

## **Global Portable Medical Devices Market - Products and Applications**

Market Report | 2024-11-06 | 268 pages | Industry Experts

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### **Report description:**

#### Portable Medical Devices Market Trends and Outlook

Portable medical devices are compact, mobile healthcare instruments designed for the real-time observation and management of health metrics outside conventional medical settings. These devices include a wide range of products, such as blood glucose monitors, pulse oximeters, portable ECGs, nebulizers, and handheld ultrasound machines. Their main benefit is the ability to monitor health parameters at any time and place, significantly lessening the need for frequent visits to healthcare facilities. This convenience proves especially advantageous for individuals living in remote or underserved regions, where access to medical services may be challenging. These devices make health monitoring more accessible, enabling a larger population to manage their health proactively. Continuous monitoring of vital signs with these devices allows for the early identification of potential health concerns, leading to timely interventions and better management of chronic illnesses.

Additionally, many of these devices can connect with smartphones and other mobile gadgets, enhancing remote patient monitoring functions. This integration supports proactive health management and contributes to reducing the need for hospitalizations and associated healthcare expenses. The importance of portable medical devices is especially evident during global health emergencies, as they relieve pressure on healthcare systems by enabling efficient remote monitoring and care. The global market for Portable Medical Devices is anticipated to record a CAGR of 9.8% during the 2024-2030 analysis period and stand at a projected US\$127 billion by 2030 from an estimated US\$72.5 billion in 2024.

The portable medical devices market is primarily driven by the growing incidence of chronic illnesses that require effective management solutions. These conditions require continuous monitoring and treatment, leading to a strong demand for portable devices that enable individuals to track and manage their health in real-time from home. The increasing adoption of advanced wearable devices also significantly boosts market growth. These devices, such as smartwatches and health monitors, offer improved data accuracy and enhance patient engagement, making health monitoring easier and more convenient. Moreover, the rising emphasis on home healthcare solutions, fueled by an aging population and demographic shifts, fosters the need for portable devices that facilitate remote monitoring. Technological advancements, especially the integration of artificial intelligence (AI) and the Internet of Things (IoT), have further improved the functionality and efficiency of these devices. Additionally, government initiatives promoting preventive healthcare and enhancing access to health monitoring solutions aid market expansion.

#### Portable Medical Devices Regional Market Analysis

North America leads the global market for portable medical devices, capturing 40.4% market share in 2024 due to its advanced

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healthcare systems, high consumer demand, and an increasing occurrence of chronic illnesses. The increasing elderly population and the rise in telehealth usage, supportive regulatory and reimbursement frameworks further contribute to market expansion. In contrast, the Asia-Pacific region is expected to witness rapid growth with a CAGR of 11.2% during the forecast period 2024-2030, driven by an increasing geriatric population, rising disposable incomes, and growing health awareness, especially in emerging countries such as China and India. The focus on local production and innovation in cost-effective portable medical devices boosts market dynamics in this region, positioning it as the fastest-growing segment worldwide.

#### Portable Medical Devices Market Analysis by Product

The portable medical devices market is segmented into monitoring devices, diagnostic imaging devices, therapeutic devices, and smart wearable medical devices. Among these, the monitoring devices segment is the largest, holding an estimated 48.5% share in 2024. This dominance is driven by increased adoption, regulatory approvals, and technological advancements that enhance portability and compactness. An aging population and rising prevalence of chronic diseases, which increase the demand for continuous health monitoring, support this segment's leading position. Conversely, the smart wearable medical devices segment is projected to record the fastest CAGR of 12.2% from 2024 to 2030, spurred by growing consumer interest in fitness and health-tracking solutions. Increasing health awareness, a focus on preventive care, and advanced, innovative devices that meet consumer demand are boosting this growth.

#### Portable Medical Devices Market Analysis by Application

The market for portable medical devices is segmented into cardiology, gynecology, orthopedics, gastrointestinal, respiratory, urology, neurology, and other applications. The cardiology application is expected to hold the largest market share at 29.8% in 2024, fueled by technological advancements that improve the diagnosis and management of heart conditions. Medical devices like Holter monitors and ECG machines enable remote monitoring, particularly for elderly people needing ongoing heart health management. The increasing prevalence of obesity and health problems related to lifestyle further strengthens the need for continuous cardiac monitoring, as cardiovascular diseases remain a leading cause of illness and death. Conversely, the gynecology application is projected to experience significant growth with a CAGR of 11.4% during the analysis period 2024-2030, driven by the rising adoption of imaging technologies and portable monitoring solutions. The rising incidence of gynecological issues and a higher rate of births contribute to the increasing necessity for advanced portable devices in this field, boosting improved outcomes and lowering the rates of congenital abnormalities.

