

# **China Artificial Organs Market By Organ Type (Artificial Heart, Artificial Kidney, Artificial Pancreas, Others), By Technology (Electronic Bionics, Mechanical), By Material Type (Silicon, Plastic, Steel), By Region, Competition, Forecast & Opportunities, 2028**

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## **Abstracts**

China artificial organs market is expected to witness an impressive growth rate during the forecast period, 2024-2028. The increasing pool of patients waiting for organ transplants, along with the rise in acceptance of organ transplants, are expected to bolster the growth of the market. Also, the growing occurrences of chronic diseases, such as cardiovascular diseases, chronic kidney diseases, and others, are propelling the growth of the market. In 2021, China has over 10 million patients suffering from heart failure, with many requiring heart transplant surgeries. Also, the increasing geriatric population, which is highly prone to organ failure, is propelling the demand for artificial organs, which, in turn, is strengthening the growth of the market. According to the report of the Seventh National Census in China, in 2020, the proportion of people aged 65 and over in the total population was 13.5%. The frequent incidences of road accidents and injuries leading to amputations are also increasing the demand for artificial organs. Additionally, increasing awareness about artificial organs among the population is also contributing to the market's growth.

### **Technological Advancements**

The rise in the adoption of advanced tools and techniques in the medical as well as healthcare sector is expected to bolster the growth of the China artificial organs market in the upcoming years. The advent of the latest technologies, such as the development

of new artificial organs based on electrophysical and optical technologies and 3D printing of biomaterials, among others, are projected to facilitate the growth of the artificial organ market in the country. In 2021, CH Biomedical in Suzhou, and East China's Jiangsu Province, developed the first domestic magnetically levitated artificial heart. The device uses the same principle which is used to run high-speed maglev trains. This artificial heart increases the pumping power of the patient's failing heart, allowing it to deliver oxygen-rich blood throughout the body.

### Increasing Occurrences of Organ Failures

An increase in the number of cases suffering from organ failure in the country is projected to strengthen the growth of the market. According to a study, around 1 to 1.5 million people in China requires organ transplant every year. This is attributed to the increasing incidences of chronic diseases. Chronic diseases are often caused due to the changing lifestyle and rising consumption of unhealthy foods and alcohol, among others, thereby impelling the growth of the market. For instance, the major cause of kidney failure is diabetes and hypertension, due to which there is an increase in demand for kidney transplantation. In 2019, around 47,382 Chinese patients were waiting for kidney transplantation.

### Market Segmentation

China artificial organs market is segmented into organ type, technology, material type, company, and region. Based on organ type, the market is categorized into artificial hearts, artificial kidney, artificial pancreas, and others. Based on technology, the market is bifurcated into electronic bionics and mechanical. Based on material type, the market is segmented into silicon, plastic, and steel. In terms of region, the market is segmented into South-Central China, South-West China, East China, North-East China, North-West China, and North China.

### Market Players

Chengdu Baishixing Science & Technology Industry Co Ltd, Regenovo Biotechnology, Abiomed Inc., Cyfuse Biomedical, Nipro Corporation, Medtronic Inc, Boston Scientific Corporation, Terumo Corporation, Tibion Corporation, and Baxter International Inc are some of the leading companies operating in the market.

### Report Scope:

In this report, China artificial organs market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

China Artificial Organs Market, By Organ Type:

Artificial Heart

Artificial Kidney

Artificial Pancreas

Others

China Artificial Organs Market, By Technology:

Electronic Bionics

Mechanical

China Artificial Organs Market, By Material Type:

Silicon

Plastic

Steel

China Artificial Organs Market, By Region:

South-Central China

South-West China

East China

North-East China

North-West China

## North China

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present China artificial organs market

### Available Customizations:

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).

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