

Injection Pen Market Report and Forecast 2025-2034

Market Report | 2025-06-20 | 400 pages | EMR Inc.

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Report description:

The global injection pen market was valued at USD 37.80 Billion in 2024 driven by the rising prevalence of chronic diseases and growing demand for self-administration devices across the globe. It is expected to grow at a CAGR of 7.20% during the forecast period of 2025-2034 and attain a market value of USD 75.76 Billion by 2034.

Injection Pen Market Overview

Injection pens are innovative medical devices designed for precise, user-friendly drug administration, widely used for conditions like diabetes, osteoporosis, and growth hormone deficiencies. The market is driven by the rising prevalence of chronic diseases and the growing demand for self-administration solutions. Key trends include advancements in smart pens and strategic collaborations. These factors, coupled with increased patient convenience are propelling the growth and adoption of injection pens globally.

Injection Pen Market Growth Drivers

Rising Prevalence of Chronic Disease Drives Market Growth

The rising prevalence of chronic disease significantly boosts the demand for injection pens. It offers an easy-to-use, patient-friendly solution, allowing for self-administration and improved adherence to treatment regimens. According to the World Health Organization 2023 data, non-communicable or chronic diseases were responsible for approximately 41 million deaths annually, accounting for 74% of all global fatalities. As conditions like diabetes, and rheumatoid arthritis become more common, patients require consistent and convenient administration of biologics and insulin therapies.

Injection Pen Market Trends

Several trends and developments are being observed in the market to enhance the current situation. The following are some of

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the noteworthy trends.

Expanding Applications to Drive Market Value

One of the key market trends include the expansion of the applications, which is driving growth in the market. For instance, in November 2024 Swiss company Ypsomed secured a contract with Novo Nordisk to supply injection pens for its promising obesity drug, CagriSema, poised to outperform Wegovy in weight loss. This highlighted Novo's commitment to its GLP-1 pipeline, with Ypsomed expanding its production capabilities to meet rising demand by 2025.

Strategic Collaborations to Boost Injection Pen Market Growth

Strategic collaborations are driving growth in the market significantly. For instance, in February 2023, Glooko partnered with Sanofi to enhance diabetes management by integrating SoloSmart with the Glooko platform. SoloSmart, a connected device for SoloStar and DoubleStar insulin pens, tracks insulin doses, dates, and times, enabling data sharing with healthcare professionals. This collaboration aimed to expand digital solutions to over 8,000 clinics globally. Such applications are expected to promote market growth in the forecast period significantly.

Surge in FDA Approvals to Strengthen Injection Pen Market Size

In February 2023, Amgen and AstraZeneca's TEZSPIRE injection pen received FDA approval for self-administration in a pre-filled, single-use setting. set to transform the injection pen market for severe asthma treatments. This approval, based on results from the PATHFINDER clinical trial program, allowed patients greater flexibility to administer TEZSPIRE at home. Such approvals are projected to significantly boost market growth by enhancing patient compliance and expanding treatment accessibility.

Increasing Demand for Self-Administration Devices to Boosting Injection Pen Market Value

One of the significant market trends is an increasing demand for self-administration devices among patients. It is driven by a growing focus on patient empowerment and convenience. As more biologics and other treatments become available for self-injection, patients are seeking easier-to-use, at-home solutions. This trend is further supported by advancements in technology, leading to the development of more ergonomic, user-friendly injection pens that enhance the overall patient experience.

Injection Pen Market Segmentation

The market report offers a detailed analysis of the market based on the following segments:

Market Breakup by Type

- Disposable
- Re-Usable

Market Breakup by Therapy

- Diabetes
- Insulin
- GLP-1
- Growth Hormone Therapy

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- Osteoporosis
- Fertility
- Others

Market Breakup by End User

- Home Care Settings
- Hospitals
- Speciality Clinics

Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Injection Pen Market Share

Market Share by Type to Witness Significant Growth

Based on the type, the market is divided into disposable and re-usable. Among these, disposable is expected to lead the market during the forecast period, owing to a rise in the adoption of disposable injection pens across the globe. In addition, there is a focus on preventing the risk of cross-contamination and needle stick injuries associated with reusable injection pens. As healthcare professionals and patients prioritize safety, the demand for disposable type is likely to rise steadily in the forecast period.

