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Disposable Surgical Devices Market Assessment, By Product Type [Surgical Instruments, Hypodermic Products, Non-Woven Medical Disposable Devices, Surgical Catheters, Wound Management Products, Others], By Application [Anesthesia, Urology, Gynecology, Cardiovascular, Orthopedic, Pediatrics, Oncology, Transfusion, Gastro-enterology, Wound Closure, Others], By End-user [Hospitals, Clinics, Ambulatory Surgical Centers, Research Organizations, Others], By Region, Opportunities and Forecast, 2017-2031F

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Abstracts

Global disposable surgical devices market size was valued at USD 5.94 billion in 2023, and is expected to reach USD 10.84 billion in 2031, with a CAGR of 7.8% for the forecast period between 2023 and 2031F. The global disposable surgical devices market is a fast-growing market. The disposable surgical devices market is driven by factors such as the increasing number of surgical procedures, preference for single-use disposable surgical devices, and post-COVID-19 awareness.

The increasing number of surgical procedures being performed across the globe due to reasons such as high number of road accidents and chronic diseases generate demand for more surgical devices. As more surgical procedures are being performed annually, the sales of disposable surgical devices are increasing significantly. Single-use or disposable surgical devices are preferred by healthcare providers as well as patients to ensure infection prevention and patient safety, further increasing the demand for

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disposable surgical devices. Additionally, the increasing awareness due to COVID-19 has increased the demand for disposable surgical devices and equipment like personal protective equipment (PPEs). However, growing medical wastage due to disposable surgical devices and the availability of non-invasive and alternative devices are some hindrances that negatively affect the global disposable surgical devices market.

For instance, in June 2023, Omnivision (a leading semiconductor solutions provider) launched the new ultra-thin medical-grade cable module, OVMed OCHTA, for single-use endoscopes which has widespread applications like spinal, utero-renal, neurological, ophthalmic, and cardiac procedures. In November 2022, Omnivision launched a square two-megapixel (1,500MP x 1,500MP) resolution OH02B image sensor for disposable and reusable endoscopes.

Increasing Number of Surgical Procedures

Surgical procedures are often used for emergency cases and in cases where medicine administration is insufficient. The growing number of cancer cases like oral cancer, throat cancer, and many others require surgical removal of cancerous tissues. Along with it, the high number of road accidents leading to surgical procedures and chronic diseases, such as cardiovascular diseases and gastrointestinal diseases, are driving the demand for disposable surgical devices. According to WHO, over 300 million surgical procedures are being performed each year, globally. In October 2023, as per The Hindu, the rate of surgeries in India is between 166 and 3,646 surgeries per 100,000 individuals, depending on the setting, population, and other factors while the population is about 1.4 billion.

Growing Preference for Single-Use Disposable Surgical Devices

Infection prevention and control are directly linked to patient safety and the subsequent use of medical equipment for surgical procedures. The use of disposable surgical devices eliminates the chances of infection, which drives the demand for these devices. As a result of post-COVID-19 awareness, healthcare professionals have an increasing preference for disposable surgical devices and PPEs to avoid any chance of infection. Patients undergoing surgeries prefer disposable devices for the same reason. With increasing preference for single-use disposable surgical devices, the market players are betting on new product launches. For instance, in June 2022, Ethicon, part of Johnson and Johnson MedTech, launched a next-generation ECHELON 3000 stapler for surgical use. ECHELON 3000 45mm and 60mm Staplers are sterile, single-patient-use

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instruments that cut and staple tissues simultaneously. The device is intended for transection, resection, and/or creation of anastomoses.

Surgical Instruments are Expected to Dominate the Market

The surgical instruments segment in global disposable surgical devices is expected to dominate during the forecast period. Surgical instruments like sutures, staplers, and electrosurgical devices are very commonly used in almost all kinds of surgeries. These instruments are used for sealing and closing wounds, cuts, and incisions after surgeries. The growing number of surgeries across the globe and increasing preference for disposable surgical devices to avoid hospital acquired infections is acting as a driver for the surgical instruments segment and maintaining the larger value share for the segment.

North America is Expected to Dominate the Market

With high investment in research and development activities, technological advancements by key players, and highly advanced healthcare infrastructure in countries, like the United States and Canada, the region is expected to dominate the market with the highest value share. Supportive government initiatives for managing the growing number of surgical procedures are embracing the growth of the market in the region. High disposable income and preference for single-use disposable surgical devices for the prevention of infections are contributing to the dominance of North America in the disposable surgical devices market.

Future Market Scenario

The growing emphasis on infection prevention and control by WHO and other regulatory agencies has significantly upsurged the popularity of disposable surgical devices. In May 2022, as per WHO’s first-ever global report on infection prevention and control, over 24% of patients are affected by healthcare-associated sepsis, and 52.3% of those patients die every year during their hospital stay. The awareness about healthcare-associated sepsis and infections is expected to increase the demand for disposable surgical devices in the forecast years. Various studies have suggested that reductions in surgical site infections and the need for corrective surgery have been associated with the adoption of disposable devices and instruments.

Key Players Landscape and Outlook

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Market players are expanding their product offerings and giving their customers access to a wide range of cutting-edge and novel products using a variety of strategies. To gain market share, companies are expanding the range of products being offered. Industry participants use a variety of growth strategies such as collaborations, mergers and acquisitions, product launches, and the development of new goods to bolster their positions in the market.

In June 2023, Arterex acquired NextPhase Medical Devices from Kidd & Company. Arterex is a medical device contract manufacturer while NextPhase Medical Devices is a subsidiary of Kidd & Company, a family office investment firm. NextPhase is a contract manufacturer of class II and III medical devices including complex electromechanical devices, active implantable devices, and single-use surgical disposables in North America. The acquisition increased the size of the organization by two-fold, creating a top-tier global medical device contract manufacturer with 70% of its revenues generated in the United States.

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Contents

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5. GLOBAL DISPOSABLE SURGICAL DEVICES MARKET OUTLOOK, BY REGION, 2017-2031F

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6. MARKET MAPPING, 2023

7. MACRO ENVIRONMENT AND INDUSTRY STRUCTURE

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