

Total Knee Replacement Market: Global Industry Analysis, Trends, Market Size, and Forecasts up to 2030

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Report description:

The report on the global total knee replacement market provides qualitative and quantitative analysis for the period from 2021-2030. The global total knee replacement market was valued at USD 9.8 billion in 2022 and is expected to reach USD 15.6 billion in 2030, with a CAGR of 6.03% during the forecast period 2023-2030. The study on total knee replacement market covers the analysis of the leading geographies such as North America, Europe, Asia Pacific, and RoW for the period of 2021-2030. Total Knee Replacement (TKR), also known as total knee arthroplasty, is a surgical procedure aimed at relieving pain and restoring function in individuals with severe knee joint damage or arthritis. During the surgery, the damaged knee joint surfaces are replaced with artificial components, typically made of metal and plastic, to mimic the natural joint's movement. Additionally, the scope of total knee replacement is significantly improving the quality of life for individuals suffering from debilitating knee conditions. This procedure proves transformative for patients experiencing chronic pain, limited mobility, and decreased functionality due to conditions like osteoarthritis or rheumatoid arthritis. By replacing the damaged joint surfaces, TKR not only alleviates pain but also enhances joint function, enabling patients to regain mobility, perform daily activities with greater ease, and ultimately enjoy a more active and fulfilling lifestyle. The procedure's success in restoring both physical and functional aspects of the knee makes it a crucial intervention for enhancing overall patient well-being.

The total knee replacement market is propelled by the expanding aging demographic and rising osteoarthritis prevalence. As the aging population grows, the demand for total knee replacement procedures increases, addressing the rising incidence of osteoarthritis and providing an effective solution for improved mobility and reduced pain in affected individuals. Additionally, the total knee replacement market is influenced by sedentary lifestyles and obesity, contributing to a heightened incidence of knee issues. As more individuals adopt sedentary habits and face obesity-related challenges, the demand for total knee replacements rises, addressing the consequences of these lifestyle factors and improving overall joint health. However, the widespread adoption of total knee replacement faces challenges due to the high costs associated with the procedure and concerns about post-surgery complications. Affordability issues and apprehensions regarding potential complications hinder broader acceptance, emphasizing the need for addressing these barriers to ensure wider accessibility and acceptance of the intervention. Although, opportunities for innovation and improvement in total knee replacement arise from advancements in implant materials and surgical techniques. Enhanced materials and techniques promise increased effectiveness and affordability, paving the way for more accessible and

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efficient procedures, and ultimately benefiting a broader range of patients in need of knee replacements.

North America holds the largest market share and the Asia-Pacific region emerging as the fastest-growing market. In North America, factors such as a rapidly aging population, high prevalence of knee-related disorders, advanced healthcare infrastructure, and favorable reimbursement policies have contributed to the region's dominant market position. The well-established presence of key players and a proactive approach to adopting innovative technologies further enhance the market's stability in North America. Meanwhile, the Asia-Pacific region is experiencing a surge in the total knee replacement market due to various factors. Rapid urbanization, a growing elderly population, increasing awareness about joint health, and improving healthcare infrastructure are driving the demand for knee replacement procedures in the region. Additionally, as economies in Asia-Pacific continue to develop, there is a rising middle-class population with higher disposable income, leading to increased affordability of advanced healthcare services, including joint replacement surgeries.

Report Findings

1) Drivers

- The growing aging population and increasing prevalence of osteoarthritis are key factors propelling the total knee replacement market.

- Sedentary lifestyles and obesity contribute to a higher prevalence of knee issues, fostering the market for total knee replacements.

2) Restraints

- High costs associated with the procedure and concerns regarding post-surgery complications pose challenges to the widespread adoption of total knee replacement.

3) Opportunities

- Advancements in implant materials and surgical techniques present an opportunity for innovation and improvement in the effectiveness and affordability of total knee replacement procedures.

Research Methodology

A) Primary Research

Our primary research involves extensive interviews and analysis of the opinions provided by the primary respondents. The primary research starts with identifying and approaching the primary respondents, the primary respondents are approached include

1. Key Opinion Leaders associated with Infinium Global Research
2. Internal and External subject matter experts
3. Professionals and participants from the industry

Our primary research respondents typically include

1. Executives working with leading companies in the market under review
2. Product/brand/marketing managers
3. CXO level executives
4. Regional/zonal/ country managers
5. Vice President level executives.

B) Secondary Research

Secondary research involves extensive exploring through the secondary sources of information available in both the public domain and paid sources. At Infinium Global Research, each research study is based on over 500 hours of secondary research accompanied by primary research. The information obtained through the secondary sources is validated through the crosscheck on various data sources.

The secondary sources of the data typically include

1. Company reports and publications
2. Government/institutional publications
3. Trade and associations journals

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4. Databases such as WTO, OECD, World Bank, and among others.
5. Websites and publications by research agencies

Segment Covered

The global total knee replacement market is segmented on the basis of product, device type, implant type, surgery type, fixation material, and end user.

The Global Total Knee Replacement Market by Product

- Primary Knee Replacement Systems
- Revision Knee Replacement Systems
- Partial Knee Replacement Systems

The Global Total Knee Replacement Market by Device Type

- Three-compartmental Knee Implants
- Bicompartmental Knee Implants
- Unicompartmental Knee Implants

The Global Total Knee Replacement Market by Implant Type

- Fixed-bearing Implants
- Mobile-bearing Implants
- Medial Pivot Implants

The Global Total Knee Replacement Market by Surgery Type

- Traditional Surgery Type
- Technology Assisted Surgery Type

The Global Total Knee Replacement Market by Fixation Material

- Cemented
- Cementless

The Global Total Knee Replacement Market by End User

- Hospitals
- Ambulatory Surgical Centers

Company Profiles

The companies covered in the report include

- B. Braun SE
- Amplitude Ortho
- Conformis, Inc.
- Corin Group
- Medical Device Business Services, Inc
- DJO, LLC
- Exactech, Inc.
- Mathys Ltd Bettlach
- Medacta International
- MicroPort Scientific Corporation

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What does this Report Deliver?

1. Comprehensive analysis of the global as well as regional markets of the total knee replacement market.
2. Complete coverage of all the segments in the total knee replacement market to analyze the trends, developments in the global market and forecast of market size up to 2030.
3. Comprehensive analysis of the companies operating in the global total knee replacement market. The company profile includes analysis of product portfolio, revenue, SWOT analysis and latest developments of the company.
4. IGR- Growth Matrix presents an analysis of the product segments and geographies that market players should focus to invest, consolidate, expand and/or diversify.

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