

Wound Care Biologics Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

<https://marketpublishers.com/r/W5F78E599D61EN.html>

Date: February 2025

Pages: 132

Price: US\$ 4,850.00 (Single User License)

ID: W5F78E599D61EN

Abstracts

The Global Wound Care Biologics Market was valued at USD 2.2 billion in 2024 and is projected to expand at a CAGR of 5.2% from 2025 to 2034. Wound care biologics are bioengineered treatments designed to enhance the body's natural healing response, particularly for chronic and non-healing wounds. These solutions help minimize the risk of severe complications, including amputation, by accelerating tissue repair. The rising prevalence of chronic wounds, the increasing number of surgeries, and the aging population are driving market growth. The demand for biologics is particularly high in regions where burn injuries and chronic wounds are prevalent. Factors such as inadequate medical facilities and higher infection risks contribute to prolonged wound healing, further increasing the reliance on biologic treatments. Additionally, as the geriatric population grows, the need for effective wound healing solutions continues to rise due to the higher incidence of conditions such as pressure ulcers and diabetic foot ulcers. The market's expansion is also supported by advancements in biologic therapies that offer enhanced healing outcomes.

The market is segmented based on product type into skin substitutes and topical agents. The overall market was valued at USD 2.1 billion in 2023, with the skin substitutes segment leading at USD 1.4 billion in 2024. These products offer structural support and promote tissue regeneration in both chronic and acute wounds. Skin substitutes, derived from human, animal, or synthetic sources, reduce wound closure time and minimize infection risks, making them the preferred choice in treatment. The growing prevalence of chronic wounds is a key factor driving demand in this segment, as these biologics significantly enhance healing efficiency.

Based on wound type, the market is categorized into diabetic foot ulcers, venous leg

ulcers, pressure ulcers, surgical wounds, burns, and other wounds. The surgical wounds segment accounted for 27% of the total market revenue in 2024 and is projected to reach USD 877.5 million by 2034. The increasing need to prevent surgical site infections, accelerate post-surgical recovery, and enhance tissue regeneration is fueling the demand for biologic wound care products. The rising number of surgeries performed globally is further strengthening the market position of this segment, as biologics play a crucial role in reducing complications and improving patient outcomes.

The end-user segment consists of hospitals, ambulatory surgical centers, and other healthcare facilities. Hospitals dominated the market with a 43.8% revenue share in 2024, driven by the widespread adoption of biologic wound care solutions for managing complex wounds, including diabetic foot ulcers, burns, pressure ulcers, and post-surgical wounds. The increasing use of advanced skin substitutes, growth factor therapies, and collagen-based dressings is enhancing healing outcomes while lowering infection rates. The expansion of regenerative therapy services within hospitals further supports market growth.

The U.S. wound care biologics market has seen significant growth, with revenues rising from USD 730.8 million in 2023 to a projected USD 1.2 billion by 2034. The increasing burden of chronic wounds and a rising diabetic population contribute to this upward trend. The demand for advanced wound care solutions continues to escalate, reinforcing the role of biologics in modern wound management.

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