

# Medical Robotics Global Market - Forecast to 2026

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## Abstracts

A medical robot is a programmable, multifunctional manipulator specialized devices used for surgery, medical training, rehabilitation therapy, hospital and pharmacy industry. The use of surgical robotics has been expanding due to rapid development in technology. The robotic surgery is usually associated with minimally invasive surgery that allows the doctors to perform complex procedures with more precision, flexibility, and control than is possible with conventional techniques. Rehabilitation robots are automatically operated machines designed to improve movement and impaired physical functioning in patients. The hospital and pharmacy robots are used for sterilization, cleaning, clinical trials, pill dispensing and fill & pack purposes.

According to IQ4I analysis, the medical robotics global market is expected to grow at double digit CAGR from 2019 to 2026 to reach \$13,899.4 million by 2026. Some of the factors driving the market are increasing demand for minimally invasive surgery, increasing prevalence of gynaecology, urology and orthopedic disorder, increasing aging population, technological innovations, the rising adaption of medical robots among the population and increasing clinical trials.

The medical robotics market by product is segmented as surgical robotics, rehabilitation robotics, and hospital & pharmacy robotics. Surgical robotics segment accounted for the largest revenue in 2019 and is expected to grow at a low teen CAGR from 2019 to 2026. Rehabilitation robotics segment is expected to grow at a high single digit from 2019 to 2026. Hospital & pharmacy robotics segment is expected to grow at a mid-single digit CAGR from 2019 to 2026.

Surgical robotics global market by product type, it is segmented into systems, instruments & accessories and services. Among surgical robotics, instruments & accessories segment accounted for the largest revenue in 2019 and it is expected to grow at a mid-teen CAGR from 2019 to 2026. Systems segment is expected to grow at

a double digit CAGR from 2019 to 2026. Services segment is expected to grow at a mid-teen CAGR from 2019 to 2026.

Surgical robotics global market by application is segmented as orthopedic, gynaecology, urology, neurosurgery, general and gastroenterology (laparoscopy), cancer and others (cardiovascular, cardiothoracic, retina, and hair transplant). Among applications, the general and gastroenterology segment accounted for the largest revenue in 2019 and it is expected to grow at a low-teen CAGR from 2019 to 2026. Neurosurgery segment is expected to grow exponentially from 2019 to 2026.

Rehabilitation robotics global market by product type is segmented into Assistive (Cognitive) Robots, Exoskeleton Robots and prosthetic robots. Among rehabilitation robotics, Assistive (Cognitive) Robots holds the largest revenue in 2019 and is expected to grow at a high single digit CAGR from 2019 to 2026. Exoskeleton Robots segment expected to grow at a high single digit CAGR from 2019 to 2026. Prosthetics Robots segment is expected to grow at a med-single digit CAGR from 2019 to 2026.

Hospital and pharmacy robotics global market by product type, it is segmented into pill dispensing robots, fill & pack robots and other robots (cleaning sterilization and clinical trial robots). Among hospital and pharmacy robotics, fill and pack robots accounted for the largest revenue in 2019 and it is expected to grow at a mid-single digit CAGR from 2019 to 2026. Pill dispensing robots segment is expected to grow at a low single digit CAGR from 2019 to 2026. Other robots segment is expected to grow at a mid-single digit CAGR from 2019 to 2026.

Medical robotics market by region is segmented as North America (U.S. and Rest of North America), Europe (Italy, France, Germany and Rest of Europe), Asia-Pacific (Japan, South Korea, China, and Others) and Rest of the world (Turkey, Brazil, and others). North America accounted for the largest revenue in 2019 and is expected to grow at a low teen CAGR from 2019 to 2026 mainly due to increased prevalence of chronic illness and lifestyle disorders, growing aging population, increase in healthcare expenditure, availability of surgical expertise, increase in research activities, steady number of product approvals and new product launches among the key market players, increased demand for assistive robots and adoption of new technologies.

The Asia-Pacific region is expected to grow with a mid-teen CAGR from 2019 to 2026 due to high levels of healthcare expenditure, improving healthcare infrastructure and increasing government healthcare budgets, funds, growing acceptance of technological advancements, increasing aging population, increasing awareness about medical

robotics and rise in healthcare awareness in the emerging countries, such as India and China.

The medical robotics global market is a highly consolidated market hence all the existing players in this market are involved in developing new and advanced therapeutics to maintain their market shares. Some of the major players in medical robotics market are Intuitive Surgical, Inc. (U.S.), Stryker Corporation (U.S.), Accuray Incorporated (U.S.), Zimmer Biomet (U.S.), Johnson & Johnson (U.S.), Medtronic PLC (Ireland), Omnicell, Inc. (U.S.), Siemens Healthineers AG (Germany), Smith & Nephew PLC (U.K.) and Globus Medical (U.S.).

The report provides an in-depth market analysis of the above-mentioned segments across the following regions:

North America

U.S.

