Medical Policy
Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea

Document Number: 051

<table>
<thead>
<tr>
<th>Authorization required</th>
<th>Commercial and Qualified Health Plans</th>
<th>MassHealth</th>
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<td>No Prior Authorization</td>
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Overview
The purpose of this document is to describe the guidelines AllWays Health Partners utilizes to determine medical necessity for implantation of an FDA approved hypoglossal nerve stimulation (HGNS) device, for obstructive sleep apnea (OSA).

Coverage Guidelines
AllWays Health Partners covers implantation of an FDA approved hypoglossal nerve stimulator device for obstructive sleep apnea in members when ALL the following are met:

- The member is 22 years of age or older with a diagnosis of obstructive sleep apnea; and
- The member’s apnea hypopnea index (AHI) is greater than or equal to 15 with predominantly obstructive events (defined as central and mixed apneas less than 25% of the total AHI); and
- There is absence of complete concentric collapse at the soft palate level as seen on a drug-induced sleep endoscopy procedure; and
- The member’s body mass index (BMI) is less than 32 kg/m²; and
- There is documentation by a Board-Certified Sleep Medicine Specialist of continuous positive airway pressure (CPAP) trial and failure or intolerance (defined as use less than 4 hours per night, five nights per week).

Exclusions
- When the member does not meet the coverage criteria;
- The device is not an FDA-approved hypoglossal nerve stimulation system

Definitions
Hypoglossal nerve stimulation (HGNS): HGNS, also known as upper airway stimulation, is a treatment that works by stimulating the hypoglossal nerve to restore tone to (or stiffen) the key tongue muscles that when relaxed, can block the airway causing obstruction that reduces or stops breathing during the night. The implantable pulse generator (and battery) is implanted into the chest, the respiratory sensor is implanted in the ribcage, and the stimulation cuff is implanted in the neck around the hypoglossal nerve. The sensing lead and stimulation lead wires are then tunneled to the chest incision and connected to the implantable pulse generator. The fully implanted system is then controlled with the use of a remote.

Obstructive Sleep Apnea: OSA is characterized by recurrent, functional collapse of the upper airway during sleep, causing substantially reduced or complete cessation of airflow despite ongoing respiratory effort. This leads to episodic hypoxemia and fragmented sleep due to arousals. When untreated, these
result in short term quality of life impairment, such as excessive daytime sleepiness, and increased long term cardiovascular and neurocognitive morbidity and mortality.

### CPT/HCPC Codes

<table>
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<tr>
<th>Authorized Codes</th>
<th>Code Description</th>
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<tr>
<td>64568</td>
<td>Incision for implantation of cranial nerve (eg, vagus nerve) neurostimulator</td>
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<td>electrode array and pulse generator</td>
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<td>0466T</td>
<td>Insertion of chest wall respiratory sensor electrode or electrode array, including</td>
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<td>connection to pulse generator</td>
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<td>0467T</td>
<td>Revision or replacement of chest wall respiratory sensor electrode or electrode</td>
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<td>array, including connection to existing pulse generator</td>
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<td>0468T</td>
<td>Removal of chest wall respiratory sensor electrode or electrode array</td>
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**Effective**

July 2020: Annual update. References updated.

January 2020: Effective Date

**References**


