

Hyperextension Orthotic Kit Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Spinal Orthopedic Kit, Cervical Orthopedic Kit, and Others), By Application (Scoliosis, Anterior Pelvic Tilt, and Others), By Region and Competition

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Abstracts

The global hyperextension orthotic kit market is expected to boost at a significant rate for the forecast period. The increasing demand of hyperextension orthosis kit is driven by a range of factors, including the need for joint stability, injury prevention, pain reduction, and rehabilitation. Some of the main drivers of hyperextension orthosis includes knee injuries, physical activities, chronic knee pain, and an aging population. Hyperextension orthosis works by providing support and stability to the knee joint, helping to prevent injury, manage pain, and promote healing. Knee injuries such as ligament tears, cartilage damage, and patellar instability often require the use of hyperextension orthosis to help support and stabilize the joint. Thus, the use of hyperextension orthosis can prevent further injury and promote healing by limiting the range of motion and distributing weight and pressure more evenly across the joints. Athletes and individuals who participate in physical activities that put significant stress on the knee joint, such as running, jumping, and twisting, are at a higher risk of knee and spine injuries. The use of hyperextension orthosis can help prevent injury and support the joint during physical activity. Chronic knee pain caused by conditions such as osteoarthritis or patellofemoral pain syndrome can be managed with the use of hyperextension orthosis. Hyperextension orthosis kit can be used as a part of rehabilitation programs for knee injuries or surgery. As the population ages, the prevalence of knee injuries, chronic knee pain or the case of osteoarthritis is expected to increase. Hyperextension orthosis can be an effective tool for managing knee pain

and preventing injury in older adults, allowing them to maintain their independence and quality of life. As the main purpose of a hyperextension orthotic kit is to help prevent further injury to the knee joint by limiting its range of motion, the use of hyperextension can be especially important for individuals who have already suffered a knee injury, as hyperextension can cause further damage to the joint and prolong the recovery process.

The use of hyperextension orthotic kits is particularly common in cases of ligament tears, such as ACL (anterior cruciate ligament) tears, which are common in sports, such as soccer, basketball, and football. The hyperextension orthotic kit can help to prevent further damage to the ligament while it heals and can also be used as part of post-surgical rehabilitation.

Rising Cases of Spinal Disorders Around the Globe

Spinal disorders are more common in low to middle-income countries. Less educated people are also impacted as rural residents may have inadequate access to healthcare.

According to WHO, between 250,000 and 500,000 persons worldwide suffer a spinal cord injury each year. Road traffic accidents, falls, are the main causes of spinal cord injuries worldwide. Injuries sustained while participating in sports or at work account for a sizable fraction of traumatic spinal cord injury. Several of the primary causes of spinal cord injuries can be prevented with the help of efficient measures, such as better roads, vehicles that minimize the likelihood of traffic accidents.

Males are particularly vulnerable when they are young adults (20-29 years old) and older (70+). The females are mostly at risk around the adolescence (15-19) and later age (60+). According to studies, the male to female ratio among adults is at least 2:1 and frequently much higher.

According to a report published in PubMed Central, Spinal cord injury (SCI) can result from nontraumatic conditions including infections and vascular damage as well as traumatic conditions like vertebral fractures. Due to the adult spinal cord neurons' diminished capacity for growth, it is still challenging for patients to fully recover from severe Spinal Cord Injury. The anticipated number of incident cases of total Spinal Cord Injury worldwide in 2019 was 0.9 [95% uncertainty interval (UI), 0.7 to 1.2] million incident cases for both sexes, with an age standardized incidence rate (ASIR) of 12 (95% UI, 9-15) per 100,000.

In 2019, there were 6.2 million people in YLDs category (years lived with disability) of total Spinal Cord Injury in the world, with 20.6 million prevalent cases, and 0.9 million incident cases. While the ASIR (incidence rate) and ASYR (YLD rate) declined, the ASPR (prevalence rate) climbed. In every year from 1990 to 2019, males had higher age-standardized incidence rates (ASIR) and age-standardized YLD rates (ASYR). With age came an increase in incidence, prevalence, and YLD rates leading to increasing cases of spinal disorder globally and increasing the demand for hyperextension orthotic kit for the treatment. The increasing adoption of hyperextension orthotic kit to treat fractures and back pain to treat spine injuries by limiting movement in the regions of the spine is expected to boost the global hyperextension orthotic kit market in the upcoming years.

