Dental Simulator - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

https://marketpublishers.com/r/DE846077044FEN.html

Date: July 2024
Pages: 105
Price: US$ 4,750.00 (Single User License)
ID: DE846077044FEN

Abstracts

The Dental Simulator Market size is estimated at USD 433.90 million in 2024, and is expected to reach USD 654.20 million by 2029, growing at a CAGR of 8.60% during the forecast period (2024-2029).

The dental simulator market is experiencing notable growth owing to various technological advancements. Modern advancements in dentistry have significantly impacted the progress and practice of dentistry. Augmented reality (AR) and virtual reality (VR) are becoming increasingly common in modern dentistry because of their impact on changing the patient's experience. Clinicians can use VR technology to show their patients the expected outcomes before they undergo dental procedures. Additionally, AR and VR can be implemented to overcome dental phobia, which pediatric patients commonly experience. The COVID-19 pandemic forced several dental schools and institutes to change their traditional teaching methods to an alternate teaching mode, which became a significant driving factor for the dental simulator market. It resulted in the development of new techniques that led to product launches. For instance, in October 2023, Dentsply Sirona launched the SureSmile Simulator, an application within DS Core that is designed to support patient conversations about the benefits of SureSmile Aligner Treatment by showing the expected outcome even before the start of the therapy.

The rising technological advancement and increasing number of dental schools and institutes are among the significant factors driving the growth of the dental simulator market. Cutting-edge technology permeates dentistry, and practitioners are increasingly adopting innovative solutions to enhance patient care and treatment outcomes. The commonly used traditional digital technologies use a digital scanner to obtain a digital image. The image is then used to modify the different dental aspects of the patients.

Finally, the modifications are transferred to the digital wax-up. However, VR takes laser scans of the patient's teeth and other required oral and extraoral structures. The scans are fed into a computer that forms a 3D model of the same, which is then loaded into a simulator. The surgeon/students can practice using this simulator and perform evaluations before the procedure is performed on a real patient.

Due to the increasing acceptance of dental simulator products, there is a rise in the development of advanced complementary products as well. For instance, in January 2024, Align Technology Inc. launched the iTero Lumina intraoral scanner, consisting of an approximately three times wider field of capture in a 50% smaller and 45% lighter wand. The new scanner is anticipated to complement the Exocad CAD/CAM software for digital orthodontics and restorative dentistry. Such innovations have not only improved treatment outcomes but have also enhanced the overall patient experience.

The increasing number of dental education programs is a major driving factor for the market's growth. The expansion of such programs creates a parallel demand for advanced training tools and equipment, including dental simulators. Dental simulators play a crucial role in practical training scenarios, allowing students to refine their skills in a controlled environment. According to the Commission on Dental Accreditation dental education program enrollment and graduates trends report, 2023-24, published in March 2024, there was a 9.1% increase in the number of accredited predoctoral dental education programs in the US in 2023 compared to 2019. For advanced programs, the increase was 0.7%. Such growth in accredited programs indicates the rising interest in such programs, which is anticipated to boost the application of these simulators for training the students enrolling in these programs.

Rising technological advancements and an increasing number of dental programs are driving the market's growth. However, the increasing investment cost is restraining the dental simulator market's growth.

Dental Simulator Market Trends

The Hardware Segment is Expected to Witness Significant Growth Over the Forecast Period

Hardware, comprising physical devices and equipment, is central to the dental simulation process and influences diagnostic precision and treatment efficacy. Dental professionals prioritize tangible tools, such as simulation units, which enable realistic training scenarios and procedural practice. Additionally, advancements in hardware

The durability and longevity of hardware components make them a sustainable investment for dental facilities, leading to widespread adoption. The physicality of dental professionals solidifies their position as an integral component of dental practices. frasaco GmbH, KaVo Dental, NISSIN DENTAL PRODUCTS INC., and Dentsply Sirona are some of the major manufacturers that offer hardware for the dental simulation market.

Integrating artificial intelligence (AI) algorithms within dental simulation hardware has significantly contributed to its effectiveness. AI-driven simulation can adapt to individual learning styles, provide personalized feedback, and track progress over time. This intelligent functionality enhances the efficiency of dental education and training, making it a valuable asset in dental institutions and professional development programs. Collaborative learning environments further influence the dominance of the hardware segment in dental simulation. Multi-user hardware setups enable dental teams to engage in a collaborative simulation, facilitating communication and teamwork among practitioners, enhancing the overall learning experience, and preparing a dental professional for effective interdisciplinary collaboration in real-world clinical settings.

Therefore, technological advancement, durability, and longevity of the component are some of the key factors expected to drive the segment's growth over the forecast period.

North America is Expected to Dominate the Dental Simulator Market

North America is expected to dominate the market as dental professionals in the region are more inclined to invest in cutting-edge equipment to enhance patient care and stay at the forefront of dental practices. In July 2023, according to The Elite Practice, the Canada Digital Adoption Program (CDAP) announced that it would provide USD 4 billion in total funding to help small- to medium-sized businesses embrace digital transformation.

A rise in dental tourism and a well-established healthcare infrastructure further

contribute to market growth. According to PlacidWay, LLC, Mexico and Costa Rica are the cheapest and best countries for dental tourism in the world, where a patient can receive affordable prices for the same dental treatments compared to the other countries.

Moreover, the region serves as a hub for innovation, with companies continuously pushing the boundaries of simulation technology. The proactive approach of regulatory bodies in ensuring product quality and patient safety enhances the credibility of dental simulators in the region, and the presence of leading manufacturers and research institutions further influences market growth.

Therefore, the inclination to invest in cutting-edge equipment to enhance patient care, stay at the forefront of dental practice, and rise in dental tourism are factors expected to drive the market's growth over the forecast period.

Dental Simulator Industry Overview

The dental simulator market is moderately consolidated due to a few companies commanding significant market share. The competitive landscape includes an analysis of a few international and local companies that hold substantial market share and are well known, including Dentsply Sirona, NISSIN DENTAL PRODUCTS INC., KaVo Dental, 3Shape A/S, and HRV Simulation.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

Contents

I would like to order

Product name:	Dental Simulator - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)
Product link:	https://marketpublishers.com/r/DE846077044FEN.html
Price:	US$ 4,750.00 (Single User License / Electronic Delivery)
	If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
	info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/DE846077044FEN.html