

Foot Drop Treatment Devices- Market Insights, Competitive Landscape and Market Forecast-2027

Medical Market (7-10 Business Days) | 2022-07-01 | 100 pages | DelveInsight

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Report description:

Foot Drop Treatment Devices Market By Product Type (Electrical Stimulator, Braces/Splints), By Application (Neuropathy, Muscle Disorders, Brain & Spinal Disorders, Others), by geography is expected to grow at a steady CAGR forecast till 2027 owing to rising prevalence of various knee-associated musculoskeletal disorders, rising prevalence of neuromuscular diseases

Global Foot Drop Treatment Devices Market is projected to grow at a 8.15% CAGR during the forecast period (2022-2027). The Foot Drop Treatment Devices market is witnessing positive growth owing to the rising prevalence of various knee-associated musculoskeletal disorders, rising prevalence of neuromuscular diseases, and increasing geriatric population among other factors, thereby contributing to the growth of the Foot Drop Treatment Devices market during the forecast period from 2022-2027.

Foot Drop Treatment Devices Market Dynamics:

The foot drop treatment devices market is witnessing a growth in product demand owing to various reasons. The increasing geriatric population across the world who are prone to knee-associated musculoskeletal disorders among others is anticipated to surge the demand for foot drop treatment devices during the forthcoming years. For instance, according to the United Nation's World Population Ageing 2020 Highlights, globally, there were 727 million persons aged 65 years or over in the world in 2020 and the global number was projected to double, reaching over 1.5 billion in 2050. The growing old-age population is more susceptible to suffering from knee-related musculoskeletal disorders such as arthritis which may drive the product demand ultimately driving the market growth.

Moreover, rising prevalence of Osteoarthritis (OA) further supports the growth of the market. For instance, according to the Arthritis Foundation 2020, OA, the most common form of arthritis, is a serious chronic disease that affects 1 in 7 US adults-32.5 million people. OA is associated with aging and is more common among people with other chronic conditions, such as heart disease, diabetes, and obesity. Yet, over half of adults with OA, 18.7 million, are of working age (18-64 years). Therefore, these factors are interrelated and the rising prevalence of knee osteoarthritis among the senescent population is projected to propel the global market for foot drop treatment devices.

Furthermore, integration of Artificial Intelligence (AI) and Robotics in Foot Drop surgical procedures to enhance the efficiency of devices along with procedures has been observed in various research studies, and an increase in R&D expenditure along with

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recent product launches of robotic-assisted solutions for the Foot Drop surgeries is likely to boost the global Foot Drop Treatment Devices market.

Furthermore, besides the increase in the geriatric population and integration of Artificial Intelligence, there has been an increase in the number of people living with some form of disability, many of which include complications associated with neuromuscular disorders and need foot drop treatment devices to carry on their day to day activity. According to the factsheet by the World Health Organization (WHO) on Disability and Health, in 2020, over one million people were living with some form of disability. However, side effects associated with prolonged usage and fitting-related issues may be certain limiting factors to the foot drop treatment devices market growth.

The spread of the COVID-19 infection impacted the growth of the Foot Drop Treatment Devices market. To contain the spread of COVID infections, most governments introduced lockdown and social distancing policies to limit transmission and save human lives from novel coronavirus. The lockdowns further created disruptions to the supply chain, limiting the production distribution, and availability by global players.

Foot Drop Treatment Devices Market Segment Analysis:

Foot Drop Treatment Devices Market By Product Type (Electrical Stimulator, Braces/Splints), By Application (Neuropathy, Muscle Disorders, Brain & Spinal Disorders, Others), and By Geography (North America, Europe, Asia-Pacific, and Rest of the World)

In the Product Type segment of the foot drop treatment devices market, Electrical Stimulator are estimated to hold a significant share in the foot drop treatment devices market in the year 2021. This can be attributed to the specific features associated with these foot drop treatment devices.

The electrical stimulation device works by sending impulses to the muscles via surface electrodes that attach to the skin. This causes the muscles to contract and lift the foot.

This movement can help build muscle mass, re-engage the brain, and help stretch the back of the calf, which can sometimes become tight.

An added benefit to this is that the user can actively participate in the movement. With this type of stimulation, the patient lifts the ankle as much as possible. The device detects the movement and when the user reaches a preset threshold, the electrical stimulation is triggered to increase the movement further.

Therefore, considering their wide advantages, the electrical stimulator category is expected to account for a considerable market share in the Foot Drop Treatment Devices market.

North America is expected to dominate the overall Foot Drop Treatment Devices Market:

Among all the regions, North America is expected to account for the largest share of the Global Foot Drop Treatment Devices market in the year 2021 and will continue to dominate during the forecast period from 2022-2027.

This is because of the rising population of the elderly, an increasing number of neuromuscular diseases as well as high awareness among people regarding disease management and the ability to afford such devices are some of the key factors driving the growth in the region.

Moreover, foot drop, or dropped foot, is a symptom of multiple sclerosis (MS) caused by weakness in the ankle or disruption in the nerve pathway between the legs and the brain. This disruption means it is difficult to lift the front of the foot to the correct angle during walking. MS is a neurological indication that leads to the weakening of limbs among other range of symptoms.

For instance, a recent epidemiological study conducted by the National Multiple Sclerosis Society in the United States estimated that approximately one million people were living with MS in the country (2020).

