+357 96 030922
info@marketpublishers.com

# Anesthesia & Respiratory Monitoring Devices Market Forecasts to 2034 - Global Analysis By Device Type (Anesthesia Devices and Respiratory Monitoring Devices), Application, End User and By Geography

https://marketpublishers.com/r/AD17F0973304EN.html
Date: October 2026
Pages: 200
Price: US$ 4,150.00 (Single User License)
ID: AD17F0973304EN

## Abstracts

According to Stratistics MRC, the Global Anesthesia & Respiratory Monitoring Devices Market is accounted for $3.2 billion in 2026 and is expected to reach $6.8 billion by 2034 growing at a CAGR of 9.9% during the forecast period. Anesthesia & Respiratory Monitoring Devices comprise medical technologies designed to track patients' physiological and respiratory conditions during anesthesia, surgery, and intensive care. The category covers anesthesia workstations and monitors, capnography equipment, pulse oximetry devices, respiratory gas analyzers, ventilator monitoring systems, and integrated monitoring solutions. These technologies help clinicians recognize oxygenation problems, ventilation abnormalities, physiological changes, and anesthesia-related risks promptly. Rising surgical activity, stronger patient-safety requirements, expanding intensive-care infrastructure, and advancements in connected and automated monitoring technologies are contributing to broader utilization across healthcare facilities worldwide.

According to WHO, 5 billion people globally lack access to safe, affordable surgical and anaesthesia care, while about 143 million additional surgeries are needed each year. This supports the long-term need for anesthesia-related equipment and monitoring technologies as surgical capacity expands.

## Market Dynamics:

### Driver:

#### Rising surgical procedures and perioperative monitoring requirements

+357 96 030922
info@marketpublishers.com

Increasing surgical activity is supporting the adoption of anesthesia and respiratory monitoring devices because healthcare professionals need continuous visibility into oxygen levels, ventilation, cardiovascular parameters, and other vital functions throughout procedures. Population aging and the rising burden of chronic conditions are also increasing the need for surgical and hospital treatments. Meanwhile, stronger attention to perioperative safety encourages earlier recognition of physiological changes. Consequently, hospitals, ambulatory surgical centers, and other healthcare facilities are increasingly incorporating sophisticated monitoring technologies to improve continuous observation and support clinical decision-making.

## Restraint:

### High cost of advanced monitoring equipment

Expensive advanced monitoring technologies can limit the adoption of anesthesia and respiratory monitoring devices, especially in smaller hospitals, outpatient facilities, and institutions facing financial constraints. Modern systems may involve significant spending on equipment acquisition, software, installation, integration, and workforce training. Ongoing costs for maintenance, calibration, replacement parts, and technology upgrades can further raise ownership expenses. As a result, some healthcare providers may retain existing conventional monitoring systems for longer periods, postponing modernization initiatives and restricting the penetration of sophisticated monitoring solutions in price-sensitive healthcare markets worldwide.

## Opportunity:

### Expansion of remote and connected patient monitoring

Growing adoption of connected and remote healthcare models offers opportunities for manufacturers of anesthesia and respiratory monitoring devices to introduce solutions capable of collecting and transmitting patient data across different care settings. Wireless technologies, cloud platforms, wearable sensors, and remote-access capabilities can facilitate observation during recovery, intensive care, and selected home-care applications. Linking monitoring technologies with electronic health records and telehealth systems may improve clinician access to patient information. This shift toward connected care creates opportunities for interoperable devices, digital platforms, and remote monitoring services.

## Threat:

### Cybersecurity and data privacy risks

+357 96 030922
info@marketpublishers.com

Greater connectivity across anesthesia and respiratory monitoring technologies increases exposure to cybersecurity and patient-data protection challenges. Devices connected to hospital networks, cloud environments, and remote monitoring platforms can potentially face unauthorized access, malicious software, or information breaches. Growing integration with digital healthcare infrastructure requires manufacturers to improve authentication, encryption, software maintenance, and overall security capabilities. Security incidents may result in higher compliance expenses, operational interruptions, reputational concerns, and reduced confidence among healthcare providers, potentially creating obstacles to broader adoption of connected monitoring solutions.

