

The Transdermal Drug Delivery Systems Market Report 2025 – Strategic Insights for Companies Seeking Growth & Advantage

*The Business Research Company's
Transdermal Drug Delivery Systems
Global Market Report 2025 - Market Size,
Trends, And Global Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, June 23, 2025
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Transdermal Drug Delivery Systems Market Report
2025 - Market Size, Trends, And Global Forecast 2025-
2034

What Is The Growth Trajectory Of The Transdermal Drug Delivery Systems Market?

What is the current size of the transdermal drug delivery systems market and what growth should we anticipate?

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[The transdermal drug delivery systems market size](#) has shown powerful expansion in recent years. From \$37.30 billion in 2024, the market is projected to grow to \$40.39 billion in 2025, registering a compound annual growth rate CAGR of 8.3%. This growth throughout the historic period can be attributed to an increase in demand for non-invasive drug administration, enhanced patient compliance, improved bioavailability, growing prevalence of chronic diseases, and rising preference for self-administration.

What Is The Projected Growth Rate And Market Size Of The Global Transdermal Drug Delivery Systems Market?

Are there any predictions for the future of the transdermal drug delivery systems market? The transdermal drug delivery systems market size is forecasted to experience robust growth in the next few years. It is projected to catapult to \$55.00 billion in 2029, sustaining a compound annual

growth rate CAGR of 8.0%. Factors contributing to the forecasted growth include an increasing preference for non-invasive treatments, growing prevalence of chronic diseases, enhanced convenience in drug administration, expanding applications in pain management, and regulatory support for novel drug delivery systems. Key trends include advancements in personalized drug delivery, adoption of nanotechnology for improved absorption, the development of smart patches, improved skin penetration technologies, and innovations in wearable devices for chronic disease management.

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What Are The Major Drivers For The [Growth Of The Transdermal Drug Delivery Systems Market?](#)

The rising prevalence of chronic diseases is anticipated to drive the growth of the transdermal drug delivery systems market going forward. A chronic disease is a long-standing health condition that necessitates continuous management, like diabetes or heart disease, and can hamper one's daily activities. The rise in chronic diseases is propelled, in part, by sedentary lifestyles, as reduced physical activity contributes to weight gain, poor cardiovascular health, and metabolic imbalances. Such diseases necessitate the use of transdermal drug delivery systems to enable continuous, controlled release of medication through the skin, thereby improving patient compliance and maintaining sustained therapeutic levels. For example, the US-based public health research institute, Institute for Health Metrics and Evaluation, reported in June 2023 that over half a billion people worldwide were living with diabetes. This number is forecasted to double, reaching 1.3 billion people by 2050. Therefore, the upsurge in cases of chronic diseases is a significant factor driving the growth of the transdermal drug delivery systems market.

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Which Major Companies Are Operating In The Transdermal Drug Delivery Systems Market?

Major companies operating in this market include Pfizer Inc., Johnson & Johnson, AbbVie Inc., Bayer AG, Novartis AG, GSK plc, 3M Company, Teva Pharmaceutical Industries Ltd., Boehringer Ingelheim GmbH, Mylan NV, UCB S.A., Skyepharma, Noven Pharmaceuticals Inc., Hisamitsu Pharmaceutical Co. Inc., Watson Pharmaceuticals Inc., Endo International plc, Transdermal Technologies Inc., Grünenthal GmbH, 4P Therapeutics LLC, and Actavis Inc.

What Are Some Of The Emerging [Trends In The Transdermal Drug Delivery Systems Market?](#)

Major companies in the market are focusing on technological advancements, such as microneedle technology in drug delivery systems, to improve drug absorption and enhance patient compliance. Microneedle technologies, minimally invasive devices that deliver drugs through the skin painlessly, offer an alternative to traditional injection methods. A prime

example is South Korea-based Daewoong Pharmaceutical Co. Ltd., which launched its innovative microneedle platform CLOPAM in October 2024. CLOPAM significantly improves drug delivery efficiency, mitigates discomfort associated with injections, and allows for a controlled, sustained release of medication. It aims at providing a pain-free and more consistent alternative to oral or injectable medications, thereby enhancing patient compliance and treatment outcomes.

What Are The Various Segments Within The Transdermal Drug Delivery Systems Market?

The market covered in this report is segmented as follows:

- 1 By Formulation Type: Drug-In-Patch, Reservoir Type, Matrix Type, Microreservoir Type
- 2 By Technology: Iontophoresis, Microporation
- 3 By Application: Pain Management, Central Nervous System, Cardiovascular Diseases, Smoking Cessation
- 4 By End User: Hospitals, Home Healthcare, Pharmaceutical Companies, Research Institutes

Subsegments:

- 1 By Drug-In-Patch: Single-layer Drug-in-Adhesive, Multi-layer Drug-in-Adhesive
- 2 By Reservoir Type: Gel Reservoir Systems, Liquid Reservoir Systems, Solid Reservoir Systems
- 3 By Matrix Type: Polymer Matrix Systems, Lipid Matrix Systems, Hydrogel Matrix Systems
- 4 By Microreservoir Type: Microneedle Arrays, Microemulsion Reservoirs, Nanoparticle-Infused Reservoirs

How Is The Transdermal Drug Delivery Systems Market Distributed Globally?

In 2024, North America was the largest region in the transdermal drug delivery systems market. However, Asia-Pacific is anticipated to be the fastest-growing region in the forecast period. The report provides insights into different regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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