

Dental Simulator Market Size, Share & Trends Analysis Report By Component (Hardware, Software), By Application (Dental Training & Education, Treatment Planning), By End-use, By Region, And Segment Forecasts, 2022 - 2030

<https://marketpublishers.com/r/D8B8A2A6CAB8EN.html>

Date: August 2022

Pages: 140

Price: US\$ 5,950.00 (Single User License)

ID: D8B8A2A6CAB8EN

Abstracts

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Dental Simulator Market Growth & Trends

The global dental simulator market size is expected to reach USD 699.5 million by 2030, according to a new report by Grand View Research, Inc. The industry is anticipated to grow at a lucrative CAGR of 9.44% from 2022 to 2030. The growing demand for simulation technologies in education & training is one of the major factors augmenting the industry growth. In addition, the rising awareness in developing countries regarding dental simulators for enhanced treatment outcomes and training applications is also boosting the growth. To curb the spread of the COVID-19 infection, the governments of various countries declared complete lockdowns and travel restrictions, thereby halting the majority of dental procedures and dental education practices. The effect of the pandemic on delivering restorative dentistry and other practical courses was tremendous.

Hence, dental schools adopted digital teaching platforms using simulation technologies incorporated with haptic responses, and Virtual Reality (VR) & Augmented Reality (AR). These enabled students to quarantine themselves and the instructors to safely provide remote teaching facilities. However, the supply chain of dental simulator hardware was restricted during the initial stages of the pandemic impacting the business of major players. A wide scope of applications of dental simulators in the field of endodontics,

periodontics, prosthodontics, orthodontics, implantology, oral & maxillofacial surgery, and dental radiology is boosting their importance and usage in dental schools. Dental simulators facilitate an individualized and personalized learning experience with extensive repetition for students to improve their training.

It also has features to record, store, and review with feedback options that allow self-training. Moreover, dental simulators reduce the cost spent by dental schools for cadavers, further increasing the convenience and compatibility for students to use simulators for training. Key players in the industry are implementing various strategic initiatives, such as acquisitions, mergers, partnerships, and hardware & software launches, among others to maintain a competitive edge. For instance, in January 2022, Dentsply Sirona announced its partnership with the University of Toulouse in France, to introduce the company's simulation units as preclinical laboratory equipment. Similarly, companies are launching advanced products to aid dental simulation training with ease. For instance, in August 2019, HRV Simulation combined VR headsets with haptic feedback technology in dental training simulators to train dental students more realistically.

Dental Simulator Market Report Highlights

The hardware segment accounted for the largest revenue share in 2021 owing to the large number of simulators launched by key players. In addition, the advancing features, such as human-like texture with conversion capabilities and simulating patient's accidents & reactions during treatment are boosting the growth

The dental training & education application segment accounted for a significant revenue share in 2021 as dental schools across the world are highly considering the implementation of simulator units as it enables infection-free and effective training modules

The dental school end-use segment also held a significant share in 2021 owing to the growing number of dental schools in developing countries with better simulation training infrastructure. In addition, the increasing number of dental graduate applicants globally is widening the requirement for dental simulators in training schools due to the shortage of cadaver models

North America accounted for the largest share in 2021 owing to technological advancements to implement advanced simulation dental units and the presence

of key players in the region

The industry is fairly competitive owing to the presence of major players. Various strategic initiatives, such as acquisitions, collaborations, product launches, and partnerships, implemented by companies are greatly contributing to the market growth

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