#### Portable Medical Devices Market Analysis by End-User

The portable medical devices market is segmented into hospitals and clinics, physicians' offices, home care settings, and other end-users. The hospitals and clinics end-user segment led the market cornering with an estimated share of 45.7% in 2024, driven by the increased accessibility and flexibility of portable medical devices. These devices reduce issues such as crowded hospital environments and staffing shortages by streamlining workflows, facilitating point-of-care diagnostics, and supporting mobile monitoring, which aids in discharging patients sooner. Conversely, the homecare segment is anticipated to record the fastest CAGR of 11% during the forecast period as healthcare systems focus more on home-based care. Portable medical devices like glucometers and blood pressure monitors enable patients with chronic conditions to manage their health easily, resulting in better health outcomes and reduced regular hospital visits.

#### Portable Medical Devices Market Report Scope

This global report on Portable Medical Devices analyzes the market based on product, application, and end-users. 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: 2023

Forecast Period: 2024-2030

Units: Value market in US\$

Companies Mentioned: 15+

#### Portable Medical Devices Market by Geographic Region

- [ ] North America (The United States, Canada, and Mexico)

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- Europe (Germany, France, United Kingdom, Italy, Spain, and Rest of Europe)
- Asia-Pacific (Japan, China, India, South Korea, and Rest of Asia-Pacific)
- South America (Brazil, Argentina, and Rest of South America)
- Rest of World

#### Portable Medical Devices Market by Product

- Monitoring Devices
- Diagnostic Imaging Devices
- Therapeutic devices
- Smart Wearable Medical Devices

#### Portable Medical Devices Market by Application

- Cardiology
- Gynecology
- Orthopedics
- Gastrointestinal
- Respiratory
- Urology
- Neurology
- Other Applications (Including Musculoskeletal, Vascular, Metabolic, Dermatology, and others)

#### Portable Medical Devices Market by End-User

- Hospitals and Clinics
- Physicians' Offices
- Home Care Settings
- Other End-Users (Including Ambulatory Surgical Centers (ASCs), Rehabilitation Centers, and others)

### **Table of Contents:**

#### PART A: GLOBAL MARKET PERSPECTIVE

##### 1. INTRODUCTION

- Product Outline
- Portable Medical Devices Defined
- Portable Medical Device Products
  - o□Monitoring Devices
  - o□Diagnostic Imaging Devices
  - o□Therapeutic devices
  - o□Smart Wearable Medical Devices
- Portable Medical Device Applications
  - o□Cardiology
  - o□Gynecology
  - o□Orthopedics
  - o□Gastrointestinal
  - o□Respiratory
  - o□Urology
  - o□Neurology
  - o□Other Applications (Including Musculoskeletal, Vascular, Metabolic, Dermatology, and others)
- Portable Medical Device End-Users
  - o□Hospitals and Clinics
  - o□Physicians? Offices

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o Home Care Settings

o Other End-Users (Including Ambulatory Surgical Centers (ASCs), Rehabilitation Centers, and others)

2. Key Market Trends

3. Key Global Players

- Abbott Laboratories

- Becton, Dickinson and Company (BD)

- Dexcom, Inc.

- F. Hoffmann-La Roche AG

- Fitbit, Inc.

- Garmin Ltd

- GE Healthcare

- Hologic, Inc.

- Johnson & Johnson MedTech

- Koninklijke Philips N.V.

- Medtronic Plc

- Nox Medical

- OMRON Healthcare, Inc.

- Samsung Healthcare

- Siemens Healthineers AG

- Stryker Corporation

- Vyair Medical Inc.

4. Key Business & Product Trends

5. Global Market Overview

- Global Portable Medical Devices Market Overview by Product

o Portable Medical Devices Product Market Overview by Global Region

- Monitoring Devices

- Diagnostic Imaging Devices

- Therapeutic devices

- Smart Wearable Medical Devices

- Global Portable Medical Devices Market Overview by Application

o Portable Medical Devices Application Market Overview by Global Region

- Cardiology

- Gynecology

- Orthopedics

- Gastrointestinal

- Respiratory

- Urology

- Neurology

- Other Applications

- Global Portable Medical Devices Market Overview by End-User

o Portable Medical Devices End-User Market Overview by Global Region

- Hospitals and Clinics

- Physicians' Offices

- Home Care Settings

- Other End-Users

PART B: REGIONAL MARKET PERSPECTIVE

Global Portable Medical Devices Market Overview by Geographic Region

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## REGIONAL MARKET OVERVIEW

### 6. North America

- North American Portable Medical Devices Market Overview by Geographic Region
- North American Portable Medical Devices Market Overview by Product
- North American Portable Medical Devices Market Overview by Application
- North American Portable Medical Devices Market Overview by End-User
- Country-wise Analysis of North American Portable Medical Devices Market
  - o□The United States
    - United States Portable Medical Devices Market Overview by Product
    - United States Portable Medical Devices Market Overview by Application
    - United States Portable Medical Devices Market Overview by End-User
  - o□Canada
    - Canadian Portable Medical Devices Market Overview by Product
    - Canadian Portable Medical Devices Market Overview by Application
    - Canadian Portable Medical Devices Market Overview by End-User
  - o□Mexico
    - Mexican Portable Medical Devices Market Overview by Product
    - Mexican Portable Medical Devices Market Overview by Application
    - Mexican Portable Medical Devices Market Overview by End-User

