

# **Middle East & Africa Orthopedic Navigation Systems Market Forecast to 2030 - Regional Analysis - by Technology (Electromagnetic, Optical, and Others), Application (Knee, Hip, Spine, and Others), and End User (Hospitals, Ambulatory Surgical Centers, and Others)**

<https://marketpublishers.com/r/M3242F2CF698EN.html>

Date: April 2024

Pages: 77

Price: US\$ 3,550.00 (Single User License)

ID: M3242F2CF698EN

## **Abstracts**

The Middle East & Africa orthopedic navigation systems market was valued at US\$ 121.07 million in 2022 and is expected to reach US\$ 322.35 million by 2030; it is estimated to register a CAGR of 13.0% from 2022 to 2030.

### **Growing Advantages of Computer-Assisted Orthopedic Surgeries Drive Middle East & Africa Orthopedic Navigation Systems Market**

According to an article titled "Computer-assisted preoperative planning of bone fracture fixation surgery" published in the National Library of Medicine in October 2022, bone fracture fixation surgery is known to be one of the most commonly performed surgical procedures in the orthopedic field. The source stated that computer-assisted surgical techniques have been developed in recent years. The techniques are helpful in the preoperative planning of bone fracture fixation operations.

Benefits of computer-assisted surgery (CAS) such as low blood loss, short hospital stays, and easy rehabilitation propel its demand. CAS is instrumental in precise alignment of the implant. It provides improved functionality, improves quality-adjusted lifespan, causes less pain and tissue damage, and can lead to fewer complications. Surgical navigation allows surgeons to develop detailed clinical plans for joint replacements and spinal procedures. The platforms provide computer-aided

measurements from individual patients' preoperative computerized tomography (CT) scans to help surgeons provide personalized surgical care. Thus, advantages of computer-assisted orthopedic surgeries drive the orthopedic navigation systems market growth.

## Middle East & Africa Orthopedic Navigation Systems Market Overview

The Middle East & Africa orthopedic navigation system market is segmented into Saudi Arabia, the UAE, South Africa, and the Rest of Middle East & Africa. The regional market growth is attributed to factors such as significant developments in healthcare facilities and geographical expansion of market players. Moreover, there is a growing prevalence of osteoporosis and spinal disorders. Increasing investments in the healthcare sector from several private institutions boosts the orthopedic navigation system market growth in the Middle East & Africa.

Furthermore, the increase in cases of motor vehicle accidents (MVAs) in Saudi Arabia leads to a rise in cases of spinal fractures in the country, which, in turn, bolsters the growth of the orthopedic navigation system market in Saudi Arabia. According to the study on "Association between orthopedic fractures and traumatic spinal injury due to road traffic accidents" published by the European Review for Medical and Pharmacological Sciences, in 2021, ~80% of total spinal injury (TSI) cases were caused due to MVA in Saudi Arabia, with the highest TSI rate across the world.

## Middle East & Africa Orthopedic Navigation Systems Market Revenue and Forecast to 2030 (US\$ Million)

### Middle East & Africa Orthopedic Navigation Systems Market Segmentation

The Middle East & Africa orthopedic navigation systems market is segmented based on technology, application, end user, and country.

Based on technology, the Middle East & Africa orthopedic navigation systems market is segmented into electromagnetic, optical, and others. The electromagnetic segment held the largest share in 2022.

Based on application, the Middle East & Africa orthopedic navigation systems market is segmented into knee, hip, spine, and others. The knee segment held the largest share in 2022.

Based on end user, the Middle East & Africa orthopedic navigation systems market is segmented into membrane hospitals, ambulatory surgical centers, and others. The hospitals segment held the largest share in 2022.

Based on country, the Middle East & Africa orthopedic navigation systems market is categorized into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa orthopedic navigation systems market in 2022.

Smith & Nephew Plc, Siemens Healthineers AG, B Braun SE, Stryker Corp, Medtronic Plc, Zimmer Biomet Holdings Inc, and Metronor AS are some of the leading companies operating in the Middle East & Africa orthopedic navigation systems market.

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