin Country	Publication year	Value initiative	Healthcare Field
(Abdulla et al., 2012)	Endocrine surgery as a model for value-based health care delivery	System	USA	2012	Clinical or surgical pathway redesign	Orthopedic surgeries
(Ackerman et al., 2019)	Enhanced REVENUE After Surgery? A Cost-Standardized Enhanced Recovery Pathway for Mastectomy Decreases Length of Stay	Hospital	USA	2019	Clinical or surgical pathway redesign	Orthopedic surgeries
(Ahn et al., 2019)	Defining and Optimizing Value in Total Joint Arthroplasty From the Patient, Payer, and Provider Perspectives	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Orthopedic surgeries
(Bateni et al., 2019)	Defining Value for Pancreatic Surgery in Early-Stage Pancreatic Cancer	System	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Cardiac surgery
(Berglund et al., 2019)	The procedure value index: a new method for quantifying value in shoulder arthroplasty	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Cardiovascular care
(Bernstein et al., 2018)	Higher Quality, Lower Cost with an Innovative Geriatrics Consultation Service	Hospital	USA	2018	Traditional value program: measure of clinical, process and financial outcomes	Bariatric surgery
(Boltz et al., 2019)	Comparing an on-site nurse practitioner with telemedicine physician support hospitalist programme with a traditional physician hospitalist programme	Hospital	USA	2019	Telemedicine or Computational Intelligence supporting value programs	Orthopedic surgeries
(Bolz & Iorio, 2016)	Bundled Payments: Our Experience at an Academic Medical Center	Hospital	USA	2016	Clinical or surgical pathway redesign	Oncological surgery
(Chatfield et al., 2019)	Bending the cost curve: Time series analysis of a value transformation programme at an academic medical centre	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	General practice
(Colegate-Stone et al., 2016)	Increasing value: The King's College Hospital experience	Hospital	UK	2016	Clinical or surgical pathway redesign	Orthopedic surgeries
(D. V. Williams et al., 2019)	Impact of an integrated practice unit on the value of musculoskeletal care for uninsured and underinsured patients	Hospital	USA	2019	Clinical or surgical pathway redesign	Orthopedic surgeries

(Danilyants et al., 2019)	A value-based evaluation of minimally invasive hysterectomy approaches	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Oncological surgery
(DiGioia & Greenhouse, 2012)	Care experience-based methodologies: performance improvement roadmap to value-driven health care	Hospital	USA	2012	Clinical or surgical pathway redesign	Cardiac surgery
(Dundon et al., 2016)	Improvement in Total Joint Replacement Quality Metrics: Year One Versus Year Three of the Bundled Payments for Care Improvement Initiative	Hospital	USA	2016	Traditional value program: measure of clinical, process and financial outcomes	Oncological surgery
(Ebinger et al., 2018)	Value-based ST-segment-elevation myocardial infarction care using risk-guided triage and early discharge	System	USA	2018	Telemedicine or Computational Intelligence supporting value programs	Orthopedic surgeries
(Featherall et al., 2018)	Implementation of a Total Hip Arthroplasty Care Pathway at a High-Volume Health System: Effect on Length of Stay, Discharge Disposition, and 90-Day Complications	System	USA	2018	Clinical or surgical pathway redesign	
(Featherall et al., 2019)	Effects of a Total Knee Arthroplasty Care Pathway on Cost, Quality, and Patient Experience: Toward Measuring the Triple Aim	System	USA	2019	Clinical or surgical pathway redesign	Orthopedic surgeries
(Gabriel et al., 2019)	Value-based healthcare analysis of joint replacement surgery for patients with primary hip osteoarthritis	Hospital	UK	2019	Clinical or surgical pathway redesign	Orthopedic surgeries
(Glotzbach et al., 2018)	Value-driven cardiac surgery: Achieving “perfect care” after coronary artery bypass grafting	Hospital	USA	2018	Traditional value program: measure of clinical, process and financial outcomes	Cancer care
(Golas et al., 2018)	A machine learning model to predict the risk of 30-day readmissions in patients with heart failure: a retrospective analysis of electronic medical records data	System	USA	2018	Telemedicine or Computational Intelligence supporting value programs	Bariatric surgery
(Goretti et al., 2020)	Value-Based Healthcare and Enhanced Recovery After Surgery Implementation in a High-Volume Bariatric Center in Italy	Hospital	Italy	2020	Clinical or surgical pathway redesign	Spine surgery
(Gray et al., 2019)	Bundled Payment "Creep": Institutional Redesign for Primary Arthroplasty Positively Affects Revision Arthroplasty	Hospital	USA	2019	Clinical or surgical pathway redesign	Oncological surgery

