

# Transdermal Drug Delivery Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/T20E3E152088EN.html>

Date: November 2023

Pages: 146

Price: US\$ 2,499.00 (Single User License)

ID: T20E3E152088EN

## Abstracts

The global transdermal drug delivery systems market size reached US\$ 6.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 9.2 Billion by 2028, exhibiting a growth rate (CAGR) of 6.5% during 2022-2028.

The transdermal drug delivery system (TDDS) is an alternative system of delivering drugs through the skin for systemic distribution. It is used as an alternative to oral intravascular, subcutaneous, and transmucosal routes. TDDS supports both chronic and acute diseases as well as cosmetic procedures as it delivers biologically active agents, such as drugs and cosmeceuticals, through the skin. It offers a controlled release of drugs, which reduces the first-pass metabolism effects, lessens the side effects, and improves the efficacy of the dosage by enabling a steady blood drug profile throughout the treatment.

**Transdermal Drug Delivery System Market Trends:**

The global transdermal drug delivery systems market is primarily driven by the growing instances of chronic disorders that cannot be treated through conventional drug delivery systems, such as oral drugs. Patients with long-term ailments, such as diabetes, are shifting toward self-administration of medicine. As a result, there has been an introduction of adhesive skin patches to administer the daily course of medication without the pain. This has encouraged patients and physicians to prefer pain-free drug delivery systems. Besides this, the wide adoption of third-generation transdermal drug delivery systems like iontophoresis promotes self-reliance in patients since it reduces frequent visits to hospitals and lessens the cumulative treatment costs. Furthermore, technological advancements, such as the inclusion of microneedles, modifications in transdermal patch designs and the incorporation of pressure-sensitive adhesives and permeation enhancers, are providing vast opportunities to manufacturers.

**Key Market Segmentation:**

IMARC Group provides an analysis of the key trends in each sub-segment of the global transdermal drug delivery systems market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on technology and application.

**Breakup by Technology:**

- Electroporation
- Radiofrequency
- Iontophoresis
- Microporation
- Thermal
- Mechanical Arrays
- Ultrasound
- Others

**Breakup by Application:**

- Central Nervous System
- Pain Management
- Cardiovascular
- Hormone
- Others

**Breakup by Region:**

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom
  - Italy
  - Spain
  - Russia
  - Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Acrux Limited, Boehringer Ingelheim International GmbH, Hisamitsu Pharmaceutical Co. Inc., Lavipharm S.A., LEAD CHEMICAL Co. Ltd., Luye Pharma Group, Nutriband Inc. and Viatris Inc.

Key Questions Answered in This Report:

How has the global transdermal drug delivery systems market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global transdermal drug delivery systems market?

What are the key regional markets?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global transdermal drug delivery systems market and who are the key players?

What is the degree of competition in the industry?

## Contents

### 1 PREFACE

### 2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### 3 EXECUTIVE SUMMARY

### 4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

### 5 GLOBAL TRANSDERMAL DRUG DELIVERY SYSTEMS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### 6 MARKET BREAKUP BY TECHNOLOGY

- 6.1 Electroporation
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Radiofrequency
  - 6.2.1 Market Trends

- 6.2.2 Market Forecast
- 6.3 Iontophoresis
  - 6.3.1 Market Trends
  - 6.3.2 Market Forecast
- 6.4 Microporation
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast
- 6.5 Thermal
  - 6.5.1 Market Trends
  - 6.5.2 Market Forecast
- 6.6 Mechanical Arrays
  - 6.6.1 Market Trends
  - 6.6.2 Market Forecast
- 6.7 Ultrasound
  - 6.7.1 Market Trends
  - 6.7.2 Market Forecast
- 6.8 Others
  - 6.8.1 Market Trends
  - 6.8.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Central Nervous System
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Pain Management
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Cardiovascular
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Hormone
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast
- 7.5 Others
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast

