

North America And Europe Intravenous Infusion Pumps Market Size, Share & Trends Analysis Report By Product (Volumetric Infusion Pumps, Syringe Infusion Pumps), By Disease Indication (Chemotherapy), By End-use, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Market Size & Trends

The North America and Europe intravenous infusion pumps market size was valued at USD 4.45 billion in 2024 and is projected to grow at a CAGR of 8.10% from 2025 to 2030. This growth is attributed to the increase in the prevalence of chronic diseases such as respiratory diseases, stroke, diabetes, cancer, and cardiovascular diseases, wherein cardiovascular disease is the major cause of death in Europe and North America. For instance, according to the U.S. Department of Health and Human Services, an estimated 129 million people in the US have at least one major chronic disease. Intravenous infusion pumps ensure controlled, regulated, & error-free delivery of nutrients and medications while treating patients via radiation therapy or chemotherapy, as these are very complex processes and require precise dosages of medication. The use of these pumps helps in reducing errors during administration, as medication errors are the most common types of errors and cannot be taken carelessly while handling patients with chronic diseases.

There is a need for advanced delivery systems that are safer, more efficient, and standardized. The introduction of smart infusion pumps or next-generation intravenous pumps is imparting greater growth opportunities for the overall pump market. Smart pumps are infusion devices that are embedded with a computer software system aimed

at decreasing drug dosing errors through the presence of drug libraries, ensuring safe medication administration. For instance, in April 2024, Mackenzie Health in Canada became the first healthcare system to implement BD Alaris EMR Interoperability, enabling two-way communication between IV infusion pumps and electronic medical records (EMRs). This advancement eliminates the need for manual programming, significantly reducing medication administration errors while improving workflow efficiency. Studies show an 86% reduction in keystrokes needed for infusion programming. Such smart infusion technologies are driving market growth by increasing hospital demand for interoperable and automated IV pumps.

Regulatory approvals of advanced infusion pump technologies are a key market driver for the intravenous infusion pump market, improving patient safety, efficiency, and connectivity in healthcare settings. For instance, in April 2024, Baxter International Inc. recently received FDA 510(k) clearance for its Novum IQ large volume infusion pump with Dose IQ Safety Software, expanding its Novum IQ Infusion Platform. This integrated system, which includes both large volume and syringe pumps, allows clinicians to use a single, connected platform across multiple care settings, enhancing workflow efficiency and reducing medication errors. As hospitals increasingly adopt smart, interoperable infusion technologies, demand for next-generation IV pumps is expected to grow significantly.

North America And Europe Intravenous Infusion Pumps Market Report Segmentation
This report forecasts revenue growth at regional & country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the North America and Europe intravenous infusion pumps market report on the basis of product, disease indication, end-use, and region:

Product Outlook (Revenue, USD Million, 2018 - 2030)

Volumetric Infusion Pumps

Syringe Infusion Pumps

Ambulatory Infusion Pumps

Patient-Controlled Analgesia Infusion Pumps

Implantable Infusion Pumps

Others

Disease Indication Outlook (Revenue, USD Million, 2018 - 2030)

Chemotherapy

Diabetes

Gastroenterology

Analgesia/Pain Management

Pediatrics/Neonatology

Hematology

Others

End-use Outlook (Revenue, USD Million, 2018 - 2030)

Hospitals

Homecare

Others

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Europe

UK

Germany

France

Italy

Spain

Denmark

Sweden

Norway

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