Outcome Measure #1: Reduce excessive daytime sleepiness

Measure Description	
Description	Number of patients diagnosed with narcolepsy who received an evidence-based pharmacologic treatment that showed improvement in their subjective sleepiness

Measure Components	
Denominator Statement	All patients diagnosed with narcolepsy who received an evidence-based pharmacologic treatment and completed a validated sleepiness instrument at baseline and subsequent visits Definition: For the purposes of this measure, validated sleepiness instruments include, but are not limited to: Epworth Sleepiness Scale, Epworth Sleepiness Scale modified, Stanford Sleepiness Scale, Karolinska Sleepiness Scale, Cleveland Adolescent Sleepiness Questionnaire, Pediatric Daytime Sleepiness Scale, or a Visual Analog Scale
Exceptions	 Medical reasons: Patients on escalating sedating medication regimen administered for comorbid conditions (e.g., opioids for pain, barbiturates for seizures); patients with documented contraindications to recommended evidence-based pharmacologic treatment Patient reasons: Patient and/or caregiver declines or is unable to complete sleepiness instrument; Patient and/or caregiver declines prescribed treatment System reasons: None
Numerator Statement	Number of patients who showed improvement in their subjective sleepiness (assessed with a validated sleepiness instrument)

	 One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) Accompanied by One of the following patient encounter codes: 90832, 90792, 99202, 99203, 99204, 99205 (office/other outpatient services – new patient) 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient) 99241, 99242, 99243, 99244, 99245 (office consultations, non-Medicare only) Documentation that the patient was started on an evidence-based pharmacologic treatment <u>AND</u> that the patient completed a validated sleepiness instrument at baseline and subsequent visits Definition: For the purposes of this measure, evidence-based pharmacologic treatments may include, but are not limited to:
	 Modafinil
Denominator (Eligible Population)	• Pitolisant
	Sodium Oxybate
	• Solriamfetol
	• Armodafinil
	• Dextroamphetamine
	• Methylphenidate
	Note: For the purposes of this measure, evidence-based pharmacologic treatment may also include medications that have been FDA approved for the treatment of narcolepsy since the most recent AASM clinical practice guideline publication.
	Definition: For the purposes of this measure, validated sleepiness instruments may include, but are not limited to: Epworth Sleepiness Scale, Epworth Sleepiness Scale modified, Stanford Sleepiness Scale, Karolinska Sleepiness Scale, Cleveland Adolescent Sleepiness Questionnaire, Pediatric Daytime Sleepiness Scale, or a Visual Analog Scale
	NOTE: Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 95, or POS 02 modifiers) are allowable

Exceptions	 At least one of the following is documented in the patient chart: Patient is on escalating sedating medication regimen administered for comorbid conditions (e.g., opioids for pain, barbiturates for seizures) Patient with documented contraindications to the recommended evidence-based pharmacologic treatment Patient and/or caregiver declines or is unable to complete sleepiness instrument Patient and/or caregiver declines prescribed treatment
Numerator	 Chart review indicates: Patient's subjective sleepiness has improved as compared to baseline measurement

Process Measure #1: Assessment of sleepiness

Measure Description	
Description	Number of patients diagnosed with narcolepsy whose sleepiness was assessed with a validated sleepiness instrument at every visit

Measure Components	
Denominator Statement	All patients diagnosed with narcolepsy
Exceptions	Medical Reasons: None Patient Reasons: Patient and/or caregiver declines or is unable to complete sleepiness instrument System Reasons: None
Numerator Statement	Number of patients whose sleepiness was assessed with a validated sleepiness instrument at every visit. Definition: For the purposes of this measure, validated sleepiness instruments may include, but are not limited to: Epworth Sleepiness Scale, Epworth Sleepiness Scale modified, Stanford Sleepiness Scale, Karolinska Sleepiness Scale, Cleveland Adolescent Sleepiness Questionnaire, Pediatric Daytime Sleepiness Scale, or a Visual Analog Scale

