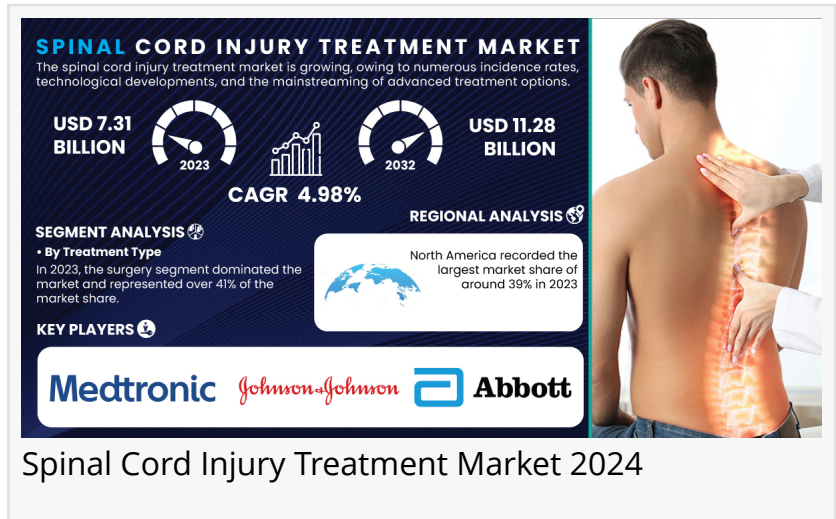


# Spinal Cord Injury Treatment Market Surges Forward, Fueled by Technological Advancements and Increasing Incidence Rates

*The spinal cord injury treatment market is witnessing remarkable growth, fueled by breakthroughs in regenerative medicine and novel therapeutic strategies.*

AUSTIN, TX, UNITED STATES, December 11, 2024 /EINPresswire.com/ -- The [Spinal Cord Injury Treatment Market](#) size was valued at USD 7.31 billion in 2023 and is expected to reach USD 11.28 billion by 2032 at a CAGR of 4.98% during the forecast period of 2024-2032.



## Spinal Cord Injury Treatment Market Overview:



Driving Innovation,  
Technological  
Advancements Propel  
Growth in Spinal Cord Injury  
Treatment Market”

*SNS Insider*

The Spinal Cord Injury Treatment Market is in rapid growth due to the steadily increasing incidence of spinal cord injuries (SCI), fueled by motor vehicle accidents, falls, and sports, which annually affect 250,000 to 500,000 people worldwide, according to WHO. The demand for quality healthcare solutions is particularly going up among the elderly as well as high-risk age groups. Innovations in neurostimulation devices, regenerative therapies, and stem cell treatments are changing the face of SCI care,

improving mobility, and reducing complications. Governmental support, especially in Western countries, significantly propels market growth. For example, the U.S. government and the Christopher & Dana Reeve Foundation have been accelerating research, thereby fostering innovation. Upcoming reimbursement policies, expected by 2025, and developments in robotic exoskeletons will further improve treatment options. The ongoing issues with technological costs and solutions for underserved areas of the globe will always continue, but feasible and available

technologies may then bridge those gaps to generally improve patient outcomes across regions.

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Key Players Listed in Spinal Cord Injury Treatment Market Are:

- Medtronic
- Johnson & Johnson
- Abbott Laboratories
- Pfizer
- Eli Lilly
- Boston Scientific
- Stryker
- Zimmer Biomet
- Baxter International
- Astellas Pharma
- Acorda Therapeutics
- ReWalk Robotics and others

Spinal Cord Injury Treatment Market Analysis:

The Spinal Cord Injury Treatment Market is changing at a high pace due to increasing patient and healthcare provider awareness regarding innovative solutions. Novel treatments such as stem cell therapy, gene therapy, and neurostimulation are now changing the face of SCI treatment. Stem cell therapy provides the possibility of repairing damaged tissues and restoring function to nerves that were previously paralyzed. Gene therapy involves introducing healthy genes to replace damaged genes, thus allowing nerve cell repair and regrowth. Neurostimulation therapies include spinal cord stimulators, which use electric impulses to enhance motor functions and reduce pain.

All this is done with educational projects and outreach programs that heighten the awareness of those treatments. Conferences as well as patient advocacy groups are helping to bridge a knowledge gap, so people and providers can take full advantage of the latest techniques and treatments available. The expanding demand self-reinforces innovation.

Segment Analysis

By Treatment Type

In 2023, the surgical segment dominated the market with 41% of the market share, as surgical interventions are most effective in regaining spinal stability and diminishing the effects of injury.

Nevertheless, corticosteroids are gaining more popularity because they can be used to treat the secondary inflammatory response that occurs after SCI. Drugs such as methylprednisolone, which are potent in reducing oxidative stress and inflammation, will change the paradigm of treatment.

### By Injury Type

The complete spinal cord injuries segment dominated the market with a market share of 56% in 2023, mainly because of the predominance of severe trauma resulting from accidents and sports-related injuries. Partial spinal cord injuries are emerging as a growth leader, driven by improvements in personalized therapies and advances in regenerative medicine. Personalized therapies aim to maximize the potential for recovery by using neurostimulation and innovative diagnostics, which result in better outcomes for patients whose nerve function is retained.

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### Key Market Segmentation:

#### By Treatment Type

- Corticosteroid
- Spinal Traction
- Surgery

#### By Injury

- Partial Spinal Cord Injury
- Complete Spinal Cord Injury

#### By End-User

- Trauma Centers
- Hospitals
- Others

#### By Distribution Channel

- Hospital Pharmacy
- Retail Pharmacy
- Online Pharmacy

#### Regional Insights

North America dominated the market in spinal cord injury treatment in 2023, accounting for around 39% of the market share. This is due to the region's developed healthcare infrastructure, high usage of corticosteroids, and modern rehabilitation centers. The U.S. also attracts patients from other parts of the world because of its expertise in SCI diagnosis and treatment. The National Institute of Neurological Disorders and Stroke estimates that around 12,000 new cases of SCI are reported each year, which translates to more than USD 3 billion in associated care costs.

The Asia-Pacific region is expected to grow at the fastest rate in the forecast period, driven by an increasing number of SCI cases and investments in health infrastructure. The growth of the region's medical tourism and the implementation of modern treatment technologies also contribute to its high market growth rates.

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## Recent Developments

- On October 2024, Boston Scientific: The company introduced updates to its Spectra WaveWriter SCS System, emphasizing its ability to provide customized pain management solutions through a combination of BurstDR stimulation and other advanced therapeutic options.
- On September 2, 2024, Sanofi announced positive results from the Phase 3 HERCULES study, demonstrating that tolebrutinib, its oral brain-penetrant BTK inhibitor, achieved the primary endpoint. The trial showed that tolebrutinib significantly delayed the onset of confirmed disability progression (CDP) compared to placebo in patients with non-relapsing secondary progressive multiple sclerosis (nrSPMS).

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