

# **Joint Reconstruction Devices Market Report by Technique (Joint Replacement, Osteotomy, Arthroscopy, Resurfacing, Arthrodesis, and Others), Joint Type (Knee, Hip, Shoulder, Ankle, and Others), End User (Hospitals, Orthopedic Clinics, Ambulatory Surgical Centers (ASCs), and Others), and Region 2024-2032**

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## **Abstracts**

The global joint reconstruction devices market size reached US\$ 27.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 41.7 Billion by 2032, exhibiting a growth rate (CAGR) of 4.7% during 2024-2032.

Joint reconstruction devices are primarily designed for restoring the movement of joints, providing them with structural support either temporarily or permanently, or aiding in tissue reconstruction. These devices are utilized separately or together with one or more implantable medical devices as a replacement in whole or part for shoulder, hip, or knee joints. Nowadays, joint disorders like osteoarthritis (OA) are widely becoming prevalent on account of sedentary lifestyles and unhealthy dietary patterns of individuals. This is positively influencing the requirement for joint reconstruction devices across the globe.

### **Joint Reconstruction Devices Market Trends:**

The rising geriatric population around the world represents one of the key factors stimulating the growth of the market. Moreover, the advent of advanced, emerging technologies, such as 3D printing, robotics, and augmented reality (AR), are making joint reconstruction safer, more accurate, and efficient. 3D printing is increasingly being used in creating customized bio models (replicas of patient anatomy), devices, and

implants to plan and simulate complex surgical procedures. This technology facilitates joint replacements associated with infection or the failure of a previous replacement joint. Besides this, robotic-assisted surgery is emerging as an innovative method for hip and knee arthroplasty as it offers enhanced component positioning, real-time information about soft tissue tensioning and balance, and restoration of hip length and offset. This, coupled with the increasing accidental or sports-related injuries that cause broken bones and dislocations, is strengthening the growth of the market. Apart from this, there is a rise in the number of individuals requiring total ankle replacement (TAR) and tibiotalar arthrodesis (TTA) for the surgical management of ankle arthritis, which is projected to drive the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global joint reconstruction devices market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on technique, joint type and end user.

#### Breakup by Technique:

Joint Replacement

Implants

Bone Graft

Osteotomy

Arthroscopy

Resurfacing

Arthrodesis

Others

#### Breakup by Joint Type:

Knee

Hip

Shoulder

Ankle

Others

#### Breakup by End User:

Hospitals

Orthopedic Clinics  
Ambulatory Surgical Centers (ASCs)  
Others

Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Aesculap Inc. (B. Braun Melsungen AG), Conformis Inc., Conmed Corporation, DJO Global Inc. (Enovis Corporation), Exactech Inc., Johnson & Johnson Services Inc, Kyocera Medical Technologies Inc. (Kyocera Corporation), Medacta International SA, Smith & Nephew plc, Stryker Corporation and Zimmer Biomet.

## Key Questions Answered in This Report

1. What was the size of the global joint reconstruction devices market in 2023?
2. What is the expected growth rate of the global joint reconstruction devices market during 2024-2032?
3. What are the key factors driving the global joint reconstruction devices market?
4. What has been the impact of COVID-19 on the global joint reconstruction devices market?
5. What is the breakup of the global joint reconstruction devices market based on the technique?
6. What is the breakup of the global joint reconstruction devices market based on the joint type?
7. What are the key regions in the global joint reconstruction devices market?
8. Who are the key players/companies in the global joint reconstruction devices market?

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