

UAE Breast Cancer Drugs Market By Therapy (Chemotherapy, Immunotherapy, Targeted Therapy, Hormonal Therapy), By Cancer Type (Hormone Receptor, HER2+), By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Others Distribution Channel), By Region, Competition, Forecast and Opportunities, 2020-2030F

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Abstracts

UAE Breast Cancer Drugs Market was valued at USD 11.56 Billion in 2024 and is expected to reach USD 18.97 Billion with a CAGR of 8.56% through 2030.

The UAE Breast Cancer Drugs Market is experiencing significant growth, driven by advancements in medical technologies, rising awareness about breast cancer, and increasing healthcare expenditure in the region. Breast cancer remains one of the most prevalent cancers among women in the UAE, prompting government and private sector initiatives to enhance screening, diagnosis, and treatment capabilities. The market is characterized by a robust presence of targeted therapies, hormonal treatments, and chemotherapeutic drugs, with an increasing shift toward precision medicine and immunotherapy. Leading pharmaceutical companies are actively investing in research and development to introduce novel drugs that offer improved efficacy and reduced side effects.

The UAE government's proactive approach, including national campaigns for early detection and subsidized treatments, has played a pivotal role in expanding the market. The presence of well-equipped oncology centers and partnerships with international healthcare providers further supports the market's growth. Additionally, increasing patient awareness regarding advanced treatment options and the availability of cutting-

edge drugs through public and private channels contribute to the rising demand. Challenges such as the high cost of treatment and the need for better accessibility in rural areas remain, but these are being addressed through public health policies and insurance coverage. Collaborations between pharmaceutical companies and healthcare institutions are also aiding in overcoming these barriers. The growing prevalence of breast cancer and the adoption of innovative treatment protocols position the UAE Breast Cancer Drugs Market for sustained expansion in the coming years, making it a critical segment of the country's healthcare industry. This market also aligns with the UAE's broader vision of becoming a regional hub for advanced healthcare solutions.

Key Market Drivers

Rising Breast Cancer Prevalence

The increasing prevalence of breast cancer in the UAE is one of the primary drivers for the breast cancer drugs market. According to GLOBOCAN 2022 data, the United Arab Emirates reported 2,607 new cancer cases among males and 2,919 among females, totaling 5,526 cases. Additionally, Breast cancer accounted for 1,142 cases, representing 39.1% of all cancer cases among females. Breast cancer continues to be the most commonly diagnosed cancer among women in the country, contributing significantly to overall cancer cases. Factors such as sedentary lifestyles, rising obesity rates, delayed childbirth, and changes in reproductive patterns contribute to the higher incidence rates. Moreover, genetic predispositions, such as mutations in the BRCA1 and BRCA2 genes, are also linked to the disease's increasing prevalence in the region. Public health initiatives have improved awareness, resulting in higher rates of screening and early diagnosis, thereby bringing more patients into the healthcare system. This increase has led to heightened demand for effective therapies, particularly targeted therapies and hormonal treatments, which are suitable for managing early-stage and hormone-receptor-positive breast cancers.

Pharmaceutical companies are leveraging this trend by introducing innovative treatment options tailored to the needs of the growing patient population. For example, therapies such as CDK4/6 inhibitors, which target specific pathways in cancer progression, are gaining popularity. Furthermore, advancements in diagnostic technologies have also played a role in identifying high-risk individuals, enabling preventive measures and boosting the demand for prophylactic drugs. In addition, the cultural shift towards open discussions about breast cancer has encouraged women to seek medical advice earlier, further contributing to market growth. As the prevalence of breast cancer continues to rise, healthcare providers and pharmaceutical companies are focusing on developing

and implementing cost-effective, accessible, and advanced treatment options. This ongoing growth highlights the critical role of breast cancer drugs in addressing the escalating healthcare needs of the UAE population.