(Gustafsson et al., 2016)	Adherence to the ERAS protocol is associated with 5-year survival after colorectal cancer surgery: a retrospective cohort study.	Hospital	USA	2016	Clinical or surgical pathway redesign	Orthopedic surgeries
(Hernandez A. et al., 2019)	Navy medicine introduces value-based health care	System	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	
(Iorio et al., 2016)	Early results of medicare's bundled payment initiative for a 90-day total joint arthroplasty episode of care.	Hospital	USA	2016	Clinical or surgical pathway redesign	Orthopedic surgeries
(J. B. Williams et al., 2019)	One-year results from the first US-based enhanced recovery after cardiac surgery (ERAS Cardiac) program	Hospital	USA	2019	Clinical or surgical pathway redesign	Oncological surgery
(Johnson et al., 2019)	Short-term functional recovery after total joint arthroplasty is unaffected by bundled payment participation	Hospital	USA	2019	Clinical or surgical pathway redesign	General practice
(Khullar et al., 2015)	Trans thoracic versus transhiatal resection for esophageal adenocarcinoma of the lower esophagus: A value-based comparison	System	USA	2015	Traditional value program: measure of clinical, process and financial outcomes	Obstetrics and Gynecology
(Kirkpatrick et al., 2015)	Using value-based analysis to influence outcomes in complex surgical systems	System	USA	2015	Clinical or surgical pathway redesign	Cancer care
(Kulkarni et al., 2011)	Clinical pathways improve hospital resource use in endocrine surgery	hospital	USA	2011	Clinical or surgical pathway redesign	Cardiac surgery
(Lee et al., 2016)	Implementation of a Value-Driven Outcomes Program to Identify High Variability in Clinical Costs and Outcomes and Association With Reduced Cost and Improved Quality	System	USA	2016	Telemedicine or Computational Intelligence supporting value programs	Pediatric care
(Makdisse et al., 2018)	What Is a Value Management Office? An Implementation Experience in Latin America	Hospital	Brazil	2018	Clinical or surgical pathway redesign	General practice
(McCreary et al., 2019)	Patient-Level Value Analysis: An Innovative Approach to Optimize Care Delivery	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Cardiac surgery
(Navarro et al., 2018)	Machine Learning and Primary Total Knee Arthroplasty: Patient Forecasting for a Patient-Specific Payment Model	System	UK	2018	Telemedicine or Computational Intelligence supporting value programs	Orthopedic surgeries

(Noria et al., 2015)	The impact of care coaching on hospital length of stay, readmission rates and overall patient satisfaction post-bariatric surgery	Hospital	USA	2015	Traditional value program: measure of clinical, process and financial outcomes	Orthopedic surgeries
(Parker et al., 2017)	Bending the cost curve - Establishing value in spine surgery	Hospital	USA	2017	Traditional value program: measure of clinical, process and financial outcomes	Orthopedic surgeries
(Peard et al., 2019)	Examining and Understanding Value: The Impact of Preoperative Characteristics, Intraoperative Variables, and Postoperative Complications on Cost of Robot-Assisted Laparoscopic Radical Prostatectomy	Hospital	USA	2019	Traditional value program: measure of clinical, process and financial outcomes	Cardiac surgery
(Pelt et al., 2016)	Improving value in primary total joint arthroplasty care pathways: changes in inpatient physical therapy staffing	Hospital	USA	2016	Clinical or surgical pathway redesign	Cardiovascular care
(Ravikumar et al., 2010)	A validated value-based model to improve hospital-wide perioperative outcomes: Adaptability to combined medical/surgical inpatient cohorts	System	USA	2010	Clinical or surgical pathway redesign	Bariatric surgery
(Rosner et al., 2018)	Effectiveness of an Automated Digital Remote Guidance and Telemonitoring Platform on Costs, Readmissions, and Complications After Hip and Knee Arthroplasties	System	USA	2018	Telemedicine or Computational Intelligence supporting value programs	Orthopedic surgeries
(Smith et al., 2016)	Cost and Complications of Local Therapies for Early-Stage Breast Cancer	System	USA	2016	Traditional value program: measure of clinical, process and financial outcomes	Oncological surgery
(Thaker et al., 2016)	Defining the Value Framework for Prostate Brachytherapy using Patient-Centered Outcome Metrics and Time-Driven Activity- Based Costing	Hospital	USA	2016	Traditional value program: measure of clinical, process and financial outcomes	General practice
(Van Deen et al., 2017)	The impact of value-based healthcare for inflammatory bowel diseases on healthcare utilization: A pilot study	Hospital	USA	2017	Traditional value program: measure of clinical, process and financial outcomes	Orthopedic surgeries
(Van Den Berg et al., 2020)	Value-based health care in obstetrics	Hospital	The Netherlands	2020	Traditional value program: measure of clinical, process and financial outcomes	Orthopedic surgeries
(van Egdom et al., 2019)	Implementation of Value Based Breast Cancer Care	Hospital	The Netherlands	2019	Traditional value program: measure of clinical, process and financial outcomes	Oncological surgery

(van Veghel et al., 2016)	First results of a national initiative to enable quality improvement of cardiovascular care by transparently reporting on patient-relevant outcomes.	System	The Netherlands	2016	Traditional value program: measure of clinical, process and financial outcomes	Cardiac surgery
(Weiss et al., 2019)	Effective Care Management for Children With Special Health Care Needs in the Era of Value-Based Payment	Hospital	USA	2019	Clinical or surgical pathway redesign	Oncological surgery