

## **Shoulder Replacement - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

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### **Report description:**

Shoulder Replacement Market Analysis

The Shoulder Replacement Market size is estimated at USD 2.24 billion in 2025, and is expected to reach USD 3.12 billion by 2030, at a CAGR of 6.88% during the forecast period (2025-2030).

The expansion reflects demographic shifts toward older age cohorts, rising arthritis prevalence, and continuous design innovation that enhances implant durability and surgical precision. Artificial intelligence, 3D planning software, and robotic-assisted systems now guide surgeons in real time, shrinking operative variability and shortening recovery times. Growth also draws momentum from the migration of procedures to ambulatory surgery centers, where favorable reimbursement and lower operating costs align with payer priorities. Meanwhile, Asia-Pacific healthcare investments accelerate technology adoption, tempering North American dominance and reshaping the competitive calculus for multinational device makers.

Global Shoulder Replacement Market Trends and Insights

Growing Prevalence of Arthritis

Arthritis afflicts 54 million adults in the United States alone, and glenohumeral osteoarthritis now triggers a rising share of anatomic arthroplasty referrals. Accelerated cartilage degeneration in patients with rotator-cuff pathology often progresses to complex reverse procedures, broadening the addressable base. Earlier detection through high-resolution imaging increases

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surgical candidacy at younger ages, while Medicare coverage expansion removes financial barriers for qualified cases. The economic burden of unmanaged arthritic pain-lost productivity, prolonged therapy, and opioid use-reinforces the value proposition of definitive joint replacement. Collectively, these factors anchor steady procedural volume growth across regions with established healthcare access.

### Technological Advances in Prosthesis Design

Stemless systems from Smith + Nephew and Zimmer Biomet, cleared by the FDA in 2024, conserve bone stock and lower periprosthetic fracture risk. Reverse designs now incorporate lateralization and distalization principles that restore deltoid mechanics, and pyrocarbon humeral heads approximate cortical bone modulus, reducing glenoid erosion relative to cobalt-chromium alternatives. Surgeons increasingly rely on navigation platforms that marry 3D preoperative plans with intraoperative trackers to ensure precise glenoid seating. These converging technologies deliver longer implant survival and differentiate suppliers prepared to invest in advanced R&D.

### Post-Operative Complications & Implant Loosening

Long-term data from Norway cite 14.3% complication rates for reverse arthroplasty, with instability and infection driving revisions. Glenoid loosening manifests in up to 48% of anatomic cases within two years, raising concerns about fixation strategies. Metal-backed components paired with polyethylene inserts exhibit elevated revision risk, prompting shifts toward monoblock polyethylene or hybrid designs. Five-year mortality after arthroplasty reaches 16.6% among Medicare beneficiaries, a reminder that comorbidities significantly influence outcomes. Continuous design refinement and rigorous infection-control protocols remain paramount.

Other drivers and restraints analyzed in the detailed report include:

Expanding Geriatric Population & Life Expectancy / Growth of Outpatient Arthroplasty Programs / High Procedure & Implant Costs /

For complete list of drivers and restraints, kindly check the Table Of Contents.

### Segment Analysis

Anatomical prostheses supplied 66.34% of 2024 revenue, yet reverse systems are closing the gap at a 7.13% CAGR. Surgeons favor anatomical implants for patients with intact rotator cuffs because these devices imitate normal kinematics and preserve humeral bone. Stemless variants shorten operative time by sidestepping canal preparation and simplifying future revision. Reverse implants dominate cuff-deficient cases, unstable fractures, and revisions, boasting 10-year survival above 88%.

Design evolution centers on lateralized centers of rotation and distalized glenospheres, which boost deltoid tension and extend range of motion. Inlay reverse systems simplify glenoid exposure, whereas onlay platforms provide incremental stability in cases with bone loss. Modular platforms now accommodate both anatomical and reverse configurations, permitting intraoperative decision shifts without additional inventory. These advancements broaden indications and reinforce the competitive posture of companies delivering configurable solutions across the shoulder replacement market.