Injection Pen Market Analysis by Region

Based on region, the market report covers North America, Europe, Asia Pacific, Latin America, the Middle East and Africa. Among these, North America is expected to dominate the market due to the presence of robust healthcare infrastructure and the prominent key players in the region. Companies like Novo Nordisk and Sanofi are heavily investing in research and development to come up with innovative products.

Leading Players in the Injection Pen Market

The key features of the market report include patent analysis, funding and investment analysis, and strategic initiatives by the leading players. The major companies are:

Pfizer Inc.

Established in 1849, Pfizer is headquartered in New York, USA. The company has developed the Genotropin Pen, an advanced injection pen for administering human growth hormone therapy. The pen simplifies dosage adjustments and ensures precise delivery, offering convenience and improved treatment adherence for patients requiring growth hormone replacement therapy.

Novartis AG

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Founded in 1996 and headquartered in Basel, Switzerland, Novartis developed the Revolizer, a reusable injection pen system designed for delivering respiratory drugs. This innovative device enhances dose accuracy and patient convenience, supporting its commitment to improving drug delivery solutions across multiple therapeutic areas.

Novo Nordisk A/S

Founded in 1923, Novo Nordisk A/S is headquartered in Denmark. The company is renowned for its FlexTouch and FlexPen insulin pens, which are widely used for diabetes management. These pens ensure accurate insulin delivery, ease of use, and enhanced patient compliance, establishing Novo Nordisk as a leader in the market.

Sanofi SA

Established in 1973, Sanofi SA is headquartered in Paris, France. The company has developed the SoloStar insulin injection pen, a widely used device for managing diabetes. The pen is designed for precision, convenience, and ease of use, helping patients maintain effective glucose control and improving their overall diabetes management experience.

Other companies include Becton, Dickinson and Company, Eli Lilly and Company, Ypsomed AG, Biocon Biologics Limited, Owen Mumford Ltd., and Merck KGaA.

Key Questions Answered in the Injection Pen Market

- What was the global injection pen market value in 2024?
- What is the global injection pen market forecast outlook for 2025-2034?
- What are the regional markets covered in the EMR report?
- What is the market segmentation based on the type?
- What is the market breakup based on the therapy?
- What is the market segmentation based on the end user?
- What are the major factors aiding the global injection pen market demand?
- What are the market's major drivers, opportunities, and restraints?
- Which regional market is expected to lead the market share in the forecast period?
- Which country is expected to experience expedited growth during the forecast period?
- What are the major global injection pen market trends?
- How does the rise in the geriatric population impact the market size?
- Who are the key players involved in the global injection pen market?
- What are the current unmet needs and challenges in the market?
- How are partnerships, collaborations, mergers, and acquisitions among the key market players shaping the market dynamics?

Table of Contents:

- 1 Preface
 - 1.1 Objectives of the Study
 - 1.2 Key Assumptions
 - 1.3 Report Coverage - Key Segmentation and Scope
 - 1.4 Research Methodology
- 2 Executive Summary

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- 3 Global Injection Pen Market Overview
 - 3.1 Global Injection Pen Market Historical Value (2018-2024)
 - 3.2 Global Injection Pen Market Forecast Value (2025-2034)
- 4 Vendor Positioning Analysis
 - 4.1 Key Vendors
 - 4.2 Prospective Leaders
 - 4.3 Niche Leaders
 - 4.4 Disruptors
- 5 Global Injection Pen Market Landscape*
 - 5.1 Global Injection Pen Market: Developers Landscape
 - 5.1.1 Analysis by Year of Establishment
 - 5.1.2 Analysis by Company Size
 - 5.1.3 Analysis by Region
 - 5.2 Global Injection Pen Market: Product Landscape
 - 5.2.1 Analysis by Type
 - 5.2.2 Analysis by Therapy
- 6 Global Injection Pen Market Dynamics
 - 6.1 Market Drivers and Constraints
 - 6.2 SWOT Analysis
 - 6.2.1 Strengths
 - 6.2.2 Weaknesses
 - 6.2.3 Opportunities
 - 6.2.4 Threats
 - 6.3 PESTEL Analysis
 - 6.3.1 Political
 - 6.3.2 Economic
 - 6.3.3 Social
 - 6.3.4 Technological
 - 6.3.5 Legal
 - 6.3.6 Environment
 - 6.4 Porter's Five Forces Model
 - 6.4.1 Bargaining Power of Suppliers
 - 6.4.2 Bargaining Power of Buyers
 - 6.4.3 Threat of New Entrants
 - 6.4.4 Threat of Substitutes
 - 6.4.5 Degree of Rivalry
 - 6.5 Key Demand Indicators
 - 6.6 Key Price Indicators
 - 6.7 Industry Events, Initiatives, and Trends
 - 6.8 Value Chain Analysis
- 7 Global Injection Pen Market Segmentation (218-2034)
 - 7.1 Global Injection Pen Market (2018-2034) by Type
 - 7.1.1 Market Overview
 - 7.1.2 Disposable
 - 7.1.3 Re-Usable
 - 7.2 Global Injection Pen Market (2018-2034) by Therapy
 - 7.2.1 Market Overview