Government Initiatives and Support

The UAE government plays a pivotal role in driving the breast cancer drugs market through a series of initiatives aimed at improving awareness, early detection, and access to treatment. Recognizing breast cancer as a critical public health concern, for instance, An article published in Springer highlights data from the UAE National Cancer Registry (UAE-NCR), revealing that a total of 5,830 new cancer cases, including both malignant and in-situ cases, were recorded from January 1 to December 31, 2021 [1]. Of these, 5,612 cases (96%) were invasive cancers, while 218 cases (4%) were classified as in-situ (refer to Appendix 1). Women were disproportionately affected, accounting for 3,210 cases (55.1%), compared to 2,620 cases (44.9%) in men. The data includes both UAE nationals and expatriates. Among UAE nationals, 1,493 new cases were reported, with 1,431 cases (95.8%) classified as malignant and 62 cases (4.2%) as in-situ. For non-nationals, 4,337 cases were reported, with 4,181 cases (96.4%) categorized as malignant and 156 cases (3.6%) as in-situ. The crude incidence rate for the total population was 60.5 per 100,000. A notably higher cancer incidence was observed in females, with a crude incidence rate of 108.7 per 100,000, compared to 39.5 per 100,000 in males. The overall age-standardized incidence rate (ASR) for both genders combined was 107.8 per 100,000. The government has launched comprehensive national screening programs, awareness campaigns, and treatment subsidies. These efforts not only promote early diagnosis but also enhance access to advanced therapies, which are vital for improving patient outcomes. Campaigns such as the Pink Caravan, an annual initiative, have significantly contributed to public awareness about breast cancer. By offering free screening and consultation services, these campaigns encourage women to prioritize their health and seek timely medical intervention. Early detection directly correlates with higher demand for targeted therapies and hormonal treatments, which are more effective in the initial stages of breast cancer.

Moreover, the UAE government has significantly increased healthcare spending, prioritizing oncology services. State-of-the-art cancer treatment facilities, including those equipped with advanced diagnostic tools and therapeutic options, are becoming more accessible to the population. Policies supporting the availability and import of innovative breast cancer drugs ensure that UAE patients have access to the latest global treatment advancements. In addition, partnerships between the government and international

organizations further bolster the market. Collaborative agreements often lead to the introduction of new clinical trials, educational programs for healthcare professionals, and access to the latest drug formulations. Subsidized healthcare services and enhanced insurance coverage for cancer treatments also reduce financial barriers for patients, encouraging greater uptake of advanced therapies. These government-driven initiatives have created a conducive environment for the growth of the breast cancer drugs market, ensuring that patients in the UAE benefit from cutting-edge

Advancements in Drug Therapies

The rapid advancements in drug therapies for breast cancer have transformed the treatment landscape, significantly driving the UAE Breast Cancer Drugs Market. Traditional treatment methods like chemotherapy, while effective, are often associated with severe side effects and limited specificity. However, recent innovations have introduced more targeted approaches that improve patient outcomes and quality of life. Targeted therapies, such as HER2 inhibitors, are designed to specifically block proteins that fuel the growth of certain breast cancers, offering enhanced efficacy and fewer adverse reactions. CDK4/6 inhibitors, which regulate cell division, are another critical breakthrough, providing options for patients with hormone-receptor-positive breast cancer. Additionally, antibody-drug conjugates (ADCs) are emerging as a promising class, combining the targeting ability of antibodies with the potency of chemotherapy.

The UAE market is also witnessing the growing adoption of immunotherapies, including immune checkpoint inhibitors, which harness the body's immune system to fight cancer. Personalized medicine, driven by advancements in genetic profiling and biomarker testing, allows physicians to tailor treatments to individual patient profiles, reducing trial-and-error approaches. Moreover, the development and approval of biosimilars—cost-effective versions of biologic drugs—are expanding access to these advanced therapies. This is especially crucial in the UAE, where the high cost of treatment can be a barrier for some patients. Biosimilars enable broader adoption of therapies like trastuzumab (HER2-targeted), further boosting market demand. As pharmaceutical companies continue to invest in research and development, the pipeline for breast cancer drugs is robust, with innovative therapies focusing on overcoming resistance to existing treatments and targeting advanced or metastatic stages. These advancements position the UAE Breast Cancer Drugs Market for sustainable growth by addressing the unmet needs of patients and healthcare providers.

Key Market Challenges

High Treatment Costs Limiting Accessibility

One of the significant challenges facing the UAE Breast Cancer Drugs Market is the high cost of treatment, which limits accessibility for many patients. Advanced breast cancer therapies, including targeted treatments, immunotherapies, and novel drug classes like CDK4/6 inhibitors, often come with a hefty price tag. These therapies, while effective, are not always covered entirely by insurance providers, leaving patients to shoulder a significant financial burden. Even for insured individuals, co-payments and uncovered drug costs can deter adherence to prescribed treatment plans, leading to poorer health outcomes and increased disease burden. The high costs also impact public healthcare providers, as funding these expensive treatments can strain national budgets. The reliance on imported drugs from Western markets exacerbates the issue, as pharmaceutical pricing is influenced by international markets and currency fluctuations. Additionally, limited availability of cost-effective biosimilars in the UAE further hampers the affordability of treatments. Addressing this challenge requires a multifaceted approach, including encouraging the local production of affordable drugs, negotiating better pricing agreements with pharmaceutical companies, and expanding insurance coverage for advanced therapies. Without such interventions, the high cost of breast cancer drugs will continue to restrict access to life-saving treatments, impeding the market's growth potential and raising concerns about equitable healthcare delivery.

Dependency on Imported Drugs

The UAE Breast Cancer Drugs Market faces significant challenges due to its heavy reliance on imported medications. The country sources most of its advanced cancer therapies, including targeted and immunotherapy drugs, from international pharmaceutical manufacturers, primarily based in Europe and North America. While this ensures access to cutting-edge treatments, it also exposes the market to supply chain disruptions, regulatory bottlenecks, and fluctuating currency exchange rates. Supply chain disruptions, as witnessed during the COVID-19 pandemic, can delay the availability of essential drugs, impacting patient care. Import dependency also limits the UAE's ability to negotiate pricing, leading to higher costs for both healthcare providers and patients. Furthermore, regulatory differences between the UAE and exporting countries can result in delayed drug approvals, restricting the timely introduction of innovative therapies into the local market.

This dependency underscores the need for a robust domestic pharmaceutical industry that can manufacture breast cancer drugs locally. Developing local production capabilities would not only enhance self-reliance but also reduce costs, improve drug

accessibility, and ensure a steady supply of critical medications. The government must invest in pharmaceutical R&D, incentivize local manufacturers, and establish strategic partnerships with global companies to transfer technology and expertise. Without such measures, the UAE will remain vulnerable to external market dynamics, limiting the long-term growth potential of its breast cancer drugs market.

Key Market Trends

Growing Awareness and Early Detection

Increased public awareness and early detection efforts have become critical drivers of the UAE Breast Cancer Drugs Market. Over the past decade, awareness campaigns led by both governmental and non-governmental organizations have highlighted the importance of regular screenings and early diagnosis, encouraging women to seek medical advice and treatment promptly. Initiatives like the Pink Caravan Ride and Breast Cancer Awareness Month activities involve free screening events, educational workshops, and media campaigns. These programs emphasize the importance of mammograms, self-examinations, and genetic testing for individuals with a family history of breast cancer. Such awareness initiatives have significantly contributed to early detection rates, resulting in a shift toward identifying cancer at earlier, more treatable stages.

Early detection directly impacts the demand for breast cancer drugs, as patients diagnosed at earlier stages often require therapies like hormonal treatments and targeted drugs, which are less invasive and have fewer side effects than chemotherapy. Hormone receptor-positive and HER2-positive breast cancers, detected early, can now be managed effectively with advanced treatments, further fueling market growth. Additionally, greater awareness has reduced the stigma associated with discussing breast cancer, particularly in conservative societies. Women are more likely to consult healthcare professionals and adhere to treatment plans, contributing to better outcomes and increased demand for advanced drugs. The UAE's focus on awareness and prevention has also prompted private healthcare providers to invest in screening facilities and advanced diagnostic technologies, enhancing accessibility for patients. As these efforts continue to evolve, they are expected to drive sustained growth in the breast cancer drugs market by fostering a culture of early intervention and proactive healthcare.

