

Organ Care Systems (Ocs) Market - Growth, Trends, and Forecasts (2023 - 2028)

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Report description:

The organ care system market studied is anticipated to grow with a CAGR of 9.1% during the forecast period.

The sudden outbreak of COVID-19 had a significant impact on the market. This was mainly due to the reduction of organ donation and transplantation procedures due to the cancellation of elective procedures to curb the pandemic infection. The article published in Springer in December 2021 mentioned a 21% reduction in organ donation and a 59% reduction in transplants. The source also noted that 59% of living donor kidney transplant programs suspended the evaluation of new donors due to the COVID-19 pandemic. Such reduction in organ donations and transplantation during the pandemic significantly impacted the market growth. However, the relaxation of strict regulations during the post-pandemic increased organ donations and transplant surgeries, thereby contributing to the market's growth over the forecast period.

Some significant market growth factors are the increased incidence of various chronic disorders resulting in organ failures, along with a high volume of organ transplantation surgeries. The rising technological developments are also expected to contribute to the market's growth.

Similarly, according to the data published by the British Heart Foundation in August 2022, in the United Kingdom, over 7.6 million people survived heart or circulatory disease in 2021. The World Kidney day data published in March 2022 mentioned that about 1 in 10 people worldwide have chronic kidney disease. The prevalence of various conditions resulting in organ transplantation is expected to contribute to the market's growth. Additionally, the high organ transplantation volume is expected to drive market growth. For instance, the data published by the print in May 2022 mentioned that nearly 17,000 to 18,000 solid organ transplants are performed in India each year.

Furthermore, the increasing product approvals and launches by various key market players are also expected to contribute to the market's growth. In December 2021, OrganOx received the United States FDA's premarket approval for its metra system. The metra is a fully automated NMP device for preserving and transporting donor livers destined for transplantation.

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Thus, the increasing demand for organ transplantation surgeries and product approvals and developments are expected to contribute to the market's growth over the forecast period.

Organ Care Systems (OCS) Market Trends

Heart Segment Expected to Hold a Significant Market Share

The growth of the studied segment is attributed to the growing incidence of cardiovascular diseases and the increasing incidence of heart transplants among the global population.

For instance, the data published by American Heart Journal in May 2021 mentioned that almost 1.5% to 1.9% of the population suffers from heart failure in the United States and Canada. In Europe, 1% to 2% of the population suffers from the disease. The same source also stated that 12.1 million patients were suffering from heart failure in China, while in people over 25 years old, the incidence of the disease was around 3 million. Such increasing cases of heart failure are leading to the growing demand for heart transplants. This is expected to contribute to the demand for heart care systems, thereby driving the segment's growth. Furthermore, according to the data published by the Elsevier article in August 2022, nearly 1,113 heart transplants and 101 heart-lung transplants were performed at AIIMS, New Delhi, India, till April 2021. Such a high volume of heart transplants is expected to drive the segment's growth.

Also, establishing various heart transplant centers is expected to drive the demand for organ care systems, fueling the market's growth. For instance, in March 2022, the Asian Institute of Medical Sciences (AIMS) launched the Heart and lung transplant center in North India in collaboration with MGM healthcare to provide easy and fast organ transplant services.

The increasing product approvals for the heart are also expected to contribute to the growth of the studied segment. For instance, in April 2022, TransMedics, Inc. received approval from the United States FDA for its Organ Care System (OCS) heart systems for use with organs from donors after brain death.

Thus, the high volume of heart transplants, rising cardiovascular diseases, and increasing product launches are expected to contribute to the growth of the studied segment over the forecast period.

North America Expected to Hold a Significant Market Share

North America is expected to hold a significant market share owing to the rising demand for organ transplantations and increasing organ donation. Additionally, the quick adoption of advanced technologies in the organ's care systems and the presence of key market players are driving factors for the North American market.

For instance, the data published by Organdonor.gov in March 2022 mentioned that nearly 105,800 patients were on the national transplant waiting list. The report also noted that more than 40,000 transplants were performed in 2021. Similarly, the CIHI data published in June 2022 mentioned that 2,782 organ transplants were performed in Canada in 2021. Such a high volume of organ transplant surgeries and increasing demand for organ transplantations are expected to contribute to the region's market growth. The prevalence of organ failure is another contributing factor. The data published by American Kidney Fund in February 2022 mentioned that nearly 810,000 Americans survive kidney failure, and over 240,00 Americans live with kidney transplants.

Likewise, the high number of organ transplant centers in North American centers is also expected to contribute to the growth of the market. For instance, the article published in AASLD in January 2022 mentioned that CENTARA had approved 84 centers in Mexico for liver transplants. Such growth in approved transplant centers is also expected to drive the demand for organ care

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systems.

Furthermore, the increasing product developments and approvals are also expected to contribute to the market growth in this region. For instance, in October 2021, Paragonix Technologies commercially launched the LIVERgaurd Donor Liver Preservation System in the United States. The LIVERgaurd System provides a highly controlled, state-of-the-art environment for hypothermic liver preservation, coupled with real-time digital monitoring to safeguard a donor's liver throughout the transplant process.

Thus, the high volume of organ transplantations and increasing demand for transplant surgeries, along with the presence of key players and frequent product launches, are expected to contribute to the market growth in this region over the forecast period.

Organ Care Systems (OCS) Market Competitor Analysis

The organ care system market is moderately fragmented and consists of major market players. The competitive landscape includes an analysis of a few international as well as local companies which hold market shares and are well-known. The major market players are TransMedics, Xvivo Perfusion AB, Paragonix Technologies Inc., OrganOx Limited, Bridge to Life Ltd, and others.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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