

## **Global Dental Liners And Bases - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029**

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### **Report description:**

The dental liners and bases market is expected to register a CAGR of 4.5% over the forecast period.

The outbreak of the COVID-19 pandemic adversely impacted the global dental liners and bases market initially. The postponement of dental treatments during the initial days of the pandemic has declined the demand for dental liners and bases. For instance, according to the research article published in February 2021, NHS dental patients faced significant delays in receiving treatment, with some appointments canceled as dentists were unable to provide care without adequate personal protective equipment (PPE). The same source also reported that patients had to wait anywhere for months for an appointment during the pandemic. However, to overcome such a situation some major steps were also taken by the government. For instance, as per the NHS report published in February 2021, despite the pandemic, millions of people received dental treatment during the later phase of the pandemic and the NHS also established more than 650 emergency dental centers so that patients can access a dentist when needed. Thus, although the market witnessed an adverse impact in the initial days, it gained traction during the later phase of the pandemic and is expected to maintain an upward trend over the forecast period.

The increasing cases of dental caries and other dental diseases such as periodontal gum diseases across the globe and rising awareness towards oral health are the major drivers for the market growth. For instance, according to the World Health Organization (WHO) report published in March 2023, more than 3.5 billion people suffer from oral diseases worldwide. The same source also stated that more than 2.0 billion people and 515 million children suffer from caries of permanent teeth across the globe.

The prevalence of major oral diseases is expected to increase continuously around the globe due to increasing urbanization and lifestyle changes. This is mainly due to insufficient exposure to fluoride, the availability and affordability of foods high in sugar,

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and poor access to oral care services. Furthermore, according to the data published by the Centers for Disease Control and Prevention (CDC) in November 2022, more than 1 in 4 (26.0%) adults in the United States had untreated tooth decay. The same source also stated that around half (46.0%) of all adults age 30 or older experience gum disease and severe gum disease affects around 9.0% of adults in the United States. Dental liners and bases are widely used to improve the results of dental caries treatment and several dental restoration procedures. Thus, increasing cases of dental carriers and other dental diseases are expected to increase the demand for dental liners and bases, thereby propelling the market growth over the forecast period.

In addition, various campaigns related to oral health to increase awareness of oral health due to the rising number of oral diseases across the globe are also anticipated to propel market growth. For instance, in September 2022, the Ministry of Public Health (MoPH), in collaboration with Hamad Medical Corporation (HMC) and Primary Health Care Corporation (PHCC) organized a National Oral Health Campaign throughout September, focusing on oral and dental injuries during sports. The activities include screening an awareness video in stadiums about oral and dental injuries, publishing leaflets on oral and dental health in general, and oral and dental injuries during sports. Thus, such initiatives may create awareness regarding oral health among the general population and may encourage people to opt for consultations at the initial stage of dental conditions. Furthermore, increasing cases of oral diseases across the globe are also anticipated to boost the demand for dental liners and bases. For instance, according to data published by American Dental Association, in November 2022, the global cases of oral diseases have increased by 1.0 billion over the last 30 years. Thus, such instances are expected to positively impact the market growth over the forecast period.

Furthermore, the product launches by the key players are also likely to drive market growth. For instance, in March 2023, Prodways introduced its new Provivic denture base resin for 3D printing of full and partial denture bases. The new resin is adapted for use on Prodways' ProMaker LD-series printers that feature patented MOVINGLight technology. Similarly, in November 2021, Prevest DenPro launched three new products, CalUltra - Calcium Hydroxide Cavity Liners, CalApex - Root Canal Sealer, and Fusion Crysta Orthodontic Adhesive Kit. Therefore, owing to such product launches, considerable market growth is expected over the forecast period.

However, side effects associated with the materials used for the development of dental liners and bases may hinder market growth.

## Global Dental Liners And Bases Market Trends

### Zinc Oxide Eugenol Segment is Expected to Show Healthy Growth Over the Forecast Period

Zinc oxide eugenol cements are mixtures of zinc oxide (powder) and eugenol (liquid). They are mainly used as a lining or base under amalgam restorations and as temporary luting cement or filling material. The zinc oxide eugenol filling material is reinforced with an acrylic resin to give excellent strength and to withstand condensation forces. The zinc oxide eugenol material is better tolerated by the tissue than other dental materials. As they reduce pain and are bacteriostatic and antiseptic, they are well tolerated by patients. This material is a good insulator and has better-sealing properties than other types of cement. Recently, a new reinforced zinc oxide eugenol cement containing ethoxybenzoic acid (EBA) has been developed to overcome the shortcomings of traditional cement. This new cements have significantly better mechanical properties and are therefore used for cement substrates, indirect backfills, long-term temporary fillings, and, in selected cases, as definitive fixation types of cement. Hence, the advantages associated with zinc oxide eugenol are contributing to the segment's growth.

Additionally, according to the NCBI study published in September 2021, zinc oxide eugenol sealers is considered as a popular sealer among dentists and patients because of their slow set, low cost, antibacterial properties, and easy usability. Similarly, according to the ScienceDirect study published in August 2021, zinc oxide eugenol also offers non-irritability to tissue and has microleakage-preventing capability. Thus, owing to such advantages the demand for the zinc oxide eugenol is expected to

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increase, thereby boosting the segment growth over the forecast period.

## North America is Expected to Witness Considerable Growth Over the Forecast Period

The North American region is expected to witness considerable growth over the forecast period owing to several factors such as increasing cases of dental diseases in the region and rising awareness towards oral hygiene. For instance, according to the NCBI study published in February 2022, around 57.0% of children aged 6-11 years old were infected with early childhood caries and around 24.0% of all children have damaged permanent teeth related to caries in 2021. Children experiencing early childhood caries experience difficulty in eating, and speaking, and suffer from pain that can lead to difficulty sleeping. Early childhood caries also represent a burden to the healthcare system costing around USD 21.2 million annually to treat affected patients. Dental liners and bases are one of the essential requirements for the treatment of such conditions. Therefore, such instances indicate that the demand for dental liners and bases is expected to rise, thereby propelling market growth in the North American region.

The United States is expected to witness considerable growth in the North American region. The rising cases of dental caries in the country are one of the major factors propelling the market growth. For instance, according to the journal published by the Express Dentist in January 2022, 18.0% and 5.0% of the children of age 2-5 years suffers from caries and have untreated caries respectively, 45.0% and 15.0% of children of age 6-11 years suffers from caries and have untreated caries respectively and 54.0% and 13.0% of children age 12-19 years suffers from caries and have untreated caries respectively, and 43.0% and 13.0% of children aged 2-19 years suffers from caries and untreated caries respectively. Therefore, owing to such a high prevalence of dental caries in the country, considerable market growth is anticipated.

Therefore, owing to the abovementioned factors, healthy market growth is expected in the North American region over the forecast period.

## Global Dental Liners And Bases Industry Overview

The dental liners and bases market is consolidated in terms of competition and consists of several major players. The competitive landscape includes an analysis of a few international as well as local companies which hold the market shares and are well known include 3M Company, Envista Holdings Corporation (Kerr Corporation), GC Corporation, and Dentsply Sirona Inc. among others.

Additional Benefits:

- <ul> <li> The market estimate (ME) sheet in Excel format </li>
- <li> 3 months of analyst support </li> </ul>

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