

# Clinical Policy: Multiple Sleep Latency Testing

Reference Number: CP.MP.24 Date of Last Revision: 04/23 Coding Implications Revision Log

# See <u>Important Reminder</u> at the end of this policy for important regulatory and legal information.

### Description

Multiple Sleep Latency Testing (MSLT) objectively measures an individual's tendency to fall asleep and is a component of the routine evaluation for suspected narcolepsy or idiopathic hypersomnia. The MSLT is considered the standard measurement of sleepiness and has proven to be a sensitive and reproducible test for quantifying sleepiness; however, it is not a part of the routine evaluation for other sleep disorders. A polysomnogram (PSG) should be conducted on the night prior to the MSLT and should not demonstrate significant sleep pathology (e.g., obstructive sleep apnea, central sleep apnea, etc.) to ensure the most valid MSLT results.<sup>1</sup>

# **Policy/Criteria**

- I. It is the policy of health plans affiliated with Centene Corporation<sup>®</sup> that MSLT is **medically necessary** for ages two years and above, when all of the following criteria are met:
  - A. Excessive daytime sleepiness (EDS) for  $\geq$  eight weeks, as measured by a score of  $\geq$  10 on the Epworth Sleepiness Scale;
  - B. If age is < 11 years, all of the following:
    - 1. Has had a consultation with a pediatric neurologist, pediatric pulmonologist, or pediatric sleep medicine specialist, and the MSLT has been ordered by the consulting physician;
    - 2. The MSLT will be conducted in a facility specializing in pediatric sleep disturbances with pediatric consultants available;
  - C. A standard PSG is planned for the night before the MSLT;
  - D. Suspected idiopathic hypersomnia; or suspected narcolepsy and any of the following;
    - 1. Cataplexy (brief, sudden loss of muscle tone);
    - 2. Hypnagogic and/or hypnopompic hallucinations;
    - 3. Sleep paralysis;
  - E. Medical conditions considered and treated, if indicated;
  - F. Medications deemed noncontributory;
  - G. No psychiatric disorder by history, or psychiatric disorder is under the care of a psychiatrist or psychologist;
  - H. Drug and alcohol misuse excluded.
- **II.** It is the policy of health plans affiliated with Centene Corporation that repeat MSLT is **medically necessary** for ages two years and above when meeting criteria in section I. and at least one of the following:
  - A. The initial test findings are invalid or uninterpretable;
  - B. The initial test is affected by extraneous circumstances, or appropriate study conditions were not present during initial testing;
  - C. The member/enrollee is suspected to have narcolepsy, but previous MSLT evaluation did not provide polygraphic confirmation.



#### Background

The multiple sleep latency test (MSLT) consists of four or five 20-minute nap opportunities at two-hour intervals throughout the day, while recording an electroencephalography (EEG) and other parameters comparable to a polysomnography (PSG). The test is based on the belief that the speed with which one falls asleep is an indication of the severity of sleepiness and is conducted on the day following an overnight PSG.<sup>5,10,11</sup> The MSLT is indicated as part of the evaluation of patients with suspected narcolepsy and may be useful in the evaluation of patients with suspected idiopathic hypersomnia.<sup>1,8,13</sup>

During the MSLT, a sleep latency time of less than five minutes is distinctly abnormal and supports a diagnosis of narcolepsy or severe sleep deprivation. The International Classification of Sleep Disorders, 3rd edition (ICSD-3), requires a mean sleep latency of less than eight minutes and two or more sleep onset REM periods as part of the diagnostic criteria for narcolepsy. Prepubertal children tend to have a somewhat longer sleep latency on the MSLT compared with adults, such that values of eight to 15 minutes (rather than less than eight minutes) on the MSLT may suggest pathologic sleepiness.<sup>1,10,11</sup>

Narcolepsy has been reported in children as young as two years; however, the peak onset is 15 years, with a less pronounced peak at 36 years. The classic pentad of narcolepsy consists of excessive daytime sleepiness (EDS), cataplexy, hypnagogic and/or hypnopompic hallucinations, disrupted nocturnal sleep, and sleep paralysis. Children rarely manifest all five classic symptoms; restlessness and over-activity may be more common than EDS. Academic deterioration, inattentiveness, and emotional lability are common. Serial MSLTs may be required for diagnosis, and multiple confounding factors may be involved.<sup>2</sup>