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- 7.2.2 Diabetes
 - 7.2.2.1 Insulin
 - 7.2.2.2 GLP-1
- 7.2.3 Growth Hormone Therapy
- 7.2.4 Osteoporosis
- 7.2.5 Fertility
- 7.2.6 Others
- 7.3 Global Injection Pen Market (2018-2034) by End User
 - 7.3.1 Market Overview
 - 7.3.2 Home Care Settings
 - 7.3.3 Hospitals
 - 7.3.4 Specialty Clinics
- 7.4 Global Injection Pen Market (2018-2034) by Region
 - 7.4.1 Market Overview
 - 7.4.2 North America
 - 7.4.3 Europe
 - 7.4.4 Asia Pacific
 - 7.4.5 Latin America
 - 7.4.6 Middle East and Africa
- 8 North America Injection Pen Market (2018-2034)
 - 8.1 North America Injection Pen Market (2018-2034) by Type
 - 8.1.1 Market Overview
 - 8.1.2 Disposable
 - 8.1.3 Re-Usable
 - 8.2 North America Injection Pen Market (2018-2034) by Therapy
 - 8.2.1 Market Overview
 - 8.2.2 Diabetes
 - 8.2.2.1 Insulin
 - 8.2.2.2 GLP-1
 - 8.2.3 Growth Hormone Therapy
 - 8.2.4 Osteoporosis
 - 8.2.5 Fertility
 - 8.2.6 Others
 - 8.3 North America Injection Pen Market (2018-2034) by End User
 - 8.3.1 Market Overview
 - 8.3.2 Home Care Settings
 - 8.3.3 Hospitals
 - 8.3.4 Specialty Clinics
 - 8.4 North America Injection Pen Market (2018-2034) by Country
 - 8.4.1 United States of America
 - 8.4.1.1 United States of America Injection Pen Market Size, by Type
 - 8.4.2 Canada
 - 8.4.2.1 Canada Injection Pen Market Size, by Type
- 9 Europe Injection Pen Market (2018-2034)
 - 9.1 Europe Injection Pen Market (2018-2034) by Type
 - 9.1.1 Market Overview
 - 9.1.2 Disposable

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- 9.1.3 Re-Usable
- 9.2 Europe Injection Pen Market (2018-2034) by Therapy
 - 9.2.1 Market Overview
 - 9.2.2 Diabetes
 - 9.2.2.1 Insulin
 - 9.2.2.2 GLP-1
 - 9.2.3 Growth Hormone Therapy
 - 9.2.4 Osteoporosis
 - 9.2.5 Fertility
 - 9.2.6 Others
- 9.3 Europe Injection Pen Market (2018-2034) by End User
 - 9.3.1 Market Overview
 - 9.3.2 Home Care Settings
 - 9.3.3 Hospitals
 - 9.3.4 Specialty Clinics
- 9.4 Europe Injection Pen Market (2018-2034) by Country
 - 9.4.1 United Kingdom
 - 9.4.1.1 United Kingdom Injection Pen Market Size, by Type
 - 9.4.2 Germany
 - 9.4.2.1 Germany Injection Pen Market Size, by Type
 - 9.4.3 France
 - 9.4.3.1 France Injection Pen Market Size, by Type
 - 9.4.4 Italy
 - 9.4.4.1 Italy Injection Pen Market Size, by Type
 - 9.4.5 Others
- 10 Asia Pacific Injection Pen Market (218-2034)
 - 10.1 Asia Pacific Injection Pen Market (2018-2034) by Type
 - 10.1.1 Market Overview
 - 10.1.2 Disposable
 - 10.1.3 Re-Usable
 - 10.2 Asia Pacific Injection Pen Market (2018-2034) by Therapy
 - 10.2.1 Market Overview
 - 10.2.2 Diabetes
 - 10.2.2.1 Insulin
 - 10.2.2.2 GLP-1
 - 10.2.3 Growth Hormone Therapy
 - 10.2.4 Osteoporosis
 - 10.2.5 Fertility
 - 10.2.6 Others
 - 10.3 Asia Pacific Injection Pen Market (2018-2034) by End User
 - 10.3.1 Market Overview
 - 10.3.2 Home Care Settings
 - 10.3.3 Hospitals
 - 10.3.4 Specialty Clinics
 - 10.4 Asia Pacific Injection Pen Market (2018-2034) by Country
 - 10.4.1 China
 - 10.4.1.1 China Injection Pen Market Size, by Type

