

Middle East & Africa Structural Heart Market Forecast to 2028 - Regional Analysis - by Product (Occluders, Annuloplasty Rings, Heart Valve Balloons, and Others), Procedure (Heart Valve Stenosis, Heart Valve Regurgitation, and Left Atrial Appendage Closure), and End User (Hospitals, Ambulatory Surgical Centers, and Cardiac Centers)

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Abstracts

The Middle East & Africa structural heart market is expected to grow from US\$ 643.90 million in 2022 to US\$ 927.25 million by 2028. It is estimated to grow at a CAGR of 6.3% from 2022 to 2028.

Growing Use of Artificial Intelligence in Structural Heart Fuel Middle East & Africa Structural Heart Market

The number of interventional structural heart disease (SHD) procedures, such as transcatheter valve procedures, has increased significantly in recent years, triggering the need for well-founded knowledge about optimal anatomical spatial orientation during these procedures. This has led to the development of new procedural capabilities and technologies in periprocedural planning. Hybrid fusion imaging (FI) combines multiple imaging modalities, mainly based on multislice spiral computed tomography (MSCT) and echocardiography, with fluoroscopy. Ongoing developments in machine learning and artificial intelligence (AI) facilitate the routine use of individualized segmented 3D heart models that allow for multiple combinations of different imaging modalities. As AI enables computers to perform tasks at a greater speed and with potentially better precision than humans, risk stratification and outcome aspects can be optimized in the future. The application of computer modeling, 3D printing, and AI has already led to

transformations in procedure planning and physician education on SHD. These technologies also promise unlimited possibilities. With further research and development, AI can advance precision medicine at every step, including diagnosis, treatment stratification and device selection, procedure delivery and guidance, and post-procedure/discharge monitoring and rehabilitation. The prevalence of cardiovascular diseases is rising worldwide. The structural heart market is at the initial stage of development in regions such as the Middle East and Africa.

Most of the people in this region chew or smoke tobacco, and the incidence of structural heart disease is increasing in this region. According to the American Heart, cardiovascular diseases caused ~19.1 million deaths worldwide in 2020. Thus, with the rising incidence of structural heart diseases in the abovementioned regions, the market players are likely to grab significant opportunities to offer effective products.

Middle East & Africa Structural Heart Market Overview

The Middle East & Africa structural heart market is estimated to grow at a CAGR of 6.3% from 2022 to 2028. Key factors driving the market growth are availability of innovative structural heart services and rise in the number of cardiovascular diseases and training programs. However, high cost of procedure followed by stringent regulations regarding structure heart device are the major factors hampering the growth of the market.

Middle East & Africa Structural heart Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Structural Heart Market Segmentation

The Middle East & Africa structural heart market is segmented into product, procedure, end user, and country.

Based on product, the Middle East & Africa structural heart market is segmented into occluders, annuloplasty rings, heart valve balloons, and others. The occluders segment held the largest share of the Middle East & Africa structural heart market in 2022.

Based on procedure, the Middle East & Africa structural heart market is segmented into heart valve stenosis, heart valve regurgitation, and left atrial appendage closure. The heart valve stenosis segment held the largest share of the Middle East & Africa structural heart market in 2022.

Based on end user, the Middle East & Africa Structural heart market is segmented into hospitals, ambulatory surgical centers, and others. The hospitals segment held the largest share of the Middle East & Africa structural heart market in 2022.

Based on country, the Middle East & Africa structural heart market is segmented into the Saudi Arabia, the UAE, South Africa, and the Rest of Middle East & Africa. Saudi Arabia dominated the Middle East & Africa structural heart market in 2022.

Abbott Laboratories, Medtronic Plc, Boston Scientific Corp, Artivion Inc, and Edwards Lifesciences Corp are some of the leading companies operating in the Middle East & Africa structural heart market.

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