

# **Multiparameter Patient Monitoring Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

<https://marketpublishers.com/r/MB68CE7CEE95EN.html>

Date: December 2024

Pages: 135

Price: US\$ 4,850.00 (Single User License)

ID: MB68CE7CEE95EN

## **Abstracts**

The Global Multiparameter Patient Monitoring Market, valued at USD 10.8 billion in 2024, is projected to expand at a CAGR of 7.3% from 2025 to 2034. This market involves the continuous or periodic tracking of multiple vital physiological parameters simultaneously, using sophisticated monitoring systems that integrate advanced technology to improve accuracy, precision, and early detection of various health conditions.

As healthcare systems worldwide move towards more patient-centric approaches, the demand for reliable and real-time monitoring solutions has surged. These systems not only provide in-depth analysis of vital signs but also enable clinicians to take proactive measures, preventing complications before they escalate. The market is poised to grow even further with the rising adoption of telemedicine, the increasing prevalence of chronic diseases, and an expanding geriatric population in many regions. Advances in artificial intelligence (AI) and machine learning are expected to further elevate the effectiveness of these systems, enabling even more personalized and precise healthcare interventions.

The market is segmented into portable and fixed systems, with portable devices leading the market in terms of revenue generation. This growth is primarily driven by the increasing demand for remote patient monitoring, especially in home healthcare environments. Portable devices offer unparalleled flexibility, allowing patients to be monitored continuously outside of hospital settings. This is particularly beneficial for individuals with chronic conditions who require ongoing observation. The ability to track vital signs in real time gives patients more autonomy, while also ensuring that healthcare providers are kept informed of any significant changes in their condition. This

convenience has led to a substantial surge in demand, which is expected to continue throughout the forecast period.

The market is further divided into high-acuity and mid/low-acuity categories, with the mid/low-acuity segment capturing a substantial market share in 2024. This segment is anticipated to experience significant growth as healthcare providers focus on enhancing patient safety and well-being across various settings, including general hospital wards and step-down units. These areas need basic yet effective monitoring solutions that can detect even subtle shifts in a patient's condition, which can then trigger timely medical responses. As healthcare becomes increasingly focused on early intervention and preventative care, the adoption of mid/low-acuity monitoring systems is expected to rise.

In the U.S., the multiparameter patient monitoring market generated USD 3.7 billion in 2024. This growth is largely attributed to an aging population, rising chronic disease rates, and the increasing acceptance of cutting-edge healthcare technologies. U.S. healthcare systems are increasingly incorporating advanced technologies such as AI and machine learning, driving innovation in monitoring systems and improving their functionality. The rising demand for both hospital-based and home care monitoring solutions continues to support market growth in the region.

## Contents

### CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market scope and definitions
- 1.2 Research design
  - 1.2.1 Research approach
  - 1.2.2 Data collection methods
- 1.3 Base estimates and calculations
  - 1.3.1 Base year calculation
  - 1.3.2 Key trends for market estimation
- 1.4 Forecast model
- 1.5 Primary research and validation
  - 1.5.1 Primary sources
  - 1.5.2 Data mining sources

### CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry 360° synopsis

### CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Industry impact forces
  - 3.2.1 Growth drivers
    - 3.2.1.1 Rising incidence of chronic diseases
    - 3.2.1.2 Increasing awareness regarding multiparameter monitors
    - 3.2.1.3 Growing adoption of portable home multiparameter patient monitoring device
    - 3.2.1.4 Integration of advanced technology within the multiparameter monitors
  - 3.2.2 Industry pitfalls and challenges
    - 3.2.2.1 Stringent regulatory framework
    - 3.2.2.2 High cost of multiparameter monitoring device
- 3.3 Growth potential analysis
- 3.4 Regulatory landscape
  - 3.4.1 U.S.
  - 3.4.2 Europe
- 3.5 Technology landscape
- 3.6 Future market trends
- 3.7 Gap analysis

3.8 Porter's analysis

3.9 PESTEL analysis

## **CHAPTER 4 COMPETITIVE LANDSCAPE, 2024**

4.1 Introduction

4.2 Company market share analysis

4.3 Competitive analysis of major market players

4.4 Competitive positioning matrix

4.5 Strategy dashboard

## **CHAPTER 5 MARKET ESTIMATES AND FORECAST, BY DEVICE TYPE, 2021 – 2034 (\$ MN)**

5.1 Key trends

5.2 Portable

5.3 Fixed

## **CHAPTER 6 MARKET ESTIMATES AND FORECAST, BY ACUITY LEVEL, 2021 – 2034 (\$ MN)**

6.1 Key trends

6.2 High-acuity level

6.3 Mid/low-acuity level

## **CHAPTER 7 MARKET ESTIMATES AND FORECAST, BY END USE, 2021 – 2034 (\$ MN)**

7.1 Key trends

7.2 Hospital

7.3 Homecare settings

7.4 Ambulatory surgical centers

## **CHAPTER 8 MARKET ESTIMATES AND FORECAST, BY REGION, 2021 – 2034 (\$ MN)**

8.1 Key trends

8.2 North America

8.2.1 U.S.

- 8.2.2 Canada
- 8.3 Europe
  - 8.3.1 Germany
  - 8.3.2 UK
  - 8.3.3 France
  - 8.3.4 Spain
  - 8.3.5 Italy
  - 8.3.6 Netherlands
- 8.4 Asia Pacific
  - 8.4.1 China
  - 8.4.2 Japan
  - 8.4.3 India
  - 8.4.4 Australia
  - 8.4.5 South Korea
- 8.5 Latin America
  - 8.5.1 Brazil
  - 8.5.2 Mexico
  - 8.5.3 Argentina
- 8.6 Middle East and Africa
  - 8.6.1 South Africa
  - 8.6.2 Saudi Arabia
  - 8.6.3 UAE

## **CHAPTER 9 COMPANY PROFILES**

- 9.1 Baxter International
- 9.2 BPL Medical Technologies
- 9.3 Dragerwerk
- 9.4 GE Healthcare
- 9.5 Koninklijke Philips
- 9.6 Medion
- 9.7 Medtronic
- 9.8 Mindray
- 9.9 Murata Vios
- 9.10 Nihon Kohden Corporation
- 9.11 Opto Circuits
- 9.12 OSI Systems
- 9.13 Schiller Healthcare
- 9.14 Skanray Technologies

## 9.15 Zoll Medical

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