

Sports Medicine Market Assessment, By Device Type [Surgery Devices, Bone Reconstruction Devices, Body Support Devices, Others], By Application [Shoulders, Knees, Ankle and Foot, Back and Spine, Elbow and Wrist, Hips, Others], By End-user [Hospitals, Physiotherapy Centers, Ambulatory Surgical Centers, Others], By Region, Opportunities and Forecast, 2018-2032F

Market Report | 2025-02-19 | 236 pages | Market Xcel - Markets and Data

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Report description:

Global sports medicine market is projected to witness a CAGR of 6.93% during the forecast period 2025-2032, growing from USD 6.41 billion in 2024 to USD 10.96 billion in 2032. The global sports medicine market is expected to keep growing robustly during the forecast period owing to rising sports injuries and growing interest in sports and fitness-related activities by people.

Sports medicine is probably the most specialized clinical specialty in terms of preventing, diagnosing, treating, and rehabilitating injuries and conditions associated with physical activity, exercise, and sports. It is, therefore, a multidisciplinary approach because it also involves a physician, physical therapists, athletic trainers, nutritionists, and many other health professionals who cooperate in optimizing physical performance and recovery. Increased cases of sports-related injuries, participation in athletic activities, and advanced technologies for treatment will further boost the growth rate of the sports medicine market. Some major factors contributing to expansion in the sports medicine market include increasing awareness for physical fitness, availability of innovative solutions for preventing and rehabilitating injuries, and rising demand for minimally invasive procedures. Orthopedic devices, braces, and support products make up the largest share. For instance, in October 2023, Smith & Nephew plc launched the REGENETEN Bioinductive Implant in Japan, offering an advanced healing solution for rotator cuff tears. This collagen-based implant stimulates tendon-like growth to enhance natural healing. Delivered arthroscopically, it resorbs within six months, transforming rotator cuff repair practices.

Growing Prevalence of Sports Injuries to Fuel the Market Growth

The growing prevalence of sports injuries is a significant driving force for the growth of the sports medicine market. Factors such

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as increased cases of sports-related injuries have emerged as a major trend pushing the growth of the market for sports medicine across the globe. In the increasing participation in both professional and recreational sporting activity, the number of sprains, fractures, ligament tears, and overuse injuries has risen sharply. This trend has increased demand for more advanced diagnostic tools, more sophisticated treatment modalities, and rehabilitation solutions that are specific to the needs of active individuals and athletes. In addition, heightened awareness about the importance of timely and effective injury management has further intensified the adoption of sports medicine products and services. For instance, in January 2023, Arthrex, Inc., announced its ACL TightRope implant had received from the U.S. Food and Drug Administration clearance for pediatric indications, making it the first and only fixation device approved for treating anterior cruciate ligament (ACL) injuries in children. Developed in collaboration with leading orthopedic surgeons, the device supports advanced all-epiphyseal and transphyseal techniques for ACL surgery, offering enhanced treatment options for pediatric patients.

Advancements in Technology Drive Market Growth

The global market for sports medicine is growing significantly due to technological advancements to transform the diagnosis, treatment, and rehabilitation of different sports-related injuries. The development of minimally invasive surgery techniques, 3D-printed implants, and wearable devices with real-time tracking is boosting the outcomes of various patients, thereby shortening the recovery time. Integrating artificial intelligence and telemedicine platforms also enhanced access to individualized treatment plans, augmenting market growth. All these technological advancements address the increased risk of sports injuries but also cater to the growing demand for performance optimization among athletes, thus propelling the industry toward robust growth. For instance, in September 2024, Temple OrthoBiologics, Inc., launched TX-33, a cutting-edge combination of advanced biomaterials, targeted drug delivery, and a pharmaceutical-grade derivative of a compound long used by athletes for muscle recovery and repair. Launched on International Arthrofibrrosis Awareness Day, TX-33 is revolutionizing sports medicine by addressing the challenge of joint scar tissue. With its research and development hub in Liege and global partnerships, the company aims to innovate treatment for knee and joint injuries and targeted delivery for transformative recovery solutions.