Further, as per the facts provided by the National Safety Council (NSC), a US-based non-profit organization, in 2019, irrespective of the use of exercise equipment, exercise-related injuries accounted for about 468,000 injuries, the most of any category of sports and recreation. It was followed by bicycling with about 417,000 injuries, while basketball with 404,000 injuries, and football, with 292,000 injuries, ranked third and fourth.

The abovementioned facts point towards the presence of a diverse patient pool suffering from neurological disorders in the country as well as the region that may benefit from the utilization of foot drop treatment devices. Furthermore, the well-established patient care system along with awareness among patients and caregivers regarding different types of foot drop treatment devices is further expected to propel the North America foot drop treatment devices market growth.

Moreover, the presence of key players in the region and supportive reimbursement programs further provide immense growth

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opportunities for the foot drop treatment devices market.

Hence, all the above-mentioned factors are likely to contribute to the growth of the foot drop treatment devices market during the forecast period from 2022-2027.

Foot Drop Treatment Devices Market Key Players:

Some of the key market players operating in the Foot Drop Treatment Devices market include Ottobock, Bioness Inc., AxioBionics, Accelerated Care Plus Corporation, Saebo, Inc., Boston Orthotics & Prosthetics, Turbomed Orthotics, Ossur, Thrive Orthopedics, Allard USA Inc., NextStep Robotics, Finetech Medical, Arthrex, Inc., Evolution Devices, Narang Medical Limited, SCHECK & SIRESS, AliMed, The London Orthotics Consultancy Ltd, Access Prosthetics, Spinal Solutions, and others.

Recent Developmental Activities in the Foot Drop Treatment Devices Market:

? In March 2022, Cionic announced FDA clearance for its leg-worn Cionic Neural Sleeve that provides functional electrical stimulation, lightweight Cionic Neural Sleeve to assist in gait for people with foot drop and leg muscle weakness, including those with mobility issues due to multiple sclerosis (MS), stroke, cerebral palsy (CP) and other neurological conditions.

? In September 2021, Evolution Devices announced the launch of its EvoWalk Platform pilot program to rehabilitate walking for people living with neurologically-based partial walking paralysis. Evolution Devices initially focused on rehabilitating Foot Drop, an impairment where a person is unable to lift their foot due to muscle weakness or nerve damage and which frequently causes falls.

Key Takeaways from the Foot Drop Treatment Devices Market Report Study

? Market size analysis for current foot drop treatment devices market size (2021), and market forecast for 5 years (2022-2027)

? The effect of the COVID-19 pandemic on this market is significant. To capture and analyze suitable indicators, our experts are closely watching the foot drop treatment devices market.

? Top key product/services/technology developments, merger, acquisition, partnership, joint venture happened for last 3 years

? Key companies dominating the global foot drop treatment devices market.

? Various opportunities available for the other competitor in the foot drop treatment devices market space.

? What are the top performing segments in 2021? How these segments will perform in 2027.

? Which is the top-performing regions and countries in the current foot drop treatment devices market scenario?

? Which are the regions and countries where companies should have concentrated on opportunities for foot drop treatment devices market growth in the coming future?

Target Audience who can be benefited from this Foot Drop Treatment Devices Market Report Study

? Foot Drop Treatment Devices products providers

? Research organizations and consulting companies

? Foot Drop Treatment Devices-related organizations, associations, forums, and other alliances

? Government and corporate offices

? Start-up companies, venture capitalists, and private equity firms

? Distributors and Traders dealing in Foot Drop Treatment Devices

? Various End-users who want to know more about the foot drop treatment devices market and latest technological developments in the foot drop treatment devices market.

Frequently Asked Questions for the Foot Drop Treatment Devices Market:

1. What are Foot Drop Treatment Devices?

Foot Drop Treatment Devices are products such as a brace, usually made of plastic, called an ?ankle-foot orthosis,? or AFO. The brace is worn around the lower leg and foot. It supports the ankle and holds both foot and ankle in a flexed position.

2. What is the market for Global Foot Drop Treatment Devices?

Global Foot Drop Treatment Devices Market is projected to grow at a 8.15% CAGR during the forecast period (2022-2027).

3. What are the drivers for the Global Foot Drop Treatment Devices Market?

The Foot Drop Treatment Devices market is witnessing positive market growth owing to the rising prevalence of various knee-associated musculoskeletal disorders, rising prevalence of neuromuscular diseases, and increasing geriatric population

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among other factors is thereby contributing to the growth of the Foot Drop Treatment Devices market.

4. Who are the key players operating in the Global Foot Drop Treatment Devices Market?

Some of the key market players operating in the Foot Drop Treatment Devices market include Ottobock, Bioness Inc., AxioBionics, Accelerated Care Plus Corporation, Saebo, Inc., Boston Orthotics & Prosthetics, Turbomed Orthotics, Ossur, Thrive Orthopedics, Allard USA Inc., NextStep Robotics, Finetech Medical, Arthrex, Inc., Evolution Devices, Narang Medical Limited, SCHECK & SIRESS, AliMed, The London Orthotics Consultancy Ltd, Access Prosthetics, Spinal Solutions, and others.

5. Which region has the highest share in Foot Drop Treatment Devices Market?

North America is predicted to account for the dominant market share because of the rising population of the elderly, an increasing number of neuromuscular diseases as well as high awareness among people regarding disease management and the ability to afford such devices and among other factors in the region, thereby causing an increase in the overall market growth of Foot Drop Treatment Devices, which are expected to aid in the growth of the North America Foot Drop Treatment Devices Market.

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