

# Gene Therapy for CNS Disorders Market Size, Trends, Analysis, and Outlook By Indication (Alzheimer's Disease, Huntington's Disease, Parkinson's Disease, Batten Disease), By Type (Ex Vivo, In Vivo), By End-User (Hospitals, Speciality Clinics), by Region, Country, Segment, and Companies, 2024-2030

<https://marketpublishers.com/r/G5CA917DE7DBEN.html>

Date: March 2024

Pages: 190

Price: US\$ 3,980.00 (Single User License)

ID: G5CA917DE7DBEN

## Abstracts

The global Gene Therapy for CNS Disorders market size is poised to register 25.24% growth (CAGR) from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Gene Therapy for CNS Disorders market By Indication (Alzheimer's Disease, Huntington's Disease, Parkinson's Disease, Batten Disease), By Type (Ex Vivo, In Vivo), By End-User (Hospitals, Speciality Clinics).

The future of gene therapy for central nervous system (CNS) disorders is marked by advancements in vector technology, delivery methods, and gene editing techniques, offering potential treatments for a wide range of neurological conditions such as Parkinson's disease, Alzheimer's disease, and amyotrophic lateral sclerosis (ALS). With CNS disorders presenting complex challenges due to the blood-brain barrier and the delicate nature of neural tissues, there is a growing interest in gene therapy approaches that can safely and effectively deliver therapeutic genes to target cells within the brain and spinal cord. Key trends include the development of viral vectors such as adeno-associated viruses (AAVs) and lentiviruses with improved transduction efficiency, specificity, and neurotropism for targeting specific cell types and neural circuits. Additionally, there is a focus on non-viral delivery systems, exosome-mediated delivery, and gene editing technologies such as CRISPR/Cas9 for precise modification of disease-causing genes or regulation of gene expression in CNS disorders. Moreover,

there is ongoing research into combination therapies, neuroprotective strategies, and disease-modifying interventions that synergize with gene therapy approaches to address the complex pathophysiology of CNS disorders and improve long-term outcomes for patients..

## Gene Therapy for CNS Disorders Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Gene Therapy for CNS Disorders market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Gene Therapy for CNS Disorders survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Gene Therapy for CNS Disorders industry.

## Key market trends defining the global Gene Therapy for CNS Disorders demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Gene Therapy for CNS Disorders Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Gene Therapy for CNS Disorders industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Gene Therapy for CNS Disorders companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Gene Therapy for CNS Disorders industry

Leading Gene Therapy for CNS Disorders companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Gene Therapy for CNS Disorders companies.

### Gene Therapy for CNS Disorders Market Study- Strategic Analysis Review

The Gene Therapy for CNS Disorders market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Gene Therapy for CNS Disorders Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Gene Therapy for CNS Disorders industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Gene Therapy for CNS Disorders Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe,

the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

North America Gene Therapy for CNS Disorders Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Gene Therapy for CNS Disorders market segments. Similarly, Strong end-user demand is encouraging Canadian Gene Therapy for CNS Disorders companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Gene Therapy for CNS Disorders market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Gene Therapy for CNS Disorders Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Gene Therapy for CNS Disorders industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Gene Therapy for CNS Disorders market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Gene Therapy for CNS Disorders Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Gene Therapy for CNS Disorders in Asia Pacific. In particular, China, India, and South East Asian Gene Therapy for CNS Disorders markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth

opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

#### Latin America Gene Therapy for CNS Disorders Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

#### Middle East and Africa Gene Therapy for CNS Disorders Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Gene Therapy for CNS Disorders market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Gene Therapy for CNS Disorders.

#### Gene Therapy for CNS Disorders Market Company Profiles

The global Gene Therapy for CNS Disorders market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Biogen Inc, Bluebird Bio Inc, BrainStorm Cell Therapeutics, Eli Lilly and Company, Novartis AG, Pfizer Inc, Rapa Therapeutics, Spark Therapeutics, UniQure Biopharma, Voyager Therapeutics.

#### Recent Gene Therapy for CNS Disorders Market Developments

The global Gene Therapy for CNS Disorders market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Gene Therapy for CNS Disorders Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

### Market Segmentation:

By Type

Stationary 3D and 4D Ultrasound Devices

Portable 3D and 4D Ultrasound Devices

By Display

Color Ultrasound

B/W Ultrasound

By Portability

Trolley or Cart-Based Ultrasound Systems

Compact/Handheld Ultrasound Systems

Point-of-Pare (PoC) Ultrasound Systems

By Application

Radiology or General Imaging

Obstetrics or Gynecology

Cardiology

Urology

Vascular

Orthopedic and Musculoskeletal

Pain Management

Others

By End-User

Hospitals

Surgical Centers and Diagnostic Centers

Maternity Centers

Ambulatory Care Centers

Research and Academia

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Biogen Inc

Bluebird Bio Inc

BrainStorm Cell Therapeutics

Eli Lilly and Company

Novartis AG

Pfizer Inc

Rapa Therapeutics

Spark Therapeutics

UniQure Biopharma

Voyager Therapeutics



Formats Available: Excel, PDF, and PPT

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Compact/Handheld Ultrasound Systems  
Point-of-Pare (PoC) Ultrasound Systems  
By Application  
Radiology or General Imaging  
Obstetrics or Gynecology  
Cardiology  
Urology  
Vascular  
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