

Advanced Wound Care Dressing Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trends, and Growth Opportunity Analysis Report Coverage: By Type (Foam Dressing, Alginate Dressing, Hydrocolloid Dressing, Film Dressing, Hydrogel Dressing, Collagen Dressing, and Others), Application (Heavy Exudated Wounds, Burns and Scalds, Ulcers/Bedsore/Cavity Wounds, Post-Operative Wounds and Injuries, and Others), End User (Hospitals and Clinics, Specialty Centers, Homecare Settings, and Others), and Geography (North America, Europe, Asia Pacific, Middle East & Africa, South & Central America)

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Abstracts

The advanced wound care dressing market size is expected to grow from US\$ 4.333 billion in 2022 to US\$ 6.629 billion by 2030; it is estimated to register a CAGR of 5.46% from 2022 to 2030. The growth of the market is attributed to the growing number of burn wounds, chronic diseases, and road accidents, which are contributing to the rising demand for surgical procedures. Increasing surgical procedures are, in turn, boosting the market growth. However, the high cost associated with advanced wound care dressings hinders the market growth.

Advanced wound dressings are designed to have biological activity either on their own or through the release of drugs incorporated within the dressing. These drugs can play

an active role in the wound healing process, either directly as cleansing or debriding agents for removing necrotic tissue or indirectly as antimicrobial drugs to prevent or treat infection or growth agents to aid tissue regeneration. These dressings are typically made of synthetic polymers and are classified into three categories: semi-occlusive, occlusive, and bioactive. Semi-permeable films and foams fall under the semi-occlusive category, while hydrocolloids and hydrogels are considered advanced interactive dressings. Bioactive wound dressings consist of tissue-engineered skin equivalents. When it comes to managing chronic wounds, where patients usually undergo long treatments and frequent dressing changes, a system that delivers drugs to the wound site in a controlled fashion can improve patient compliance and therapeutic outcomes.

Increasing surgical procedures Demanding for Wound Care Management Drive Advanced Wound Care Dressings Market.

The increasing prevalence of chronic diseases such as ulcerative colitis, cardiac arrest, cancer, and brain hemorrhage has led to a rise in the demand for surgical procedures. For instance, according to the Australian Institute of Health and Welfare (AIHW), in 2020-2021, cardiovascular disease was the reason behind the hospitalization of 600,000 people, representing 5.1% of all hospitalizations in Australia. Among these patients, 146,000 coronary angiography procedures were reported, out of which 97,200 (67%) were performed for males and 48,900 (33%) for females. Similarly, an article published by Eurostats in 2023 showed that in 2021, transluminal coronary angioplasty was one of the top ten surgical procedures performed in European countries. It was performed an average of 553 and 390 times per 100,000 inhabitants in Croatia and Germany, respectively.

Additionally, the growing prevalence of cancer, one of the chronic conditions that require surgical removal of tumors, is becoming a global health burden. According to the statistics provided by the National Center for Health Statistics (NCHS), in 2023, cancer resulted in 609,820 deaths, and 1,958,310 new cancer cases were reported in the US. Moreover, surgical procedures for burns and scald wounds and plastic surgeries for beauty enhancement are contributing to the growth of the advanced wound care market.

Market Trend

Expansion of Existing Technologies and Launch of New Innovations Emerges as Key Trend

Major market players in the advanced wound care dressing market are focusing on research and development activities, which has resulted in the product of novel innovations that are faster and more effective than traditional wound dressings. For instance, in March 2022, Cardinal Health launched its first surgical incise drape using industry-leading antiseptic Chlorhexidine Gluconate (CHG). The drape is equipped with Avery Dennison's patented BeneHold CHG adhesive technology, which reduces the risk of surgical site contamination by preventing the growth of organisms that typically cause surgical site infections (SSIs). The incise film is strong, conformable, and breathable, providing a sterile surface that acts as a barrier against contamination.

Application-Based Insights

Based on application, the global advanced wound care dressing market is segmented into Heavy Exudated Wounds, Burns & scald wounds, Ulcers/Bedsore/Cavity wounds, Post-Operative Surgery Wounds and Injuries, and Others. The heavy exudated wounds segment held the largest market share in 2022 and is anticipated to register the highest CAGR during 2022–2030. Exudate is referred to as the drainage that seeps out of wounds when it is in its initial stage. The body produces this liquid in response to tissue damage and indicates the severity of the wound. Successful exudate management is a vital part of wound management. Excessive amounts of exudate in the wound bed can cause problems like maceration of the peri-wound or denudation. In wounds that become infected, exudate levels often increase, and exudate can become viscous. These challenges can disrupt and delay the healing process, so it is important to take the necessary steps to ensure that the wound bed remains moist but not overly saturated. Wound dressings have different ways of handling fluids, such as absorption, gelling, retention, and moisture vapor transmission. Advanced wound dressings such as sodium alginate dressing, foam dressing, and hydrocolloid dressings are suitable dressings as they absorb the exudate, maintain moisture, and facilitate the wound healing process.

End User-Based Insights

In terms of end users, the advanced wound care dressing market is classified into hospitals & clinics, specialty centers, homecare, and others. The hospitals & clinics segment held a larger share of the market in 2022 and is anticipated to register a higher CAGR during 2022–2030. The hospitals are the primary healthcare centers that patients seek for first aid and chronic wound care management. The number of patients visiting hospitals is more than any other healthcare center. Apart from fee reimbursement, the

availability of medicines is quick in these healthcare centers. Therefore, the number of patients visiting hospitals for surgeries is higher.

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