

Acoustic Medicine And Ultrasound Therapy - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The acoustic medicine and ultrasound therapy market studied is anticipated to register a CAGR of nearly 4.1% during the forecast period.

Key Highlights

-COVID-19 had a significant impact on the studied market initially, as there were few research and development activities regarding the usage of ultrasound therapy in COVID-19-infected patients. For instance, in May 2021, a few researchers at the University of California of San Diego School of Medicine began a pilot clinical trial to test the efficacy of using ultrasound therapy to stimulate the spleen and reduce COVID-19-related inflammation, which helped to decrease the length of hospital stays. Thus, the pandemic initially affected the market of acoustic medicine and ultrasound therapy services. However, as the pandemic has subsided, acoustic medicine and ultrasound therapy are taking place normally; hence, the studied market is likely to have favorable growth in the coming years.

-Certain factors that are driving the market growth include an increase in the number of incidences of sports injuries and bone disorders and the rising interest of people in natural methods of medication. Sports injuries include strains and sprains, spondylolysis and spondylolisthesis, stingers, disc injury, and Scheuermann's disease. For instance, according to the data published by the National Safety Council of the United States in 2021, it is estimated that around 3.2 million people were treated in emergency departments for injuries involving sports and recreational equipment in the United States in 2021. The most common activities that were frequently associated with injuries were exercise, cycling, and basketball. The injury rate for exercise was 123.8 per 100,000 population in the United States in 2021. For bicycles and accessories, it was 113.7, and for basketball, it was 78.6.

-Furthermore, in 2022, as per the United Nations Report, World Population Ageing 2022: Highlights report, it was estimated that 10% of the overall global population is aged 65 years and older. The geriatric population is expected to reach 16% by 2050. This is

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anticipated to drive the market for therapeutic ultrasound devices during the forecast period as the geriatric population is more prone to diseases such as rheumatoid arthritis and osteoarthritis, which makes acoustic medicine and ultrasound therapy a favorable treatment option.

-Furthermore, in April 2023, an estimated 20.9% of United States adults, or 51.6 million persons, experienced chronic pain in 2021, and 6.9%, or 17.1 million persons, experienced high-impact chronic pain, which means chronic pain that results in a substantial restriction to daily activities. Conditions such as arthritis, lower back pain, joint pain, muscle pain, and fibromyalgia are patients' major causes of chronic pain. The innovation in wearable ultrasound therapy devices allows for pain relief treatment to take place at home. This reduces the costs associated with a regular hospital or clinic visits. The device emits ultrasound waves that squeeze and open tissues, increasing the movement of nutrients. This speeds up the healing process and creates a soothing effect for the patient, thereby reducing the pain experienced by them drastically. The benefits and the convenience of such devices are driving the demand, especially in high-income regions of North America and Europe.

-Thus, the aforementioned factors, such as the rising prevalence of sports injuries, the rising geriatric population, and the benefits and convenience of acoustic medicine and ultrasound therapy devices, are expected to boost market growth. However, the lack of knowledge and awareness is expected to hinder the growth of the market.

Acoustic Medicine And Ultrasound Therapy Market Trends

Physiotherapy Centers to show Lucrative Growth Opportunities in the Acoustic Medicine and Ultrasound Therapy Market

- Physiotherapy centers provide services that can be defined as a treatment method that focuses on movement and helps people to restore, maintain, and maximize their physical strength, function, motion, and overall well-being by addressing the underlying physical issues. Acoustic medicines and ultrasound therapy are often provided in physiotherapy centers for the rehabilitation and treatment of various diseases. The major factors driving the growth of the segment are the increasing incidences of osteoarthritis and injuries coupled with the rising geriatric population and the rising adoption of ultrasound therapy and acoustic medicine in physiotherapy centers.

- For instance, according to an article published by Arthritis & Rheumatology in March 2022, osteoarthritis has remained a major public health concern worldwide over the past few decades, and the prevalence of osteoarthritis is said to have increased, and it has diversified by geographic location and affected joints. As we know, physiotherapy encompasses various procedures that utilize therapeutic exercises and physical modalities and are aimed at the preservation, enhancement, or restoration of physical function impaired by disease, injury, or disability. Hence, the current high rate of injury and musculoskeletal disorders in developed countries, along with increasing incidences of the same in developed and developing countries, is expected to drive the growth in demand for acoustic medicine and ultrasound therapy across the world.

- An aging population and the increasing prevalence of cardiovascular, neurological, and musculoskeletal diseases are likely to propel the segment's growth. For instance, according to the data updated by World Health Organization (WHO) in 2022, an estimated 1.71 billion people have musculoskeletal conditions worldwide, and population growth and aging are major factors that are increasing musculoskeletal disorders. Hence, the rising geriatric population is one of the major factors driving the growth of the segment.

- Thus, the above-mentioned factors, such as the rising prevalence of osteoarthritis and sports injuries and the rising geriatric population, are expected to boost the growth of the market.

North America is Expected to Hold a Significant Share in the Acoustic Medicine and Ultrasound Therapy Market Market

- North America is expected to hold a significant share of the market, mainly due to the high frequency of sports injuries occurring

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in the region. Injuries in the knee (Patellofemoral Syndrome), shoulder, elbow, sciatica, and hamstring strain (muscle or tendon) are the most common sports injuries in the United States.

- For instance, according to the National Spinal Cord Injury Statistical Center report in 2022, the annual incidence of traumatic spinal cord injury (SCI) in 2021 is approximately 54 cases per one million people in the United States, which equals about 18,000 new SCI cases each year. The estimated number of people with SCI living in the United States in 2021 is approximately 299,000 persons, with a range from 253,000 to 378,000 persons. Thus, the increasing participation of children in sports and the increasing number of injuries during sports activity is generating the need for this product for treatment.

- With the rising number of injuries, the usage of acoustic medicine and ultrasound therapy is also expected to increase in the region. For instance, In August 2021, according to Stanford Children's Hospital, approximately 3.5 million injuries occurred each year due to sports in children and adults in the United States alone, which caused a loss of time participation. One-third of the injuries that occur in childhood are sports-related, among which sprains and strains are the most common. The data clearly illustrates the requirement for a method that can cure chronic pain in a natural but effective way, and this increases the need for sustained acoustic medicine.

- The presence of highly developed healthcare infrastructure, high patient awareness levels, a large population of athletes, and sports-related injuries, as well as a growing geriatric population in the region. For instance, according to an article published by Frontiers in November 2022, it is estimated that in Canada, more than 86,000 people are affected by spinal cord injuries every year from either a traumatic (e.g., fall) or non-traumatic injury (e.g., tumor). Thus, the rising injuries in Canada are driving the product demand.

- Furthermore, the presence of technologically advanced products is also enhancing the market growth. For instance, the SAM Pro 2.0 is the first and only Food Drug Administration (FDA) cleared wearable low-intensity ultrasound device delivering multi-hour treatment to accelerate healing and improve function for musculoskeletal injuries (muscle, tendon, ligament) and reducing chronic pain (without opioid pain medication).

Acoustic Medicine And Ultrasound Therapy Industry Overview

The acoustic medicine and ultrasound therapy market is consolidated in nature. Some prominent players that are currently dominating the market in terms of market share are acquiring the products and launching new products to consolidate their market positions across the globe. Companies like ZetrOZ Systems, BTL, Dynatronics Corporation, Compass Health Brands, and Mettler Electronics Corp. hold a substantial market share.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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