### 7. Europe

- European Portable Medical Devices Market Overview by Geographic Region
- European Portable Medical Devices Market Overview by Product
- European Portable Medical Devices Market Overview by Application
- European Portable Medical Devices Market Overview by End-User
- Country-wise Analysis of European Portable Medical Devices Market
  - o□Germany
    - German Portable Medical Devices Market Overview by Product
    - German Portable Medical Devices Market Overview by Application
    - German Portable Medical Devices Market Overview by End-User
  - o□France
    - French Portable Medical Devices Market Overview by Product
    - French Portable Medical Devices Market Overview by Application
    - French Portable Medical Devices Market Overview by End-User
  - o□The United Kingdom
    - United Kingdom Portable Medical Devices Market Overview by Product
    - United Kingdom Portable Medical Devices Market Overview by Application
    - United Kingdom Portable Medical Devices Market Overview by End-User
  - o□Italy
    - Italian Portable Medical Devices Market Overview by Product
    - Italian Portable Medical Devices Market Overview by Application
    - Italian Portable Medical Devices Market Overview by End-User
  - o□Spain
    - Spanish Portable Medical Devices Market Overview by Product
    - Spanish Portable Medical Devices Market Overview by Application
    - Spanish Portable Medical Devices Market Overview by End-User
  - o□Rest of Europe
    - Rest of Europe Portable Medical Devices Market Overview by Product

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- Rest of Europe Portable Medical Devices Market Overview by Application
- Rest of Europe Portable Medical Devices Market Overview by End-User

## 8. Asia-Pacific

- Asia-Pacific Portable Medical Devices Market Overview by Geographic Region
- Asia-Pacific Portable Medical Devices Market Overview by Product
- Asia-Pacific Portable Medical Devices Market Overview by Application
- Asia-Pacific Portable Medical Devices Market Overview by End-User
- Country-wise Analysis of Asia-Pacific Portable Medical Devices Market

### o□ Japan

- Japanese Portable Medical Devices Market Overview by Product
- Japanese Portable Medical Devices Market Overview by Application
- Japanese Portable Medical Devices Market Overview by End-User

### o□ China

- Chinese Portable Medical Devices Market Overview by Product
- Chinese Portable Medical Devices Market Overview by Application
- Chinese Portable Medical Devices Market Overview by End-User

### o□ India

- Indian Portable Medical Devices Market Overview by Product
- Indian Portable Medical Devices Market Overview by Application
- Indian Portable Medical Devices Market Overview by End-User

### o□ South Korea

- South Korean Portable Medical Devices Market Overview by Product
- South Korean Portable Medical Devices Market Overview by Application
- South Korean Portable Medical Devices Market Overview by End-User

### o□ Rest of Asia-Pacific

- Rest of Asia-Pacific Portable Medical Devices Market Overview by Product
- Rest of Asia-Pacific Portable Medical Devices Market Overview by Application
- Rest of Asia-Pacific Portable Medical Devices Market Overview by End-User

## 9. South America

- South American Portable Medical Devices Market Overview by Geographic Region
- South American Portable Medical Devices Market Overview by Product
- South American Portable Medical Devices Market Overview by Application
- South American Portable Medical Devices Market Overview by End-User
- Country-wise Analysis of Asia-Pacific Portable Medical Devices Market

### o□ Brazil

- Brazilian Portable Medical Devices Market Overview by Product
- Brazilian Portable Medical Devices Market Overview by Application
- Brazilian Portable Medical Devices Market Overview by End-User

### o□ Argentina

- Argentine Portable Medical Devices Market Overview by Product
- Argentine Portable Medical Devices Market Overview by Application
- Argentine Portable Medical Devices Market Overview by End-User

### o□ Rest of South America

- Rest of South American Portable Medical Devices Market Overview by Product
- Rest of South American Portable Medical Devices Market Overview by Application
- Rest of South American Portable Medical Devices Market Overview by End-User

## 10. Rest of World

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- Rest of World Portable Medical Devices Market Overview by Product
- Rest of World Portable Medical Devices Market Overview by Application
- Rest of World Portable Medical Devices Market Overview by End-User

PART C: GUIDE TO THE INDUSTRY

PART D: ANNEXURE

1. RESEARCH METHODOLOGY

2. FEEDBACK

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