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- 10.4.2 Japan
 - 10.4.2.1 Japan Injection Pen Market Size, by Type
- 10.4.3 India
 - 10.4.3.1 India Injection Pen Market Size, by Type
- 10.4.4 ASEAN
 - 10.4.4.1 ASEAN Injection Pen Market Size, by Type
- 10.4.5 Australia
 - 10.4.5.1 Australia Injection Pen Market Size, by Type
- 10.4.6 Others
- 11 Latin America Injection Pen Market (218-2034)
 - 11.1 Latin America Injection Pen Market (2018-2034) by Type
 - 11.1.1 Market Overview
 - 11.1.2 Disposable
 - 11.1.3 Re-Usable
 - 11.2 Latin America Injection Pen Market (2018-2034) by Therapy
 - 11.2.1 Market Overview
 - 11.2.2 Diabetes
 - 11.2.2.1 Insulin
 - 11.2.2.2 GLP-1
 - 11.2.3 Growth Hormone Therapy
 - 11.2.4 Osteoporosis
 - 11.2.5 Fertility
 - 11.2.6 Others
 - 11.3 Latin America Injection Pen Market (2018-2034) by End User
 - 11.3.1 Market Overview
 - 11.3.2 Home Care Settings
 - 11.3.3 Hospitals
 - 11.3.4 Specialty Clinics
 - 11.4 Latin America Injection Pen Market (2018-2034) by Country
 - 11.4.1 Brazil
 - 11.4.1.1 Brazil Injection Pen Market Size, by Type
 - 11.4.2 Argentina
 - 11.4.2.1 Argentina Injection Pen Market Size, by Type
 - 11.4.3 Mexico
 - 11.4.3.1 Mexico Injection Pen Market Size, by Type
 - 11.4.4 Others
- 12 Middle East and Africa Injection Pen Market (218-2034)
 - 12.1 Middle East and Africa Injection Pen Market (2018-2034) by Type
 - 12.1.1 Market Overview
 - 12.1.2 Disposable
 - 12.1.3 Re-Usable
 - 12.2 Middle East and Africa Injection Pen Market (2018-2034) by Therapy
 - 12.2.1 Market Overview
 - 12.2.2 Diabetes
 - 12.2.2.1 Insulin
 - 12.2.2.2 GLP-1
 - 12.2.3 Growth Hormone Therapy

