

## **United Arab Emirates Diagnostic Imaging Equipment Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

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### **Report description:**

The United Arab Emirates diagnostic imaging equipment market is expected to register a CAGR of 5.3% during the forecast period.

COVID-19 had put significant pressure, especially on the healthcare systems, with significant impacts on the patients infected with COVID-19 and others. During the pandemic, the number of imaging procedures decreased significantly. For instance, from an article published in a Healthcare journal in August 2022, it has been observed that, in the United Arab Emirates, about 80% of the radiological procedures were changed in the number of procedures conducted and hospital visits during the pandemic as compared to pre-COVID time. Thus, the decrease in the radiological procedure has decreased the demand for diagnostic imaging equipment, affecting the market growth during the COVID-19 pandemic. However, with the resumed services and increased hospital visits in diagnostic centers and hospitals, the demand for diagnostic imaging equipment is expected to grow over the forecast period.

The rising burden of chronic diseases and technological advancements in diagnostic imaging are propelling the market growth. For instance, according to GLOBOCAN 2020 report, the estimated number of new breast cancer cases in the United Arab Emirates was 1,030 and this number is projected to reach 2,306 by 2040. Thus, the expected increase in the number of breast cancer cases among the population is expected to increase the demand for imaging equipment, such as mammography, ultrasonography, and breast magnetic resonance imaging (MRI), to diagnose breast cancer and evaluate the stage and extent of disease.

Similarly, as per 2022 statistics published by IDF, 0.99 million people were living with diabetes in 2021 in the United Arab Emirates. In addition, as per the same source, this number is projected to reach 1.17 million by 2030 and 1.32 million by 2045. Therefore, high blood sugar caused by diabetes can damage the nerves that control the heart and blood vessels, leading to a

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variety of cardiovascular diseases like coronary artery disease and stroke, which increase the demand for cardiac CT imaging, and other cardiac imaging methods such as chest X-ray, cardiac MRI, and nuclear cardiac stress testing which is expected to increase the demand for diagnostic imaging equipment, thereby propelling the market growth.

In addition, the increasing geriatric population will complement the growth of the studied market. For instance, according to the United Nations Population Fund's World Population Dashboard's Statistics 2021, in the United Arab Emirates, a large proportion of the living population is aged between 15 and 64 years and accounts for 83%, and 2% of the population is aged 65 and above. Thus, the rising geriatric populations are more prone to develop chronic diseases which increases the need for early diagnosis and detection of the diseases which is expected to increase the demand for advanced diagnostic imaging equipment. This is anticipated to fuel the market growth over the forecast period.

Furthermore, the rising awareness among the population regarding the ill effects of chronic diseases through organizing awareness campaigns is also contributing to market growth. For instance, in August 2022, Novartis started its new Women in Pink campaign aiming at raising awareness of breast cancer for a better quality of life for women across the United Arab Emirates. Through partnerships with the Emirates Oncology Society and the nonprofit group Friends of Cancer Patients, the campaign also emphasizes empowering women by providing them with the necessary information that enables them to choose their preferred treatment option. Also, in June 2021, MoHAP launched an awareness campaign on the dangers of obesity, chronic diseases, and its association with COVID-19 to highlight the importance of public adherence to precautionary measures, a healthy balanced diet, and treatment plans set by doctors.

New models for therapy and diagnoses are being developed, which provide precise results, help in the early detection of diseases, and help minimize the cost of treating these diseases. With the increasing disposable income, people are becoming capable enough to have access to imaging procedures for the early detection of diseases.

Moreover, the rising company and hospital focus on launching advanced imaging products in the country are also expected to increase the market growth. For instance, in June 2020, the Abu Dhabi Health Services Company (SEHA) launched the first Computerised Tomography (CT) scan for diagnosing pneumonia caused by COVID-19 in the United Arab Emirates. The machine can evaluate, on average, eight persons an hour with no contact between people reducing the risk of transmission of the virus. Also, in January 2020, the Thumbay University Hospital launched its 'Center for Imaging' at a special function in the hospital. The Center for Imaging has cutting-edge technology and advanced equipment such as 3 Tesla MRI (Magnetic Resonance Imaging), 256 slice CT (Computed Tomography), Bone Mineral Densitometer (BMD), Ultrasonography, and Color Doppler studies, Conventional and Portable X-ray and Contrast studies, etc., in addition to the upcoming Digital Mammography, Fluoroscopy, and PET-CT services and PACS (Picture Archiving and Communication System).

However, the high cost of diagnostic imaging procedures and equipment is likely to impede the market growth over the forecast period.

## UAE Diagnostic Imaging Equipment Market Trends

### Oncology Segment Expects to Register a High CAGR Over the Forecast Period

The oncology segment is expected to witness significant growth in the diagnostic imaging equipment market over the forecast period.