Total shoulder replacement maintained 44.39% revenue in 2024, supported by decades of outcome data and widespread surgeon familiarity. Reverse total shoulder replacement, however, propels volume expansion at 8.20% CAGR through complex tear arthropathy, fractures, and re-revision pathways. Resurfacing hemiarthroplasty remains relevant for focal chondral lesions in

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young athletes who may postpone total replacement, while stemmed hemiarthroplasty has receded as reverse alternatives demonstrate higher pain relief and function.

The trajectory toward reverse total procedures reflects evidence that combined tendon transfers can regain 32 of external rotation, enhancing daily living activities. Robotic platforms support both anatomical and reverse workflows, unifying instrumentation and reducing learning curves. Outpatient migration is no longer limited to primary anatomical cases; carefully selected reverse procedures are now discharged the same day with equivalent safety profiles. This procedural diversity injects resilience into the shoulder replacement market by dispersing growth across varied clinical indications.

The Shoulder Replacement Market Report is Segmented by Product Type (Anatomical Prosthesis, Reverse Prosthesis, and More), Procedure (Resurfacing Hemiarthroplasty, Stemmed Hemiarthroplasty, and More), Fixation (Cemented, and More), End User (Hospitals, Orthopedic Centers, and More), and Geography (North America, Europe, Asia-Pacific, Middle East and Africa, South America). The Market Forecasts are Provided in Terms of Value (USD).

### Geography Analysis

North America retains primacy with a 39.81% revenue share in 2024, underpinned by mature reimbursement structures and roughly 53,000 annual arthroplasty procedures in the United States alone. CMS inclusion of total shoulder replacement in the ASC covered list amplifies procedural migration, while national joint registries support evidence-based device selection. Canada confronts elective surgery backlogs by increasing theater capacity, whereas Mexico leverages cost differentials to attract international patients.

Asia-Pacific posts the fastest CAGR at 8.47% to 2030, fueled by hospital infrastructure expansion, rising middle-class income, and government policies that seek affordable orthopedic solutions. China's volume-based procurement has reduced inpatient costs by half, enabling broader access to implants without sacrificing quality. Japan's super-aged society magnifies procedure demand even as it exercises strict regulatory oversight. India's private hospital chains pursue medical tourism, importing high-end implants while promoting indigenous manufacturing under the "Make in India" framework. Australia continues to punch above its population weight in clinical trials, offering early adoption opportunities for new technologies.

Europe records steady uptake across public and private systems. Germany's manufacturing base underwrites high domestic adoption, while the United Kingdom persists in joint replacement research despite Brexit regulatory realignment. France and Italy refine enhanced recovery protocols that trim length of stay without increasing readmissions. Nordic registries provide granular data that illuminate technique-outcome correlations, guiding global practice patterns. Although the European Medical Device Regulation has extended approval timelines, its emphasis on safety may elevate regional confidence in next-generation implants. Collectively, these regional patterns assure diversified revenue streams that insulate the shoulder replacement market from isolated policy shocks.

### List of Companies Covered in this Report:

Arthrex / Zimmer Biomet / Integra LifeSciences / Johnson & Johnson / Smiths Group / Wright Medical Group / Stryker / Enovis Corporation (DJO Global) / Acumed / Exactech / LimaCorporate S.p.A / Conmed / B. Braun / Medacta International / Stryker / Apex Biomedical / Globus Medical / FH Orthopedics / Biotechni SAS / Ascension Orthopedics /