Technical Specifications: Administrative/Claims Data

Administrative claims data collection requires users to identify the eligible population (denominator) and numerator using codes recorded on claims or billing forms (electronic or paper). Users report a rate based on all patients in a given practice for whom data are available and who meet the eligible population/denominator criteria.	
Denominator (Eligible Population)	One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) Accompanied by One of the following patient encounter codes: 99202, 99203, 99204, 99205 (office/other outpatient services – new patient) 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient) NOTE: Patient encounters for this measure conducted via telehealth (e.g.,
Exceptions	 <i>encounters coded with GQ, GT, 95, or POS 02 modifiers) are allowable</i> At least one of the following is documented in the patient chart: Patient and/or caregiver declines or is unable to complete sleepiness instrument
Numerator	 Chart review indicates: Patient's sleepiness was measured using a validated sleepiness instrument. Measurement of sleepiness took place during every visit Definition: For the purposes of this measure, validated sleepiness instruments may include, but are not limited to: Epworth Sleepiness Scale, Epworth Sleepiness Scale modified, Stanford Sleepiness Scale, Karolinska Sleepiness Scale, Cleveland Adolescent Sleepiness Questionnaire, Pediatric Daytime Sleepiness Scale, or a Visual Analog Scale

Process Measure #2: Recommendation of an Evidence-Based Pharmacologic Treatment Plan following initial diagnosis

Measure Description	
Description	Number of patients with a new diagnosis of narcolepsy who were recommended an evidence-based pharmacologic treatment plan for symptoms within 1 month of new narcolepsy diagnosis.

Measure Components	
Denominator Statement	All patients newly diagnosed with narcolepsy
Exceptions	 Medical reasons: Patient is pregnant and/or breastfeeding; medical or psychiatric condition that precludes safe use of pharmacologic narcolepsy treatment Patient reasons: None System reasons: None

Numerator Statement	Number of patients who were recommended an evidence-based pharmacologic treatment plan within 1 month of new narcolepsy diagnosis. Definition: For the purposes of this measure, evidence-based pharmacologic treatments may include, but are not limited to: • Modafinil • Pitolisant • Sodium Oxybate • Solriamfetol • Armodafinil • Dextroamphetamine • Methylphenidate
	Note: Evidence-based pharmacologic treatment may also include medications that have been FDA approved for the treatment of narcolepsy since the most recent AASM clinical practice guideline publication.

Denominator (Eligible Population)	One of the following diagnosis codes indicating narcolepsy, assigned to the patient for the first time (new diagnosis): G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy)
	Accompanied by One of the following patient encounter codes: 99202, 99203, 99204, 99205 (office/other outpatient services – new patient)

	 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient) NOTE: Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 95, or POS 02 modifiers) are allowable
Exceptions	 At least one of the following is documented in the patient chart: Patient is pregnant and/or breastfeeding Medical or psychiatric condition that precludes safe use of pharmacologic narcolepsy treatment
Numerator	 Chart review indicates: Documentation of prescription for at least one evidence-based pharmacologic treatment which may include, but are not limited to the following: Modafinil Pitolisant Sodium Oxybate Solriamfetol Armodafinil Dextroamphetamine Methylphenidate Note: Evidence-based pharmacologic treatment may also include medications that have been FDA approved for the treatment of narcolepsy since the most recent AASM clinical practice guideline publication. Evidence-based pharmacologic treatment plan was recommended within one month of the patient receiving a new diagnosis of narcolepsy

Process Measure #3: Comprehensive sleep history and physical exam

Measure Description	
Description	Number of patients diagnosed with narcolepsy with documentation that a comprehensive sleep history and physical examination was completed at or before the time of diagnosis.

Measure Components	
Denominator Statement	All patients diagnosed with narcolepsy
Exceptions	Medical Reasons: None Patient Reasons: None System Reasons: None
Numerator Statement	 Number of patients with documentation that a comprehensive sleep history and physical examination was completed at the time of the diagnosis. Definition: For the purposes of this measure, a sleep history includes at minimum documentation of a thorough general physical and neurological examination, sleepwake patterns, cataplexy, signs and symptoms suggestive of sleep disordered breathing, current medications, and other potential co-morbidities which may contribute to excessive daytime sleepiness (e.g., history of traumatic brain injury or history of psychiatric conditions). <i>Note:</i> If documentation is not available from the initial diagnosis or if the original sleep history is insufficient/incomplete, a comprehensive history and exam would be required when transferring care to another physician.

