

Pediatric Central Nervous System Tumors Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034

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Abstracts

The 7 major pediatric central nervous system tumors markets are expected to exhibit a CAGR of 5.22% during 2024-2034.

The pediatric central nervous system tumors market has been comprehensively analyzed in IMARC's new report titled "Pediatric Central Nervous System Tumors Market: Epidemiology, Industry Trends, Share, Size, Growth, Opportunity, and Forecast 2024-2034". Pediatric central nervous system (CNS) tumors refer to a group of abnormal growths or neoplasms that affect various structures and regions of the brain and spinal cord in children. The symptoms of the condition can vary depending on the type, location, and size of the tumor. Some common indications may include persistent headaches, seizures, motor or sensory deficits, changes in behavior or cognition, blurred or double vision, dizziness, nausea, vomiting, abnormal eye movements, problems with balance or coordination, etc. In rare cases, children suffering from this disease may also experience cranial nerve dysfunction that can lead to facial weakness or numbness, hearing loss, trouble swallowing, etc. The diagnosis of pediatric CNS tumors typically involves a combination of medical history evaluation, clinical feature assessment, and a neurological examination. The healthcare provider may further perform neuroimaging techniques, like computed tomography scans and magnetic resonance imaging, to provide detailed pictures of the spinal cord and brain, which help to locate and characterize the tumor among patients. Additionally, a tissue biopsy is recommended to confirm the diagnosis of cancer.

The increasing cases of inherited gene mutations, caused by changes in the DNA replication process during cell division, are primarily driving the pediatric central nervous system tumors market. In addition to this, the rising incidences of autoimmune

disorders, which affect the body's ability to recognize and eliminate cancerous cells, are also creating a positive outlook for the market. Moreover, the widespread adoption of brachytherapy, since it involves placing radioactive sources directly into or near the tumor site, allowing for the delivery of high-energy X-rays to the abnormal cells while sparing normal tissues, is further bolstering the market growth. Apart from this, the escalating application of effective drugs, including temozolomide, etoposide, methotrexate, etc., which work by inhibiting an enzyme involved in the DNA synthesis of cancerous cells, is acting as another significant growth-inducing factor. Additionally, the inflating popularity of stereotactic radiosurgery, owing to its several benefits, such as non-invasiveness, removal of deep-seated or inoperable tumors, and improved overall quality of life, is expected to drive the pediatric central nervous system tumors market during the forecast period.

IMARC Group's new report provides an exhaustive analysis of the pediatric central nervous system tumors market in the United States, EU5 (Germany, Spain, Italy, France, and United Kingdom) and Japan. This includes treatment practices, in-market, and pipeline drugs, share of individual therapies, market performance across the seven major markets, market performance of key companies and their drugs, etc. The report also provides the current and future patient pool across the seven major markets. According to the report the United States has the largest patient pool for pediatric central nervous system tumors and also represents the largest market for its treatment. Furthermore, the current treatment practice/algorithm, market drivers, challenges, opportunities, reimbursement scenario and unmet medical needs, etc. have also been provided in the report. This report is a must-read for manufacturers, investors, business strategists, researchers, consultants, and all those who have any kind of stake or are planning to foray into the pediatric central nervous system tumors market in any manner.

Time Period of the Study

Base Year: 2023

Historical Period: 2018-2023

Market Forecast: 2024-2034

Countries Covered

United States

Germany

France

United Kingdom
Italy
Spain
Japan

Analysis Covered Across Each Country

Historical, current, and future epidemiology scenario

Historical, current, and future performance of the pediatric central nervous system tumors market

Historical, current, and future performance of various therapeutic categories in the market

Sales of various drugs across the pediatric central nervous system tumors market

Reimbursement scenario in the market

In-market and pipeline drugs

Competitive Landscape:

This report also provides a detailed analysis of the current pediatric central nervous system tumors marketed drugs and late-stage pipeline drugs.

In-Market Drugs

Drug Overview

Mechanism of Action

Regulatory Status

Clinical Trial Results

Drug Uptake and Market Performance

Late-Stage Pipeline Drugs

Drug Overview

Mechanism of Action

Regulatory Status

Clinical Trial Results

Drug Uptake and Market Performance

*Kindly note that the drugs in the above table only represent a partial list of marketed/pipeline drugs, and the complete list has been provided in the report.

Key Questions Answered in this Report:

Market Insights

How has the pediatric central nervous system tumors market performed so far and how will it perform in the coming years?

What are the markets shares of various therapeutic segments in 2023 and how are they expected to perform till 2034?

What was the country-wise size of the pediatric central nervous system tumors market across the seven major markets in 2023 and what will it look like in 2034?

What is the growth rate of the pediatric central nervous system tumors market across the seven major markets and what will be the expected growth over the next ten years?

What are the key unmet needs in the market?

Epidemiology Insights

What is the number of prevalent cases (2018-2034) of pediatric central nervous system tumors across the seven major markets?

What is the number of prevalent cases (2018-2034) of pediatric central nervous system tumors by age across the seven major markets?

What is the number of prevalent cases (2018-2034) of pediatric central nervous system tumors by gender across the seven major markets?

How many patients are diagnosed (2018-2034) with pediatric central nervous system tumors across the seven major markets?

What is the size of the pediatric central nervous system tumors patient pool (2018-2023) across the seven major markets?

What would be the forecasted patient pool (2024-2034) across the seven major markets?

What are the key factors driving the epidemiological trend of pediatric central nervous system tumors?

What will be the growth rate of patients across the seven major markets?

Pediatric Central Nervous System Tumors: Current Treatment Scenario, Marketed Drugs and Emerging Therapies

What are the current marketed drugs and what are their market performance?

What are the key pipeline drugs and how are they expected to perform in the coming years?

How safe are the current marketed drugs and what are their efficacies?

How safe are the late-stage pipeline drugs and what are their efficacies?

What are the current treatment guidelines for pediatric central nervous system tumors

drugs across the seven major markets?

Who are the key companies in the market and what are their market shares?

What are the key mergers and acquisitions, licensing activities, collaborations, etc. related to the pediatric central nervous system tumors market?

What are the key regulatory events related to the pediatric central nervous system tumors market?

What is the structure of clinical trial landscape by status related to the pediatric central nervous system tumors market?

What is the structure of clinical trial landscape by phase related to the pediatric central nervous system tumors market?

What is the structure of clinical trial landscape by route of administration related to the pediatric central nervous system tumors market?

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