The factors attributing to the market growth are the rising prevalence of cancer and technological advancements in diagnostic imaging. For instance, as per GLOBOCAN 2020 fact sheet, 2,652 new cancer cases in females and 2,155 in males were reported in the United Arab Emirates in 2020. The high number of cancer cases among the population is anticipated to propel the demand for

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advanced imaging equipment, which in turn is expected to increase the growth of the diagnostic imaging equipment market over the forecast period.

In addition, the growing government initiatives in spreading cancer awareness among the population are also expected to drive market growth. For instance, in October 2022, the Ministry of Health and Prevention (MoHAP) launched a national breast cancer awareness campaign, 'Screen and Reassure Us,' to highlight the importance of early detection of breast cancer and prevention methods in the United Arab Emirates. As a part of this campaign, a mammogram device will be deployed to detect breast cancer in women aged forty and older, particularly those who have not had the test in more than two years.

Similarly, in October 2021, Pfizer launched phase two of its Africa and Middle East region (AFME) campaign, 'Take Action,' in the United Arab Emirates, which seeks to empower and support breast cancer patients to fight against the disease through its work with the United Arab Emirates patient society 'Friends of Cancer Patients (FOCP).

Furthermore, the rising company focus on adopting various business strategies such as collaboration, partnerships, and launches are also expected to fuel the market growth. For instance, in January 2022, United Imaging partnered with King Hussein Cancer Center (KHCC) for clinical applications research, academic exchange, and talent training to advance the oncology and molecular imaging field and to enhance healthcare delivery in the region.

Thus, owing to the factors above, the segment is expected to grow significantly during the forecast period.

#### MRI Segment is Expected to Have the Significant Market Share Over the Forecast Period

The magnetic resonance imaging segment is expected to witness healthy growth in the United Arab Emirates diagnostic imaging equipment market over the forecast period. The factors attributing to the market growth are the increasing prevalence of cardiovascular diseases, neurological disorders, diabetes, and others and the growing technological advancements in MRI systems.

The risk factors of smoking, hypertension, obesity and physical inactivity are all linked to a higher prevalence of diabetes and pre-diabetes which is increasing rapidly among the United Arab Emirates population. For instance, from an article published in *Frontiers in Clinical Diabetes and Healthcare*, in August 2022, it has been observed that the age-adjusted comparative prevalence of diabetes in the United Arab Emirates was 16.4%, which was alarmingly high as compared to the previous year. In addition, as per the same source, this number is projected to increase to 18.1% by 2045. The expected increase in the number of population suffering from diabetes raises the need to early diagnose rare conditions and other conditions and risks associated with it which helps in providing the proper treatment to the patient. This is expected to increase the demand for whole body-MRI scanning hence bolstering the market growth. Also, the high blood sugar caused by diabetes can damage the nerves that control the heart and blood vessels, leading to a variety of cardiovascular diseases like coronary artery disease and stroke, which increase the demand for cardiac MRI which is expected to increase the demand for diagnostic imaging equipment, thereby propelling the market growth.

Furthermore, the companies are offering various technologically advanced MRI systems which are expected to increase their adoption by physicians and clinicians in the country, hence boosting the market growth. For instance, Aspen Medical, United Arab Emirates, offers a portable MRI monitoring system, IRadimed 3880 MRI, designed to travel with the patient between the MRI and their care unit, thus decreasing the amount of time when critically ill patients are out of the MRI unit. Similarly, the company offers MRidium 3860+, a non-magnetic IV infusion pump, designed for the continuous delivery of fluids and medications for patients within the MRI environment. It allows clinicians to safely and reliably run both volumetric and syringe-dosed infusions by way of syringes, bags, and bottles.

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Moreover, the rising product launches in the country are also contributing to the market growth. For instance, in April 2022, NMC Royal Hospital launched Sharjah's first AI-driven state-of-the-art MRI scanner, in United Arab Emirates, which helps in identifying cancers and the severity of stroke apart from diagnosing heart, lung, liver, and bone diseases.

Thus, owing to the aforementioned factors, the segment is expected to grow significantly during the forecast period.

#### UAE Diagnostic Imaging Equipment Market Competitor Analysis

The United Arab Emirates diagnostic imaging equipment market is moderately competitive, and several international companies are operating in the United Arab Emirates. The global players in the United Arab Emirates diagnostic imaging equipment market are Carestream Health, Esaote SpA, Fujifilm Holdings Corporation, General Electric Company (GE Healthcare), Hitachi Medical Systems, Hologic, Inc., Koninklijke Philips N.V, Siemens Healthineers AG, and Toshiba Corporation.

#### Additional Benefits:

- <li> The market estimate (ME) sheet in Excel format </li>
- <li> 3 months of analyst support </li>

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