

Regenerative Medicine Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global regenerative medicine market size reached US\$ 18.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 61.4 Billion by 2028, exhibiting a growth rate (CAGR) of 22.4% during 2023-2028.

Regenerative medicine refers to a branch of biomedical sciences aimed at restoring the structure and function of damaged tissues and organs. It involves the utilization of stem cells that are developed in laboratories and further implanted safely into the body for the regeneration of damaged bones, cartilage, blood vessels and organs. Cellular and acellular regenerative medicines are commonly used in various clinical therapeutic procedures, including cell, immunomodulation and tissue engineering therapies. They hold potential for the effective treatment of various chronic diseases, such as Alzheimer's, Parkinson's and cardiovascular disorders (CVDs), osteoporosis and spinal cord injuries.

The increasing prevalence of chronic medical ailments and genetic disorders across the globe is one of the key factors driving the growth of the market. Furthermore, the rising geriatric population, which is prone to various musculoskeletal, oncological, dermatological and cardiological disorders, is stimulating the market growth. In line with this, widespread adoption of organ transplantation is also contributing to the market growth. Regenerative medicine minimizes the risk of organ rejection by the body post-transplant and enhances the recovery speed of the patient. Additionally, various technological advancements in cell-based therapies, such as the development of 3D bioprinting techniques and the adoption of artificial intelligence (AI) in the production of

regenerative medicines, are acting as other growth-inducing factors. These advancements also aid in conducting efficient dermatological grafting procedures to treat chronic burns, bone defects and wounds on the skin. Other factors, including extensive research and development (R&D) activities in the field of medical sciences, along with improving healthcare infrastructure, are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global regenerative medicine market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application and end user.

Breakup by Type:

- Stem Cell Therapy
- Biomaterial
- Tissue Engineering
- Others

Breakup by Application:

- Bone Graft Substitutes
- Osteoarticular Diseases
- Dermatology
- Cardiovascular
- Central Nervous System
- Others

Breakup by End User:

- Hospitals
- Specialty Clinics
- Others

Breakup by Region:

- North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Allergan PLC (AbbVie Inc.), Amgen Inc., Baxter International Inc., BD (Becton, Dickinson and Company), Integra Lifesciences Holdings Corporation, Medtronic plc, Mimedx Group Inc., Novartis AG, Osiris Therapeutics Inc. (Smith & Nephew plc) and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global regenerative medicine market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global regenerative medicine market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global regenerative medicine market and who are the key players?

What is the degree of competition in the industry?

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