### Additional Benefits:

<ul> The market estimate (ME) sheet in Excel format /

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## **Table of Contents:**

### 1 Introduction

#### 1.1 Study Assumptions & Market Definition

#### 1.2 Scope of the Study

### 2 Research Methodology

### 3 Executive Summary

### 4 Market Landscape

#### 4.1 Market Overview

#### 4.2 Market Drivers

##### 4.2.1 Growing Prevalence of Arthritis

##### 4.2.2 Technological Advances in Prosthesis Design

##### 4.2.3 Expanding Geriatric Population & Life Expectancy

##### 4.2.4 Growth of Outpatient Arthroplasty Programs

##### 4.2.5 AI-Driven Patient-Specific Instrumentation

##### 4.2.6 Rising Sports-Injury Cases Driving Young Demand

#### 4.3 Market Restraints

##### 4.3.1 Post-Operative Complications & Implant Loosening

##### 4.3.2 High Procedure & Implant Costs

##### 4.3.3 Volatile Supply of Medical-Grade Metals & UHMWPE

##### 4.3.4 Stricter Approval Cycles for Reverse Prostheses

#### 4.4 Technological Outlook

#### 4.5 Porter's Five Forces Analysis

##### 4.5.1 Threat of New Entrants

##### 4.5.2 Bargaining Power of Buyers

##### 4.5.3 Bargaining Power of Suppliers

##### 4.5.4 Threat of Substitute Products

##### 4.5.5 Intensity of Competitive Rivalry

### 5 Market Size & Growth Forecasts (Value in USD)

#### 5.1 By Product Type

##### 5.1.1 Anatomical Prosthesis

###### 5.1.1.1 Stemmed Anatomical

###### 5.1.1.2 Stemless Anatomical

##### 5.1.2 Reverse Prosthesis

###### 5.1.2.1 Inlay Reverse

###### 5.1.2.2 Onlay Reverse

###### 5.1.2.3 Stemless Reverse

##### 5.1.3 Hybrid/Biological Prosthesis

#### 5.2 By Procedure

##### 5.2.1 Resurfacing Hemiarthroplasty

##### 5.2.2 Stemmed Hemiarthroplasty

##### 5.2.3 Total Shoulder Replacement

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5.2.4 Reverse Total Shoulder Replacement

5.2.5 Partial Shoulder Replacement

5.3 By Fixation

5.3.1 Cemented

5.3.2 Cementless

5.3.3 Hybrid

5.4 By End User

5.4.1 Hospitals

5.4.2 Orthopedic Centers

5.4.3 Ambulatory Surgical Centers

5.4.4 Specialty Clinics

5.5 By Geography

5.5.1 North America

5.5.1.1 United States

5.5.1.2 Canada

5.5.1.3 Mexico

5.5.2 Europe

5.5.2.1 Germany

5.5.2.2 United Kingdom

5.5.2.3 France

5.5.2.4 Italy

5.5.2.5 Spain

5.5.2.6 Rest of Europe

5.5.3 Asia-Pacific

5.5.3.1 China

5.5.3.2 Japan

5.5.3.3 India

5.5.3.4 Australia

5.5.3.5 South Korea

5.5.3.6 Rest of Asia-Pacific

5.5.4 Middle East & Africa

5.5.4.1 GCC

5.5.4.2 South Africa

5.5.4.3 Rest of Middle East & Africa

5.5.5 South America

5.5.5.1 Brazil

5.5.5.2 Argentina

5.5.5.3 Rest of South America

6 Competitive Landscape

6.1 Market Concentration

6.2 Market Share Analysis

6.3 Company Profiles (includes Global level Overview, Market level overview, Core Segments, Financials as available, Strategic Information, Market Rank/Share for key companies, Products & Services, and Recent Developments)

6.3.1 Arthrex Inc.

6.3.2 Zimmer Biomet Holdings Inc.

6.3.3 Integra LifeSciences Holdings Corporation

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- 6.3.4 Johnson & Johnson (DePuy Synthes)
- 6.3.5 Smith & Nephew plc
- 6.3.6 Wright Medical Group N.V.
- 6.3.7 Stryker Corporation
- 6.3.8 Enovis Corporation (DJO Global)
- 6.3.9 Acumed LLC
- 6.3.10 Exactech Inc.
- 6.3.11 LimaCorporate S.p.A
- 6.3.12 Conmed Corporation
- 6.3.13 B. Braun Melsungen AG
- 6.3.14 Medacta International
- 6.3.15 Stryker Corporation
- 6.3.16 Apex Biomedical
- 6.3.17 Globus Medical Inc.
- 6.3.18 FH Orthopedics
- 6.3.19 Biotechni SAS
- 6.3.20 Ascension Orthopedics

## 7 Market Opportunities & Future Outlook

### 7.1 White-space & Unmet-Need Assessment

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