

Smart Medical Devices Market Size, Share & Trends Analysis Report By Product (Diagnostics & Monitoring Devices, Therapeutic Devices), By Distribution, By End-use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Smart Medical Devices Market Growth & Trends

The global smart medical devices market size is expected to reach USD 185.56 billion by 2030, registering a CAGR of 12.84% from 2025 to 2030, according to a new report by Grand View Research, Inc. The increasing adoption of smartphones is observed as a major factor driving market growth. In addition, technological advancements and rising awareness and focus on fitness are driving the market.

The increasing demand for wireless and smartphone compatible devices which is enhancing the diagnosis and makes accurate detection is making it convenient for patients to monitor their health anywhere and save the result on the connected device is additionally driving the market.

Diagnostics and monitoring devices are anticipated to grow at a significant CAGR over the forecast period due to the increasing demand for early disease detection and personalized healthcare solutions. Based on product, the therapeutic devices segment dominated the market with a revenue share of 85.18% in 2024 and is expected to witness the fastest growth rate of 12.99% during the forecast period.

Online channel is expected to grow at the fastest CAGR during the forecast period. The

trending online purchase for discounts, flexibility, convenience, and availability of a wide range of products with varying prices is leading to demand to purchase smart medical devices online. Additionally, the use of smartphones is expected to boost the market.

Smart Medical Devices Market Report Highlights

Based on product, the therapeutic devices segment dominated the market with a revenue share of 85.18% in 2024 and is expected to witness the fastest growth rate of 12.99% during the forecast period.

Based on the distribution, pharmacies dominated the market with the largest revenue share of 39.43% in 2024.

Hospital dominated the market with the largest revenue share in 2024. The segment's growth can be attributed to the increasing demand for remote patient monitoring, the rising prevalence of chronic diseases, supportive regulatory frameworks for telehealth solutions, and a growing focus on personalized medicine.

North America dominated the smart medical devices market with the largest revenue share of 35.94% in 2024, owing to the government initiatives to design and implement smart medical devices, such as wearable devices, supportive regulatory bodies enabling the entry of new technologies, and strategic initiatives undertaken by market players.

The smart medical devices market in Asia Pacific is expected to grow significantly over the forecast period. The regional growth is driven by rapid advancements in digital healthcare technologies, rising healthcare demands, and the increasing burden of chronic diseases.

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation & Scope
 - 1.1.1 Market Definition
 - 1.1.1.1 Segment Definition
 - 1.1.1.1.1 Product Segment
 - 1.1.1.1.2 Diagnostics and Monitoring Devices
 - 1.1.1.1.3 Therapeutic Devices:
- 1.2 Regional Scope
 - 1.2.1 Estimates And Forecast Timeline
- 1.3 Objectives
 - 1.3.1 Objective -
 - 1.3.2 Objective -
 - 1.3.3 Objective -
- 1.4 Model Details
 - 1.4.1 Commodity Flow Analysis
 - 1.4.1.1 Country- & Segment-Based Share Calculation
 - 1.4.1.2 Smart Medical Devices Market: CAGR Calculation
- 1.5 List of Secondary Sources
- 1.6 List of Abbreviations

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot
- 2.2 Segment Snapshot
- 2.3 Competitive Landscape Snapshot

CHAPTER 3 SMART MEDICAL DEVICE MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1 Smart Medical Devices Market Dynamics
 - 3.1.1 Market Driver Analysis
 - 3.1.1.1 Technological advancements in smart medical devices
 - 3.1.1.2 Rising prevalence of chronic diseases
 - 3.1.1.3 Increasing funding for research and development
 - 3.1.2 Market Restraint Analysis
 - 3.1.2.1 High Cost And Limited Reimbursement Support

- 3.1.3 Market Opportunity Analysis
 - 3.1.3.1 Growing adoption of telemedicine and remote monitoring solutions
- 3.2 Business Environment Analysis Tools
 - 3.2.1 Porter's Five Forces Analysis
 - 3.2.2 Pestle Analysis
- 3.3 COVID-19 Pandemic Impact

CHAPTER 4 SMART MEDICAL DEVICES MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1 Segment Dashboard
- 4.2 Smart Medical Devices Market: Product Analysis, 2024 & 2030 (USD Million)
- 4.3 Smart Medical Devices Market, by Product, 2018 - 2030 (USD Million)
- 4.4 Diagnostics and Monitoring Devices
 - 4.4.1 Diagnostics And Monitoring Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)
 - 4.4.2 Blood Glucose Monitors
 - 4.4.2.1 Blood glucose monitors market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.3 Heart Rate Monitors
 - 4.4.3.1 Heart rate monitors market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.4 Pulse Oximeters
 - 4.4.4.1 Pulse oximeters market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.5 Blood Pressure Monitors
 - 4.4.5.1 Blood pressure monitors market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.6 Breath Analyzers
 - 4.4.6.1 Breath analyzers market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.7 Medical Tricorders
 - 4.4.7.1 Medical tricorders market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.8 Smart Clothing
 - 4.4.8.1 Smart clothing market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.8.2 Embedded Health Sensors
 - 4.4.8.2.1 Embedded health sensors market estimates and forecasts, 2018 - 2030 (USD Million)
 - 4.4.8.3 Fitness Monitoring
 - 4.4.8.3.1 Fitness monitoring market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.9 Smart Contact Lenses

4.4.9.1 Smart contact lenses market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.9.2 Glucose Monitoring

4.4.9.2.1 Glucose monitoring market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.9.3 Intraocular Pressure Monitoring

4.4.9.3.1 Intraocular pressure monitoring market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.10 Wearable Ecg Monitors

4.4.10.1 Wearable ECG monitors market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.10.2 Chest Straps

4.4.10.2.1 Chest straps market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.10.3 Patches

4.4.10.3.1 Patches market estimates and forecasts, 2018 - 2030 (USD Million)

4.4.11 Smart Thermometers

4.4.11.1 Smart Thermometers Market estimates and forecasts, 2018 - 2030 (USD Million)

4.5 Therapeutic Devices

4.5.1 Therapeutic Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.5.2 Portable Oxygen Concentrators & Ventilators

4.5.2.1 Portable oxygen concentrators & ventilators market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.3 Insulin Pumps

4.5.3.1 Insulin pumps market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.4 Hearing Aids

4.5.4.1 Hearing Aids Market Estimates And Forecasts, 2018 - 2030 (USD Million)

4.5.5 Neurostimulation Devices

4.5.5.1 Neurostimulation devices market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.5.2 Spinal Cord Stimulation

4.5.5.2.1 Spinal cord stimulation market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.5.3 Deep Brain Stimulation

4.5.5.3.1 Deep brain stimulation market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.5.4 Transcranial Magnetic Stimulation

4.5.5.4.1 Transcranial magnetic stimulation market estimates and forecasts, 2018 -

2030 (USD Million)

4.5.6 Smart Inhalers

4.5.6.1 Smart inhalers market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.6.2 Asthma & COPD Management

4.5.6.2.1 Asthma & COPD management market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.6.3 Connected Inhalers with Data Tracking

4.5.6.3.1 Connected inhalers with data tracking market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.7 Smart Drug Delivery Systems

4.5.7.1 Smart drug delivery systems market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.7.2 Wearable Injectors

4.5.7.2.1 Wearable injectors market estimates and forecasts, 2018 - 2030 (USD Million)

4.5.7.3 Implantable Drug Delivery Devices

4.5.7.3.1 Implantable drug delivery devices market estimates and forecasts, 2018 - 2030 (USD Million)

CHAPTER 5 SMART MEDICAL DEVICES MARKET: DISTRIBUTION CHANNEL ESTIMATES & TREND ANALYSIS

5.1 Segment Dashboard

5.2 Smart Medical Devices Market: Distribution Channel Analysis, 2024 & 2030 (USD Million)

5.3 Smart Medical Devices Market, by Distribution Channel, 2018 - 2030 (USD Million)

5.4 Pharmacies

5.4.1 Pharmacies Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.5 Online Channel

5.5.1 Online Channel Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.6 Direct-To-Consumer (Dtc)

5.6.1 Direct-To-Consumer Market Estimates And Forecasts, 2018 - 2030 (USD Million)

5.7 Others

5.7.1 Others Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 6 SMART MEDICAL DEVICES MARKET: END USE ESTIMATES & TREND ANALYSIS

