

# **Parenteral Nutrition Market Size and Forecasts (2020 - 2030), Global and Regional Share, Trend, and Growth Opportunity Analysis By Nutrient Type (Single Dose Amino Acid Solution, Parenteral Lipid Emulsion, Carbohydrates, Trace Elements, and Vitamins and Minerals) and End User (Hospitals, Clinics, and Others)**

<https://marketpublishers.com/r/PF24E2A8B223EN.html>

Date: February 2024

Pages: 154

Price: US\$ 5,190.00 (Single User License)

ID: PF24E2A8B223EN

## **Abstracts**

The parenteral nutrition market size was valued at US\$ 6.84 billion in 2022 and is expected to reach US\$ 11.21 billion by 2030. The market is estimated to register a CAGR of 6.2% from 2022 to 2030.

Parenteral nutrition is a type of nutritional supplementation administered intravenously that includes fluids, vitamins, minerals, trace elements, amino acids, and electrolytes. Compared to enteral (gastric or intestinal) feeding, parenteral nutrition is more complex, more costly, and linked to a higher risk of infection and longer hospital stays. Only patients who are unable to receive nutrition enterally are prescribed parenteral nutrition. The goals of parenteral nutrition therapy include restoring nutritional status, treating hypoproteinemia, fixing muscle weakness, and replacing other nutritional deficits. The parenteral nutrition market trends include innovation in formulations of nutrition products. There is a surge in the demand for products that help consumers proactively manage their health, especially those focused on specific needs in terms of energy levels, immunity, and disease treatment. Nutritional requirements differ based on the type of illness. Functionality and specific formulations of the parenteral products do not interfere with the existing treatment provided to patients and help deliver a more precise and enhanced treatment as per the requirement. The macronutrient and micronutrient formulations of parenteral nutrition and their applications vary based on the type of disease, including cancer and gastrointestinal diseases.

Significant developments in innovative formulations bring in a new era of nutritional solutions that are designed to meet all individual demands as well as the medical conditions of each patient. This level of personalization improves patient outcomes in addition to increasing the effectiveness of parenteral nutrition. Formulation innovations enable the market to fully meet the unique nutritional needs of different patients, from newborns and older adults to people with certain medical conditions. For example, the emergence of lipid-based emulsions with improved stability and bioavailability is changing the face of intravenous nourishment, especially for the treatment of premature infants. Additionally, the inherent risks of problems and side effects that have traditionally been connected to conventional nutritional solutions are reduced because of these formulation innovations. The industry is positioned for exceptional growth and long-term success because of its dual benefits of promoting the adoption of parenteral nutrition within the healthcare ecosystem and improving patient care.

#### By Nutrient Type, Parenteral Nutrition Market-Based Insights

The parenteral nutrition market, by nutrient type, is segmented into single dose amino acid solution, parenteral lipid emulsion, carbohydrates, trace elements, and vitamins and minerals. carbohydrates, parenteral lipid emulsion, single dose amino acid solution, trace elements, and vitamins and minerals. In 2022, the single dose amino acid solution segment dominated the parenteral nutrition market share; and the parenteral lipid emulsion segment is likely to register the highest CAGR during the forecast period. There is a growing need for nutrition therapies such as parenteral amino acids that deliver a substantial amount of protein, but not a toxic amount of energy, to slow down protein catabolism in critically ill patients.

#### By End User, Parenteral Nutrition Market -Based Insights

In terms of end user, the parenteral nutrition market is categorized into hospitals, clinics, and others. The hospitals segment held the largest share of the market in 2022; however, the clinic segment is anticipated to register the highest CAGR in the parenteral nutrition market during 2022-2030. Hospitals are considered the largest entities that have all the facilities available. Hospitals also provide various diagnostics and treatment facilities that can be reimbursed under insurance claims. Hospitals are associated with various doctors, specialists' doctors, and other professionals who provide enhanced healthcare services. All types of cardiovascular diseases can be treated in hospitals. Hospitals serve a substantial role by providing extensive medical services, including nursing services, to patients suffering from a variety of diseases. This increased the adoption of transdermal drug delivery systems for several diseases and surgeries among patients in hospitals.

Medicines and Healthcare Regulatory Authority, Element-Nutrition-Deck, Office for

National Statistics, and National Institute for Clinical Excellence are a few of the major secondary sources referred to while preparing the report on the parenteral nutrition market.

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