Pharmacy Policy Bulletin

Title: Armadafinil/modafinil/Solriamfetol (Sunosi™)
Policy #: Rx.01.5

Application of pharmacy policy is determined by benefits and contracts. Benefits may vary based on product line, group, or contract. Some medications may be subject to precertification, age, quantity, or formulary restrictions (ie limits on non-preferred drugs). Individual member benefits must be verified.

This pharmacy policy document describes the status of pharmaceutical information and/or technology at the time the document was developed. Since that time, new information relating to drug efficacy, interactions, contraindications, dosage, administration routes, safety, or FDA approval may have changed. This Pharmacy Policy will be regularly updated as scientific and medical literature becomes available. This information may include new FDA-approved indications, withdrawals, or other FDA alerts. This type of information is relevant not only when considering whether this policy should be updated, but also when applying it to current requests for coverage.

Members are advised to use participating pharmacies in order to receive the highest level of benefits.

Intent:
The intent of this policy is to communicate the medical necessity criteria for armadafinil, modafinil, and solriamfetol (Sunosi™) as provided under the member's prescription drug benefit.

Description:
Obstructive sleep apnea (OSA) is characterized by recurrent, functional collapse during sleep of the velopharyngeal and/or oropharyngeal airway, causing substantially reduced or complete cessation of airflow despite ongoing breathing efforts. This leads to intermittent disturbances in gas exchange and fragmented sleep. Snoring and wake-time sleepiness are common complaints of OSA.

Narcolepsy is a disorder of sleep-wake control in which elements of sleep intrude into wakefulness and elements of wakefulness intrude into sleep. The result is the classic tetrad of chronic daytime sleepiness with varying amounts of cataplexy, hypnagogic hallucinations, and sleep paralysis. Patients with narcolepsy type 1 (narcolepsy with cataplexy) typically present with moderate to severe daytime sleepiness, transient facial weakness or falls triggered by joking or laughter (partial or complete cataplexy), or the inability to move for one or two minutes immediately after awakening or just before falling asleep. Patients with narcolepsy type 2 have excessive daytime sleepiness without cataplexy.

Shift work disorder is a form of circadian sleep-wake rhythm disorders characterized by difficulty with sleep or wakefulness at times that are imposed by shifts running counter to the light-dark cycle. As a result, patients accumulate sleep debt and have increased risk of accidents, errors and other adverse health outcomes.

Multiple sclerosis (MS) is an immune-mediated, inflammatory, neurodegenerative disease of the central nervous system. Fatigue is a characteristic finding in patients with MS. It is usually described as physical exhaustion that is unrelated to the amount of activity performed.

Armodafinil is the R-enantiomer of modafinil with the longer half-life. Its precise mechanism of action is unknown. Both armodafinil and modafinil have wake-promoting actions similar to sympathomimetic agents including amphetamine and methylphenidate, although their pharmacologic profile is not identical to that of the sympathomimetic amines.

Modafinil is a wakefulness-promoting agent. Modafinil promotes actions similar to the traditional central nervous system (CNS) stimulants amphetamine and methylphenidate, but has a pharmacologic profile different from that of sympathomimetic amines. Although the precise mechanism of action is unknown, modafinil promotes wakefulness by selectively increasing neuronal activation in discrete regions of the brain (e.g., anterior hypothalamus) that are believed to be involved in mediating normal wakefulness.

Armodafinil and modafinil are indicated to improve wakefulness in adult patients with excessive sleepiness associated with obstructive sleep apnea (OSA), narcolepsy, or shift work disorder (SWD). Modafinil has been shown to
be beneficial for the treatment of MS fatigue in clinical studies. Neither medication is a treatment for the underlying cause of obstruction in those with OSA.

Solriamfetol (Sunosi™) is indicated to improve wakefulness in adult patients with excessive daytime sleepiness associated with narcolepsy and obstructive sleep apnea (OSA). The mechanism of action of solriamfetol is unclear but it could be attributed to its activity as a dopamine and norepinephrine reuptake inhibitor (DNRI).

