

Executive Summary

Active Transdermal Delivery Market Dynamics

Drug Classes, Indications and Demand

The Needle Array Ecosystem

What's Driving the Growth in Alternative Drug Delivery?

Competitive Landscape

Risk Factors

Needle Array Architecture, Technology & Fabrication

Needle Array Design Strategies

Solid Needle Arrays

Hollow Needle Arrays

Coated Needle Arrays

Dissolvable Needle Arrays

Needle Array Geometries & Form Factors

Needle Array Manufacturing

Material Selection Issues

Fabrication Techniques

Emerging Fabrication Methods

Needle Array Delivery Systems – Assessments & Commercial Prospects

Syringe-mounted Arrays

Micronjet

Nanoject

Solid Needle Arrays

sMTS

Macroflux

MicroCor

Micropatch

Nanopatch (ANFF)

OnVax

Unbranded (Nanomed)

Unbranded (U-needle)

Hollow Needle Arrays

hMTS

Micro-Trans

Unbranded (MyLife Technologies)

Dissolvable Arrays

VaxMAT

Unbranded (BioSerenTach)

Metal Film Needle Arrays

AdminPatch

Phase Transition Needle Array Patches

Unbranded (BioPharm Solutions)

Programmable Needle Array Patch

Pyraderm

Unbranded (Janisys)

Spring Powered Needle Arrays

- Unbranded (PKA SoftTouch)
- Customizable Needle Arrays
- Unbranded (Micropoint Technologies)
- Near-Terms Markets for Needle Arrays - Assessments & Forecasts
 - Dermatology/Cosmetic Surgery
 - Diabetes
 - Genetic/DNA/Nucleotide Therapeutics
 - Oncology
 - Osteoporosis
 - Reproductive Medicine
 - Vaccines
- Market Factors
- Regulatory Considerations
 - Patient Preferences and Compliance
 - Managed Care Initiatives
- Company Profiles