Knee Application Segment to Dominate the Sports Medicine Market

Knee injuries are expected to grow in the sports medicine market, given the high incidence of knee-related injuries among athletes and the general population. Some common sports-related injuries include tears to the anterior cruciate ligament, meniscal injuries, and patellar dislocations; therefore, advanced solutions are needed to treat such conditions. The increasing adoption of minimally invasive surgical techniques and innovative improvements in knee braces, implants, and rehabilitation devices further foster growth in this segment. In addition, the growing awareness of injury prevention and increasing participation in sports activities across various geographies are adding to the importance of this segment in the sports medicine market. For instance, in September 2024, Trainers' Choice (Claris Distribution Private Limited.) launched a new sports medicine line featuring innovative Geocell material designed to enhance performance and recovery for athletes. The new line includes the Knee Stabilizer, which features kinetic paneling, adjustable compression, bilateral steel springs, and a U-shaped buttress for optimal patellar support, assisting with conditions like patellofemoral syndrome and patellar tendonitis. The Geocell technology is engineered to offer superior breathability and flexibility, catering to the needs of both professional and recreational athletes. This launch reflects Trainers' Choice's commitment to advancing sports medicine solutions and improving athletic performance through cutting-edge materials.

North America Dominates the Sports Medicine Market

North America is anticipated to dominate the sports medicine market, primarily due to its advanced healthcare infrastructure, high prevalence of sport-related injuries, and huge investments in research and development. This region, therefore, holds a significant market share, mainly attributed to the increasing participation in sports and fitness activities, combined with an enhanced awareness towards the prevention and management of injuries. The United States market leads the overall race with a significant presence of key industry players, wide adoption of innovative technology, and an increasing number of sports medicine clinics. Also, favorable policies toward reimbursement and government initiatives supporting sports and physical fitness enhance the regional market's growth. For instance, in August 2024, Johnson & Johnson Services, Inc., through DePuy Synthes, launched the VELYS SPINE system, a dual-use robotics and standalone navigation platform for spinal fusion procedures. Developed with eCential Robotics, the US Food and Drug Administration-cleared technology offers advanced surgical guidance and flexibility, enhancing surgeon precision and patient outcomes while setting a new standard in spinal surgical care.

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Future Market Scenario (2025-2032F)

The global sports medicine market is expected to have good prospects, especially due to the continuous evolution of technology, the increase in sports and fitness-related activities, and the rise in awareness about preventing and managing injury. The industry is likely to experience significant growth, as the latest solutions in regenerative medicine, encompassing treatments involving platelet-rich plasma therapy and stem cell therapy, are changing the face of recovery from injury. Wearable technology and artificial intelligence-enabled tools for real-time performance monitoring and injury prediction will also be crucial in determining the industry's future. Chronic conditions, such as osteoarthritis, in aging populations engaged in sports is another area that demands new treatments and rehabilitation facilities. In September 2024, IIT Madras developed an AI-powered portable Point-of-Care Ultrasound scanner for on-field sports injury diagnosis. Created by the Centre of Excellence in Sports Science and Analytics, this radiation-free device enables rapid musculoskeletal imaging, aiding immediate injury assessment and recovery decisions.

Key Players Landscape and Outlook

The sports medicine market is highly fragmented. While the service segment is fragmented with many local and global providers, the product market is dominated by leading medical device manufacturers. Key recent developments include innovative product launches, new clinic setups, and strategic mergers and acquisitions to expand the market.

For instance, in January 2023, Enovis Corporation launched the DynaClip Delta and DynaClip Quattro bone staples, expanding its foot and ankle portfolio. These new additions offer surgeons enhanced procedural efficiency with pre-loaded, disposable inserters for quick deployment and precise positioning. The DynaClip Delta staples facilitate faster first metatarsophalangeal fusion procedures while maintaining durability, with new data highlighting their superior stiffness and reduced permanent gapping compared to traditional fixation methods.

For instance, in July 2024, Stryker Corporation completed the acquisition of Artelon, Inc., a leader in soft tissue fixation products for foot and ankle and sports medicine procedures. This acquisition enhances Stryker Corporation's portfolio, integrating Artelon's innovative synthetic technology to improve ligament and tendon reconstruction. Artelon's solutions strengthen Stryker's competitive position and leadership in these key segments.

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