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OVERVIEW

This policy describes the reimbursement for enteral and parenteral nutrition therapy. Enteral nutrition therapy (commonly called tube feeding) is a form of nutrition administered into the gastrointestinal tract through a small catheter that may be temporary or permanent. Parenteral nutrition involves the delivery of micronutrients and macronutrients through catheters in central or peripheral veins when adequate nutritional intake is not possible via the oral or tube-feeding route because the gastrointestinal tract is non-functioning.

MEDICAL CRITERIA

None

PRIOR AUTHORIZATION

Preauthorization is not required

POLICY STATEMENT

BlueCHiP for Medicare and Commercial Products

- Enteral nutrition therapy as the sole source of nutrition delivered by means of a nasogastric (NG), nasoenteric (NE), gastrostomy (G), or jejunostomy (J) tubefeeding tube or through a vein is covered.
- Parenteral nutrition therapy as the sole source of nutrition delivered through a catheter through a central or peripheral vein is covered.
- Enteral or parenteral formulas must be prescribed by a physician for use and administered by a participating Home Infusion Therapy provider.

The following enteral products are not covered:

- Enteral products that are administered orally and related supplies
- Enteral products used as supplements to the patient's daily diet
- Baby food and other grocery items/products that can be pureed in a blender and used with the enteral system
- Over-the-counter products (e.g., Boost, Ensure, Pediasure, Sustacal)

COVERAGE

Benefits may vary between groups and contracts. Please refer to the appropriate Evidence of Coverage, Subscriber agreement for the applicable "Medical Equipment, Medical Supplies and Prosthetic Devices" coverage.

BACKGROUND

Enteral nutrition therapy (commonly called tube feeding) is a form of nutrition administered into the gastrointestinal tract through a small catheter that may be temporary or permanent. The liquid nutritional formula may be delivered via a nasogastric, nasoenteric, jejunostomy, or gastrostomy infusion tube. The American Gastroenterological Association states that tube feeding should be considered for patients who cannot or will not eat, who have a functional digestive tract, and for whom a safe method of access is possible. The use of enteral therapy may be on a short-term basis for acute conditions, or long-term for chronic conditions. The nutrient mixture is a diet that provides essential nutrients in a readily assimilated

form requiring little or no active digestion and minimal residue. The standard formula selected for most patients is the isotonic polymeric formula, which meets the nutritional needs of most people.

Enteral nutrition is typically for a patient with a functioning gastrointestinal tract who cannot maintain weight and strength commensurate with his/her general condition due to an anatomical or motility disorder that prevents food from reaching the digestive tract. Examples of anatomical conditions include obstructions due to head and neck cancer, tumors, reconstructive surgery, or stricture of the esophagus or stomach. Examples of motility disorders include dysphagia following a stroke and neuromuscular diseases that interfere with the normal ability to chew and swallow. It is also for patients with partial impairments such as Crohn's disease resulting with absorption problems, or a patient who can only swallow small amounts of food due to dysphagia where the gastrointestinal tract function is adequate and the enteral nutrition is the sole source. **Sole source** is defined as “the primary source of sufficient caloric/nutrient intake to achieve or maintain appropriate body weight.”

For most adults, a total caloric intake of 20-35 calories per kilogram per day is considered sufficient to achieve or maintain appropriate body weight adults. Sufficient caloric intake is essential in pediatric patients to ensure proper growth and maintenance of body metabolism. Estimated energy needs of a pediatric patient's caloric intake ranges vary. Infants 0-1 years of age require 90-120 calories per kilogram per day; 1-7 years, 75-90 calories per kilogram per day; 7-12 years, 60-75 calories per kilogram per day; 12-18 years, 30-60 calories per kilogram per day; older than 18 years should follow the adult recommendations of 20-35 calories per kilogram per day.

Parenteral nutrition involves the delivery of micronutrients and macronutrients through catheters in central or peripheral veins when adequate nutritional intake is not possible via the oral or tube-feeding route because the gastrointestinal tract is non-functioning. In most instances, the central venous route is utilized, and for long-term total parenteral nutrition a central catheter is burrowed through a subcutaneous tunnel on the anterior chest. It is also used for variable periods of time to bolster the nutritional status of severely malnourished patients with medical or surgical conditions. A nutritionally adequate hypertonic solution consisting of glucose (sugar), amino acids (protein), electrolytes (sodium, potassium), vitamins and minerals, and sometimes fats is administered daily. An infusion pump is generally used to assure a steady flow of the solution either on a continuous (24-hour) or intermittent schedule. If intermittent, a heparin lock device and diluted heparin are used to prevent clotting inside the catheter.