Rest of North America

Europe

Italy

France

Germany

Rest of Europe

Asia-Pacific

Japan

South Korea

China

Rest of APAC

Rest of the World (RoW)

Turkey

Brazil

Others

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FIGURE 28 HOSPITAL AND PHARMACY ROBOTICS GLOBAL MARKET SHARE, BY REGION, (2019 V/S 2026) (%)

FIGURE 29 PILL DISPENSING ROBOTS GLOBAL MARKET SHARE, BY REGION, (2019 V/S 2026) (%)

FIGURE 30 FILL AND PACK ROBOTS GLOBAL MARKET SHARE, BY REGION, (2019 V/S 2026) (%)

FIGURE 31 OTHER HOSPITAL AND PHARMACY ROBOTS GLOBAL MARKET SHARE, BY REGION, (2019 V/S 2026) (%)

FIGURE 32 MEDICAL ROBOTICS GLOBAL MARKET REVENUE, BY REGION (2018-2026) (\$MN), CAGR (%)

FIGURE 33 MEDICAL ROBOTICS GLOBAL MARKET SHARE, BY GEOGRAPHY (2019) (%)

FIGURE 34 NORTH AMERICA MEDICAL ROBOTICS MARKET SHARE, BY PRODUCT, SURGICAL, REHABILITATION AND HOSPITAL & PHARMACY ROBOTICS, BY PRODUCT TYPE (2019 V/S 2026) (%)

FIGURE 35 NORTH AMERICA SURGICAL ROBOTICS MARKET SHARE, BY APPLICATION (2019) (%), CAGR (%)

FIGURE 36 NORTH AMERICA MEDICAL ROBOTICS MARKET SHARE, BY COUNTRY (2019 V/S 2026) (%)

FIGURE 37 U.S. MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026) (\$MN)

FIGURE 38 REST OF NORTH AMERICA MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026) (\$MN)

FIGURE 39 EUROPE MEDICAL ROBOTICS MARKET SHARE, BY PRODUCT,

SURGICAL, REHABILITATION AND HOSPITAL & PHARMACY ROBOTICS BY  
PRODUCT TYPE (2019 V/S 2026) (%)

FIGURE 40 EUROPE SURGICAL ROBOTICS MARKET SHARE, BY APPLICATION  
(2019) (%), CAGR (%)

FIGURE 41 EUROPE MEDICAL ROBOTICS MARKET SHARE, BY COUNTRY (2019  
V/S 2026) (%)

FIGURE 42 ITALY MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND  
SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026)  
(\$MN)

FIGURE 43 FRANCE MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND  
SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026)  
(\$MN)

FIGURE 44 GERMANY MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT  
AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026)  
(\$MN)

FIGURE 45 REST OF EUROPE MEDICAL ROBOTICS MARKET REVENUE, BY  
PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION  
(2019 V/S 2026) (\$MN)

FIGURE 46 APAC MEDICAL ROBOTICS MARKET SHARE, BY PRODUCT,  
SURGICAL, REHABILITATION AND HOSPITAL & PHARMACY ROBOTICS BY  
PRODUCT TYPE (2019 V/S 2026) (%)

FIGURE 47 APAC SURGICAL ROBOTICS MARKET SHARE, BY APPLICATION  
(2019) (%), CAGR (%)

FIGURE 48 APAC MEDICAL ROBOTICS MARKET SHARE, BY COUNTRY (2019 V/S  
2026) (%)

FIGURE 49 JAPAN MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND  
SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026)  
(\$MN)

FIGURE 50 SOUTH KOREA MEDICAL ROBOTICS MARKET REVENUE, BY  
PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION  
(2019 V/S 2026) (\$MN)

FIGURE 51 CHINA MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND  
SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026)  
(\$MN)

FIGURE 52 REST OF APAC MEDICAL ROBOTICS MARKET REVENUE, BY  
PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION  
(2019 V/S 2026) (\$MN)

FIGURE 53 ROW MEDICAL ROBOTICS MARKET SHARE, BY PRODUCT,  
SURGICAL, REHABILITATION AND HOSPITAL & PHARMACY ROBOTICS, BY

PRODUCT TYPE (2019 V/S 2026) (%)

FIGURE 54 ROW SURGICAL ROBOTICS MARKET SHARE, BY APPLICATION (2019) (%), CAGR (%)

FIGURE 55 ROW MEDICAL ROBOTICS MARKET SHARE, BY COUNTRY (2019 V/S 2026) (%)

FIGURE 56 TURKEY MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026) (\$MN)

FIGURE 57 BRAZIL MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026) (\$MN)

FIGURE 58 OTHER REST OF THE WORLD MEDICAL ROBOTICS MARKET REVENUE, BY PRODUCT AND SURGICAL ROBOTICS MARKET REVENUE, BY APPLICATION (2019 V/S 2026) (\$MN)

FIGURE 59 KEY GROWTH STRATEGIES, (2017-2019)

FIGURE 60 SWOT: ACCURAY INCORPORATED

FIGURE 61 SWOT: GLOBUS MEDICAL, INC.

FIGURE 62 SWOT: INTUITIVE SURGICAL, INC.

FIGURE 63 SWOT: JOHNSON & JOHNSON

FIGURE 64 SWOT: MEDTRONIC, PLC

FIGURE 65 SWOT: OMNICELL, INC.

FIGURE 66 SWOT: SIEMENS HEALTHINEERS AG

FIGURE 67 SWOT: SMITH & NEPHEW, PLC.

FIGURE 68 SWOT: STRYKER CORPORATION

FIGURE 69 SWOT: ZIMMER BIOMET HOLDINGS, INC.

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