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North America ECG Monitoring Equipment Market Size and Forecast (2021 - 2031), Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Product (Resting ECG Monitors, Stress ECG Monitors, Holter Monitors, and Cardiopulmonary Stress Testing Monitors), Lead Type (12-Lead ECG, 3-6 Lead ECG, and Single Lead), Technology (Portable (Wired) ECG Systems and Wireless ECG Systems), and End User (Hospitals and Clinics, Ambulatory Surgical Centers, Cardiac Centers, and Others)

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Abstracts

The North America ECG Monitoring Equipment Market is projected to grow significantly, reaching an estimated US$ 3,462.5 million by 2031, up from US$ 2,447.2 million in 2024. This growth represents a compound annual growth rate (CAGR) of 5.2% from 2025 to 2031.

Executive Summary and Market Analysis

The North American region is set to be a key driver of growth in the ECG monitoring equipment market. Several factors contribute to this upward trend, including the rising incidence of cardiovascular diseases (CVDs), an increasing emphasis on preventive healthcare, and a robust healthcare infrastructure. Additionally, government initiatives, an aging population, and heightened awareness of heart-related conditions are further fueling the market's expansion. Technological advancements have also significantly transformed the ECG monitoring landscape, enhancing the accuracy, portability, and user-friendliness of these devices, making them more accessible and effective for healthcare providers and patients alike.

Market Segmentation

The North America ECG Monitoring Equipment Market can be segmented based on product type, lead type, technology, and end user:

By Product: The market is divided into Resting ECG Monitors, Stress ECG Monitors, Holter Monitors, and Cardiopulmonary Stress Testing Monitors. In 2024, Resting ECG Monitors held the largest market share.

By Lead Type: The segmentation includes 12-Lead ECG, 3-6 Lead ECG, and Single Lead. The 12-Lead ECG system dominated the market in 2024.

By Technology: The market is categorized into Portable (Wired) ECG Systems and Wireless ECG Systems, with Wireless ECG Systems capturing the largest share in 2024.

By End User: The end users include Hospitals and Clinics, Ambulatory Surgical Centers, Cardiac Centers, and others, with Hospitals and Clinics leading the market in 2024.

Market Outlook

According to the World Health Organization (WHO), cardiovascular diseases are among the leading causes of death globally. Coronary artery disease (CAD), characterized by the buildup of lipids and immune cells in the coronary arteries, is the most prevalent form of CVD. This condition can lead to serious complications such as hypoxia, ischemia, or myocardial necrosis due to the narrowing or obstruction of coronary arteries. In 2021, CVDs accounted for approximately 19.91 million deaths worldwide, with the Centers for Disease Control and Prevention (CDC) reporting around 702,880 deaths due to heart disease annually in the United States alone. Furthermore, it is estimated that over 130 million Americans suffer from some form of CVD, with projections indicating that nearly 45.1% of the population may be affected by 2035.

The demand for ECG monitoring equipment is particularly strong in the United States, driven by factors such as an aging population, increasing prevalence of cardiovascular diseases, and a growing focus on preventive healthcare. The CDC notes that approximately 805,000 Americans experience a heart attack each year, with a significant portion being first-time incidents. The Million Hearts initiative reports that around 1.5 million myocardial infarctions and strokes occur annually in the U.S., highlighting the critical role of ECG devices in diagnosing and managing heart conditions.

Country Insights

The North America ECG Monitoring Equipment Market is primarily segmented into three countries: the United States, Canada, and Mexico. The United States holds the largest market share, driven by a combination of factors including a rising geriatric population, increased awareness of cardiovascular health, and advancements in technology that facilitate remote monitoring of cardiac health. The prevalence of coronary artery disease is particularly high, with the CDC estimating that 20.1 million U.S. adults report having CAD. ECG devices are essential for the early detection and management of various heart conditions, including arrhythmias and heart attacks.

Competitive Landscape

Key players in the ECG Monitoring Equipment Market include Hill Rom Holding Inc., Koninklijke Philips NV, GE HealthCare Technologies Inc., Nihon Kohden Corp, CompuMed Inc., AliveCor, Inc., EB Neuro S.P.A., BPL Medical Technologies Pvt Ltd, FUKUDA DENSHI, Viatom Technology Co., Ltd., Spacelabs Healthcare, Shenzhen Mindray Bio-Medical Electronics Co., Ltd, Schiller AG, custo med GmbH, and Norav Medical. These companies are actively pursuing strategies such as product innovation, market expansion, and mergers and acquisitions to enhance their offerings and increase market share.

In conclusion, the North America ECG Monitoring Equipment Market is poised for significant growth, driven by the increasing prevalence of cardiovascular diseases, technological advancements, and a strong focus on preventive healthcare. The market's future looks promising as stakeholders continue to innovate and adapt to the evolving healthcare landscape.

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Contents

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9. NORTH AMERICA ECG MONITORING EQUIPMENT MARKET REVENUE ANALYSIS - BY TECHNOLOGY

9.1 Portable (Wired) ECG Systems
  9.1.1 Overview
  9.1.2 Portable (Wired) ECG Systems: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)
9.2 Wireless ECG Systems
  9.2.1 Overview
  9.2.2 Wireless ECG Systems: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)

10. NORTH AMERICA ECG MONITORING EQUIPMENT MARKET REVENUE ANALYSIS - BY END USER

10.1 Hospitals and Clinics
  10.1.1 Overview
  10.1.2 Hospitals and Clinics: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)
10.2 Ambulatory Surgical Centers
  10.2.1 Overview
  10.2.2 Ambulatory Surgical Centers: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)
10.3 Cardiac Centers
  10.3.1 Overview
  10.3.2 Cardiac Centers: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)
10.4 Others
  10.4.1 Overview
  10.4.2 Others: North America ECG Monitoring Equipment Market - Revenue and Forecast, 2021 - 2031 (US$ Million)

11. NORTH AMERICA ECG MONITORING EQUIPMENT MARKET - COUNTRY ANALYSIS

11.1 North America
  11.1.1 North America ECG Monitoring Equipment Market Revenue and Forecast and Analysis - by Country
    11.1.1.1 North America ECG Monitoring Equipment Market Revenue and Forecast

14 COMPANY PROFILES

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List Of Tables

LIST OF TABLES

+357 96 030922
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List Of Figures

LIST OF FIGURES

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