Expansion of Healthcare Infrastructure

The UAE's significant investment in healthcare infrastructure has created a robust foundation for the growth of the breast cancer drugs market. The country is home to world-class oncology centers equipped with advanced diagnostic and treatment technologies, enabling comprehensive care for breast cancer patients. Government-funded hospitals such as the Tawam Hospital and private facilities like the Burjeel Medical City specialize in oncology services, including breast cancer management. These institutions offer state-of-the-art facilities for screening, genetic testing, and advanced therapeutic interventions. In May 2022, the UAE, Egypt, and Jordan announced an Industrial Partnership for Sustainable Economic Growth in Abu Dhabi, aimed at unlocking new industrial opportunities and advancing sustainable economic development across five key sectors. This partnership underscores their commitment to fostering constructive development collaborations that strengthen national economies, promote sustainability, encourage knowledge sharing, leverage the unique strengths of each country, boost self-sufficiency, enhance food and health security, integrate value chains, and drive the establishment of joint industrial ventures.

The establishment of specialized cancer care units ensures that patients have access to cutting-edge treatments, including targeted therapies and immunotherapies. In addition, the UAE has positioned itself as a regional hub for medical tourism, attracting international patients seeking high-quality cancer care. The influx of medical tourists further boosts the demand for advanced breast cancer drugs, particularly premium therapies not readily available in other regions.

Telemedicine platforms and digital healthcare solutions are also contributing to infrastructure expansion. Virtual consultations and remote follow-ups make it easier for patients to access specialized oncology care, particularly in underserved areas. As healthcare providers continue to integrate digital tools, the reach and efficiency of breast cancer treatment in the UAE are set to improve further. This growing healthcare infrastructure ensures that the UAE can accommodate the increasing demand for breast cancer treatments, driving market growth and establishing the country as a leader in cancer care within the Middle East.

Segmental Insights

Therapy Insights

Based on the Therapy, Targeted therapy dominated the UAE Breast Cancer Drugs Market due to its superior efficacy, specificity, and growing adoption in advanced treatment regimens. Unlike conventional approaches like chemotherapy, which affects

both cancerous and healthy cells, targeted therapy focuses on molecular and genetic markers unique to breast cancer cells. This precision significantly reduces side effects while improving patient outcomes, making it a preferred choice among oncologists and patients. The prominence of targeted therapy in the UAE is fueled by the increasing prevalence of HER2-positive breast cancer cases, which respond exceptionally well to drugs like trastuzumab, pertuzumab, and lapatinib. Pharmaceutical innovations, including CDK4/6 inhibitors and PARP inhibitors, have further expanded the scope of targeted treatments for other breast cancer subtypes.

The UAE's advanced healthcare infrastructure and government initiatives supporting cutting-edge oncology care facilitate the availability of targeted therapies. High levels of awareness among healthcare providers and patients, coupled with medical tourism inflows, have also contributed to its widespread adoption.

Cancer Type Insights

Based on the Cancer Type, HER2-positive (HER2+) breast cancer dominated the UAE Breast Cancer Drugs Market due to its higher prevalence and the availability of effective targeted therapies that specifically address this aggressive cancer subtype. HER2+ breast cancer is characterized by overexpression of the human epidermal growth factor receptor 2 (HER2) protein, which promotes rapid cancer cell growth. This type accounts for a significant proportion of breast cancer cases in the UAE, making it a critical focus for treatment strategies. The dominance of HER2+ breast cancer is supported by the widespread adoption of targeted therapies such as trastuzumab (Herceptin), pertuzumab (Perjeta), and trastuzumab emtansine (Kadcyla). These drugs have revolutionized treatment by offering highly effective solutions that improve survival rates and reduce the risk of recurrence. The UAE's advanced healthcare infrastructure and access to innovative medications further bolster the prominence of HER2+ therapies in the market. Additionally, ongoing clinical trials and new drug approvals targeting HER2+ breast cancer, such as tucatinib and neratinib, are expanding the range of therapeutic options. The segment also benefits from government and private sector initiatives focused on improving breast cancer care and treatment access, making HER2+ breast cancer a priority in the UAE's healthcare strategy.

Regional Insights

Abu Dhabi stand as the most dominant region in the UAE Breast Cancer Drugs Market, driven by its robust healthcare infrastructure, government initiatives, and high concentration of specialized cancer treatment centers. As the capital of the UAE, Abu

Dhabi has invested heavily in advanced healthcare facilities, positioning itself as a leader in oncology care. The region is home to world-class medical institutions such as the Cleveland Clinic Abu Dhabi and Sheikh Khalifa Medical City, which are renowned for offering comprehensive cancer treatment, including cutting-edge therapies for breast cancer. These facilities attract both local and international patients, boosting the demand for advanced breast cancer drugs, particularly targeted therapies and immunotherapies.