CODING

The following codes are covered for BlueCHiP for Medicare and Commercial products:

- B4034 Enteral feeding supply kit; syringe, per day
- B4035 Enteral feeding supply kit; pump fed, per day
- B4036 Enteral feeding supply kit; gravity fed, per day
- B4081 Nasogastric tubing with stylet
- B4082 Nasogastric tubing without stylet
- B4083 Stomach tube-levine type
- B4087 Gastrostomy/jejunostomy tube, standard, any material, any type, each
- B4088 Gastrostomy/jejunostomy tube, low-profile, any material, any type, each

The following codes are non-covered for BlueCHiP for Medicare and Commercial products as the formula is not administered via a feeding tube:

- B4102 Enteral formula, for adults, used to replace fluids and electrolytes (e.g., clear liquids), 500 ml = 1 unit
- B4103 Enteral formula, for pediatrics, used to replace fluids and electrolytes (e.g., clear liquids), 500 ml = 1 unit
- B4104 Additive for enteral formula (e.g., fiber)

The following codes for enteral and parenteral nutrition are covered BlueCHiP for Medicare and Commercial products as the formula is administered via a feeding tube for institutional and professional providers:

- B4149 Enteral formula, blended natural foods with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4150 Enteral formula, nutritionally complete with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4152 Enteral formula, nutritionally complete, calorically dense (equal to or greater than 1.5 kcal/ml) with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4153 Enteral formula, nutritionally complete, hydrolyzed proteins (amino acids and peptide chain), includes fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4154 Enteral formula, nutritionally complete, for special metabolic needs, excludes inherited disease of metabolism, includes altered composition of proteins, fats, carbohydrates, vitamins and/or minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4155 Enteral formula, nutritionally incomplete/modular nutrients, includes specific nutrients, carbohydrates (e.g. glucose polymers), proteins/amino acids (e.g., glutamine, arginine), fat (e.g. medium chain triglycerides) or combination, administered through an enteral feeding tube, 100 calories = 1 unit
- B4157 Enteral formula, nutritionally complete, for special metabolic needs for inherited disease of metabolism, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4158 Enteral formula, for pediatrics, nutritionally complete with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber and/or iron, administered through an enteral feeding tube, 100 calories = 1 unit
- B4159 Enteral formula, for pediatrics, nutritionally complete soy based with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber and/or iron, administered through an enteral feeding tube, 100 calories = 1 unit
- B4160 Enteral formula, for pediatrics, nutritionally complete calorically dense (equal to or greater than 0.7 kcal/ml) with intact nutrients, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4161 Enteral formula, for pediatrics, hydrolyzed/amino acids and peptide chain proteins, includes fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4162 Enteral formula, for pediatrics, special metabolic needs for inherited disease of metabolism, includes proteins, fats, carbohydrates, vitamins and minerals, may include fiber, administered through an enteral feeding tube, 100 calories = 1 unit
- B4164 Parenteral nutrition solution: carbohydrates (dextrose), 50% or less (500 ml =1 unit) - homemix
- B4168 Parenteral nutrition solution; amino acid, 3. 5%, (500 ml = 1 unit) - homemix
- B4172 Parenteral nutrition solution; amino acid, 5. 5% through 7%, (500 ml = 1 unit)
- B4176 Parenteral nutrition solution; amino acid, 7% through 8. 5%, (500 ml = 1 unit)
- B4178 Parenteral nutrition solution: amino acid, greater than 8. 5% (500 ml = 1 unit)
- B4180 Parenteral nutrition solution; carbohydrates (dextrose), greater than 50% (500 ml=1 unit) - homemix
- B4185 Parenteral nutrition solution, per 10 grams lipids
- B4189 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 10 to 51 grams of protein - premix
- B4193 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any strength, 52 to 73 grams of protein - premix
- B4197 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements and vitamins, including preparation, any strength, 74 to 100 grams of protein - premix

- B4199 Parenteral nutrition solution; compounded amino acid and carbohydrates with electrolytes, trace elements and vitamins, including preparation, any strength, over 100 grams of protein - premix
- B4216 Parenteral nutrition; additives (vitamins, trace elements, heparin, electrolytes) homemix 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, nephramine, 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 Parenteral nutrition solution: compounded amino acid and carbohydrates with electrolytes, trace elements, and vitamins, including preparation, any

Pumps:

The following codes are covered for BlueCHiP for Medicare and Commercial products:

- B9000 Enteral nutrition infusion pump - without alarm
- B9002 Enteral nutrition infusion pump - with alarm
- B9004 Parenteral nutrition infusion pump, portable
- B9006 Parenteral nutrition infusion pump, stationary

RELATED POLICIES

Oral Enteral Nutrition Mandate
Coding and Payment Guideline

PUBLISHED

Provider Update, August 2015
Provider Update, September 2013
Provider Update, February 2009
Policy Update, March 2008

REFERENCES

1. <https://www.bcbsri.com/sites/default/files/policies/Oral%20Nutrition%20Mandate.pdf>
2. <http://www.cms.gov/medicare-coverage-database/details/ncd-details.aspx?NCDID=242&ncdver=1&SearchType=Advanced&CoverageSelection=Both&NCSelection=NC A%257CCAL%257CNCD%257CME>
3. <http://www.medicarenhic.com/viewdoc.aspx?id=1635>

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