

North America Regenerative Dentistry Market Size and Forecast (2021 - 2031)

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Abstracts

The North America Regenerative Dentistry Market is projected to grow significantly, reaching an estimated US\$ 2,070.5 million by 2031, up from US\$ 1,006.1 million in 2024. This growth represents a compound annual growth rate (CAGR) of 11.0% from 2025 to 2031.

Executive Summary and Market Analysis

The regenerative dentistry market in North America is primarily divided into three regions: the United States, Canada, and Mexico. The United States dominates the market, followed by Canada. The growth of this market is driven by several factors, including the rising incidence of dental diseases such as cavities, gum disease, and tooth loss, as well as the increasing acceptance of advanced technologies in regenerative dentistry. Additionally, there is a notable rise in research and development initiatives by various organizations, which further supports market expansion. The trend of medical tourism in Mexico for dental services also contributes positively to the market's growth.

Strategic Insights

Market Segmentation Analysis

The North America Regenerative Dentistry Market can be segmented based on various criteria:

By Type: The market is divided into Natural and Synthetic types, with Natural products holding the largest market share in 2024.

By Technology: The market includes segments such as Tissue Engineering, Stem Cell Therapy, and Others, where Tissue Engineering is the leading segment.

By Application: Applications include Periodontal Regeneration, Endodontic Regeneration, Tooth Reconstruction, Bone Regeneration, and Others, with Periodontal Regeneration being the most significant segment.

By Age Group: The market is categorized into Adult and Pediatric segments, with Adults representing the largest share.

By End User: The end users are primarily Dental Clinics, Hospitals, and Others, with Dental Clinics leading the market.

Market Outlook

According to the World Health Organization (WHO) Global Oral Health Status Report from 2022, oral diseases affect approximately 3.5 billion people globally, with a significant portion of those affected residing in middle-income countries. The prevalence of dental disorders is on the rise, particularly among the aging population, which is a key driver for the regenerative dentistry market. As life expectancy increases, more individuals face age-related dental issues such as periodontitis and tooth loss. The WHO reports that severe periodontal disease affects nearly 10% of the global population, with higher rates among older adults.

The aging population is particularly vulnerable to dental issues, leading to a higher demand for dental procedures, including regenerative treatments. By 2030, it is estimated that one in six individuals worldwide will be aged 60 or older, with the number of people aged 60 and above expected to rise from 1 billion in 2020 to 1.4 billion. This demographic shift is expected to significantly increase the demand for regenerative dentistry products and treatments.

Regenerative dentistry offers advanced solutions such as stem cell therapies, platelet-rich plasma (PRP) applications, and bioengineered scaffolds, which are essential for restoring lost dental structures and improving oral function. Government initiatives promoting oral health awareness are also encouraging the adoption of these innovative treatments.

Country Insights

The North America Regenerative Dentistry Market is further segmented by country, with the United States holding the largest market share in 2024. Dental issues such as cavities and gum disease are prevalent public health challenges in the US. The CDC reports that over 90% of adults aged 20 to 64 have experienced at least one cavity, and nearly 21% of this group had untreated decayed teeth in 2024. Among children, more than half of those aged 6 to 8 have cavities in their primary teeth.

The adoption of regenerative technologies, including stem cell therapies and tissue engineering, is transforming dental practices in the US. Clinical trials have shown promising results for stem cell-based dental regenerative procedures, indicating their potential effectiveness in treating dental issues.

Key Players

The market features several key players, including Evonik Industries AG, Dentsply Sirona Inc, Envista Holdings Corporation, ZimVie Inc, BioHorizons Inc, Geistlich Pharma AG, Nobel Biocare Services AG, UBGEN, B&B Dental Implant Company, and Botiss Biomaterials GmbH. These companies are focusing on strategies such as product innovation, expansion, and mergers and acquisitions to enhance their market presence.

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