

# **Regenerative Medicine Market: Segmented by Product Type (Stem cell therapy, Biomaterial, Tissue Engineering and Others); by Application (Bone Graft substitutes, Osteoarticular Diseases, Dermatology, Cardiovascular, Central Nervous System, Others); By End-User (Hospitals, Special Clinics, Others) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030**

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## **Abstracts**

[179+ Pages Research Report Global Regenerative Medicine Market to surpass USD 131.08 billion by 2030 from USD 16.27 billion in 2020 at a CAGR of 23.20% in the coming years, i.e., 2021-30.

### **Product Overview**

Regenerative medicine is a field of biomedical research that focuses on regenerating the structure and function of damaged tissues and organs. It entails the use of stem cells that are created in labs and then safely transplanted into the body to regenerate damaged bones, cartilage, blood vessels, and organs. Cellular and acellular regeneration medications are often utilized in clinical treatment techniques such as cell, immunomodulation, and tissue engineering. They have the potential to cure a variety of chronic illnesses, including Alzheimer's disease, Parkinson's disease, cardiovascular disorders (CVDs), osteoporosis, and spinal cord injuries. Regenerative medicine reduces the chance of organ rejection by the body after transplantation and speeds up the patient's recovery.

### **Market Highlights**

Global Regenerative Medicine Market is expected to project a notable CAGR of 23.20% in 2030

One of the main reasons driving the market's growth is the rising incidence of chronic medical conditions and genetic diseases throughout the world. In addition, the growing elderly population, which is susceptible to musculoskeletal, oncological, dermatological, and cardiological illnesses, is driving market expansion. As a result, the broad acceptance of organ transplantation is also helping to drive market development. Other growth-inducing variables include technological breakthroughs in cell-based treatments, such as the development of 3D bioprinting techniques and the use of artificial intelligence (AI) in the manufacture of regenerative medicines.

Recent highlights in the Global Regenerative Medicine Market

In February 2020, AmnioExcel Plus Placental allograft membrane was released by Integra Lifesciences (US).

In November 2019, Stryker Corporation (US) purchased Wright Medical (US) to expand its product portfolio.

Global Regenerative Medicine Market: Segments

Dermatology segment to grow with the highest CAGR during 2020-30

Global Regenerative Medicine Market is segmented by Application into Bone Graft substitutes, Osteoarticular Diseases, Dermatology, Cardiovascular, Central Nervous System, Others. Among these Dermatology is expected to have the highest growth in the forecast period and this significant contribution is due to the availability of simple grafting methods for dermatological wounds and illnesses. Skin supplies numerous types of stem cells from its various layers, as it is an organ with excellent cell replication properties. As a result, a wide range of treatments are available, ranging from patches to treat minor injuries to matrix and grafts for chronic wounds and burns. As a result, over the projected period, the sector is likely to continue to dominate the market.

Tissue engineering segment to grow with the highest CAGR during 2020-30

Global Regenerative Medicine is divided by Product into Stem cell therapy, Biomaterial, Tissue Engineering, Others. Among these Tissue Engineering segment held the majority share in the Regenerative Medicine Market in 2019. The increased investment for R&D of regenerative medicine goods and therapies, as well as the increasing use of tissue-engineered products for the treatment of chronic wounds and musculoskeletal problems, are the key drivers driving the expansion of this sector.

Market Dynamics

*Regenerative Medicine Market: Segmented by Product Type (Stem cell therapy, Biomaterial, Tissue Engineering an...*

## Drivers

Growing prevalence of chronic diseases, genetic disorders, and cancer

The incidence and prevalence of chronic diseases such as cardiovascular disease, cancer, diabetes, ulcers, and genetic abnormalities such as cystic fibrosis have grown dramatically during the last several decades all across the world. Diabetes and obesity can increase the occurrence and complexity of wounds such as infections, ulcerations (leg or foot ulcers), and surgical wounds, all of which necessitate care and result in astronomical medical costs.

## Restraint

High-cost cell and gene therapies

For patients suffering from terminal diseases and severe disorders, cell and gene treatments offer tremendous scientific and medical development. These treatments are assisting in the transformation of how illnesses are treated and may be cured. Furthermore, such therapies will ultimately allow doctors and medical professionals to inject genes/cells into patients instead of using a series of medicines and undergoing several procedures. Despite the fact that these therapies are lifesavers and more successful than traditional treatments, demand for these therapies is lower than anticipated. This is due to the high prices of these therapies as well as the difficulties in securing reimbursements and coverage.

## Global Regenerative Medicine Market: Key Players

3M

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

Novartis AG

Aspect Biosystems

Kite Pharma

Misonix

Takeda Pharmaceutical Company Limited

Tego Science

Vericel Corporation

Smith & Nephew plc

Androgen Co., Ltd

Bluebird bio

## Global Regenerative Medicine Market: Regions

Global Regenerative Medicine Market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Global Regenerative Medicine in North America held the largest market share in the year 2019. The rise in stem cell banking, tissue engineering, and drug discovery in the region, as well as the expansion of the healthcare sector and the high adoption of stem cell therapy and cell immunotherapies for the treatment of cancer and chronic diseases, have all contributed to the growth of the North American regenerative medicine market.

Global Regenerative Medicine Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – China, Japan, Australia, and Rest of APAC

The Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Regenerative Medicine report also contains analysis on:

Regenerative Medicine Segments:

By Product Type

Stem cell therapy

Biomaterial

Tissue Engineering

Others

By Application

Bone Graft substitutes

Osteoarticular Diseases

Dermatology

Cardiovascular

Central Nervous System

Others

By End-User

Hospitals

Special Clinics

## Others

Regenerative Medicine Market Dynamics

Regenerative Medicine Market Size

Supply & Demand

Current Market Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Regenerative Medicine Market Report Scope and Segmentation

## Report Attribute Details

Market size value in 2021 USD 20.02 billion

Revenue forecast in 2030 USD 131.08 billion

Growth Rate CAGR of 23.20% from 2021 to 2030

Base year for estimation 2020

Quantitative units Revenue in USD billion and CAGR from 2021 to 2030

Report coverage Revenue forecast, company ranking, competitive landscape, growth factors, and trends

Segments covered Product Type, Application, End-Use, and Region

Regional scope North America; Europe; Asia Pacific; Latin America; Middle East & Africa (MEA)

Key companies profiled 3M, Novartis AG, Aspect Biosystems, Kite Pharma, Misonix, Takeda, Pharmaceutical Company Limited, Tego Science, Vericel Corporation, Smith & Nephew plc, Anterogen Co., Ltd, Bluebird bio and Other Prominent Players.

## Frequently Asked Questions

How big is the Regenerative Medicine market?

What is the Regenerative Medicine market growth?

Which segment accounted for the largest Regenerative Medicine market share?

Who are the key players in the Regenerative Medicine market?

What are the factors driving the Regenerative Medicine market?

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13.9. Smith & Nephew plc

13.10. Anterogen Co., Ltd

13.11. Bluebird bio

Consultant Recommendation

\*\*The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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