6.1 Segment Dashboard

6.2 Smart Medical Devices Market: End Use Analysis, 2024 & 2030 (USD Million)

6.3 Smart Medical Devices Market, by End Use, 2018 - 2030 (USD Million)

6.4 Hospitals

6.4.1 Hospitals Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.5 Clinics

6.5.1 Clinics Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.6 Home Care

6.6.1 Home Care Market Estimates And Forecasts, 2018 - 2030 (USD Million)

6.7 Others

6.7.1 Others Market Estimates And Forecasts, 2018 - 2030 (USD Million)

CHAPTER 7 REGIONAL ESTIMATES & TREND ANALYSIS

7.1 Regional Market Share Analysis, 2024 & 2030

7.2 Regional Market Snapshot

7.3 North America

7.3.1 Regulatory Framework

7.3.2 North America Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.3.3 U.S.

7.3.3.1 U.S. smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.3.4 Canada

7.3.4.1 Canada smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.3.5 Mexico

7.3.5.1 Mexico smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.4 Europe

7.4.1 Regulatory Framework

7.4.2 Europe Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.4.3 UK

7.4.3.1 UK smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.4.4 Germany

7.4.4.1 Germany smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.4.5 France

7.4.5.1 France smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.4.6 Italy

7.4.6.1 Italy smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.4.7 Spain

7.4.7.1 Spain smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.4.8 Denmark

7.4.8.1 Denmark smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.4.9 Sweden

7.4.9.1 Sweden smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.4.10 Norway

7.4.10.1 Norway smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.5 Asia Pacific

7.5.1 Regulatory Framework

7.5.2 Asia Pacific Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.5.3 Japan

7.5.3.1 Japan smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.5.4 China

7.5.4.1 China smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.5.5 India

7.5.5.1 India smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.5.6 Australia

7.5.6.1 Australia smart medical devices market estimates and forecasts, 2018 - 2030
(USD Million)

7.5.7 Thailand

7.5.7.1 Thailand Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.5.8 South Korea

7.5.8.1 South Korea Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.6 Latin America

7.6.1 Regulatory Framework

7.6.2 Latin America Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.6.3 Brazil

7.6.3.1 Brazil Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.6.4 Argentina

7.6.4.1 Argentina Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.7 Middle East & Africa

7.7.1 Regulatory Framework

7.7.2 Middle East And Africa Smart Medical Devices Market Estimates And Forecasts, 2018 - 2030 (USD Million)

7.7.3 UAE

7.7.3.1 UAE smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.7.4 South Africa

7.7.4.1 South Africa smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.7.5 Saudi Arabia

7.7.5.1 Saudi Arabia smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

7.7.6 Kuwait

7.7.6.1 Kuwait smart medical devices market estimates and forecasts, 2018 - 2030 (USD Million)

CHAPTER 8. SMART MEDICAL DEVICES MARKET: COMPETITIVE LANDSCAPE

8.1. Recent Developments & Impact Analysis, By Key Market Participants

8.2. Company/Competition Categorization

8.3. Company Market Position/Share Analysis 2024

8.4. Company Profiling/Listing

8.4.1. Abbott Laboratories

8.4.1.1. Company overview

8.4.1.2. Financial performance

8.4.1.3. Technology Type benchmarking

8.4.1.4. Strategic initiatives

8.4.2. Medtronic plc

- 8.4.2.1. Company overview
- 8.4.2.2. Financial performance
- 8.4.2.3. Technology Type benchmarking
- 8.4.2.4. Strategic initiatives
- 8.4.3. F. Hoffmann-La Roche Ltd
 - 8.4.3.1. Company overview
 - 8.4.3.2. Financial performance
 - 8.4.3.3. Technology Type benchmarking
 - 8.4.3.4. Strategic initiatives
- 8.4.4. Dexcom, Inc.
 - 8.4.4.1. Company overview
 - 8.4.4.2. Financial performance
 - 8.4.4.3. Technology Type benchmarking
 - 8.4.4.4. Strategic initiatives
- 8.4.5. Masimo
 - 8.4.5.1. Company overview
 - 8.4.5.2. Financial performance
 - 8.4.5.3. Technology Type benchmarking
 - 8.4.5.4. Strategic initiatives
- 8.4.6. Dräger Group (Drägerwerk AG & Co. KGaA)
 - 8.4.6.1. Company overview
 - 8.4.6.2. Financial performance
 - 8.4.6.3. Technology Type benchmarking
 - 8.4.6.4. Strategic initiatives
- 8.4.7. Shenzhen Ztsense Hi Tech Co., Ltd
 - 8.4.7.1. Company overview
 - 8.4.7.2. Financial performance
 - 8.4.7.3. Technology Type benchmarking
 - 8.4.7.4. Strategic initiatives
- 8.4.8. Smartcardia
 - 8.4.8.1. Company overview
 - 8.4.8.2. Financial performance
 - 8.4.8.3. Technology Type benchmarking
 - 8.4.8.4. Strategic initiatives
- 8.4.9. Microlife Corporation
 - 8.4.9.1. Company overview
 - 8.4.9.2. Financial performance
 - 8.4.9.3. Technology Type benchmarking
 - 8.4.9.4. Strategic initiatives

