

Preoperative Surgical Planning Software Market Report by Type (Off-premises Software, On-premises), Application (Orthopedic Surgery, Neurosurgery, Dental & Orthodontics Application, and Others), End User (Hospitals, Ambulatory Surgical Centers, and Others), and Region 2024-2032

<https://marketpublishers.com/r/P2D6C71DFEDFEN.html>

Date: March 2024

Pages: 140

Price: US\$ 3,899.00 (Single User License)

ID: P2D6C71DFEDFEN

Abstracts

The global preoperative surgical planning software market size reached US\$ 267.1 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 1,746.8 Million by 2032, exhibiting a growth rate (CAGR) of 22.51% during 2024-2032.

Preoperative surgical planning software refers to an application that involves preparation, defining the expected outcome, and analyzing bone segment repositioning during knee, hip, and joint reconstruction surgeries. It creates digitally accurate data and stores it in the cloud server, allowing easy access to surgeons before surgery. It involves various technologically advanced equipment required for primary and revision arthroplasty, trauma, deformity, pediatrics, and spine. Besides this, the software assists in three-dimensional (3D) reconstruction and reducing complications, facilitating surgeons in making only necessary bone cuts and reducing blood loss during operation. As a result, preoperative surgical planning software is used across the globe.

Preoperative Surgical Planning Software Market Trends:

The growing global population, which is more susceptible to several chronic cardiovascular disorders, arthritis, and orthopedic impairment, represents one of the key factors positively influencing the market. In addition, the rising prevalence of sports injuries and road accidents is catalyzing the demand for preoperative surgical planning software around the world. Apart from this, the increasing number of surgeries, along

with shifting consumer preference toward minimally invasive surgeries (MIS), is strengthening the market growth. In line with this, the expansion of hospitals, surgical centers, and ambulatory care centers (ACCs) is creating a positive market outlook. Furthermore, significant improvement in healthcare infrastructure, coupled with the introduction of various advanced technologies in the industry, is contributing to market growth. Additionally, rising awareness among individuals about the benefits of early diagnosis and treatment of orthopedic disorders is offering lucrative growth opportunities to manufacturers. Moreover, various leading preoperative surgical planning software providers are focusing on integrating cloud-based interfaces, which is expected to propel the market growth in the coming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global preoperative surgical planning software market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type application and end user.

Breakup by Type:

- Off-premises Software
- On-premises

Breakup by Application:

- Orthopedic Surgery
- General Orthopedic Surgery
- Deformity Correction
- Fracture Management
- Joint Reconstruction
- Neurosurgery
- Dental & Orthodontics Application
- Others

Breakup by End User:

- Hospitals
- Ambulatory Surgical Centers
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Brainlab AG, EchoPixel Inc., General Electric Company, Materialise NV, mediCAD Hectec GmbH, Nemotec, Peek Health S.A., Renishaw plc, Stryker Corporation and Zimmer Biomet. Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global preoperative surgical planning software market in 2023?

2. What is the expected growth rate of the global preoperative surgical planning software market during 2024-2032?
3. What are the key factors driving the global preoperative surgical planning software market?
4. What has been the impact of COVID-19 on the global preoperative surgical planning software market?
5. What is the breakup of the global preoperative surgical planning software market based on the type?
6. What is the breakup of the global preoperative surgical planning software market based on the application?
7. What is the breakup of the global preoperative surgical planning software market based on the end user?
8. What are the key regions in the global preoperative surgical planning software market?
9. Who are the key players/companies in the global preoperative surgical planning software market?

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