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Dental Suture Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

Market Report | 2023-01-23 | 119 pages | Mordor Intelligence

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Report description:

The dental suture market is expected to register a CAGR of 6.9 % over the forecast period (2022-2027).

The sudden outbreak of COVID-19 in 2020 has emerged as a pandemic. Due to the strict regulations, the hospital visits associated with dental treatments and other surgeries have decreased. The decreased visits to dental clinics and hospitals have been seen to aid the spread of the virus. This trend subsequently leads to a decrease in demand for dental surgeries, which has majorly affected the demand for dental sutures used for tissue closure in dental surgery. The data provided by the British Dental Association shows that in July 2020, out of 2,053 dentists, only 36% were ready to resume dental practices in the United Kingdom. Even though dental services resumed soon after the pandemic was controlled, fear among the target population and care providers regarding infection was persistent, which affected the market negatively. However, this market's downfall is estimated to be temporary because people needed root canals and other emergency procedures during the lockdown, and practices quickly adapted to the pandemic situation by safely providing emergency services.

The dental suture market is positively affected by an increase in demand for cosmetic dentistry and dental procedures, the increasing prevalence of dental disorders, and increasing dental tourism in emerging countries. These are a few major factors driving the growth of the studied market over the forecast period.

Even if Dental disorders and oral diseases are preventable, they cause a major health burden for many countries and affect people throughout their lifetime. The World Health Organization (WHO) data updated in March 2022 showed that oral diseases affect approximately 3.5 billion people, periodontal diseases, oral cancers, oro-dental trauma, cleft lip and palate, carries and noma are major burdens among other dental diseases. This increasing burden of diseases is expected to generate demand for dental surgeries, which will drive the demand for dental sutures. Hence, driving the growth of the studied market.

Additionally, For instance, as per a March 2020 update by the World Health Organization (WHO), it is estimated that oral diseases affect nearly 3.5 billion people globally, especially severe periodontal (gum) disease. Also, an article titled "Dental Tourism 2021: Get Cheaper Dental Implants and Veneers Abroad," published in Dentaly.org in December 2021, stated that dental implant tourism is a growing business attributed to cost savings. Therefore, this rise in demand for dental tourism worldwide is anticipated to boost dental surgeries' growth and drive dental suture demand. This trend is expected to positively impact the growth of the studied market over the forecast period.

Therefore, owing to the abovementioned growth factors, the studied market is anticipated to grow over the forecast period.

Dental Suture Market Trends

Synthetic Material Segment is Expected to Grow Over the Forecast Period

The synthetic material by segment is expected to dominate the market over the forecast period, among other segments.

The synthetic suture is popular among surgeons due to its high tensile strength, low tissue reactivity, and good elasticity. It is one of dentistry's most commonly used suture materials due to its advantages. Polyglycolic acid (PGA) is a widely used synthetic suture with good tensile strength, bacterial growth inhibition, mild tissue reaction, and resorption rate.

According to an article published in February 2020, titled "Suture Selection for Wounds in the Oral Cavity", Poliglecaprone (example: Securocryl, Monocryl) is one of the most preferred suture materials for the oral cavity due to its advantages such as it has less tissue drag, less tissue reactivity and is rapidly absorbed compared to many other absorbable sutures.

In addition, the article "Oral Surgery Suturing," published in January 2022, mentioned that the most common synthetic resorbable suture material used for dental surgery is made from polyglycolic acid (PGA) and digested by hydrolysis. It takes 21 to 28 days in the intraoral environment. Polydioxanone is also a synthetic resorbable material commonly used to close the dermis. It is a monofilament that holds 70% of its tensile strength for two weeks. Therefore, as mentioned in the above research articles, synthetic materials like PGA and polydioxanone are common in dental surgeries. Hence, the demand for synthetic materials will rise over the forecast period.

Therefore, owing to the factors mentioned above, the synthetic material segment is poised to witness growth over the forecast period.

North America is Expected to Dominate the Market Over the Forecast Period

North America is expected to grow the dental suture market over the forecast period owing to the presence of major regional players and the increasing aging population. The presence of novel and innovative treatment technology and devices is expected to create opportunities for dental surgeries, proportionally driving the demand for the studied market in the region.

The "United Health Foundation -2021 Annual Report" shows that 1 in 4 adults has untreated cavities, and nearly half of adults ages 30 and older have signs of gum disease in the United States. Adults of age 25 and older having an income less than USD 25,000 compared with those with higher incomes are mostly affected by oral diseases, as per the source mentioned above. This prevalence of oral disease and gum disease is expected to rise in demand for dental surgeries for treatment and care. Hence, it is anticipated to drive the growth of the dental suture in the country.

Additionally, according to the United States Centers for Disease Control and Prevention (CDC) data updated in February 2022, about one-third of Americans have untreated tooth decay and poor dental health. This trend is directly linked to heart problems and other health concerns. Therefore, increasing dental problems may augment the market for dental surgeries, followed by an increase in demand for dental sutures in North America.

Therefore, owing to the aforementioned factors, North America is expected to grow significantly over the forecast period.

Dental Suture Market Competitor Analysis

In the current scenario, the increasing number of mergers and acquisitions among market players is fueling the dental suture market. The competitive landscape analyzes the various business growth strategies adopted by the industry players, which drives the market value. The major players in the market are engaged in product development and strategic alliances to strategically cater to the growing global demand for the market and gain a robust place in the market. The studied market consists of several international companies which hold most of the market shares, including Mani, Inc., HYGITECH, SMI, Theragenics (CP Medical), DemeTECH Corporation, Osteogenics Biomedical, Lux Suture, Sutumed, Weigao Group, and Katsan Medical Devices, among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

Table of Contents:

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