Denominator (Eligible Population)	 One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) Accompanied by One of the following patient encounter codes: 99202, 99203, 99204, 99205 (office/other outpatient services – new patient) 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient)
Exceptions	None
Numerator	 Chart review indicates: Patient received a comprehensive sleep history and physical examination at or before time of diagnosis (first time diagnosis code was assigned). Definition: For the purposes of this measure, a sleep history includes at minimum documentation of a thorough general physical and neurological examination, sleepwake patterns, cataplexy, signs and symptoms suggestive of sleep disordered breathing, current medications, and other potential co-morbidities which may contribute to avagasing durtime cleanings (a.g., bittery of traumetic breat prime in injury or present the state of th
	 contribute to excessive daytime sleepiness (e.g., history of traumatic brain injury or history of psychiatric conditions). <i>Note:</i> If documentation is not available from the initial diagnosis or if the original sleep history is insufficient/incomplete, a comprehensive history and exam would be required when transferring care to another physician.

Process Measure #4: Objective sleep assessment

Measure Description	
Description	Number of patients newly diagnosed with narcolepsy who have undergone objective sleep testing at the time of initial diagnosis.

Measure Components	
Denominator Statement	All patients newly diagnosed with narcolepsy
Exceptions	Medical Reasons: None Patient Reasons: None System Reasons: None
Numerator Statement	Number of patients who have undergone objective sleep testing at the time of the initial diagnosis. Definition: For the purposes of this measure, sleep testing for Narcolepsy is defined as the performance of a polysomnogram (PSG) with multiple sleep latency test (MSLT) or CSF hypocretin, in accordance with the most recent ICSD recommendations.

Technical Specifications: Administrative/Claims Data

Denominator (Eligible Population)	One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) Accompanied by One of the following patient encounter codes: 99202, 99203, 99204, 99205 (office/other outpatient services – new patient) 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient) NOTE: Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 95, or POS 02 modifiers) are allowable
Exceptions	None
Numerator	 Chart review indicates the following testing was completed in order to diagnose the patient: Polysomnography coded as 95782 (< 6 years of age) or 95810 (≥ 6 years of age) Multiple sleep latency testing coded as 95805 CSF hypocretin-1 measurement coded as 83519 or evidence that CSF hypocretin-1 has been measured (e.g., office visit notes or lab results)

Measure Description	
Description	Number of patients newly diagnosed with narcolepsy and started on evidence-based pharmacologic treatment that received reassessment of symptoms and functionality within 4 months after treatment initiation and at least annually thereafter

Measure Components	
Denominator Statement	All patients newly diagnosed with narcolepsy who were started on an evidence-based pharmacologic treatment Definition: For the purposes of this measure, evidence-based pharmacologic treatments may include, but are not limited to: Modafinil Pitolisant Sodium Oxybate Solriamfetol Armodafinil Dextroamphetamine Methylphenidate Note: For the purposes of this measure, evidence-based pharmacologic treatment may also include medications that have been FDA approved for the treatment of narcolepsy since the most recent AASM clinical practice guideline publication.

Exceptions	 Medical Reasons: Patient is pregnant and/or breastfeeding; medical or psychiatric condition that precludes safe use of pharmacologic narcolepsy treatment Patient Reasons: Patient and/or caregiver declines treatment; patient does not return for follow-up and/or transitioned to a different provider; prohibitive cost affecting adherence System Reasons: Payer does not cover evidence-based treatment
Numerator Statement	Number of patients for whom reassessment* of symptoms and functionality is performed within 4 months after treatment initiation and at least annually thereafter. *Reassessment of symptoms can be done by direct interview with patient in the office, by phone, or by other HIPAA compliant electronic means. Reassessment may include, but is not limited to, evaluating the following suggested dimensions during follow-up: <i>Core/common symptoms of narcolepsy:</i> • Daytime sleepiness • Cataplexy • Sleep paralysis • Sleep disordered breathing • Hypnagogic/hypnopompic hallucinations • Disturbed sleep through the night • Nightmares • Automatic behaviors • Cognitive concerns (memory loss, low motivation, difficulties with concentration/attention) <i>Co-morbid Conditions with Narcolepsy</i> • Obesity • Depression/Anxiety • Obesity • Depression/Anxiety • Obstructive Sleep Apnea • Periodic Limb Movements of Sleep • REM Behavior Disorder • Precocious Puberty • Cardiovascular conditions <i>Conditions that require change in management</i> • Pregnancy • Breastfeeding • New medical diagnosis or medications that may cause drug-drug interactions • Side effects • Adherence issues <i>Functional Status</i>

