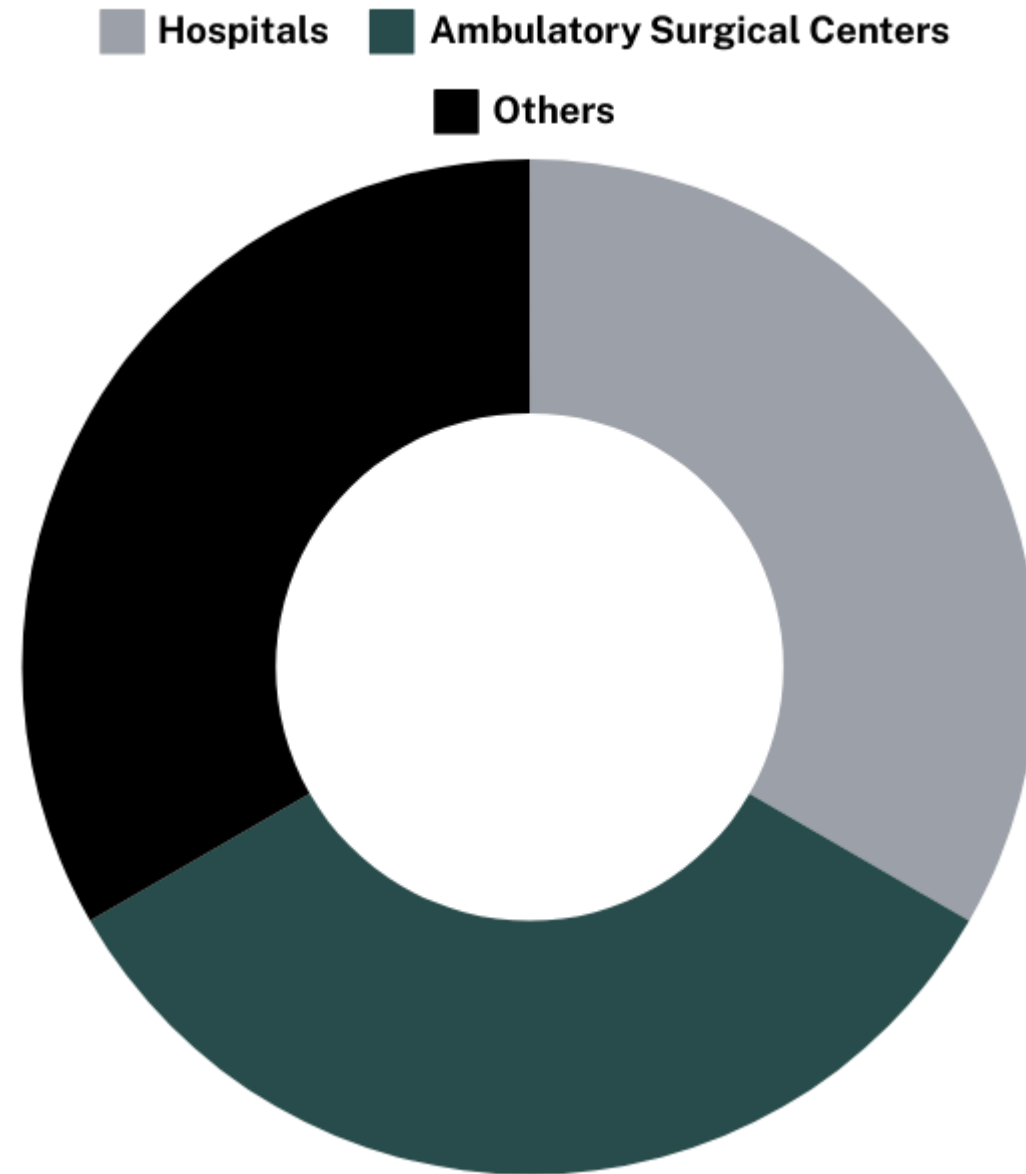


# Knee Implants Market

The **Knee Implants Market** is predicted to reach **USD 17.45 billion** with a **CAGR of 5.8%** by 2030.



Market Key Segments - By End-User



# Table Of Content



01

**Market Overview**

02

**Market Segmentation**

03

**Regional Analysis**

04

**Key Market Players**

05

**Key Highlights**

# Market Overview

- Knee implants, also known as knee prostheses or total knee replacements, are medical devices used to replace damaged or diseased knee joints.
- These implants are comprised of metal alloys, high-grade plastics, and polymers. They are surgically implanted to restore function and alleviate pain in individuals suffering from severe arthritis, traumatic injury, or other conditions that have caused irreversible damage to the knee joint.
- It replicates the natural anatomy and movement of the knee, allowing for improved mobility and quality of life for patients. The procedure involves removing damaged bone and cartilage from the knee joint and replacing them with artificial components that recreate the joint's structure and function.
- The growing prevalence of arthritis among the middle-aged and older population increases the demand for knee implants which stimulates market growth. Additionally, healthcare providers are investing in improved surgical techniques to ensure optimal outcomes for individuals undergoing knee replacement procedures.

# Market Segmentation

## By Type of Procedure

- Total Knee Replacement
- Partial Knee Replacement
- Revision Knee Replacement

## By Component

- Femoral
- Tibial+
- Patellar

## By Device Type

- Three-Compartmental Knee Implants
- Bi-Compartmental Knee Implants
- Uni-Compartmental Knee Implants

## By Material

- Stainless Steel
- Cobalt and Chromium Alloys
- Titanium and Titanium Alloys
- Tantalum
- Zirconium
- Others

### **By Surgery Type**

- Traditional Surgery Type
- Technology Assisted Surgery Type

### **By End-User**

- Hospitals
- Ambulatory Surgical Centers
- Others

### **By Design**

- Cruciate Retaining
- Posterior Stabilized Design

### **By Fixation Material**

- Cemented
- Cementless
- Hybrid

# Regional Analysis

## North America

- The U.S.
- Canada
- Mexico

## Europe

- The UK
- Germany
- France
- Italy
- Spain
- Denmark
- Netherlands
- Finland
- Sweden
- Norway
- Russia

## Asia-Pacific

- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific

## RoW

- UAE
- Saudi Arabia
- South Africa
- Brazil
- Remaining Countries

# Key Market Players

- DePuy Synthes
- Zimmer Biomet
- Stryker
- Smith+Nephew
- Aesculap Implants Systems LLC
- Exactech Inc
- Medacta
- MicroPort Scientific
- ConforMIS



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# Key Highlights

- **Market Growth** : The knee implants market is experiencing significant growth due to the increasing prevalence of knee-related disorders, such as osteoarthritis and rheumatoid arthritis, particularly among the aging population.
- **Technological Advancements** : Innovations in implant materials and designs, such as robotic-assisted surgery and custom-made implants, are enhancing surgical outcomes and patient satisfaction.
- **Minimally Invasive Procedures** : The shift towards minimally invasive surgical techniques is driving demand for knee implants, as these methods typically lead to faster recovery times and reduced hospital stays.
- **Regional Insights** : North America holds a significant share of the market, driven by advanced healthcare infrastructure and high patient awareness. However, the Asia-Pacific region is expected to witness the fastest growth due to rising healthcare access and an expanding patient base.



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