Abu Dhabi's government has prioritized oncology care through initiatives like the Abu Dhabi Health Services Company (SEHA), which ensures access to high-quality cancer treatments for Emirati citizens and residents. Additionally, partnerships with global pharmaceutical companies facilitate the availability of innovative drugs, strengthening the region's market dominance. The emirate's focus on medical research and clinical trials further enhances its leadership. Collaborations between healthcare providers and academic institutions in Abu Dhabi support the development and early adoption of new breast cancer therapies.

Key Market Players

Johnson & Johnson Middle East FZ

Celgene FZE

Bristol Myers Squibb, Middle East & Africa FZ-LLC

Illumina Dubai Middle East FZE

Roche Diagnostics Middle East FZCO

Abbott Laboratories S.A.

Hitachi Ltd.

Gulf International Cancer Center

Pfizer Gulf FZ LLC

AstraGene LLC

Report Scope:

In this report, the UAE Breast Cancer Drugs Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

UAE Breast Cancer Drugs Market, By Therapy:

Chemotherapy

Immunotherapy

Targeted Therapy

Hormonal Therapy

UAE Breast Cancer Drugs Market, By Cancer Type:

Hormone Receptor

HER2+

UAE Breast Cancer Drugs Market, By Distribution Channel:

Hospital Pharmacies

Retail Pharmacies

Others

Distribution Channel

UAE Breast Cancer Drugs Market, By Region:

Abu Dhabi

Dubai

Sharjah

Rest of UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the UAE Breast Cancer Drugs Market.

Available Customizations:

UAE Breast Cancer Drugs Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validations
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

4. VOICE OF CUSTOMER

5. UAE BREAST CANCER DRUGS MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Therapy (Chemotherapy, Immunotherapy, Targeted Therapy, Hormonal Therapy)
 - 5.2.2. By Cancer Type (Hormone Receptor, HER2+)
 - 5.2.3. By Distribution Channel (Hospital Pharmacies, Retail Pharmacies, Others)

Distribution Channel)

5.2.4. By Region

5.2.5. By Company (2024)

5.3. Market Map

6. DUBAI BREAST CANCER DRUGS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Therapy

6.2.2. By Cancer Type

6.2.3. By Distribution Channel

7. ABU DHABI BREAST CANCER DRUGS MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Therapy

7.2.2. By Cancer Type

7.2.3. By Distribution Channel

8. SHARJAH BREAST CANCER DRUGS MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Therapy

8.2.2. By Cancer Type

8.2.3. By Distribution Channel

9. MARKET DYNAMICS

9.1. Drivers

9.2. Challenges

10. MARKET TRENDS & DEVELOPMENTS

- 10.1. Merger & Acquisition (If Any)
- 10.2. Product Launches (If Any)
- 10.3. Recent Developments

11. POLICY & REGULATORY LANDSCAPE

12. UAE ECONOMIC PROFILE

13. PORTER'S FIVE FORCES ANALYSIS

- 13.1. Competition in the Industry
- 13.2. Potential of New Entrants
- 13.3. Power of Suppliers
- 13.4. Power of Customers
- 13.5. Threat of Substitute Products

14. COMPETITIVE LANDSCAPE

- 14.1. Johnson & Johnson Middle East FZ
 - 14.1.1. Business Overview
 - 14.1.2. Company Snapshot
 - 14.1.3. Products & Services
 - 14.1.4. Financials (As Reported)
 - 14.1.5. Recent Developments
 - 14.1.6. Key Personnel Details
 - 14.1.7. SWOT Analysis
- 14.2. Celgene FZE
- 14.3. Bristol Myers Squibb, Middle East & Africa FZ-LLC
- 14.4. Illumina Dubai Middle East FZE
- 14.5. Roche Diagnostics Middle East FZCO
- 14.6. Abbott Laboratories S.A.
- 14.7. Hitachi Ltd.
- 14.8. Gulf International Cancer Center
- 14.9. Pfizer Gulf FZ LLC
- 14.10. AstraGene LLC

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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