

# **Middle East & Africa Deep Brain Simulation Market Forecast to 2030 - Regional Analysis - by Product (Single Channel Deep Brain Stimulator, Dual Channel Deep Brain Stimulator, and Software and Accessories), Application (Parkinson's Disease, Tremor, Dystonia, Epilepsy, Alzheimer's Disease, and Others), and End User (Hospitals, Neurology Clinics, Ambulatory Surgical Centers, and Others)**

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## **Abstracts**

The Middle East & Africa deep brain simulation market is expected to grow from US\$ 25.64 million in 2022 to US\$ 46.72 million by 2030. It is estimated to grow at a CAGR of 7.8% from 2022 to 2030.

Growing Research and Development Activities Drive Middle East & Africa Deep Brain Simulation Market

Robotic implantation, multi-target stimulation, improved microelectrode designs, rechargeable pulse generators, and personalized, targeted programming are among the technological advancements in deep brain stimulation (DBS). Owing to these advancements, DBS devices show fewer side effects and improved efficacy and symptom relief in Parkinson's patients compared to traditional methods. Abbott's Infinity Deep Brain Stimulation System is a technologically advanced new DBS that helps the patients manage their symptoms. It is the first wireless iOS software DBS mobile platform that has offered efficient and personalized therapy management with reduced risk of side effects. Therefore, technological advancements in DBS are expected to create opportunities for the global deep brain stimulation market during the forecast period.

Middle East & Africa Deep Brain Simulation Market Overview

As per an article published in the Journal of Family Medicine and Primary Care, titled "Public knowledge and awareness about Parkinson's disease in Saudi Arabia," the prevalence of PD in Saudi Arabia has been estimated to be 27 per 100,000 population. According to United Nations Population Fund Report 2021, Saudi Arabia is undergoing a demographic transition as the number of persons aged 60 and above is expected to increase from 2 million (5.9% of the total population) in 2020 to 10.5 million (23.7%) by 2050. The prevalence rate of neurological diseases is high among older adults, affecting 5-55% of people aged 55 and older. They are prone to adverse health outcomes, including mortality, disability, institutionalization, and hospitalization, as DBS is the most commonly performed surgical treatment for Parkinson's. Thus, the growing aging population and rising prevalence of PD are expected to boost the deep brain stimulator market in Saudi Arabia during the forecast period.

Middle East & Africa Deep Brain Simulation Market Revenue and Forecast to 2030 (US\$ Million)

Middle East & Africa Deep Brain Simulation Market Segmentation

The Middle East & Africa deep brain simulation market is segmented into product, application, end user, and country.

Based on product, the Middle East & Africa deep brain simulation market is segmented into single channel deep brain stimulator, dual channel deep brain stimulator, and software and accessories. In 2022, the dual channel deep brain stimulator segment registered the largest share in the Middle East & Africa deep brain simulation market. Based on application, the Middle East & Africa deep brain simulation market is segmented into Parkinson's disease, tremor, dystonia, epilepsy, Alzheimer's disease, and others. In 2022, the Parkinson's disease segment registered the largest share in the Middle East & Africa deep brain simulation market.

Based on end user, the Middle East & Africa deep brain simulation market is segmented into hospitals, neurology clinics, ambulatory surgical centers, and others. In 2022, the hospitals segment registered the largest share in the Middle East & Africa deep brain simulation market.

Based on country, the Middle East & Africa deep brain simulation market is segmented into Saudi Arabia, South Africa, the UAE, and the Rest of Middle East & Africa. In 2022, Saudi Arabia registered the largest share in the Middle East & Africa deep brain simulation market.

Abbott, Medtronic, Boston Sci, and Aleva Neurotherapeutics SA are some of the leading companies operating in the Middle East & Africa deep brain simulation market.

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