

Healthcare Markets for Medical Microneedles

Devices, Markets, Strategies &
Forecasts to 2026

Report Brochure



Greystone
Research Associates

Greystone Research Associates is pleased to announce the publication of a new market assessment. **Healthcare Markets for Medical Microneedles** is a comprehensive evaluation and analysis of the technology, markets and competitive landscape providing the driving force behind this evolving segment of the healthcare sector. The study is designed to provide drug company decision makers, drug delivery developers, device designers, healthcare marketers, and supply chain participants with a detailed understanding of the economics, fabrication/manufacturing technologies, and commercial opportunities across the spectrum of microneedle architectures, designs, classes and form factors. Provider organization business managers, healthcare administrators and investors will also benefit from this study

Converging Factors Driving Medical Microneedle Evolution

Advances in materials processing - technologies that include micromachining, nanoprocessing and structured film forming - are creating new devices and new opportunities for minimally invasive medicine. The processing techniques incorporate one or more technologies that enable the precise machining, extrusion, casting, and/or forming of from one to an array or grid of microneedles. Microneedle technology has the potential to address the growing trend toward minimally invasive medicine by allowing the precise delivery of therapeutic agents to prescribed locations below the skin. Microneedles will also be a factor in continuous and ambulatory patient monitors and point-of-care diagnostics.

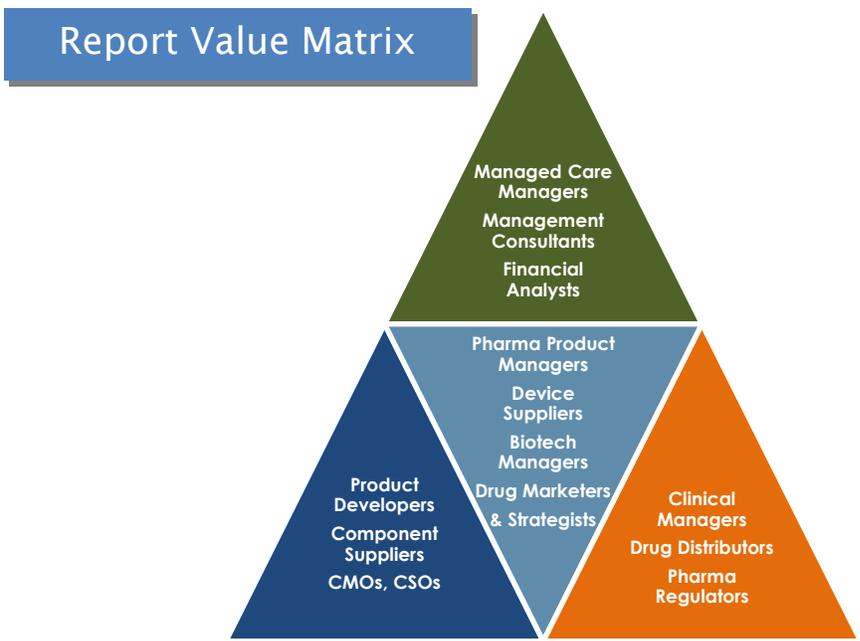


Table of Contents

Executive Summary	Dissolving Microneedles
Medical Microneedles – The Current Landscape	Hydrogels
Microneedle Demand Drivers	Stretched Needles
Population Demographics	Sustained Release Microneedles
Chronic Conditions & Dosing Frequency	Silk Microneedles
Patient Self-care	Syringe-mounted Microneedles
Managed Care Initiatives	Soluvia
Microneedle Technology	Specialty Microneedles
Overview	Phase Transition
Microneedle Arrays & Array Geometries	Microprocessor-based Devices
Material Selection	Composite Microneedles
Fabrication Methods	Light-responsive Microneedles
Microforming	Flexible Arrays
Micromachining	Microneedles & Microfluidics
Structured Films	Wearable Microneedles
Emerging Fabrication Methods	Microneedle Development Initiatives
Additive Manufacturing	Government Initiatives
InkJet Printing	Europe
3D Printing	Japan
Electrospun Arrays	North America
Electrodeposition	Academic Programs
Magnetization-induced Self-assembly	Markets and Opportunities
Array Architectures	Genetic/DNA/Nucleotide Therapeutics
Stereolithography	Microneedle Drug Delivery
Fused Deposition Modelling	Intradermal
Digital Light Processing	Microporation
Selective Laser Sintering	Transdermal
Selective Laser Melting	nRNA
Inkjet Printing	Dermatology
Microneedle Form Factors	Immunotherapeutics
Solid Microneedles	HIV
Coated Microneedles	Metabolic
Hollow Microneedles	Diabetes
Carbon Nanotubes	Neurology
Ion Etching	Migraine
C-MEMS	Alzheimer's Disease
Electrolyte Sensing	Reproductive Health
	Vaccines
	Prophylactic Vaccines
	Vaccine Dose Sparing
	MARKET DATA
	Market Participant Profiles

What You Will Learn

- What are the recent developments in the area of medical microneedles? What medical applications and markets do they address?
- How has technology evolved to advance the addressable market for medical microneedles?
- What are the major factors driving development activity and investment in the medical microneedle segment?
- What are the emerging therapeutic and diagnostic applications that are expected to drive growth in medical microneedle markets?
- What is the size of the market today, who are the market share leaders, and what will the market share be in 2026?
- How important are drug developer-device manufacturer relationships and what are the key alliances in the industry?

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 603-595-4340, 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.

Ordering Information

Orders may be placed via postal mail, e-mail or fax. Orders not accompanied by a purchase order must contain a telephone number for verification, and clearly indicate the physical shipping address and billing address.

Payment

We accept the following forms of payment:

Company Check: Please make checks payable to 'Greystone Associates'

Credit Cards: We accept MasterCard, Visa and American Express

Wire Transfers: See 'Wire Transfers' below for more information

Orders Outside the U.S.

Orders must be prepaid via credit card, company check in US funds and drawn on a US bank, or wire transfer.

Email to
research@greystoneassociates.org

Wire Transfers: TD Banknorth
300 Franklin Street
Manchester, NH 03103
(Call for Account Information)

Mailing Address: Greystone Research Associates
Client Services
P.O. Box 1362
Amherst, NH 03031

Healthcare Markets for Medical Microneedles

Devices, Markets, Strategies & Forecasts to 2026

Select	Format	License	Price (U.S. Funds)	Total
<input type="checkbox"/>	PDF	Single User License	\$3,850.00	
<input type="checkbox"/>	PDF	Site License	\$5,500.00	
<input type="checkbox"/>	PDF	Global License	\$7,500.00	
Total Payment (U.S. funds)				

Method of Payment: Company Check    Wire Transfer (International)

Card Number: _____ Name on Card _____

Expiration Date: _____ Card CVV _____ Signature _____

Billing Information	Shipping Information
Name:	Name: <input type="checkbox"/> Click here if same as Billing Information
Title:	Title:
Company:	Company:
Street Address:	Street Address:
City,State/Province:	City,State/Province:
Country/Postal Code:	Country/Postal Code:
Phone:	Phone:
Fax:	Fax:
Email:	Email: