



Total Parenteral Nutrition (TPN) in the Home Setting

LOB(s): <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Medicare <input checked="" type="checkbox"/> Medicaid	State(s): <input checked="" type="checkbox"/> Idaho <input checked="" type="checkbox"/> Montana <input checked="" type="checkbox"/> Oregon <input checked="" type="checkbox"/> Washington <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Oregon <input type="checkbox"/> Washington
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Enterprise Policy

Clinical Guidelines are written when necessary to provide guidance to providers and members in order to outline and clarify coverage criteria in accordance with the terms of the Member's policy. This Clinical Guideline only applies to PacificSource Health Plans, PacificSource Community Health Plans, and PacificSource Community Solutions in Idaho, Montana, Oregon, and Washington. Because of the changing nature of medicine, this list is subject to revision and update without notice. This document is designed for informational purposes only and is not an authorization or contract. Coverage determinations are made on a case-by-case basis and subject to the terms, conditions, limitations, and exclusions of the Member's policy. Member policies differ in benefits and to the extent a conflict exists between the Clinical Guideline and the Member's policy, the Member's policy language shall control. Clinical Guidelines do not constitute medical advice nor guarantee coverage.

Background

Total Parenteral Nutrition (TPN) is the intravenous provision of a person's complete nutritional requirements. TPN that is required for a short length of time is usually given through peripheral veins. Long-term TPN is often accomplished through a central venous catheter (e.g. Hickman, Broviac, PICC.) TPN is usually required in patients with a disease process that causes a temporary or permanent loss of absorption through the surface of the small intestine. TPN should only be an option for patients who cannot receive adequate nutritional intake via oral or enteral nutrition.

TPN can be administered safely and effectively in the patient's home by persons with specialized training. TPN is covered under the home infusion/home health benefit.

Criteria

Commercial

Prior authorization is required.

PacificSource considers Total Parenteral Nutrition (TPN) in the home setting medically necessary when ALL of the following criteria are met:

- A. Clear documentation of a clinically significant structural or functional gastrointestinal condition, which impairs intestinal absorption;
- B. Nutritional status cannot be maintained by **ONE** of the following:
 - 1. Modified nutrient composition of an oral or enteral diet (e.g., lactose-free diet) due to a clinically significant structural or functional gastrointestinal condition;

2. Pharmacological trial of dietary adjustment to treat the etiology of the malabsorption (e.g., pancreatic enzymes).

C. Failure of enteral nutrition as evidenced by **ONE** of the following:

1. Patient unable to receive more than 50% of daily caloric needs from oral and/or enteral diet (e.g., tube feed)
2. Serum albumin less than 3.4 grams/dL
3. More than 10% loss of body weight over a three-month (or less) period

For pre-mixed solution requests, documentation must meet **ALL** criteria listed above **AND** include a signed statement from the physician that establishes the member is unable to safely or effectively mix the solution, and there is no family member or other person (caregiver) capable of safely mixing the solution.

Approved service range may be no longer than 60 days per prior authorization, up to six month maximum. Requests for more than six months or requests for lifetime TPN require Medical Director review.

Medicaid

PacificSource Community Solutions follows Oregon Administrative Rules (OARs) 410-148-0000 to 0320 for coverage of Total Parenteral Nutrition (TPN) in the Home Setting.

Medicare

PacificSource Medicare follows National Coverage Determination 180.2 for Enteral and Parenteral Nutritional Therapy.

Coding Information

The following list of codes are for informational purposes only and may not be all-inclusive. Deleted codes and codes which are not effective at the time the service is rendered may not be eligible for reimbursement.

- B4164 Parenteral nutrition solution: carbohydrates (dextrose), 50% or less (500 ml = 1 unit), home mix-
- B4168 Parenteral nutrition solution; amino acid, 3.5%, (500 ml = 1 unit) - home mix
- B4172 Parenteral nutrition solution; amino acid, 5.5% through 7%, (500 ml = 1 unit) - home mix
- B4176 Parenteral nutrition solution; amino acid, 7% through 8.5%, (500 ml = 1 unit) - home mix
- B4178 Parenteral nutrition solution: amino acid, greater than 8.5% (500 ml = 1 unit) - home mix
- B4180 Parenteral nutrition solution: carbohydrates (dextrose), greater than 50% (500 ml = 1 unit), home mix
- B4185 Parenteral nutrition solution, not otherwise specified, 10 g lipids
- B4187 Omegaven, 10 g lipids

- B4189 Parenteral nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 10-51 g of protein, premix
- B4193 Parenteral nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 52-73 g of protein, premix
- B4197 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements and vitamins, including preparation, any strength, 74-100 g of protein premix
- B4199 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements and vitamins, including preparation, any strength, over 100 g of protein, premix
- B4216 Parenteral nutrition; additives (vitamins, trace elements, Heparin, electrolytes), home mix, per day
- B4220 Parenteral nutrition supply kit; premix, per day
- B4222 Parenteral nutrition supply kit; home mix, per day
- B4224 Parenteral nutrition administration kit, per day
- B5000 Parenteral nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, renal - Amirosyn RF, NephroAmine, RenAmine – premix
- B5100 Parenteral nutrition solution compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, hepatic-HepatoAmine-premix
- B5200 Parenteral nutrition solution compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, stress-branch chain amino acids-FreAmine-HBC-premix A
- B9999 Not otherwise covered parenteral supplies
- S9364 Home infusion therapy, total parenteral nutrition (TPN); administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment including standard TPN formula (lipids, specialty amino acid formulas, drugs other than in standard formula and nursing visits coded separately), per diem (do not use with home infusion codes S9365-S9368 using daily volume scales)

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HCPCS® codes, descriptions and materials are copyrighted by Centers for Medicare and Medicaid Services (CMS).

References

Centers for Medicare and Medicaid Services (CMS). (1/1/2022). Enteral and Parenteral Nutritional Therapy Manual, NCD 180.2. <https://www.cms.gov/medicare-coverage-database/view/ncd.aspx?ncdid=242&ncdver=2&bc=AAAAgAAAAAAAAAAAA%3d%3d&=>

Department of Health and Human Services (DJJS) and Health Care Financing Administration (HCFA). (12/7/2000). Medicare Coverage Issues Manual: Parenteral Nutrition Therapy, 65-10.2 <http://www.cms.hhs.gov/transmittals/downloads/R133CIM.pdf>

American Gastroenterological Association (2001). American Gastroenterological Association medical position statement: parenteral nutrition. *Gastroenterology*, 121(4), 966–969.

http://www.guideline.gov/summary/summary.aspx?ss=14&doc_id=3056&string

The MERCK MANUAL for HEALTH CARE PROFESSIONALS. (2022). Total Parenteral Nutrition (TPN).

http://www.merckmanuals.com/professional/nutritional_disorders/nutritional_support/total_parenteral_nutrition_tpn.html

Worthington, P., Balint, J., Bechtold, M., Bingham, A., Chan, L.-N., Durfee, S., Jevonn, A.K., Malone, A., Mascarenhas, M., Robinson, D.T. and Holcombe, B. (2017), When Is Parenteral Nutrition Appropriate?. *Journal of Parenteral and Enteral Nutrition*, 41: 324-377. <https://doi.org/10.1177/0148607117695251>

Appendix

Policy Number:

Effective: 8/1/2020

Next review: 2/1/2024

Policy type: Enterprise

Author(s):

Depts: Health Services

Applicable regulation(s):

Commercial Ops: 1/2023

Government Ops: 1/2023