### Covid-19 Impact:

COVID-19 influenced the Anesthesia & Respiratory Monitoring Devices Market by creating substantial requirements for respiratory monitoring technologies across intensive-care units and emergency departments. Healthcare facilities increased utilization of pulse oximetry, capnography, ventilator monitoring systems, and multiparameter monitoring equipment for patients with serious respiratory conditions. Manufacturers also encountered supply chain interruptions and production challenges. Later investments in critical-care infrastructure and pandemic preparedness supported continued attention toward advanced respiratory monitoring technologies.

## The critical care segment is expected to be the largest during the forecast period

The critical care segment is expected to account for the largest market share during the forecast period due to the intensive monitoring requirements of critically ill patients. Intensive care settings routinely manage individuals with serious respiratory problems, complicated recovery needs, and unstable physiological conditions, generating consistent demand for monitoring technologies. Capnography equipment, pulse oximetry, ventilator monitoring systems, and multiparameter platforms are important components of critical-care practices. Continuous patient observation, timely detection of physiological changes, and effective respiratory management contribute to widespread use of these monitoring devices in critical-care environments.

## The home care settings segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the home care settings segment is predicted to witness the

+357 96 030922
info@marketpublishers.com

highest growth rate as healthcare delivery increasingly moves toward convenient, decentralized care. The adoption of portable, connected, and user-friendly monitoring technologies is expanding opportunities for monitoring patients outside traditional hospital environments. Remote monitoring solutions, wearable devices, wireless communication, and digital healthcare platforms enable clinicians to maintain patient oversight from a distance. Efforts to minimize hospital stays, enhance patient convenience, and facilitate ongoing respiratory management are also supporting this segment's expansion.

## Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share due to its developed healthcare infrastructure, technologically advanced hospitals, and extensive use of modern medical equipment. Monitoring technologies are widely required across operating rooms, intensive-care units, and emergency departments. The region utilizes respiratory gas monitors, anesthesia workstations, ventilator monitoring solutions, and integrated patient-monitoring platforms. Established safety standards and regulatory requirements further support adoption of sophisticated devices. Together, these factors contribute to strong utilization of anesthesia and respiratory monitoring technologies throughout North American healthcare facilities.

## Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, driven by improving healthcare infrastructure, rising medical expenditure, and increasing investment in healthcare technologies. Developing healthcare systems across the region are expanding hospital capacity and adopting modern monitoring solutions. Growing requirements for surgical procedures, intensive care, and respiratory management are further supporting demand. According to OECD and WHO, healthcare spending has increased across Asia Pacific, while several countries are strengthening capital investment in healthcare equipment and technology, creating favorable conditions for monitoring-device adoption.

## Key players in the market

Some of the key players in Anesthesia & Respiratory Monitoring Devices Market include Medtronic, GE HealthCare, Dr?ger, Masimo, Nihon Kohden, Philips, Mindray, Schiller, Nonin Medical, Infinium Medical, Fukuda Denshi, Spacelabs Healthcare, Edan Instruments, Shenzhen Comen Medical Instruments, B. Braun, Getinge, Criticare

+357 96 030922
info@marketpublishers.com

Systems and Heyer Medical.

## Key Developments:

In April 2026, GE HealthCare announced an expanded collaboration with DeepHealth, Inc, to further the innovation, commercialization, and adoption of advanced AI-powered mammography tools. The announcement coincides with the Society of Breast Imaging (SBI) Annual Symposium, where GE HealthCare will showcase its latest advancements in breast imaging and women's health.

In February 2026, Medtronic has agreed to acquire CathWorks, an Israeli medtech company focused on the diagnosis and treatment of coronary artery disease, for up to $585 million. CathWorks is known for its FFRangio technology, which uses advanced artificial intelligence (AI) algorithms and computational science to obtain fractional flow reserve (FFR) measurements of the coronary tree from routine X-ray images.