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- 12.2.4 Osteoporosis
- 12.2.5 Fertility
- 12.2.6 Others
- 12.3 Middle East and Africa Injection Pen Market (2018-2034) by End User
 - 12.3.1 Market Overview
 - 12.3.2 Home Care Settings
 - 12.3.3 Hospitals
 - 12.3.4 Specialty Clinics
- 12.4 Middle East and Africa Injection Pen Market (2018-2034) by Country
 - 12.4.1 Saudi Arabia
 - 12.4.1.1 Saudi Arabia Injection Pen Market Size, by Type
 - 12.4.2 United Arab Emirates
 - 12.4.2.1 United Arab Emirates Injection Pen Market Size, by Type
 - 12.4.3 Nigeria
 - 12.4.3.1 Nigeria Injection Pen Market Size, by Type
 - 12.4.4 South Africa
 - 12.4.4.1 South Africa Injection Pen Market Size, by Type
 - 12.4.5 Others
- 13 Regulatory Framework
 - 13.1 Regulatory Overview
 - 13.2 US FDA
 - 13.3 EU EMA
 - 13.4 Japan PMDA
 - 13.5 India CDSCO
 - 13.6 Others
- 14 Patent Analysis
 - 14.1 Analysis by Type of Patent
 - 14.2 Analysis by Publication Year
 - 14.3 Analysis by Issuing Authority
 - 14.4 Analysis by Patent Age
 - 14.5 Analysis by CPC Analysis
 - 14.6 Analysis by Patent Valuation
- 15 Funding and Investment Analysis
 - 15.1 Analysis by Funding Instances
 - 15.2 Analysis by Drug Class of Funding
 - 15.3 Analysis by Funding Amount
 - 15.4 Analysis by Leading Players
 - 15.5 Analysis by Leading Investors
 - 15.6 Analysis by Geography
- 16 Strategic Initiatives
 - 16.1 Analysis by Partnership Instances
 - 16.2 Analysis by Drug Class of Partnership
 - 16.3 Analysis by Leading Players
 - 16.4 Analysis by Geography
- 17 Supplier Landscape
 - 17.1 Market Share Analysis, By Region (Top 5 Companies)
 - 17.1.1 Market Share Analysis: Global

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- 17.1.2 Market Share Analysis: North America
- 17.1.3 Market Share Analysis: Europe
- 17.1.4 Market Share Analysis: Asia Pacific
- 17.1.5 Market Share Analysis: Others
- 17.2 Becton, Dickinson and Company
 - 17.2.1 Financial Analysis
 - 17.2.2 Product Portfolio
 - 17.2.3 Demographic Reach and Achievements
 - 17.2.4 Company News and Development
 - 17.2.5 Certifications
- 17.3 Eli Lilly and Company
 - 17.3.1 Financial Analysis
 - 17.3.2 Product Portfolio
 - 17.3.3 Demographic Reach and Achievements
 - 17.3.4 Company News and Development
 - 17.3.5 Certifications
- 17.4 Ypsomed AG
 - 17.4.1 Financial Analysis
 - 17.4.2 Product Portfolio
 - 17.4.3 Demographic Reach and Achievements
 - 17.4.4 Company News and Development
 - 17.4.5 Certifications
- 17.5 Biocon Biologics Limited
 - 17.5.1 Financial Analysis
 - 17.5.2 Product Portfolio
 - 17.5.3 Demographic Reach and Achievements
 - 17.5.4 Company News and Development
 - 17.5.5 Certifications
- 17.6 Pfizer Inc.
 - 17.6.1 Financial Analysis
 - 17.6.2 Product Portfolio
 - 17.6.3 Demographic Reach and Achievements
 - 17.6.4 Company News and Development
 - 17.6.5 Certifications
- 17.7 Novartis AG
 - 17.7.1 Financial Analysis
 - 17.7.2 Product Portfolio
 - 17.7.3 Demographic Reach and Achievements
 - 17.7.4 Company News and Development
 - 17.7.5 Certifications
- 17.8 Novo Nordisk A/S
 - 17.8.1 Financial Analysis
 - 17.8.2 Product Portfolio
 - 17.8.3 Demographic Reach and Achievements
 - 17.8.4 Company News and Development
 - 17.8.5 Certifications
- 17.9 Sanofi SA

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- 17.9.1 Financial Analysis
- 17.9.2 Product Portfolio
- 17.9.3 Demographic Reach and Achievements
- 17.9.4 Company News and Development
- 17.9.5 Certifications
- 17.10 Owen Mumford Ltd.
- 17.10.1 Financial Analysis
- 17.10.2 Product Portfolio
- 17.10.3 Demographic Reach and Achievements
- 17.10.4 Company News and Development
- 17.10.5 Certifications
- 17.11 Merck KGaA
- 17.11.1 Financial Analysis
- 17.11.2 Product Portfolio
- 17.11.3 Demographic Reach and Achievements
- 17.11.4 Company News and Development
- 17.11.5 Certifications
- 18 Global Injection Pen Market - Distribution Model (Additional Insight)
- 18.1 Overview
- 18.2 Potential Distributors
- 18.3 Key Parameters for Distribution Partner Assessment
- 19 Key Opinion Leaders (KOL) Insights (Additional Insight)

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