

North America Wound Closure Devices Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product (Sutures, Adhesives, Staplers, Strips, and Other Products), Wound Type (Chronic Wound and Acute Wound), and End User (Hospitals, Clinics, Ambulatory Surgery Centers, and Other End Users)

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Abstracts

The North America wound closure device market is projected to grow significantly, reaching an estimated US\$ 8,053.77 million by 2031, up from US\$ 5,421.11 million in 2024. This growth represents a compound annual growth rate (CAGR) of 5.9% from 2025 to 2031.

Executive Summary and Market Analysis

The North American wound closure devices market is divided into three primary regions: the United States, Canada, and Mexico. In 2024, the United States is expected to dominate the market, followed by Canada and Mexico. The anticipated growth in this market can be attributed to several factors, including rapid advancements in technology, increasing healthcare expenditures, a rise in surgical procedures, and a growing prevalence of chronic diseases that lead to chronic wounds.

Strategic Insights

Market Segmentation Analysis

The wound closure device market in North America can be segmented based on

product type, wound type, and end-use.

By Product: The market is categorized into sutures, adhesives, staplers, strips, and other devices. In 2024, the sutures segment is expected to hold the largest market share, reflecting their widespread use in various surgical procedures.

By Wound Type: The market is divided into chronic wounds and acute wounds. The chronic wound segment is anticipated to dominate the market in 2024, driven by the increasing incidence of conditions such as diabetes and pressure ulcers.

By End Use: The market is segmented into hospitals, clinics, ambulatory surgical centers, and others. Hospitals are projected to hold the largest share of the market in 2024, as they are the primary settings for surgical procedures requiring wound closure devices.

Market Outlook

According to the World Health Organization (WHO), over 300 million surgical procedures are performed globally each year. The International Society of Aesthetic Plastic Surgery (ISAPS) reported a 5.5% increase in surgical procedures in 2023, with plastic surgeons conducting over 15.8 million surgeries and non-surgical procedures totaling 19.1 million. This trend indicates a significant rise in surgical interventions, which is a key driver for the wound closure devices market.

The demand for surgical procedures is a major factor propelling the growth of the wound closure devices market. As the number of surgeries increases, so does the need for effective and efficient wound closure products. Surgical operations such as cesarean sections, orthopedic surgeries, and plastic surgeries require reliable wound closure methods to ensure proper healing and minimize complications.

Wound closure devices, including sutures, staples, and innovative adhesive strips, play a crucial role in achieving optimal surgical outcomes. They facilitate faster healing, reduce the risk of infection, and improve the cosmetic results of surgical procedures. The rising number of surgeries in both developed and developing countries, coupled with advancements in healthcare technology, is driving the demand for innovative wound closure solutions. Consequently, hospitals and specialty clinics are investing more in high-quality wound closure devices, further supporting market growth.

Country Insights

The North American wound closure device market is primarily composed of the United States, Canada, and Mexico, with the US holding the largest market share in 2024. The prevalence of diabetes is closely linked to the incidence of chronic wounds, as diabetic patients are particularly susceptible to conditions such as foot ulcers, venous ulcers, and pressure ulcers. According to the National Diabetes Statistics Report 2020 from the Centers for Disease Control and Prevention (CDC), approximately 34.2 million people in the US have diabetes, with around 1 million developing foot ulcers annually. This rising incidence of diabetes and associated chronic wounds is expected to drive demand for wound closure devices throughout the forecast period.

In response to the growing need for effective wound care management, companies in the US are expanding their operations through both organic growth and strategic acquisitions. For instance, in October 2021, Medline Industries announced a US\$ 77.5 million investment to establish a new distribution center in Kansas, highlighting the increasing demand for wound dressing solutions.

Company Profiles

Key players in the North American wound closure device market include Healthium Medtech Limited, Advanced Medical Solutions Group plc, Essity AB, Corza Medical GmbH, Futura Surgicare Pvt Ltd (Dolphin Sutures), TI Medical, Smith & Nephew Plc, CooperSurgical, Inc, Meril Life Sciences Pvt Ltd, Baxter International Inc, Stryker Corp, 3M Co, Medtronic Plc, Johnson & Johnson, and B Braun SE, among others. These companies are employing various strategies, including market expansion, product innovation, and mergers and acquisitions, to enhance their product offerings and increase their market share in the wound closure device sector.

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