VAGUS NERVE STIMULATION (VNS) (NCD 160.18)

Guideline Number: MPG342.08  Approval Date: April 8, 2020

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Related Medicare Advantage Policy Guidelines

- Deep Brain Stimulation for Essential Tremor and Parkinson’s Disease (NCD 160.24)
- Hypoglossal Nerve Stimulation for the Treatment Of Obstructive Sleep Apnea

Related Medicare Advantage Coverage Summaries

- Mental Health Services and Procedures
- Neurologic Services and Procedures

POLICY SUMMARY

Overview

Vagus Nerve Stimulation (VNS) is a pulse generator, similar to a pacemaker, that is surgically implanted under the skin of the left chest and an electrical lead (wire) is connected from the generator to the left vagus nerve. Electrical signals are sent from the battery - powered generator to the vagus nerve via the lead. These signals are in turn sent to the brain.

VNS provides indirect modulation of brain activity through the stimulation of the vagus nerve. The vagus nerve, the tenth cranial nerve, has parasympathetic outflow that regulates the autonomic (involuntary) functions of heart rate and gastric acid secretion, and also includes the primary functions of sensation from the pharynx, muscles of the vocal cords, and swallowing. It is a nerve that carries both sensory and motor information to/from the brain.

Guidelines

Nationally Covered Indications

VNS treatment is reasonable and necessary for patients with medically refractory partial onset seizures for whom surgery is not recommended or for whom surgery has failed.

On February 15, 2019, the Centers for Medicare & Medicaid Services (CMS) issued a National Coverage Determination (NCD) that covers FDA approved vagus nerve stimulation (VNS) devices for treatment resistant depression (TRD) through Coverage with Evidence Development (CED) when offered in a CMS - approved, double - blind, randomized, placebo - controlled trial with a follow - up duration of at least one year with the possibility of extending the study to a prospective longitudinal study when the CMS - approved, double - blind, randomized placebo - controlled trial has completed enrollment, and there are positive interim findings. To access the approval of CMS Coverage with Evidence Development for Vagus Nerve Stimulation (VNS), go to Clinical Study Approvals for VNS for TRD.

Nationally Non - Covered Indications

VNS is not reasonable and necessary for all other types of seizure disorders which are medically refractory and for whom surgery is not recommended or for whom surgery has failed. VNS is not reasonable and necessary for resistant depression, unless performed under a CMS-approved study through Coverage with Evidence Development (CED), as referenced above.

APPLICABLE CODES

The following list(s) of codes is provided for reference purposes only and may not be all inclusive. Listing of a code in this guideline does not imply that the service described by the code is a covered or non - covered health service. Benefit coverage for health services is determined by the member specific benefit plan document and applicable laws that may require coverage for a specific service. The inclusion of a code does not imply any right to reimbursement or guarantee claim payment. Other Policies and Guidelines may apply.
**Coding Clarification**: CMS, as part of the national coverage determination (NCD), may determine coverage of an item or service only in the context of a clinical study. The clinical trial identifier number is required for all items/services provided in relation to participation in a clinical trial, clinical study, or registry that may result from **coverage with evidence development (CED)**. Specifically, include the clinical trial identifier number if:
- The member is enrolled in an approved clinical trial; and,
- The claim is for the investigational item or service, and/or,
- The costs are related to the investigational item or service, and/or,
- The costs are related to routine care for the condition in the clinical trial.

[(See the related MLN Matters (Number SE1344).]

