

Middle East & Africa Cold Laser Therapy Market Size and Forecast (2021 - 2031)

<https://marketpublishers.com/r/M9C9A63B6C83EN.html>

Date: April 2026

Pages: 158

Price: US\$ 3,450.00 (Single User License)

ID: M9C9A63B6C83EN

Abstracts

The Middle East and Africa Cold Laser Therapy Market is projected to grow significantly, reaching an estimated US\$ 14.0 million by 2031, up from US\$ 10.3 million in 2024. This growth represents a compound annual growth rate (CAGR) of 4.6% from 2025 to 2031.

Executive Summary and Market Analysis

The region is grappling with a high prevalence of chronic conditions, including arthritis, back pain, tendonitis, and various orthopedic injuries. Factors such as an aging population, sedentary lifestyles, and occupational hazards contribute to this health burden. For instance, musculoskeletal disorders are widespread in South Africa and the Gulf Cooperation Council (GCC) countries, leading to an increased demand for effective pain management solutions. Cold laser therapy presents a non-invasive, drug-free approach to alleviate these conditions, aligning with global efforts to reduce opioid dependency. Its application in orthopedics and physiotherapy is particularly noteworthy.

Recent innovations in cold laser therapy, such as handheld, multi-wavelength, and wearable devices, are enhancing accessibility and affordability, especially in remote areas of Africa where healthcare facilities are scarce. A significant development occurred in 2025 with the introduction of MLS Laser Therapy in Kenya, marking a shift towards non-invasive treatment options following its successful implementation in the Middle East.

Strategic Insights

Market Segmentation Analysis

The Middle East and Africa Cold Laser Therapy Market can be segmented by product, application, and end user:

By Product: The market is divided into Instruments and Accessories, with Instruments holding the largest market share in 2024.

By Application: The market is categorized into Orthopedics, Dermatology, Neurology, and Others, where Orthopedics also leads in market share for 2024.

By End User: The market is segmented into Hospitals, Specialty Clinics, Home Care Settings, and Others, with Hospitals dominating the market in 2024.

Market Outlook

According to the United Nations (UN) and the World Health Organization (WHO), the global population aged 60 and older is expected to rise from 1.1 billion in 2023 to 1.4 billion by 2030, increasing from 12% of the global population in 2015 to 22% by 2050. This demographic shift is accompanied by a significant rise in orthopedic challenges, particularly among the elderly, with a reported 31% prevalence of osteoarthritis in individuals over 55 years old. The healthcare burden associated with age-related disabilities is projected to cost the global economy approximately US\$ 1.5 trillion annually.

Leading companies in the cold laser therapy sector are responding to the growing demand by developing innovative solutions tailored for older adults. For example, the BioFlex Laser Therapy System from BioFlex Lasers is specifically designed for managing arthritis and chronic pain in geriatric patients. Similarly, THOR Photomedicine's LX2.4 device enhances portability and functionality, targeting common hip and knee issues prevalent among older populations.

Country Insights

The market is further segmented by country, including Saudi Arabia, South Africa, the United Arab Emirates, and the Rest of Middle East & Africa. In 2024, Saudi Arabia held the largest market share.

In Saudi Arabia, the adoption of cold laser therapy products is accelerating due to a

combination of rising chronic disease prevalence, substantial investments in healthcare infrastructure under the Vision 2030 initiative, and a growing preference for non-invasive treatment options. The population aged 60 and older in Saudi Arabia is projected to increase from approximately 2 million (5.9% of the total population) in 2020 to around 10.5 million (23.7% of the population) by 2050. Additionally, the number of individuals aged 80 and above is expected to reach approximately 1.6 million, or around 4% of the total population, by 2050.

Recent studies indicate a rising incidence of osteoarthritis among older individuals in Saudi Arabia, with rates reaching 30.8% in those aged 46 to 55 years and 60.6% in those aged 66 to 75 years. As the population ages and lifestyle-related diseases become more prevalent, the demand for non-invasive, long-term pain and inflammation management solutions is expected to grow, further driving the adoption of cold laser therapy.

A retrospective analysis published in May 2024 highlighted that approximately 4,156 patients, or about 37% of those referred to physical therapy from April 2021 to April 2023, were affected by musculoskeletal disorders. Given that these conditions often lead to chronic pain and inflammation, cold laser therapy is increasingly being utilized for its effective, non-invasive analgesic and anti-inflammatory properties, both as a prescribed treatment and as a complementary therapy in clinical and home settings.

Company Profiles

Key players in the cold laser therapy market include BIOLASE Inc, BTL, Lumenis Be Ltd, Dynatronics Corp, BioLight Technologies LLC, Iridex Corporation, Enovis Corp, MKW, Theralase Technologies, and B-Cure Laser Ltd. These companies are employing various strategies, including expansion, product innovation, and mergers and acquisitions, to enhance their market presence and offer innovative products to consumers.

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