## Device Types Covered:

Anesthesia Devices

Respiratory Monitoring Devices

## Applications Covered:

Surgical Procedures

Critical Care

Emergency Care

Home Monitoring

## End Users Covered:

Hospitals

+357 96 030922
info@marketpublishers.com

Ambulatory Surgical Centers (ASCs)

Clinics

Home Care Settings

## Regions Covered:

North America
- United States
- Canada
- Mexico

Europe
- United Kingdom
- Germany
- France
- Italy
- Spain
- Netherlands
- Belgium
- Sweden
- Switzerland
- Poland

+357 96 030922
info@marketpublishers.com

- Rest of Europe

Asia Pacific
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America
- Brazil
- Argentina
- Colombia
- Chile
- Peru
- Rest of South America

+357 96 030922
info@marketpublishers.com

Rest of the World (RoW)
- Middle East
  - Saudi Arabia
  - United Arab Emirates
  - Qatar
  - Israel
  - Rest of Middle East
- Africa
  - South Africa
  - Egypt
  - Morocco
  - Rest of Africa

## What our report offers:

Market share assessments for the regional and country-level segments

Strategic recommendations for the new entrants

Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

+357 96 030922
info@marketpublishers.com

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

## Free Customization Offerings:

## All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

# Contents

## 1 EXECUTIVE SUMMARY

1.1 Market Snapshot and Key Highlights
1.2 Growth Drivers, Challenges, and Opportunities
1.3 Competitive Landscape Overview
1.4 Strategic Insights and Recommendations

## 2 RESEARCH FRAMEWORK

2.1 Study Objectives and Scope
2.2 Stakeholder Analysis
2.3 Research Assumptions and Limitations
2.4 Research Methodology
2.4.1 Data Collection (Primary and Secondary)
2.4.2 Data Modeling and Estimation Techniques
2.4.3 Data Validation and Triangulation
2.4.4 Analytical and Forecasting Approach

## 3 MARKET DYNAMICS AND TREND ANALYSIS

3.1 Market Definition and Structure
3.2 Key Market Drivers
3.3 Market Restraints and Challenges
3.4 Growth Opportunities and Investment Hotspots
3.5 Industry Threats and Risk Assessment
3.6 Technology and Innovation Landscape
3.7 Emerging and High-Growth Markets
3.8 Regulatory and Policy Environment
3.9 Impact of COVID-19 and Recovery Outlook

## 4 COMPETITIVE AND STRATEGIC ASSESSMENT

4.1 Porter's Five Forces Analysis
4.1.1 Supplier Bargaining Power
4.1.2 Buyer Bargaining Power
4.1.3 Threat of Substitutes
4.1.4 Threat of New Entrants

+357 96 030922
info@marketpublishers.com

4.1.5 Competitive Rivalry
4.2 Market Share Analysis of Key Players
4.3 Product Benchmarking and Performance Comparison

**5 GLOBAL ANESTHESIA & RESPIRATORY MONITORING DEVICES MARKET, BY DEVICE TYPE**

5.1 Anesthesia Devices
5.1.1 Anesthesia Machines
5.1.2 Anesthesia Workstations
5.1.3 Ventilators
5.1.4 Accessories & Consumables
5.2 Respiratory Monitoring Devices
5.2.1 Pulse Oximeters
5.2.2 Capnography Devices
5.2.3 Spirometers
5.2.4 Sleep Apnea Monitors
5.2.5 Respiratory Gas Monitors

