

## **Anesthesia Devices - A Global Market Overview**

Market Report | 2025-02-10 | 207 pages | Industry Experts

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### **Report description:**

#### Global Anesthesia Devices Market Trends and Outlook

Anesthesia devices are vital tools that initiate and maintain anesthesia throughout surgical procedures or medical interventions while ensuring patient safety and comfort. These devices encompass delivery machines that provide anesthetics and oxygen, monitoring systems that observe vital signs such as heart rate, blood pressure, and oxygen saturation, and disposables like masks and breathing circuits designed to maintain sterilization standards. The Monitored Anesthesia Care (MAC) service offers continuous oversight to enhance patient conditions before procedures and ensure stability during surgery, whereas Anesthesia Information Management Systems (AIMS) facilitate data management and improve procedural safety. Commonly used in fields such as cardiology, orthopedics, and neurology, these devices help identify complications at an early stage, assist in vital management, and mitigate risks. Although they may have potential side effects, including confusion or swelling after procedures, their importance in pain management, anxiety alleviation, and sustaining patient stability during intricate surgeries underscores their critical role.

The global anesthesia devices market is estimated to be valued at US\$17.1 billion in 2024, and is projected to reach US\$27.3 billion by 2030, registering a CAGR of 8.1% from 2024 to 2030. The global anesthesia devices market is driven by the growing number of surgical procedures, particularly in cardiology, neurology, and orthopedics. The rising prevalence of chronic illnesses and age-related conditions in the geriatric population has further fueled demand, as these often require surgical interventions. Additionally, the increase in high-impact injuries from accidents has led to a surge in orthopedic surgeries involving anesthesia. Technological advancements in anesthesia delivery systems, such as real-time monitoring and automated dosing, are enhancing patient safety and operational efficiency. Government initiatives and heightened healthcare investments, especially in emerging regions, are improving access to modern anesthesia technologies. The aging population and the rising prevalence of cardiovascular diseases (CVDs) are also driving demand for anesthesia during cardiac surgeries, contributing to the overall market expansion.

#### Anesthesia Devices Regional Market Analysis

North America holds the largest share of the global anesthesia devices market at 40.8% in 2024, attributed to its sophisticated healthcare system, high rates of surgical procedures, and substantial healthcare expenditures. The increasing elderly population in the U.S. and Canada also propels the demand for anesthesia devices, bolstered by advancements such as automated delivery

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systems and Anesthesia Information Management Systems (AIMS). Conversely, the Asia-Pacific region is experiencing the fastest growth, with a projected CAGR of more than 10% during the forecast period 2024-2030, driven by improvements in healthcare infrastructure, rising surgical numbers, and supportive government initiatives in countries like China and India. Additionally, the growth of disposable incomes and increased healthcare investments are contributing to the expansion of the market in this region.

#### Anesthesia Devices Market Analysis by Product

The global anesthesia devices market is segmented into anesthesia delivery machines, anesthesia disposables & accessories, anesthesia monitors, and anesthesia information management systems (AIMS). Anesthesia delivery machines dominate the market, accounting for 37.5% of the share in 2024. This dominance is driven by their critical role in delivering anesthetic gases and oxygen during surgical procedures, along with technological advancements enhancing patient safety and operational efficiency. The growing elderly population and increasing number of surgeries further boost their prominence. Meanwhile, the anesthesia monitors segment is projected to record the fastest growth with a CAGR of 9.4% from 2024 to 2030, fueled by innovations such as advanced features for tracking oxygen saturation, pulse rate, and comprehensive patient monitoring systems.

#### Anesthesia Devices Market Analysis by Application

The global market for anesthesia devices is categorized by application, including orthopedics, cardiology, urology, dental, neurology, ophthalmology, and others. Among these, the orthopedics segment leads the market, representing 22.2% of the share in 2024. This dominance is attributed to the rising incidence of orthopedic conditions, an expanding elderly population, and increased awareness surrounding orthopedic surgical procedures. On the other hand, cardiology is the most rapidly expanding segment within the anesthesia devices market, with a CAGR of 9.7% from 2024 to 2030. This growth is fueled by the higher prevalence of cardiovascular illnesses, including heart failure and arrhythmias, as well as a growing number of cardiac surgeries, such as coronary artery bypass grafts and valve replacements. Technological advancements, like real-time monitoring and automated dosing systems, enhance the accuracy and safety of anesthesia during intricate cardiology operations.

#### Anesthesia Devices Market Report Scope

This global report on Anesthesia Devices analyzes the global and regional markets based on product and application for the period 2021-2030 with forecasts from 2024 to 2030 in terms of value in US\$. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of how and where the market is progressing.

#### Key Metrics

Historical Period: 2021-2023

Base Year: 2024

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 25+

#### Anesthesia Devices Market by Geographic Region

- North America (The United States, Canada, and Mexico)
- Europe (Germany, France, United Kingdom, Italy, Spain, and Rest of Europe)
- Asia-Pacific (Japan, China, India, South Korea, and Rest of Asia-Pacific)
- Rest of World

#### Anesthesia Devices Market by Product

- Anesthesia Delivery Machines
- Anesthesia Disposables & Accessories

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- Anesthesia Monitors
- Anesthesia Information Management Systems (AIMS)

#### Anesthesia Devices Market by Application

- Orthopedics
- Cardiology
- Urology
- Dental
- Neurology
- Ophthalmology
- Other Applications (Including General Surgery, ENT and Others)

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- Cardinal Health, Inc.
- Dr?gerwerk AG & Co. KGaA
- Fisher & Paykel Healthcare Limited
- GE HealthCare
- Getinge AB
- ICU Medical
- Infinium Medical, Inc.

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- Intersurgical Ltd
- Koninklijke Philips N.V.
- Leventon S.A.U.
- Masimo Corporation
- Medtronic plc
- Mindray Medical International Limited
- Nihon Kohden Corporation
- Parker Healthcare Pty Ltd.
- Penlon Limited
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