

## **United States Medical Devices Market Report and Forecast 2025-2034**

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### **Report description:**

The United States medical devices market was valued at USD 197.14 Billion in 2024, driven by rapid technological advancements, strong regulatory support, and a robust innovation ecosystem across the region. It is expected to grow at a CAGR of 6.20% during the forecast period of 2025-2034 and attain a market value of USD 359.77 Billion by 2034. The presence of a well-established FDA approval process is fostering trust and accelerating new product launches.

Demographics also play a role. An aging population with chronic conditions like diabetes, cardiovascular disease, and arthritis is increasing demand for long-term care solutions. Hospitals are upgrading equipment to meet new standards, and outpatient centers are purchasing portable and user-friendly systems to manage costs and improve throughput.

Private sector funding is flowing into innovation hubs in cities like Boston, San Diego, and Minneapolis. These ecosystems combine academic research, clinical trials, and manufacturing in one pipeline, giving U.S.-based developers a speed advantage over global competitors. All this adds up to steady market expansion, particularly in high-margin categories like implantable devices, surgical robotics, and smart diagnostics.

### United States Medical Devices Market Overview

Medical devices are essential tools used in the diagnosis, monitoring, and treatment of medical conditions, ranging from basic instruments to advanced surgical equipment. In the United States, these technologies play a critical role in enhancing patient outcomes and streamlining healthcare delivery. With a growing aging population and rising chronic diseases, the demand for innovative and efficient medical devices continues to surge, driving advancements and investments in the healthcare market. The market is expected to grow at a CAGR of 6.20% during the forecast period of 2025-2034 and attain a market value of USD 359.77 Billion by 2034.

### United States Medical Devices Market Growth Drivers

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## High Surgical Demand Driving the Medical Devices Market in the United States

The rising healthcare expenditure and increasing elderly population are significantly driving the demand for surgical procedures in the United States. According to a 2024 AOS Open study, 13.8% of the United States adults aged 50 and above undergo surgery each year, with orthopedic surgeries accounting for 30.4% of procedures. Additionally, the Annals of Thoracic Surgery 2024 report, using the Society of Thoracic Surgeons (STS) Adult Cardiac Surgery Database, revealed over 280,000 adult cardiac surgeries were performed in 2022. These substantial volumes highlight the growing dependence on advanced surgical procedures and technologies. As a result, demand for innovative and efficient medical devices is expected to rise considerably, strengthening the market growth in the forecast period.

## United States Medical Devices Market Trends

Technological advancements and precision imaging innovations are reshaping surgical and diagnostic device trends in the United States.

## Technological Advancements to Accelerate Market Growth

The growing demand for minimally invasive surgical devices and ongoing innovation in care technologies are propelling advancements in the market. For instance, in April 2025, Sight Sciences, Inc. announced the launch of the OMNI Edge Surgical System, expanding its OMNI product line. This cutting-edge surgical solution is set to debut at the 2025 ASCRS Annual Meeting in Los Angeles. The introduction of such precision devices is expected to boost the medical devices market, particularly by supporting high-precision, sterile surgical procedures.

## AI-Driven Imaging Innovations to Advance United States Medical Devices Market Value

The rising demand for accurate diagnostics and reduced imaging downtime is boosting the adoption of technologically advanced medical devices. For instance, in January 2025, Royal Philips introduced the AI-enabled CT 5300 and celebrated over 1,500 installations of its helium-free 1.5T BlueSeal MRI systems. These innovations enhance diagnostic precision, increase workflow efficiency, and minimize operational risks, thereby accelerating growth in the market by addressing efficiency and sustainability challenges in radiology.

## United States Medical Devices Market Segmentation

The market report offers a detailed analysis of the market based on the following segments:

### Market Breakup by Product

- Respiratory Devices
  - ??- Nebulizers
  - ??- Humidifiers
  - ??- Oxygen Concentrators
  - ??- Positive Airway Pressure Devices
  - ??- Ventilators
  - ??- Gas Analyzers
  - ??- Capnographs
  - ??- Others

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- Cardiology Devices
  - ??- Diagnostic and Monitoring Devices
  - ??- Electrocardiogram (ECG)
  - ??- Remote Cardiac Monitoring Devices
  - ??- Others
  - ??- Therapeutic and Surgical Devices
  - ??- Stents
  - ??- Catheters
  - ??- Grafts
  - ??- Heart Valves
  - ??- Others

- Orthopedic Devices
  - ??- Replacement Devices
  - ??- Bone Fixation Devices
  - ??- Orthobiologics
  - ??- Braces
  - ??- Others

- Diagnostic Imaging Devices
  - ??- X-Ray Machines
  - ??- MRI Scanners
  - ??- CT Scanners
  - ??- Ultrasound Systems
  - ??- Nuclear Imaging Devices
  - ??- Others

- Endoscopy Devices
  - ??- Rigid Endoscopy Devices
  - ??- Flexible Endoscopy Devices
  - ??- Capsule Endoscopy Devices
  - ??- Disposable Endoscopy Devices
  - ??- Robot Assisted Endoscopy Devices
  - ??- Endoscopy Visualization Component
  - ??- Operative Devices
  - ??- Others

- Ophthalmology Devices
  - ??- Optical Coherence Tomography Scanners
  - ??- Fundus Cameras
  - ??- Perimeters/Visual Field Analyzers
  - ??- Autorefractors and Keratometers
  - ??- Slit Lamps
  - ??- Wavefront Aberrometers
  - ??- Optical Biometry Systems
  - ??- Corneal Topography Systems
  - ??- Specular Microscopes

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??- Retinoscopes

??- Others

- Others

#### Market Breakup by Application

- Cardiology

- Neurology

- Orthopedics

- Diabetes Care

- Respiratory

- Ophthalmology

- Oncology

- Respiratory

- Others

#### Market Breakup by End User

- Hospitals

- Specialty Clinics

- Homecare Settings

- Ambulatory Surgical Centers

- Others

#### Market Breakup by Region

- New England

- Mideast

- Great Lakes

- Plains

- Southeast

- Southwest

- Rocky Mountain

- Far West

#### United States Medical Devices Market Share

##### Orthopedics to Lead the Segmentation by Application

Orthopedics is expected to dominate the market due to the rising prevalence of musculoskeletal conditions and an aging population. Increasing demand for joint reconstruction, trauma fixation, and spinal implants, alongside technological advancements like robotic-assisted surgery and 3D printing, is accelerating segment growth. As per the analysis by Expert Market Research, the global orthopedic prosthetics market is anticipated to grow at a CAGR of 6.57% during the forecast period of 2025-2034. As orthopedic procedures become more minimally invasive and efficient, the segment is well-positioned to sustain its lead and drive market expansion throughout the forecast period.

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## United States Medical Devices Market Analysis by Region

The market shows regional dynamism. New England and the Mideast benefit from strong academic-medical networks and innovation hubs. The Great Lakes and Plains regions support growth through robust manufacturing infrastructure. The Southeast and Southwest are expanding due to rising healthcare investments and aging populations. Meanwhile, the Rocky Mountain region leverages telehealth adoption, and the Far West, especially California, dominates in R&D and medtech venture capital, driving nationwide innovation and market value.

### Leading Players in the United States Medical Devices Market

The key features of the market report comprise patent analysis, funding and investment analysis, and strategic initiatives by the leading players. The major companies in the market are as follows:

#### Medtronic plc

Headquartered in Minneapolis, Minnesota, Medtronic was established in 1949 and is a global leader in medical technology. It offers a broad portfolio of devices across cardiovascular, diabetes, neurological, and surgical markets in the United States. In April 2025, Medtronic submitted 510(k) applications to the FDA for its MiniMed 780G insulin pump and SmartGuard algorithm, aiming to integrate with Abbott's CGM technology. This move reflects Medtronic's ongoing innovation and its role in advancing the US medical devices market through smart, interoperable systems.

#### Johnson & Johnson MedTech

Founded in 1886 and based in New Brunswick, New Jersey, Johnson & Johnson MedTech is a major player in the US medical devices market. It develops and markets a wide range of products, including surgical instruments, orthopedics, cardiovascular devices, and diagnostic tools. In March 2025, the company showcased its latest digital orthopedic advancements, cutting-edge implants, surgical techniques, and data-driven technologies at the AAOS Annual Meeting. These innovations reinforce its commitment to enhancing surgical precision and improving healthcare outcomes across orthopedic specialties.

#### Fresenius Medical Care AG & Co.

Established in 1996 and headquartered in Waltham, Massachusetts, Fresenius Medical Care is a global leader specializing in dialysis products and services. The company provides innovative medical devices such as dialysis machines, filters, and related disposables, catering primarily to patients with chronic kidney failure in the United States. Fresenius plays a crucial role in renal care by enhancing treatment efficiency and patient quality of life through its integrated care solutions and advanced medical technologies.

#### Abbott

Abbott, founded in 1888 and headquartered in Abbott Park, Illinois, is a diversified healthcare company with a strong presence in the US medical devices market. Its portfolio includes diagnostics, cardiovascular devices, diabetes care products, and neuromodulation technologies. Abbott focuses on developing cutting-edge devices like stents, glucose monitors, and implantable cardiac devices that improve patient outcomes and clinical efficiency. The company is recognized for driving innovation and expanding access to advanced healthcare solutions across the United States.

Other key players in the market include GE Healthcare, Koninklijke Philips N.V., Siemens Healthcare GmbH, and 3M Company.

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## Key Questions Answered in the United States Medical Devices Market

- What was the United States medical devices market value in 2024?
- What is the United States medical devices market forecast outlook for 2025-2034?
- What are the major factors aiding the United States medical devices market demand?
- How has the market performed so far, and how is it anticipated to perform in the coming years?
- What are the market's major drivers, opportunities, and restraints?
- What are the major United States medical devices market trends?
- Which product will lead the market segment?
- Which application will lead the market segment?
- Which end user will lead the market segment?
- Who are the key players involved in the United States medical devices market?
- What are the current unmet needs and challenges in the market?
- How are partnerships, collaborations, mergers, and acquisitions among the key market players shaping the market dynamics?

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