## **8 MARKET BREAKUP BY REGION**

## 8.1 North America

### 8.1.1 United States

#### 8.1.1.1 Market Trends

#### 8.1.1.2 Market Forecast

### 8.1.2 Canada

#### 8.1.2.1 Market Trends

#### 8.1.2.2 Market Forecast

## 8.2 Asia-Pacific

### 8.2.1 China

#### 8.2.1.1 Market Trends

#### 8.2.1.2 Market Forecast

### 8.2.2 Japan

#### 8.2.2.1 Market Trends

#### 8.2.2.2 Market Forecast

### 8.2.3 India

#### 8.2.3.1 Market Trends

#### 8.2.3.2 Market Forecast

### 8.2.4 South Korea

#### 8.2.4.1 Market Trends

#### 8.2.4.2 Market Forecast

### 8.2.5 Australia

#### 8.2.5.1 Market Trends

#### 8.2.5.2 Market Forecast

### 8.2.6 Indonesia

#### 8.2.6.1 Market Trends

#### 8.2.6.2 Market Forecast

### 8.2.7 Others

#### 8.2.7.1 Market Trends

#### 8.2.7.2 Market Forecast

## 8.3 Europe

### 8.3.1 Germany

#### 8.3.1.1 Market Trends

#### 8.3.1.2 Market Forecast

### 8.3.2 France

#### 8.3.2.1 Market Trends

#### 8.3.2.2 Market Forecast

### 8.3.3 United Kingdom

#### 8.3.3.1 Market Trends

- 8.3.3.2 Market Forecast
- 8.3.4 Italy
  - 8.3.4.1 Market Trends
  - 8.3.4.2 Market Forecast
- 8.3.5 Spain
  - 8.3.5.1 Market Trends
  - 8.3.5.2 Market Forecast
- 8.3.6 Russia
  - 8.3.6.1 Market Trends
  - 8.3.6.2 Market Forecast
- 8.3.7 Others
  - 8.3.7.1 Market Trends
  - 8.3.7.2 Market Forecast
- 8.4 Latin America
  - 8.4.1 Brazil
    - 8.4.1.1 Market Trends
    - 8.4.1.2 Market Forecast
  - 8.4.2 Mexico
    - 8.4.2.1 Market Trends
    - 8.4.2.2 Market Forecast
  - 8.4.3 Others
    - 8.4.3.1 Market Trends
    - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
  - 8.5.1 Market Trends
  - 8.5.2 Market Breakup by Country
  - 8.5.3 Market Forecast

## **9 SWOT ANALYSIS**

- 9.1 Overview
- 9.2 Strengths
- 9.3 Weaknesses
- 9.4 Opportunities
- 9.5 Threats

## **10 VALUE CHAIN ANALYSIS**

## **11 PORTERS FIVE FORCES ANALYSIS**

- 11.1 Overview
- 11.2 Bargaining Power of Buyers
- 11.3 Bargaining Power of Suppliers
- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes

## **12 PRICE ANALYSIS**

## **13 COMPETITIVE LANDSCAPE**

- 13.1 Market Structure
- 13.2 Key Players
- 13.3 Profiles of Key Players
  - 13.3.1 3M Company
    - 13.3.1.1 Company Overview
    - 13.3.1.2 Product Portfolio
    - 13.3.1.3 Financials
    - 13.3.1.4 SWOT Analysis
  - 13.3.2 Acrux Limited
    - 13.3.2.1 Company Overview
    - 13.3.2.2 Product Portfolio
    - 13.3.2.3 Financials
    - 13.3.2.4 SWOT Analysis
  - 13.3.3 Boehringer Ingelheim International GmbH
    - 13.3.3.1 Company Overview
    - 13.3.3.2 Product Portfolio
  - 13.3.4 Hisamitsu Pharmaceutical Co. Inc.
    - 13.3.4.1 Company Overview
    - 13.3.4.2 Product Portfolio
    - 13.3.4.3 Financials
  - 13.3.5 Lavipharm S.A.
    - 13.3.5.1 Company Overview
    - 13.3.5.2 Product Portfolio
  - 13.3.6 LEAD CHEMICAL Co. Ltd.
    - 13.3.6.1 Company Overview



- 13.3.6.2 Product Portfolio
- 13.3.7 Luye Pharma Group
  - 13.3.7.1 Company Overview
  - 13.3.7.2 Product Portfolio
  - 13.3.7.3 Financials
- 13.3.8 Nutriband Inc.
  - 13.3.8.1 Company Overview
  - 13.3.8.2 Product Portfolio
- 13.3.9 Viatris Inc.
  - 13.3.9.1 Company Overview
  - 13.3.9.2 Product Portfolio
  - 13.3.9.3 Financials