**6 GLOBAL ANESTHESIA & RESPIRATORY MONITORING DEVICES MARKET, BY APPLICATION**

6.1 Surgical Procedures
6.2 Critical Care
6.3 Emergency Care
6.4 Home Monitoring

**7 GLOBAL ANESTHESIA & RESPIRATORY MONITORING DEVICES MARKET, BY END USER**

7.1 Hospitals
7.2 Ambulatory Surgical Centers (ASCs)
7.3 Clinics
7.4 Home Care Settings

**8 GLOBAL ANESTHESIA & RESPIRATORY MONITORING DEVICES MARKET, BY GEOGRAPHY**

8.1 North America

+357 96 030922
info@marketpublishers.com

8.1.1 United States
8.1.2 Canada
8.1.3 Mexico
8.2 Europe
8.2.1 United Kingdom
8.2.2 Germany
8.2.3 France
8.2.4 Italy
8.2.5 Spain
8.2.6 Netherlands
8.2.7 Belgium
8.2.8 Sweden
8.2.9 Switzerland
8.2.10 Poland
8.2.11 Rest of Europe
8.3 Asia Pacific
8.3.1 China
8.3.2 Japan
8.3.3 India
8.3.4 South Korea
8.3.5 Australia
8.3.6 Indonesia
8.3.7 Thailand
8.3.8 Malaysia
8.3.9 Singapore
8.3.10 Vietnam
8.3.11 Rest of Asia Pacific
8.4 South America
8.4.1 Brazil
8.4.2 Argentina
8.4.3 Colombia
8.4.4 Chile
8.4.5 Peru
8.4.6 Rest of South America
8.5 Rest of the World (RoW)
8.5.1 Middle East
8.5.1.1 Saudi Arabia
8.5.1.2 United Arab Emirates
8.5.1.3 Qatar

+357 96 030922
info@marketpublishers.com

8.5.1.4 Israel
8.5.1.5 Rest of Middle East
8.5.2 Africa
8.5.2.1 South Africa
8.5.2.2 Egypt
8.5.2.3 Morocco
8.5.2.4 Rest of Africa

**9 STRATEGIC MARKET INTELLIGENCE**

9.1 Industry Value Network and Supply Chain Assessment
9.2 White-Space and Opportunity Mapping
9.3 Product Evolution and Market Life Cycle Analysis
9.4 Channel, Distributor, and Go-to-Market Assessment

**10 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES**

10.1 Mergers and Acquisitions
10.2 Partnerships, Alliances, and Joint Ventures
10.3 New Product Launches and Certifications
10.4 Capacity Expansion and Investments
10.5 Other Strategic Initiatives

**11 COMPANY PROFILES**

11.1 Medtronic
11.2 GE HealthCare
11.3 Dr?ger
11.4 Masimo
11.5 Nihon Kohden
11.6 Philips
11.7 Mindray
11.8 Schiller
11.9 Nonin Medical
11.10 Infinium Medical
11.11 Fukuda Denshi
11.12 Spacelabs Healthcare
11.13 Edan Instruments
11.14 Shenzhen Comen Medical Instruments

+357 96 030922
info@marketpublishers.com

11.15 B. Braun
11.16 Getinge
11.17 Criticare Systems
11.18 Heyer Medical

List of Tables

Table 1 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Region (2023-2034) ($MN)
Table 2 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Device Type (2023-2034) ($MN)
Table 3 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Anesthesia Devices (2023-2034) ($MN)
Table 4 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Anesthesia Machines (2023-2034) ($MN)
Table 5 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Anesthesia Workstations (2023-2034) ($MN)
Table 6 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Ventilators (2023-2034) ($MN)
Table 7 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Accessories & Consumables (2023-2034) ($MN)
Table 8 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Respiratory Monitoring Devices (2023-2034) ($MN)
Table 9 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Pulse Oximeters (2023-2034) ($MN)
Table 10 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Capnography Devices (2023-2034) ($MN)
Table 11 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Spirometers (2023-2034) ($MN)
Table 12 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Sleep Apnea Monitors (2023-2034) ($MN)
Table 13 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Respiratory Gas Monitors (2023-2034) ($MN)
Table 14 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Application (2023-2034) ($MN)
Table 15 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Surgical Procedures (2023-2034) ($MN)
Table 16 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Critical Care (2023-2034) ($MN)
Table 17 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Emergency Care (2023-2034) ($MN)

+357 96 030922
info@marketpublishers.com

Table 18 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Home Monitoring (2023-2034) ($MN)
Table 19 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By End User (2023-2034) ($MN)
Table 20 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Hospitals (2023-2034) ($MN)
Table 21 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Ambulatory Surgical Centers (ASCs) (2023-2034) ($MN)
Table 22 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Clinics (2023-2034) ($MN)
Table 23 Global Anesthesia & Respiratory Monitoring Devices Market Outlook, By Home Care Settings (2023-2034) ($MN)
Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

+357 96 030922
info@marketpublishers.com

## I would like to order

Product name: Anesthesia & Respiratory Monitoring Devices Market Forecasts to 2034 - Global Analysis By Device Type (Anesthesia Devices and Respiratory Monitoring Devices), Application, End User and By Geography

Product link: https://marketpublishers.com/r/AD17F0973304EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/AD17F0973304EN.html