Diagnosing narcolepsy in children presents several challenges. Clinical manifestations of sleep problems can vary by age and developmental level with further variations within pediatric age groups. There are consistent data showing the diagnostic utility of MSLT in school-aged children as young as five years with suspected narcolepsy.<sup>1,14</sup> Studies show MSLT is a highly sensitive test in this population, with sensitivity for diagnosing narcolepsy ranging from 79% to 100%.<sup>1,13</sup>

The same standard criteria used for adults are used for MSLT in children and studies are scored similarly, using the same normative data. However, special issues exist regarding performance, interpretation, and operating characteristics of MSLT in children. Studies demonstrated that developmentally normal, prepubertal, school-aged children seldom become sleepy during the standard 20-minute daytime nap timeframe; yet adolescents often can fall asleep on MSLT.<sup>13</sup> As a result, some studies extended the nap timeframe from the usual 20 minutes to 30 minutes. As young children have a long sleep latency, research is needed to determine whether nap opportunities longer than the standard 20 minutes would better evaluate sleepiness in prepubertal children.<sup>13</sup> A repeat MSLT may be indicated if the initial test was affected by inappropriate study conditions, the results are unclear or uninterpretable, or the test failed to confirm a diagnosis of narcolepsy despite strong clinical suspicion.<sup>5</sup> Children with suspected narcolepsy must be evaluated by a pediatric neurologist, pulmonologist, or sleep medicine specialist.<sup>2</sup>



#### **Coding Implications**

This clinical policy references Current Procedural Terminology (CPT<sup>®</sup>). CPT<sup>®</sup> is a registered trademark of the American Medical Association. All CPT codes and descriptions are copyrighted 2022, American Medical Association. All rights reserved. CPT codes and CPT descriptions are from the current manuals and those included herein are not intended to be all-inclusive and are included for informational purposes only. Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

CPT <sup>®</sup> Codes	Description
95805	Multiple sleep latency or maintenance of wakefulness testing, recording, analysis and interpretation of physiological measurements of sleep during multiple trials to assess sleepiness.

Reviews, Revisions, and Approvals	Revision Date	Approval Date
Policy approved		10/08
References reviewed and updated.		04/18
Minor wording changes for clarity.		
References reviewed and updated		04/19
Deleted codes 95810 and 95811 as they are informational only (for		
PSG)		
References reviewed and updated. Specialist review.		04/20
Replaced all instances of "member" with "member/enrollee."		04/21
References reviewed and updated.		
Annual review. Added criteria for repeat MSLT in section II. Updated		04/22
additional background information with no further impact to criteria.		
References reviewed and updated. Changed "review date" in the header		
to "date of last revision" and "date" in the revision log header to		
"revision date." Specialist reviewed.		
Annual review completed. Minor rewording with no clinical		04/23
significance. ICD-10-code table removed. References reviewed and		
updated.		

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# **Important Reminder**



This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. "Health Plan" means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan's affiliates, as applicable.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable Health Plan-level administrative policies and procedures.

This clinical policy is effective as of the date determined by the Health Plan. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. The Health Plan retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care and are solely responsible for the medical advice and treatment of members/enrollees. This clinical policy is not intended to recommend treatment for members/enrollees. Members/enrollees should consult with their treating physician in connection with diagnosis and treatment decisions.

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**Note: For Medicaid members/enrollees**, when state Medicaid coverage provisions conflict with the coverage provisions in this clinical policy, state Medicaid coverage provisions take precedence. Please refer to the state Medicaid manual for any coverage provisions pertaining to this clinical policy.

**Note: For Medicare members/enrollees,** to ensure consistency with the Medicare National Coverage Determinations (NCD) and Local Coverage Determinations (LCD), all applicable NCDs, LCDs, and Medicare Coverage Articles should be reviewed <u>prior to</u> applying the criteria set forth in this clinical policy. Refer to the CMS website at <u>http://www.cms.gov</u> for additional information.

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