

Smart Fabric Medical Devices

Moving Beyond Consumer Gadgets

Report Brochure

Greystone
Research Associates



Greystone Research Associates is pleased to announce the publication of a new market assessment. **Smart Fabric Medical Devices: Moving Beyond Consumer Gadgets** is a comprehensive evaluation and analysis of the technology, products and participants providing the driving force behind this evolving segment of the smart fabrics market. The study is designed to provide technology company decision makers, product developers, device designers, industry marketers, and supply chain participants with a detailed understanding of the economics, technologies, market segments, and commercial opportunities for smart fabrics designed for patient monitoring that have been approved by the FDA. Provider organization business managers, healthcare administrators and investors will also benefit from this study.

Converging Factors Driving New Patient Monitoring Options

The miniaturization of electronics continues to drive innovation and enhanced patient care and outcomes throughout the healthcare industry. At the forefront of these advances are devices owing their feature functionality to the performance of a new generation of sensing elements and improved signal processing. Smart fabrics, a rapidly growing segment of the wearable devices market can include many combinations of biometric and physiological sensors depending upon the data that they are designed to collect. These data can include distance walked, calories burned, heart rate, temperature, blood oxygen level, sleep quality, location, perspiration, pressure and other data. The specifics of what is being measured drive the selection of components, signal conditioning components and connectivity chips that are used in a wearable device. The success of most medical devices is closely linked to user-interface design. This is particularly true in cases where there is substantial market competition and the associated technology has more or less matured, making user-interface quality a prominent factor in product differentiation.

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What You Will Learn

- What smart fabric devices have been clinically tested and approved by the U.S. FDA for patient monitoring, how are they marketed, what are the device specifics, and who markets them?
- What smart fabric devices are currently undergoing clinical testing, who are the developers, and what indications are they targeting?
- What are the major factors driving smart fabric medical device demand?
- What is the size of the market for smart fabric medical devices, and what will the market share be in 2024?
- What are the key product attributes and design features that are critical to smart fabric medical device approval and acceptance?
- What are the essential design factors, technologies and market development issues smart fabric medical device products?
- What are the significant economic, technology, and regulatory factors affecting the market for smart fabric medical devices?

Report Format and Availability

This report is available electronic format. A site license for a single physical location and a corporate license are also available. Custom licensing options to address specific company user requirements are available by calling client services at 603-440-5710, or by emailing clientservices@greystoneassociates.org.

Methodology

Research methodology is based on primary research in the form of in-depth interviews with key market participants, technology developers, distributors, industry experts, and market influencers, a list that includes regulatory officials, industry trade groups, and materials standards organizations.

Primary data is evaluated and normalized against secondary sources including trade journal articles, technical literature, industry publications, company data sheets and published information, and statistical data from government agencies and trade associations.

Forecasts and projections of market demand and future market activity are derived using standard modeling and statistical techniques.

About Greystone Associates

Greystone Associates is a medical technology consulting firm focused on the areas of medical market strategy, product commercialization, venture development, and market research. We assist medical and healthcare market participants in achieving their business objectives through the creation of detailed development strategies, product commercialization programs, and comprehensive market and technology research and analysis.

Our market research publications are designed, researched and written to provide timely and insightful information and data on focused market segments, with the aim of providing market participants with the essential knowledge to refine and execute their marketing plans and financial targets.

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