

Intravenous Solutions Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025-2034

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Abstracts

The Global Intravenous Solutions Market, valued at USD 13.9 billion in 2024, is projected to expand at a CAGR of 8% from 2025 to 2034. Intravenous (IV) solutions are sterile liquids administered directly into a patient's bloodstream to maintain hydration, deliver medications, and supply essential nutrients. Demand for IV solutions is rising due to increasing malnutrition, the prevalence of chronic diseases, and food insecurity. A significant portion of the global population struggles with inadequate nutrition, fueling the need for IV solutions. Additionally, the growing use of IV fluids in neonatal and pediatric care is linked to the high incidence of preterm births, which require specialized nutritional support. Hospitals and healthcare facilities worldwide continue to integrate IV solutions into patient care for hydration therapy, nutrient replenishment, and post-surgical recovery.

The market is divided by type into total parenteral nutrition and peripheral parenteral nutrition (PPN). In 2024, the PPN segment dominated the market, reaching USD 8.4 billion in revenue. PPN is a preferred method for short-term nutritional support, supplying vital nutrients such as dextrose, amino acids, and lipids through peripheral veins. It helps maintain nutritional balance, prevents deficiencies, and supports patients with limited oral intake. Research suggests that timely PPN administration reduces the risk of infections and metabolic complications, making it a crucial component in modern medical treatments.

Segmented by composition, the market includes vitamins and minerals, carbohydrates, single-dose amino acids, parenteral lipid emulsions, and other essential compounds. The carbohydrates segment accounted for 40.6% of total market revenue in 2024 and is expected to reach USD 12.2 billion by 2034. Dextrose-based IV solutions are widely

used to provide caloric support to critically ill patients who cannot receive nutrition through conventional means. These solutions play a key role in maintaining metabolic stability, preventing muscle breakdown, and aiding recovery. Clinical studies support the effectiveness of carbohydrate-based IV solutions in improving patient outcomes, especially in postoperative and trauma care.

By age group, the geriatric population accounted for the highest market share, representing 48.8% of total revenue in 2024. Older adults are highly susceptible to dehydration due to reduced thirst sensation, mobility challenges, and various health conditions. IV solutions ensure effective hydration and nutrient delivery, preventing complications linked to chronic illnesses. The aging global population further drives demand, with healthcare providers increasingly relying on IV therapy for elderly patients with swallowing difficulties or gastrointestinal disorders.

In terms of application, the market is segmented into nutritional support, blood transfusion, and fluid and electrolyte balance. The nutritional support segment led the market in 2024, generating USD 6.2 billion in revenue. The rising incidence of malnutrition, chronic diseases, and post-surgical recovery needs, contribute to this growth. Patients with gastrointestinal disorders or conditions affecting nutrient absorption benefit significantly from IV-administered nutrition, ensuring adequate nourishment for recovery.

By end use, hospitals and clinics dominated the market, holding a 58.8% revenue share in 2024. These facilities rely heavily on IV solutions for critical care, surgeries, trauma management, and hydration therapy. The increasing prevalence of chronic diseases and advancements in healthcare infrastructure further boost adoption. Additionally, clinics have expanded their use of IV therapy for managing chronic conditions and short-term treatments.

In North America, the intravenous solutions market is witnessing rapid expansion, with the US projected to reach USD 10.6 billion by 2034. Rising healthcare demands, stringent FDA regulations ensuring product quality, and high adoption rates of advanced IV solutions contribute to market growth. With ongoing advancements and increasing awareness of IV therapy's benefits, the market is poised for significant expansion in the coming years.

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