## List Of Tables

### LIST OF TABLES

Table 1: Global: Transdermal Drug Delivery Systems Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Transdermal Drug Delivery Systems Market Forecast: Breakup by Technology (in Million US\$), 2023-2028

Table 3: Global: Transdermal Drug Delivery Systems Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Transdermal Drug Delivery Systems Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Transdermal Drug Delivery Systems Market: Competitive Structure

Table 6: Global: Transdermal Drug Delivery Systems Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Transdermal Drug Delivery Systems Market: Major Drivers and Challenges

Figure 2: Global: Transdermal Drug Delivery Systems Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Transdermal Drug Delivery Systems Market: Breakup by Technology (in %), 2022

Figure 5: Global: Transdermal Drug Delivery Systems Market: Breakup by Application (in %), 2022

Figure 6: Global: Transdermal Drug Delivery Systems Market: Breakup by Region (in %), 2022

Figure 7: Global: Transdermal Drug Delivery Systems (Electroporation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Transdermal Drug Delivery Systems (Electroporation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Transdermal Drug Delivery Systems (Radiofrequency) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Transdermal Drug Delivery Systems (Radiofrequency) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Transdermal Drug Delivery Systems (Iontophoresis) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Transdermal Drug Delivery Systems (Iontophoresis) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Transdermal Drug Delivery Systems (Microporation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Transdermal Drug Delivery Systems (Microporation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Transdermal Drug Delivery Systems (Thermal) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Transdermal Drug Delivery Systems (Thermal) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Transdermal Drug Delivery Systems (Mechanical Arrays) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Transdermal Drug Delivery Systems (Mechanical Arrays) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Transdermal Drug Delivery Systems (Ultrasound) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Transdermal Drug Delivery Systems (Ultrasound) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: Global: Transdermal Drug Delivery Systems (Other Technologies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Transdermal Drug Delivery Systems (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Global: Transdermal Drug Delivery Systems (Central Nervous System) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Global: Transdermal Drug Delivery Systems (Central Nervous System) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Transdermal Drug Delivery Systems (Pain Management) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Transdermal Drug Delivery Systems (Pain Management) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Transdermal Drug Delivery Systems (Cardiovascular) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Transdermal Drug Delivery Systems (Cardiovascular) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Transdermal Drug Delivery Systems (Hormone) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Transdermal Drug Delivery Systems (Hormone) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Transdermal Drug Delivery Systems (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Transdermal Drug Delivery Systems (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: North America: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: North America: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: United States: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: United States: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Canada: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Canada: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Asia-Pacific: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Asia-Pacific: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: China: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: China: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Japan: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Japan: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: India: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: India: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: South Korea: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: South Korea: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Australia: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Australia: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Indonesia: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Indonesia: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Others: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Others: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Europe: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Europe: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Germany: Transdermal Drug Delivery Systems Market: Sales Value (in

Million US\$), 2017 & 2022

Figure 58: Germany: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: France: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: France: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: United Kingdom: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: United Kingdom: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Italy: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Italy: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Spain: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Spain: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Russia: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Russia: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Others: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Others: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 71: Latin America: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 72: Latin America: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Brazil: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 74: Brazil: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 75: Mexico: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 76: Mexico: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 77: Others: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 78: Others: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Middle East and Africa: Transdermal Drug Delivery Systems Market: Sales Value (in Million US\$), 2017 & 2022

Figure 80: Middle East and Africa: Transdermal Drug Delivery Systems Market: Breakup by Country (in %), 2022

Figure 81: Middle East and Africa: Transdermal Drug Delivery Systems Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Global: Transdermal Drug Delivery Systems Industry: SWOT Analysis

Figure 83: Global: Transdermal Drug Delivery Systems Industry: Value Chain Analysis

Figure 84: Global: Transdermal Drug Delivery Systems Industry: Porter's Five Forces Analysis

## I would like to order

Product name: Transdermal Drug Delivery Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/T20E3E152088EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/T20E3E152088EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970