**Policy:**

Generic armodafinil or modafinil is approved when ONE the following is met:

A. Diagnosis of narcolepsy and both of the following:
   a. Recommended by a neurologist or sleep specialist; and
   b. Confirmed by one of the following tests:
      i. Polysomnography (PSG); or
      ii. Multiple sleep latency test (MSLT)

OR

B. Diagnosis of obstructive sleep apnea/hypopnea syndrome (OSAHS) by a sleep specialist and used as adjunct to standard therapy; OR

C. Diagnosis of Shift Work Sleep Disorder (SWSD) with documentation of ALL of the following
   a. Documentation of one of the following:
      i. Recommendation of armodafinil or modafinil by a neurologist or sleep specialist; or
      ii. Polysomnography and the multiple sleep latency test (MSLT) demonstrate loss of a normal sleep-wake pattern

   AND

   b. Symptoms cannot be attributed to a medical condition; and
   c. The symptoms do not meet criteria for any other sleep disorder producing insomnia or excessive sleepiness (e.g., time-zone change [jet lag] syndrome)

Modafinil is approved when ALL of the following is met:

A. Diagnosis of Multiple Sclerosis (MS) related fatigue; and
B. Prescribed by or in consultation with a neurologist; and
C. Used in combination with standard educational therapies (e.g. psychoeducation, behavioral programs, scheduled naps, additional non-pharmacological therapies, etc.)

Solriamfetol (Sunosi) is approved when ONE the following is met:

A. Diagnosis of narcolepsy and ALL of the following:

   1. Recommended by a neurologist or sleep specialist; and

   2. Confirmed by one of the following tests:

      a. Polysomnography (PSG); or

      b. Multiple sleep latency test (MSLT); and

   3. Inadequate response or inability to tolerate modafinil or armodafinil

OR
B. Both of the following:

1. Diagnosis of obstructive sleep apnea/hypopnea syndrome (OSAHS) by a sleep specialist and used as adjunct to standard therapy; and

2. Inadequate response or inability to tolerate modafinil or armodafinil

**Black Box Warning as shown in the drug Prescribing Information:**
N/A

**Guidelines:**
Refer to the specific manufacturer's prescribing information for administration and dosage details and any applicable Black Box warnings.

**BENEFIT APPLICATION**

Subject to the terms and conditions of the applicable benefit contract, the applicable drug(s) identified in this policy is (are) covered under the prescription drug benefits of the Company's products when the medical necessity criteria listed in this pharmacy policy are met. Any services that are experimental/investigational or cosmetic are benefit contract exclusions for all products of the Company.

**References:**


Applicable Drugs:

Inclusion of a drug in this table does not imply coverage. Eligibility, benefits, limitations, exclusions, precertification/referral requirements, provider contracts, and Company policies apply.

<table>
<thead>
<tr>
<th>Generic Name</th>
<th>Brand Name</th>
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<tbody>
<tr>
<td>Armodafinil</td>
<td>Nuvigil®</td>
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<tr>
<td>Modafinil</td>
<td>Provigil®</td>
</tr>
<tr>
<td>Solriamfetol</td>
<td>Sunosi™</td>
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Cross References:
Rx.01.33 Off-Label Use

Policy Version Number: 14.00
P&T Approval Date: October 10, 2019
Policy Effective Date: January 1, 2020
Next Required Review Date: July 11, 2020

The Policy Bulletins on this web site were developed to assist the Company in administering the provisions of the respective benefit programs, and do not constitute a contract. If you have coverage through the Company, please refer to your specific benefit program for the terms, conditions, limitations and exclusions of your coverage. Company does not provide health care services, medical advice or treatment, or guarantee the outcome or results of any medical services/treatments. The facility and professional providers are responsible for providing medical advice and treatment. Facility and professional providers are independent contractors and are not employees or agents of the Company. If you have a specific medical condition, please consult with your doctor. The Company reserves the right at any time to change or update its Policy Bulletins.