

Resuscitation Devices Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Airway Management Devices, External Defibrillators, Convective Warming Blankets, Other Products), By Patient Type (Adult Patients, Pediatric Patients), By End User

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Abstracts

The Resuscitation Devices Market is valued at USD 9.1 billion in 2025 and is projected to grow at a CAGR of 7.6% to reach USD 17.5 billion by 2034. The Resuscitation Devices Market plays a critical role in emergency care, offering life-saving tools used to restore breathing and circulation in patients experiencing respiratory arrest, cardiac arrest, or life-threatening trauma. These devices include manual resuscitators (bag valve masks), automated external defibrillators (AEDs), airway management tools, and advanced ventilators. The market serves a broad range of end-users such as hospitals, emergency medical services (EMS), ambulatory surgical centers, military medical units, and public facilities. Demand for resuscitation equipment is driven by the global prevalence of cardiovascular diseases, rising incidences of sudden cardiac arrests, and the need for rapid response in trauma cases. Growing awareness of basic life support (BLS) and advanced cardiovascular life support (ACLS) protocols is further contributing to widespread adoption. With continued innovations in portability, automation, and usability, these devices are becoming more accessible across both clinical and non-clinical settings. The resuscitation devices market experienced steady growth driven by increased investment in emergency preparedness across healthcare systems and public spaces. Hospitals upgraded their resuscitation equipment to comply with updated safety standards and integrate with real-time patient monitoring systems. AED deployment expanded significantly in transportation hubs, workplaces, and educational institutions as governments mandated broader public access to defibrillation.

Technological advancements introduced smarter bag valve masks with real-time ventilation feedback and pressure regulation to reduce risks of hyperventilation. Emergency services adopted lightweight, battery-efficient resuscitators for improved field usability. Manufacturers also focused on developing pediatric-specific devices, addressing growing concern over child-specific resuscitation needs. Training institutions invested in simulation-based devices to enhance CPR and airway management education. These developments collectively elevated the baseline readiness for managing cardiac and respiratory emergencies in a variety of settings. The resuscitation devices market is expected to evolve with deeper integration of digital health technologies and AI-assisted response tools. Next-generation AEDs will feature real-time CPR guidance, connectivity to emergency dispatch, and automatic data sharing with electronic health records. Smart resuscitators and ventilators will use sensors and feedback algorithms to adjust parameters dynamically based on patient physiology. Growth in tele-emergency services and connected care models will further support rapid intervention, especially in remote or resource-limited areas. As cardiac arrest awareness campaigns expand, more community centers, hotels, and fitness clubs are likely to adopt user-friendly resuscitation devices. Moreover, global health agencies will push for standardized training programs in BLS/ACLS, boosting both device demand and usage efficiency. However, limited access to quality devices and training in low-income countries remains a barrier, requiring global initiatives to bridge the gap and improve outcomes in critical care.

Key Insights Resuscitation Devices Market

Smart AEDs with voice guidance, real-time CPR feedback, and cloud connectivity are enhancing response times and clinical outcomes during cardiac emergencies.

Pediatric-specific resuscitation devices are gaining importance due to growing awareness of the different physiological needs in children during emergencies.

Integration of sensors and feedback mechanisms in bag valve masks is improving manual ventilation accuracy and reducing risks of overinflation.

Simulation-based training devices for CPR and airway management are being widely adopted by healthcare institutions and emergency responders.

Portable, battery-efficient resuscitation tools are improving field usability for EMS and military medical teams operating in remote areas.

Rising incidence of sudden cardiac arrest and respiratory emergencies globally is driving urgent demand for accessible and effective resuscitation solutions.

Government regulations mandating AED installation in public spaces are expanding device penetration beyond healthcare facilities.

Advancements in medical device technology are enhancing the safety, portability, and usability of resuscitation equipment across settings.

Increased emphasis on emergency preparedness and life support training is accelerating investment in resuscitation tools by institutions and individuals.

Lack of funding and training infrastructure in low-income regions continues to hinder the availability and proper use of resuscitation devices, limiting life-saving interventions where the burden of out-of-hospital cardiac arrests remains high.

Resuscitation Devices Market Segmentation

By Product

Airway Management Devices

External Defibrillators

Convective Warming Blankets

Other Products

By Patient Type

Adult Patients

Pediatric Patients

By End User

Hospitals

Diagnostic Centers

Ambulatory Surgical Centers

Other End-users

Key Companies Analysed

Amara Raja Batteries Limited

Samsung SDI Co. Ltd.

LG Chem Ltd.

BYD Company Ltd.

Tesla Inc.

ABB Ltd.

Siemens AG

Luminous Power Technologies Ltd.

Contemporary Amperex Technology Co. Limited

Panasonic Corporation

Power-Sonic Corporation

Lishen Battery Co. Ltd.

China Baofeng Battery Technology Co. Ltd.

Loom Solar Pvt. Ltd.

Ruipu Energy Co. Ltd.

China Aviation Lithium Battery Co. Ltd.

Guoxuan High-tech Power Energy Co. Ltd.

Sunwoda Electronic Co. Ltd.

Farasis Energy Co. Ltd.

Sonnen GmbH

Fluence Energy LLC

Bloom Energy Corporation

Blue Planet Energy

Electrovaya Inc.

Enphase Energy Inc.

ESS Inc.

Evergen Energy Solutions Inc.

FIMER SpA

Gotion High-tech Co. Ltd.

Murata Manufacturing Co. Ltd.

NEC Corporation

NextEra Energy Inc.

Powin Energy Corporation

Redflow Limited

SimpliPhi Power Inc.

Ultralife Corporation

Resuscitation Devices Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Resuscitation Devices Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Resuscitation Devices market data and outlook to 2034

United States

Canada

Mexico

Europe — Resuscitation Devices market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Resuscitation Devices market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Resuscitation Devices market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Resuscitation Devices market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Resuscitation Devices value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Resuscitation Devices industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth

potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Resuscitation Devices Market Report

Global Resuscitation Devices market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Resuscitation Devices trade, costs, and supply chains

Resuscitation Devices market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Resuscitation Devices market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Resuscitation Devices market trends, drivers, restraints, and opportunities

Porter’s Five Forces analysis, technological developments, and Resuscitation Devices supply chain analysis

Resuscitation Devices trade analysis, Resuscitation Devices market price

analysis, and Resuscitation Devices supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Resuscitation Devices market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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