

Stem cell therapy Market By Cell Source (Adipose Tissue-Derived Mesenchymal Stem Cells, Bone Marrow-Derived Mesenchymal Stem Cells, Cord Blood/Embryonic Stem Cells, Other), By Application (Cancer, Musculoskeletal Disorder, Wounds and Injuries, Cardiovascular Disease, Other), By Type (Allogeneic Transplants, Autologous Transplants): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2022-09-01 | 274 pages | Allied Market Research

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Report description:

The global stem cell therapy market was valued at \$205.12 million in 2021, and is projected to reach \$928.64 million by 2031, registering a CAGR of 16.2% from 2022 to 2031.

The stem cell therapy is a promising strategy for regeneration of damaged organs, tissues or functions through the transplantation of stem cells. The cell therapy involves the direct administration of cells into the body for healing purposes. The units of therapy in this approach are single cells. It has been established as a useful therapy for hematologic malignancies and some solid tumors. However, some of the patients still die in allogeneic stem cell transplantation because T-lymphocytes cause fatal GVHD, and many are not cured in autologous stem cell transplantation as the disease recurs post-stem cell transplantation. Hematopoietic stem cell therapies provide methods for inducing lifelong tolerance to xenografts or allow novel treatment of autoimmune diseases, whereas the research and use of nonhematopoietic stem cells help minimize the toxicities of cancer therapy or cure non-malignant disorders.

The global stem cell therapy market is anticipated to show significant market growth during the forecast period, owing to increase in demand for stem cell therapy, increase in government support for R&D activities and increase in healthcare expenditure. Furthermore, increase in prevalence of diseases such as cancer, and new product launches associated with stem cell therapy are considerably contributing toward the market growth. However, limitations on use of embryonic stem cells due to ethical concerns and high cost of stem cell therapy are negatively impacting the market growth. Conversely, surge in the applications of induced pluripotent stem cells in embryonic stem cell therapy offers the lucrative opportunities for the growth of the market.

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The global stem cell therapy market is segmented on the basis of cell source, application, type and region. Based on cell source, the market is classified into adipose tissue-derived mesenchymal stem cells, bone marrow-derived mesenchymal stem cells, cord blood/embryonic stem cells, other. Based on application, the market is classified into cancer, musculoskeletal disorders, wounds and injuries, cardiovascular diseases, gastrointestinal diseases, other. Based on type, the market is classified into allogeneic transplants and autologous transplants. Furthermore, the allogeneic transplants segment is sub-classified as pediatric and adult. Also, the autologous transplants segment is sub-classified as pediatric and adult. Region wise, the market is studied across North America (U.S., Canada, and Mexico), Europe (Germany, France, the UK, Italy, Spain, and Rest of Europe), Asia-Pacific (China, Japan, Australia, India, South Korea, and Rest of Asia-Pacific), and LAMEA (Brazil, South Africa, Saudi Arabia, and Rest of LAMEA). The major companies profiled in the report include Allele Biotechnology and Pharmaceuticals, Inc., Astellas Pharma Inc, Fujifilm Holding Corporation (FUJIFILM Cellular Dynamics, Inc.), Mesoblast Ltd, Novadip Biosciences, NuVasive, Inc., Orthofix Holdings, Inc., Smith & Nephew plc, Takeda Pharmaceutical, and U.S. Stem Cell, Inc.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the stem cell therapy market analysis from 2021 to 2031 to identify the prevailing stem cell therapy market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the stem cell therapy market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global stem cell therapy market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Cell Source

- Adipose Tissue-Derived Mesenchymal Stem Cells
- Bone Marrow-Derived Mesenchymal Stem Cells
- Cord Blood/Embryonic Stem Cells
- Other

By Application

- Cancer
- Musculoskeletal Disorder
- Wounds and Injuries
- Cardiovascular Disease
- Other

By Type

- Allogeneic Transplants
- Age
- Pediatric
- Adult
- Autologous Transplants
- Age
- Pediatric
- Adult

By Region

- North America
- U.S.

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- Canada
- Europe
- Germany
- France
- UK
- Rest Of Europe
- Asia-Pacific
- Japan
- India
- South Korea
- Rest Of Asia-Pacific
- LAMEA
- Brazil
- Rest Of LAMEA
- Key Market Players
- Allele Biotechnology and Pharmaceuticals, Inc.
- Astellas Pharma Inc.
- Fujifilm Holding Corporation
- Mesoblast Ltd.
- Novadip Biosciences
- NuVasive, Inc.
- Orthofix Holdings, Inc.
- Smith & Nephew plc
- Takeda Pharmaceutical Company Ltd
- U.S. Stem Cell, Inc.

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