

**Modafinil (Provigil®)  
 Armodafinil (Nuvigil®)  
 Effective 06/01/2021**

<b>Plan</b>	<input type="checkbox"/> MassHealth UPPL <input checked="" type="checkbox"/> Commercial/Exchange	<b>Program Type</b>	<input checked="" type="checkbox"/> Prior Authorization <input type="checkbox"/> Quantity Limit <input type="checkbox"/> Step Therapy
<b>Benefit</b>	<input checked="" type="checkbox"/> Pharmacy Benefit <input type="checkbox"/> Medical Benefit (NLX)		
<b>Specialty Limitations</b>	N/A		
<b>Contact Information</b>	<b>Specialty Medications</b>		
	All Plans	Phone: 866-814-5506	Fax: 866-249-6155
	<b>Non-Specialty Medications</b>		
	MassHealth	Phone: 877-433-7643	Fax: 866-255-7569
	Commercial	Phone: 800-294-5979	Fax: 888-836-0730
	Exchange	Phone: 855-582-2022	Fax: 855-245-2134
	<b>Medical Specialty Medications (NLX)</b>		
	All Plans	Phone: 844-345-2803	Fax: 844-851-0882
<b>Exceptions</b>	N/A		

### Overview

Modafinil is a central nervous system stimulant that has been shown to significantly increase dopamine in the brain by blocking dopamine transporters. Studies have shown modafinil increases high-frequency alpha waves while decreasing both delta and theta wave activity, effects consistent with generalized increases in mental alertness.

Armodafinil is the R-enantiomer of modafinil. Armodafinil binds to the dopamine transporter and inhibits dopamine reuptake, which may result in increased extracellular dopamine levels in the brain. However, it does not appear to be a dopamine receptor agonist and does not appear to bind to or inhibit the most common receptors or enzymes that are relevant for sleep/wake regulation.

### Coverage Guidelines

Authorization may be granted for members new to the plan who are currently receiving treatment with modafinil or armodafinil, excluding when the product is obtained as samples or via manufacturer's patient assistance programs.

**Or**

Approval may be granted when the following drug specific criteria are met for excessive daytime sleepiness (EDS) associated with the following conditions:

### Modafinil

Member has ONE of the following diagnoses:

1. Narcolepsy

2. Excessive sleepiness associated with obstructive sleep apnea or hypopnea syndrome that has been confirmed by a sleep study AND is currently using CPAP
3. Attention deficit disorder (ADD) or Attention deficient hyperactivity disorder (ADHD)
4. Fatigue associated with Multiple Sclerosis (MS)
5. Fatigue associated with chemotherapy
6. Excessive sleepiness associated with Parkinson’s disease
7. Shift work sleep disorder and ALL of the following:
  - a. Patient is  $\geq 17$  years of age
  - b. Patient has had an inadequate response, adverse reaction, or contraindication to one hypnotic agent **and** melatonin

**Armodafinil**

Member has ONE of the following diagnoses:

1. Narcolepsy
2. Excessive sleepiness associated with obstructive sleep apnea or hypopnea syndrome that has been confirmed by a sleep study AND is currently using CPAP.
3. Shift work sleep disorder and ALL of the following:
  - a. Member is  $\geq 17$  years of age
  - b. Member has had an inadequate response, adverse reaction, or contraindication to one hypnotic agent **AND** melatonin

**Continuation of Therapy**

Reauthorization requires physician documentation of improvement of member’s condition.

**Limitations**

1. Approvals will be granted for the following:
  - a. Fatigue associated with chemotherapy – 12 months
  - b. Excessive sleepiness associated with Parkinson’s disease – 12 months
  - c. All other indications – 36 months
2. The following diagnoses are excluded from coverage:
  - a. Fatigue or sleepiness associated with traumatic brain injuries
  - b. Idiopathic hypersomnolence
  - c. Fatigue or sleepiness associated with use of narcotic analgesics
  - d. Cerebral palsy (spastic)
  - e. Adjunctive treatment of depression
3. The following quantity limits apply:

modafinil 100mg and 200mg	30 tablets per 30 days
armodafinil 50mg	60 tablets per 30 days
armodafinil 150mg, 200mg and 250mg	30 tablets per 30 days

**References**

1. Provigil (modafinil) [prescribing information]. North Wales, PA: Teva Pharmaceuticals USA, Inc; November 2018.
2. Nuvigil (armodafinil) [prescribing information]. North Wales, PA: Teva Pharmaceuticals USA, Inc.; November 2018.
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15. Tarsy D. Management of comorbid problems associated with Parkinson disease. In: Basow DS (Ed). UpToDate. Waltham (MA): UpToDate; 2015. Available at: <http://www.uptodate.com/index.do>.
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## Review History

06/27/2005 - Reviewed and Revised

04/24/2006 - Reviewed

04/23/2007 - Reviewed

04/28/2008 - Reviewed and Revised

04/27/2009 - Reviewed and Revised

04/26/2010 - Reviewed and Revised

07/15/2010 - Updated per MM/plan direction (stimulant trial for OSA/narcolepsy)

12/15/2010 - Updated (disclaimer)

04/25/2011 - Reviewed

05/17/2011 - Updated (generic Concerta)

04/11/2012 - Updated (modafinil generic; BART request ahead of drug file); removed long-acting stimulant trial

04/23/2012 - Reviewed and Revised (modafinil trial for Nuvigil)

04/22/2013 - Reviewed and Revised

04/28/2014 - Reviewed

06/26/2017 - Reviewed and Revised

04/17/2019 – Reviewed

05/20/2020 – Reviewed and Updated May P&T Mtg; overview written, updated references; added indication of shift work sleep disorder. Effective 8/1/20.

03/17/2021 – Reviewed and Updated; Updated QL to current commercially available products. Removed Armodafinil 100mg (not available) and added armodafinil 250mg QL. Effective 06/01/2021.



09/21/2022 – Reviewed and Updated Sept P&T; Administrative update to reword diagnoses section for modafinil and armodafinil. No Clinical Changes. Separated out Comm/Exch vs MH policies.

