



Policy Number: PA.056.MPC  
Last Review Date: 08/18/2022  
Effective Date: 09/01/2022

## PA.056.MPC – Parenteral Nutrition/Total Parental Nutrition

Maryland Physicians Care considers **Parenteral Nutrition/Total Parental Nutrition (TPN)** medically necessary when both criteria #1 and #2 are met:

1. Absorption of nutrients is impaired due to a condition involving the small intestine and/or its exocrine glands

OR

There is a motility disorder that impairs the ability of nutrients to be transported through the gastro intestinal (GI) system.

AND

2. Any *one* of the following criteria is met:

- The member has undergone massive small bowel resection leaving less than or equal to five feet of small bowel beyond the ligament of Treitz

OR

- The member has a short bowel syndrome, or other intestinal malabsorptive disorder, where on an oral/enteral intake of 2.5-3 liters/day results in enteral losses which exceed 50% of the oral/enteral intake and the urine output is less than 1 liter/day

OR

- The member has complete mechanical small bowel obstruction where surgery is not an option

OR

- The member requires bowel rest and is receiving 20-35 cal/kg/day intravenously for treatment of symptomatic pancreatitis with/without pancreatic pseudocyst, severe exacerbation of regional enteritis, or a proximal enterocutaneous fistula where tube feeding distal to the fistula isn't possible

OR

- All of the following criteria are met:
  - The member is severely malnourished (10% weight loss over 3 months or less and serum albumin less than or equal to 3.4 gm/dl)

And

- There is documented evidence that a disease and clinical condition is present and modifying the nutrient composition of the enteral diet and use of pharmacologic means to treat the etiology has failed

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And

- An enteric tube trial of nutrition was attempted and failed.

**Intradialytic Parenteral Therapy (IDPN):** IDPN is considered medically necessary when both criteria #1 and #2 are met:

1. The individual is on chronic hemodialysis or peritoneal dialysis

And

2. The individual's nutritional status cannot be adequately maintained on oral or enteral feedings/ supplements.

### Limitations

1. TPN is not covered for members with a functioning gastrointestinal tract and the need is due to any of the following conditions:
  - Swallowing disorder
  - Temporary defect in gastric emptying such as a metabolic or electrolyte disorder
  - Psychological disorder impairing food intake such as depression
  - Metabolic disorder inducing anorexia, such as cancer
  - Physical disorder that impairs food intake, i.e., dyspnea from severe cardiac or pulmonary disease
  - Side effect of a medication
  - Renal failure and/or dialysis as a sole diagnosis
  - For routine pre- and/or postoperative care
  - When used to increase protein or caloric intake in addition to the member's daily diet.
2. The medical necessity for special parenteral formulas must be justified and documented for each member or it will be denied as not medically necessary.
3. The ordering physician must document the medical necessity for protein orders outside of the range of 0.8-1.5 gm/kg/day, dextrose concentration less than 10%, or lipid use greater than 1500 grams per month or it will be denied as not medically necessary.
4. The ordering physician is expected to see the member within 30 days prior to the initial certification or required recertification (but not revised certifications).  
If the physician does not see the member within this timeframe, they must document the reason why and describe what other monitoring methods were used to evaluate the member's nutrition needs.
5. One pump (stationary or portable) will be covered at any one time. Additional pumps will be denied as not medically necessary.
6. One supply kit and one administration kit will be covered for each day that parenteral nutrition is administered.

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### Background

There are patients who, because of chronic illness or trauma, cannot be sustained through oral feeding. These people must rely on either enteral or parenteral nutritional therapy, depending upon the particular nature of their medical condition. Parenteral nutrition is the provision of nutritional requirements intravenously. Parenteral Nutrition Therapy Daily parenteral nutrition is considered reasonable and necessary for a patient with severe pathology of the alimentary tract which does not allow absorption of sufficient nutrients to maintain weight and strength commensurate with the patient's general condition.

### Codes:

<b>HCPCS codes covered if selection criteria are met (If Appropriate):</b>	
Code	Description
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= 1unit), home mix
B4176	Parenteral nutrition solution: amino acid, 7% through 8.5% (500 ml= 1unit), home mix
B4178	Parenteral nutrition solution: amino acid, greater than 8.5% (500 ml= 1unit), home mix
B4180	Parenteral nutrition solution: carbohydrates (dextrose) greater than 50%(500 ml= 1unit), home mix
B4187	Omegaven, 10 g lipids
B4189	Parental nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 10 to 51 g of protein, premix
B4193	Parental nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 52 to 73 g of protein, premix
B4197	Parental nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 74 to 100 g of protein, premix

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B4199	Parental 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 nutritional; additives (vitamins, trace elements, Heparin, electrolytes), home mix, per day
B4220	Parenteral nutrition supply kit; premix, per day
B4222	Parenteral nutrition supple 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- FreAmine HBC, HepatAmine,- premix
B5200	Parental nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, stress-branch chain amino acids- premix

### References

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[http://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/ncd103c1\\_Part3.pdf](http://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/downloads/ncd103c1_Part3.pdf)
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4. Heyland DK. Nutritional support in the critically ill patient. A critical review of the evidence. Crit Care Clin 1998 Jul; 14(3):423-440.  
<https://www.ncbi.nlm.nih.gov/pubmed/9700440>
5. Reilly H. Parenteral nutrition: an overview of current practice. Br J Nurse 1998 Apr 23-May 13:7(8):461-467.

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6. The Veterans Affairs Total Parenteral Nutrition Cooperative Study Group. Perioperative total parenteral nutrition in surgical patients. N Engl J Med. 1991 Aug; 325(8):525-532. <http://www.nejm.org/doi/pdf/10.1056/NEJM199108223250801>

### Archived References:

1. Centers for Medicare and Medicaid Services: Local Coverage Determination (L33798) - Parenteral Nutrition (Contractor: NHIC, Corp). Revision Effective Date: 01/01/2020. Retirement Date: 11/12/2020. <https://www.cms.gov/medicare-coverage-database/details/lcd-details.aspx?lcdid=33798&ver=26&bc=CAAAAAAAAAAAAA>
2. Centers for Medicare and Medicaid Services: Local Coverage Article (A52515): Parenteral Nutrition, Effective May 2013. Revision Effective Date 01/01/2020. Retirement Date: 11/12/2020. <https://www.cms.gov/medicare-coverage-database/details/article-details.aspx?articleid=52515&ver=31&keyword=A52515&keywordType=starts&areald=all&docType=NCA,CAL,NCD,MEDCAC,TA,MCD,6,3,5,1,F,P&contractOption=all&sortBy=relevance&bc=AAAAAAQAAAAA&KeyWordLookUp=Doc&KeyWordSearchType=Exact>
3. Hayes. Health Technology Brief. Intradialytic Parenteral Nutrition (IDPN) for End-Stage Renal Disease in Adults. Archived Sep 28, 2011.

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