

# **Orthopedic Braces Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Type (Knee Braces and Supports, Ankle Braces and Supports, Spine Braces and Supports, Shoulder Braces and Supports, Elbow Braces and Supports, Hip, Thigh, & Pelvic Braces and Supports, Hand Braces and Supports, Others), By Application (Ligament Injury, Preventive Care, Post-Operative Rehabilitation, Osteoarthritis, Compression Therapy, Others), By End User (Hospitals & Surgical Centers, Orthopedic Clinics, Pharmacies & Retailers, Online Channels, Others), By Region and Competition, 2020-2030F**

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## **Abstracts**

### Market Overview

The Global Orthopedic Braces Market was valued at USD 4520.6 million in 2024 and is projected to reach USD 6513.18 million by 2030, growing at a CAGR of 6.25% during the forecast period. Market growth is being driven by the increasing prevalence of musculoskeletal conditions, sports injuries, and orthopedic disorders such as arthritis and osteoporosis. The aging global population, which is more vulnerable to bone-related issues, contributes significantly to market expansion. Growing awareness about non-invasive treatment options and preventive healthcare is encouraging the adoption of orthopedic braces for injury prevention and post-surgical care. Healthcare

professionals increasingly recommend these devices to enhance mobility, reduce pain, and support recovery. Demand for personalized braces tailored to individual anatomical requirements is also on the rise. Additionally, innovations in materials—such as lightweight, breathable, and durable fabrics—are enhancing the comfort and performance of orthopedic braces, making them more attractive to patients and boosting market adoption.

## Key Market Drivers

### Rising Prevalence of Musculoskeletal Disorders and Orthopedic Conditions

The growing incidence of musculoskeletal and orthopedic disorders is a major driver for the Global Orthopedic Braces Market. Aging populations are experiencing higher rates of osteoarthritis, rheumatoid arthritis, and degenerative joint diseases, which significantly increases the demand for orthopedic braces and support devices. According to the World Health Organization (WHO), around 1.71 billion people globally suffer from musculoskeletal conditions, including arthritis. This expanding patient population creates a strong need for effective therapeutic options that can alleviate discomfort and enhance quality of life.

In addition to older adults, younger individuals are also increasingly affected due to sedentary lifestyles, poor posture, and active participation in sports. As a result, more people are turning to non-invasive treatment options like orthopedic braces for joint stabilization, pain relief, and post-injury support, making these products a crucial component of chronic condition management and post-surgical rehabilitation.

## Key Market Challenges

### High Cost of Advanced Orthopedic Braces

The elevated cost of technologically advanced orthopedic braces presents a considerable challenge for the Global Orthopedic Braces Market. Devices featuring innovations such as smart sensors, premium materials, and tailored designs are often priced beyond the reach of many patients, particularly in lower-income and resource-constrained regions. These high prices can limit access for individuals requiring prolonged use, including those with chronic conditions or recovering from significant injuries.

Compounding the issue, insurance coverage for orthopedic braces is inconsistent.

While basic models may be covered under some plans, more advanced versions frequently require out-of-pocket payments, making them unaffordable for a significant portion of the population. This is particularly problematic in countries with underdeveloped healthcare reimbursement systems, where non-surgical treatment options receive limited support. As a result, the widespread adoption of high-end orthopedic braces remains restricted, especially in underserved markets.

## Key Market Trends

### Increasing Adoption of Smart and Sensor-Integrated Braces

The rise in the use of smart and sensor-integrated orthopedic braces marks a key trend in the Global Orthopedic Braces Market. As wearable technology continues to evolve, there is growing demand for devices that provide personalized and data-driven orthopedic care. Smart braces, embedded with sensors, track joint movements, muscle activity, and performance metrics, offering real-time insights that help tailor rehabilitation protocols for better recovery outcomes.

These devices commonly incorporate motion, pressure, and temperature sensors to monitor healing progress and ensure accurate support. Remote monitoring capabilities enable healthcare providers to track patients' recovery from afar, making at-home rehabilitation more efficient and convenient. This is particularly beneficial for post-operative and injury recovery patients. Moreover, the ability to detect potential issues—such as improper usage or joint misalignment—helps prevent complications, further enhancing the appeal and functionality of smart orthopedic braces.

## Key Market Players

3M Company

DJO LLC (Enovis)

Ottobock SE & Co. KGaA

BSN medical GmbH

Bauerfeind AG

Zimmer Biomet Holdings Inc.

?ssur hf

DeRoyal Industries Inc.

ALCARE Co., Ltd.

TYNOR ORTHOTICS PVT. LTD.

### Report Scope:

In this report, the Global Orthopedic Braces Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Orthopedic Braces Market, By Product Type:

- Knee Braces and Supports
- Ankle Braces and Supports
- Spine Braces and Supports
- Shoulder Braces and Supports
- Elbow Braces and Supports
- Hip, Thigh, & Pelvic Braces and Supports
- Hand Braces and Supports
- Others

#### Orthopedic Braces Market, By Application:

Ligament Injury

Preventive Care

Post-Operative Rehabilitation

Osteoarthritis

Compression Therapy

Others

Orthopedic Braces Market, By End User:

Hospitals & Surgical Centers

Orthopedic Clinics

Pharmacies & Retailers

Online Channels

Others

Orthopedic Braces Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Orthopedic Braces Market.

Available Customizations:

Global Orthopedic Braces Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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