Rising Geriatric Population

In terms of potential injuries, negative effects on quality of life, and costs to the individual and society, falls among the aged individuals are a substantial problem. The fact that falls are the main cause of accidental death in the elderly may be more noteworthy. According to research published, traumas from falls that are serious, like hip fractures or head traumas, account for 20–30% of all injuries. The findings of the study offer early evidence that for older persons with balance problems, personalized foot orthoses can enhance static and dynamic measures of balance. In most patients, these benefits were noticeable right away following foot orthotic intervention and remained stable two weeks later. As the number of elderly people worldwide is predicted to more than double over the next three decades, reaching over 1.5 billion in 2050 which is expected to boost the demand for hyperextension orthotic kit in the forecast period. Between 2020 and 2050, the number of older people in every region will rise. The percentage of the world's population that is 65 or older is anticipated to rise from 9.3% in 2020 to 6.0 per cent by 2050 (United Nations, 2019). With the rising geriatric population around the world, the global hyperextension orthotic kit market will also boost in the forecast years.

Increasing Incidence of Osteoporosis and Osteoarthritis

A chronic bone metabolic condition called low bone mineral density, which includes osteoporosis and low bone mass, is characterized by reduced bone mass and microstructure and increases the risk of fractures in many regions of the body. This public health issue has placed a significant strain on the advancement of the world's economy, society, and health. In the United States, osteoporosis affects more than 10 million people, and by 2020, it has affected almost 14 million people over 50. There are

200 million women who have osteoporosis worldwide. As a chronic condition, osteoporosis is directly linked to population ageing. According to studies conducted, the proportion of men and women in Europe who are 65 and older will rise by 50.6 percent during the following 25 years. For emerging nations where the prevalence of disease will increase over time and where the senior population as well as overall life expectancy will be more than triple in the ensuing 25 years. Osteoporotic fractures will have a greater direct and indirect economic impact as the disease burden rises. Osteoporotic fractures will be more important for healthcare planning because their costs are rising more quickly than inflation overall in practically every nation in the world. More advantages and less social and medical strain will result from focusing more on osteoporotic fracture prevention and treatment which is increasing the use of hyperextension knee braces. Osteoarthritis (OA) of the knee is a prevalent multifactorial joint disease that progresses over time and is characterized by functional impairment and chronic discomfort. Nearly four fifths of all OA cases in the globe are knee OA, which gets worse with age and weight. Except for knee arthroplasty, which is considered an effective treatment when the illness is advanced but comes at a significant financial expense, knee OA is now incurable. Many scientists are now concentrating on disease prevention and therapy at the earliest stages which is also increasing the demand for hyperextension knee braces which works by preventing more strain to the knee during movement hence the global market for hyperextension orthotic kit is expected to boost with the increasing cases of osteoarthritis and other bone related disease.

Market Segmentation

The global hyperextension orthotic kit market is segmented by type, application, competition landscape, and regional distribution. Based on type, the market is fragmented into spinal orthopedic kit, cervical orthopedic kit, and others. Based on application, the market is segmented into scoliosis, anterior pelvic tilt, and others.

Market Players

Cascade Orthotics, OTTOBOCK, Restorative Care of America, Incorporated, Trulife, Performance Health, Orliman SLU, Brave River Solutions, Excel Prosthetics & Orthotics, SureFit, and Ortho Active Appliances Ltd, are among the major market players operating in the global hyperextension orthotic kit market.

Report Scope:

In this report, global hyperextension orthotic kit has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Hyperextension Orthotic Kit Market, By Type:

Spinal Orthopedic Kit

Cervical Orthopedic Kit

Others

Hyperextension Orthotic Kit Market, By Application:

Scoliosis

Anterior Pelvic Tilt

Others

Hyperextension Orthotic Kit 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

Kuwait

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global hyperextension orthotic kit market.

Available Customizations:

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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