- 8.4.10. Beurer GmbH
 - 8.4.10.1. Company overview
 - 8.4.10.2. Financial performance
 - 8.4.10.3. Technology Type benchmarking
 - 8.4.10.4. Strategic initiatives
- 8.4.11. Adherium
 - 8.4.11.1. Company overview
 - 8.4.11.2. Financial performance
 - 8.4.11.3. Technology Type benchmarking
 - 8.4.11.4. Strategic initiatives
- 8.4.12. Ascensia Diabetes Care Holdings AG
 - 8.4.12.1. Company overview
 - 8.4.12.2. Financial performance
 - 8.4.12.3. Technology Type benchmarking
 - 8.4.12.4. Strategic initiatives
- 8.4.13. LifeScan, Inc.
 - 8.4.13.1. Company overview
 - 8.4.13.2. Financial performance
 - 8.4.13.3. Technology Type benchmarking
 - 8.4.13.4. Strategic initiatives
- 8.4.14. AgaMatrix, Inc.
 - 8.4.14.1. Company overview
 - 8.4.14.2. Financial performance
 - 8.4.14.3. Technology Type benchmarking
 - 8.4.14.4. Strategic initiatives
- 8.4.15. ARKRAY, Inc.
 - 8.4.15.1. Company overview
 - 8.4.15.2. Financial performance
 - 8.4.15.3. Technology Type benchmarking
 - 8.4.15.4. Strategic initiatives
- 8.4.16. i-SENS, Inc.
 - 8.4.16.1. Company overview
 - 8.4.16.2. Financial performance
 - 8.4.16.3. Technology Type benchmarking
 - 8.4.16.4. Strategic initiatives
- 8.4.17. ACON Laboratories, Inc.
 - 8.4.17.1. Company overview
 - 8.4.17.2. Financial performance
 - 8.4.17.3. Technology Type benchmarking

- 8.4.17.4. Strategic initiatives
- 8.4.18. NIPRO CORPORATION
 - 8.4.18.1. Company overview
 - 8.4.18.2. Financial performance
 - 8.4.18.3. Technology Type benchmarking
 - 8.4.18.4. Strategic initiatives
- 8.4.19. Garmin
 - 8.4.19.1. Company overview
 - 8.4.19.2. Financial performance
 - 8.4.19.3. Technology Type benchmarking
 - 8.4.19.4. Strategic initiatives
- 8.4.20. Fourth Frontier Technologies Private Limited
 - 8.4.20.1. Company overview
 - 8.4.20.2. Financial performance
 - 8.4.20.3. Technology Type benchmarking
 - 8.4.20.4. Strategic initiatives
- 8.4.21. Nonin
 - 8.4.21.1. Company overview
 - 8.4.21.2. Financial performance
 - 8.4.21.3. Technology Type benchmarking
 - 8.4.21.4. Strategic initiatives
- 8.4.22. Sensoria
 - 8.4.22.1. Company overview
 - 8.4.22.2. Financial performance
 - 8.4.22.3. Technology Type benchmarking
 - 8.4.22.4. Strategic initiatives
- 8.4.23. Sonova
 - 8.4.23.1. Company overview
 - 8.4.23.2. Financial performance
 - 8.4.23.3. Technology Type benchmarking
 - 8.4.23.4. Strategic initiatives
- 8.4.24. WS Audiology
 - 8.4.24.1. Company overview
 - 8.4.24.2. Financial performance
 - 8.4.24.3. Technology Type benchmarking
 - 8.4.24.4. Strategic initiatives
- 8.4.25. Demant A/S
 - 8.4.25.1. Company overview
 - 8.4.25.2. Financial performance

8.4.25.3. Technology Type benchmarking

8.4.25.4. Strategic initiatives

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