<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>61885</td>
<td>Insertion or replacement of cranial neurostimulator pulse generator or receiver, direct or inductive coupling; with connection to a single electrode array [See the Medicare Advantage Policy Guideline titled <strong>Deep Brain Stimulation for Essential Tremor and Parkinson’s Disease (NCD 160.24)</strong>]</td>
</tr>
<tr>
<td>61886</td>
<td>Insertion or replacement of cranial neurostimulator pulse generator or receiver, direct or inductive coupling; with connection to 2 or more electrode arrays [See the Medicare Advantage Policy Guideline titled <strong>Deep Brain Stimulation for Essential Tremor and Parkinson’s Disease (NCD 160.24)</strong>]</td>
</tr>
<tr>
<td>64568</td>
<td>Incision for implantation of cranial nerve (e.g., vagus nerve) neurostimulator electrode array and pulse generator [See the Medicare Advantage Policy Guideline titled <strong>Hypoglossal Nerve Stimulation for the Treatment Of Obstructive Sleep Apnea</strong>]</td>
</tr>
<tr>
<td>64569</td>
<td>Revision or replacement of cranial nerve (e.g., vagus nerve) neurostimulator electrode array, including connection to existing pulse generator</td>
</tr>
<tr>
<td>64570</td>
<td>Removal of cranial nerve (e.g., vagus nerve) neurostimulator electrode array and pulse generator</td>
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<tr>
<td>95974</td>
<td>Electronic analysis of implanted neurostimulator pulse generator system (e.g., rate, pulse amplitude, pulse duration, configuration of wave form, battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements); complex cranial nerve neurostimulator pulse generator/transmitter, with intraoperative or subsequent programming, with or without nerve interface testing, first hour (<strong>Deleted 12/31/2018 see 95976</strong>)</td>
</tr>
<tr>
<td>95975</td>
<td>Electronic analysis of implanted neurostimulator pulse generator system (e.g., rate, pulse amplitude, pulse duration, configuration of wave form, battery status, electrode selectability, output modulation, cycling, impedance and patient compliance measurements); complex cranial nerve neurostimulator pulse generator/transmitter, with intraoperative or subsequent programming, each additional 30 minutes after first hour (List separately in addition to code for primary procedure) (<strong>Deleted 12/31/2018 see 95977</strong>)</td>
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<tr>
<td>95976</td>
<td>Electronic analysis of implanted neurostimulator pulse generator/transmitter (e.g., contact group[s], interleaving, amplitude, pulse width, frequency [Hz], on/off cycling, burst, magnet mode, dose lockout, patient selectable parameters, responsive neurostimulation, detection algorithms, closed loop parameters, and passive parameters) by physician or other qualified health care professional; with simple cranial nerve neurostimulator pulse generator/transmitter programming by physician or other qualified health care professional (<strong>Effective 01/01/2019</strong>)</td>
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<tr>
<td>95977</td>
<td>Electronic analysis of implanted neurostimulator pulse generator/transmitter (e.g., contact group[s], interleaving, amplitude, pulse width, frequency [Hz], on/off cycling, burst, magnet mode, dose lockout, patient selectable parameters, responsive neurostimulation, detection algorithms, closed loop parameters, and passive parameters) by physician or other qualified health care professional; with complex cranial nerve neurostimulator pulse generator/transmitter programming by physician or other qualified health care professional (<strong>Effective 01/01/2019</strong>)</td>
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**Modifier** | **Description**
---|---
CED Only | Investigational clinical service provided in a clinical research study that is in an approved clinical research study

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_Vagus Nerve Stimulation (VNS) (NCD 160.18)_

UnitedHealthcare Medicare Advantage Policy Guideline

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Approved 04/08/2020
CONDITION CODE

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<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>CED Only</td>
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<tr>
<td>30</td>
<td>Qualifying clinical trial (Institutional claims)</td>
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ICD - 10 Diagnosis Code

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<tr>
<th>Diagnosis Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>Z00.6</td>
<td>Encounter for examination for normal comparison and control in clinical research program</td>
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QUESTIONS AND ANSWERS

Q: Have you verified the CPT/HCPCS code(s) on your claim may have limited coverage under CED (Coverage with Evidence Development) for vagus nerve stimulation for treatment resistant depression?

A:
- If no, clinical trial number, modifier Q0 and diagnosis code Z00.6 should not be submitted.
- If yes, the three requirements listed in the preceding bullet are required. Claims without the required information will be denied.

PURPOSE

The Medicare Advantage Policy Guideline documents are generally used to support UnitedHealthcare Medicare Advantage claims processing activities and facilitate providers’ submission of accurate claims for the specified services. The document can be used as a guide to help determine applicable:
- Medicare coding or billing requirements, and/or
- Medical necessity coverage guidelines; including documentation requirements.

UnitedHealthcare follows Medicare guidelines such as LCDs, NCDs, and other Medicare manuals for the purposes of determining coverage. It is expected providers retain or have access to appropriate documentation when requested to support coverage. Please utilize the links in the References section below to view the Medicare source materials used to develop this resource document. This document is not a replacement for the Medicare source materials that outline Medicare coverage requirements. Where there is a conflict between this document and Medicare source materials, the Medicare source materials will apply.

REFERENCES

CMS National Coverage Determinations (NCDs)
NCD 160.18 Vagus Nerve Stimulation
Reference NCDs: NCD 160.24 Deep Brain Stimulation for Essential Tremor and Parkinson’s Disease; NCD 160.7 Electrical Nerve Stimulators

CMS Benefit Policy Manual
Chapter 14; § 10 Coverage of Medical Devices
Chapter 15; § 260 Ambulatory Surgical Center Services

CMS Claims Processing Manuals
Chapter 12; § 90.3 Physicians’ Services Performed in Ambulatory Surgical Centers (ASC)
Chapter 14; § 10 General ASC Information
Chapter 20; § 110 General Billing Requirements - for DME, Prosthetics, Orthotic Devices, and Supplies
Chapter 32; § 50 Deep Brain Stimulation for Essential Tremor and Parkinson’s Disease, §69 Qualifying Clinical Trials, §200 Billing Requirements for Vagus Nerve Stimulation (VNS)

CMS Transmittals
Transmittal 2243, Change Request 11134, Dated February 1, 2019 (International Classification of Diseases, 10th Revision (ICD - 10) and Other Coding Revisions to National Coverage Determination (NCDs))
Transmittal 2955, Change Request 8401, Dated May 14, 2014 (Mandatory Reporting of an 8 - Digit Clinical Trial Number on Claims)

