Non-Invasive Negative Pressure Ventilation

Description

Noninvasive ventilation refers to the delivery of ventilatory support without endotracheal intubation or tracheostomy. Traditionally, noninvasive ventilation has been given with the use of devices that apply intermittent negative extrathoracic pressure (noninvasive negative pressure ventilation) and are used for individuals with stable or slowly progressive respiratory failure due to neuromuscular diseases, chest wall deformity, or central hypoventilation syndromes.

Policy

Non-invasive negative pressure ventilation is considered reasonable and necessary for Members that meet coverage criteria outlined below.

Policy Guidelines

Coverage Criteria:

1. Must be ordered by the Member’s treating physician.
2. Negative pressure ventilation will be covered for Member’s whose medical record shows documentation of one the following:
   A. A confirmed diagnosis of one of the following conditions:
      i. Slowly progressive neuromuscular diseases (e.g., muscular dystrophies, poliomyelitis, multiple sclerosis, spinal cord diseases, diaphragmatic paralysis, etc.), or
      ii. Chest wall deformity (e.g., post-thoracoplasty for TB, etc.), or
      iii. Central hypoventilation (i.e., apnea not due to airway obstruction);
   B. Chronic stable or slowly progressive respiratory failure that meets at least one of the following:
      i. Significant CO2 retention (PaCO2 greater than 50 mm Hg); or
ii. Mild CO₂ retention (PaCO₂ greater than 45 mm Hg) with any of the following symptoms:

1. Morning headache, or
2. Daytime hypersomnolence, or
3. Cognitive dysfunction, or
4. Documented nocturnal hypoventilation or oxygen desaturation (with oxyhemoglobin saturation less than 88% for at least 5 minutes).

A second invasive or non-invasive ventilator may be considered reasonable and necessary if it is required to serve a different purpose as determined by the member’s medical needs. Examples (not all-inclusive) of situations in which multiple ventilators may be considered reasonable and necessary are:

1. An individual requires one type of ventilator (e.g., a negative pressure ventilator with a chest shell) for part of the day and needs a different type of ventilator (e.g., positive pressure ventilator with a nasal mask) during the rest of the day.

2. An individual who is confined to a wheelchair requires a ventilator mounted on the wheelchair for use during the day and needs another ventilator of the same type for use while in bed. Without both pieces of equipment, the individual may be prone to certain medical complications, may not be able to achieve certain appropriate medical outcomes, or may not be able to use the medical equipment effectively.

Limitations:

1. Repair of a device is limited to restoration of a serviceable condition which is not the result from misuse, non-intentional or intentional.

2. The replacement of a device is covered if any of the following criteria is met:
   A. When necessitated by irreparable damage not due to misuse, intentional or non-intentional.
   B. An irreparable change in the condition of, or in a part, of the device.
   C. The cost of repairs to the device would exceed the purchase price.
**HCPCS Level II Codes and Description**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>E0457</td>
<td>Chest shell (Cuirass)</td>
</tr>
<tr>
<td>E0459</td>
<td>Chest wrap</td>
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<tr>
<td>E0460</td>
<td>Negative pressure ventilator; portable or stationary</td>
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**COVERED ICD-10 CODES IF SELECTION CRITERIA ARE MET:**

<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>J96.10 – J96.12</td>
<td>Chronic respiratory failure</td>
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**NONCOVERED ICD-10 CODES IF SELECTION CRITERIA ARE MET:**

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<th>Code</th>
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<tr>
<td>J96.00 – J96.02</td>
<td>Acute respiratory failure (acute hypoxemic respiratory failure)</td>
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**Important Note:**

Northwood’s Medical Policies are developed to assist Northwood in administering plan benefits and determining whether a particular DMEPOS product or service is reasonable and necessary. Equipment that is used primarily and customarily for a non-medical purpose is not considered durable medical equipment.

Coverage determinations are made on a case-by-case basis and are subject to all of the terms, conditions, limitations, and exclusions of the member’s contract including medical necessity requirements.

The conclusion that a DMEPOS product or service is reasonable and necessary does not constitute coverage. The member’s contract defines which DMEPOS product or service is covered, excluded or limited. The policies provide for clearly written, reasonable and current criteria that have been approved by Northwood’s Medical Director.

The clinical criteria and medical policies provide guidelines for determining the medical necessity for specific DMEPOS products or services. In all cases, final benefit determinations are based on the applicable contract language. To the extent there are any conflicts between medical policy guidelines and applicable contract language, the contract language prevails. Medical policy is not intended to override the policy that defines the member’s benefits, nor is it intended to dictate to providers how to direct care. Northwood Medical policies shall not be interpreted to limit the benefits afforded to Medicare or Medicaid members by law and regulation and Northwood will use the applicable state requirements to determine required quantity limit guidelines.
Northwood’s policies do not constitute medical advice. Northwood does not provide or recommend treatment to members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

References


Applicable URAC Standard

<table>
<thead>
<tr>
<th>Core 8</th>
<th>Staff operational tools and support</th>
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<table>
<thead>
<tr>
<th>Revision Number</th>
<th>Date</th>
<th>Description of Change</th>
<th>Prepared/Reviewed by</th>
<th>Approved by</th>
<th>Review Date</th>
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<tr>
<td>A</td>
<td>Nov.2006</td>
<td>Initial Release</td>
<td>Rosanne Brugnoni</td>
<td>Ken Fasse</td>
<td>n/a</td>
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<tr>
<td>01</td>
<td>02-18-11</td>
<td>Policy updated to reflect current practice.</td>
<td>Susan Glomb</td>
<td>Ken Fasse</td>
<td>Dec.2010</td>
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<td>02</td>
<td>07-20-11</td>
<td>Added Important Note to all Medical Policies</td>
<td>Susan Glomb</td>
<td>Dr. B. Almasri</td>
<td>Dec. 2011</td>
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<td>03</td>
<td>12-07-11</td>
<td>Annual Review, Added References to Policy</td>
<td>Susan Glomb</td>
<td>Dr. B. Almasri</td>
<td>Dec.2011</td>
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<td>04</td>
<td>04-04-12</td>
<td>Added reference to NH Medicaid</td>
<td>Susan Glomb</td>
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<td>05</td>
<td>11-30-12</td>
<td>Annual review – no changes.</td>
<td>Susan Glomb</td>
<td>Dr. B. Almasri</td>
<td>Nov. 2012</td>
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<td>08</td>
<td>12-04-15</td>
<td>Annual Review. Updated to ICD-10 codes.</td>
<td>Lisa Wojno</td>
<td>Dr. B. Almasri</td>
<td>December 2015</td>
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Change/Authorization History