MLN Matters
Article MM8401, Mandatory Reporting of an 8 - Digit Clinical Trial Number on Claims
Article MM11134, International Classification of Diseases, 10th Revision (ICD - 10) and Other Coding Revisions to National Coverage Determinations (NCDs)
Article SE1344, Related Change Request 8401, Further Information on Mandatory Reporting of an 8 - Digit Clinical Trial Number on Claims
UnitedHealthcare Commercial Medical Policy

Vagus Nerve Stimulation

Others

ClinicalTrials.gov: A Prospective, Multi-center, Randomized Controlled Blinded Trial Demonstrating the Safety and Effectiveness of VNS Therapy® System as Adjunctive Therapy Versus a No Stimulation Control in Subjects With Treatment - Resistant Depression (RECOVER)

CMS Approved Clinical Trials for Vagus Nerve Stimulation (VNS) for Treatment Resistant Depression (TRD), CMS Website

CMS Coverage with Evidence Development

Decision Memo for Vagus Nerve Stimulation (VNS) for Treatment Resistant Depression (TRD) (CAG - 00313R2)

Guidance for the Public, Industry, and CMS Staff: Coverage with Evidence Development

Mandatory Reporting of National Clinical Trial (NCT) Identifier Numbers on Medicare Claims - Qs & As

Medicare Managed Care Manual, Chapter 4; § 10.7.3 Payment for Clinical Studies Approved Under Coverage with Evidence Development (CED)

National Coverage Determinations with Data Collection as a Condition of Coverage: Coverage with Evidence Development

GUIDELINE HISTORY/REVISION INFORMATION

Revisions to this summary document do not in any way modify the requirement that services be provided and documented in accordance with the Medicare guidelines in effect on the date of service in question.

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<tr>
<th>Date</th>
<th>Related Policies</th>
<th>Action/Description</th>
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<td><strong>Added reference link to the Medicare Advantage Policy Guideline titled</strong></td>
<td><strong>Action/Description</strong></td>
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<tr>
<td></td>
<td>Hypoglossal Nerve Stimulation for the Treatment Of Obstructive Sleep Apnea (new)**</td>
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<td><strong>Applicable Codes</strong></td>
<td><strong>Action/Description</strong></td>
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<tr>
<td></td>
<td><strong>Added reference link to the Medicare Advantage Policy Guideline titled</strong></td>
<td>Hypoglossal Nerve Stimulation for the Treatment Of Obstructive Sleep Apnea for</td>
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<tr>
<td></td>
<td><em>New</em></td>
<td>CPT code 64568</td>
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<td></td>
<td><strong>Supporting Information</strong></td>
<td><strong>Updated References</strong> section to reflect the most current information</td>
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<td></td>
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<td><strong>Archived previous policy version MPG342.07</strong></td>
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TERMS AND CONDITIONS

The Medicare Advantage Policy Guidelines are applicable to UnitedHealthcare Medicare Advantage Plans offered by UnitedHealthcare and its affiliates.

These Policy Guidelines are provided for informational purposes, and do not constitute medical advice. Treating physicians and healthcare providers are solely responsible for determining what care to provide to their patients. Members should always consult their physician before making any decisions about medical care.

Benefit coverage for health services is determined by the member specific benefit plan document* and applicable laws that may require coverage for a specific service. The member specific benefit plan document identifies which services are covered, which are excluded, and which are subject to limitations. In the event of a conflict, the member specific benefit plan document supersedes the Medicare Advantage Policy Guidelines.

Medicare Advantage Policy Guidelines are developed as needed, are regularly reviewed and updated, and are subject to change. They represent a portion of the resources used to support UnitedHealthcare coverage decision making. UnitedHealthcare may modify these Policy Guidelines at any time by publishing a new version of the policy on this website. Medicare source materials used to develop these guidelines include, but are not limited to, CMS National Coverage Determinations (NCDs), Local Coverage Determinations (LCDs), Medicare Benefit Policy Manual, Medicare Claims Processing Manual, Medicare Program Integrity Manual, Medicare Managed Care Manual, etc. The information presented in the Medicare Advantage Policy Guidelines is believed to be accurate and current as of the date of publication, and is provided on an "AS IS" basis. Where there is a conflict between this document and Medicare source materials, the Medicare source materials will apply.

You are responsible for submission of accurate claims. Medicare Advantage Policy Guidelines are intended to ensure that coverage decisions are made accurately based on the code or codes that correctly describe the health care services provided. UnitedHealthcare Medicare Advantage Policy Guidelines use Current Procedural Terminology (CPT®),
Centers for Medicare and Medicaid Services (CMS), or other coding guidelines. References to CPT® or other sources are for definitional purposes only and do not imply any right to reimbursement or guarantee claims payment.

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*For more information on a specific member’s benefit coverage, please call the customer service number on the back of the member ID card or refer to the Administrative Guide.*