 Injuries associated with narcolepsy and/or cataplexy Driving Safety Academic and work productivity Social functioning/social relationships General activity level
Definition: For the purposes of this measure, validated sleepiness instruments may include, but are not limited to: Epworth Sleepiness Scale, Epworth Sleepiness Scale modified, Stanford Sleepiness Scale, Karolinska Sleepiness Scale, Cleveland Adolescent Sleepiness Questionnaire, Pediatric Daytime Sleepiness Scale, or a Visual Analog Scale

On 992	ccompanied by ne of the following patient encounter codes: 202, 99203, 99204, 99205 (office/other outpatient services – new patient) 211, 99212, 99213, 99214, 99215 (office/other outpatient services – established
Do trea De	tient) ocumentation that the patient was started on an evidence-based pharmacologic eatment efinition: For the purposes of this measure, evidence-based pharmacologic
Denominator (Eligible Population)	 eatments may include, but are not limited to: Modafinil Pitolisant
	 Sodium Oxybate Solriamfetol Armodafinil
	DextroamphetamineMethylphenidate
als nar	bete: For the purposes of this measure, evidence-based pharmacologic treatment may so include medications that have been FDA approved for the treatment of rcolepsy since the most recent AASM clinical practice guideline publication.
	OTE: Patient encounters for this measure conducted via telehealth (e.g., counters coded with GQ, GT, 95, or POS 02 modifiers) are allowable

	At least one of the following is documented in the patient chart:
Exceptions	 Patient is pregnant and/or breastfeeding Medical or psychiatric condition that precludes safe use of pharmacologic narcolepsy treatment Patient and/or caregiver declines treatment
	 Patient does not return for follow-up and/or transitioned to a different provider
	Prohibitive cost affecting adherence
	Payer does not cover evidence-based treatment
	Chart review indicates:
	 Patient has a follow-up evaluation one of the following ways:
	• Patient has follow-up visit with the treating physician (visit coded as 99211, 99212, 99213, 99214 or 99215)
Numerator	 Patient has non-face-to-face follow-up visit via telephone with the treating physician documented in the patient record or visit coded as 99441, 99442, or 99443.
	 Reassessment of symptoms by other HIPAA compliant electronic means.
	• Follow-up visit for reassessment of symptoms and functionality is performed within 4 months after treatment initiation and at least annually thereafter.

Process Measure #6: Documented medication counseling

Measure Description	
Description	Number of patients diagnosed with narcolepsy in whom a new narcolepsy medication is prescribed with documentation that counseling was received regarding side effects of medications or interactions with other medications before or at the time of a newly prescribed narcolepsy medication.

Measure Components		
Denominator Statement	All patients diagnosed with narcolepsy in whom a new narcolepsy medication is prescribed.	
Exceptions	Medical Reasons: None Patient Reasons: None System Reasons: None	
Numerator Statement	Number of patients with documentation that counseling was received regarding side effects of narcolepsy medications or interactions with other medications before or at the time of a newly prescribed narcolepsy medication.	

Technical Specifications: Administrative/Claims Data

Denominator (Eligible Population)	One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) G47.429 (Narcolepsy in conditions) for the treatment of narcolepsy NOTE: Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 9
Exceptions	None
Numerator	 Chart review indicates: Patient has received counseling regarding side effects of medication(s) and potential medication interactions Counseling occurs either before or at the time of a newly prescribed narcolepsy medication.

Process Measure #7: Documented safety measure counseling

Measure Description		
Description	Number of patients diagnosed with narcolepsy who received documented age-appropriate safety measure counseling before or at the time of diagnosis, and at subsequent narcolepsy related visits.	

Measure Components		
Denominator Statement	All patients diagnosed with narcolepsy	
Exceptions	Medical Reasons: None Patient Reasons: None System Reasons: None	
Numerator Statement	Number of patients who received documented age-appropriate safety measure counseling before or at the time of diagnosis, and at subsequent narcolepsy related visits Note: Potential dangers of sleepiness and/or cataplexy may occur at any time and may place individuals or others at risk of injury (e.g. while driving, biking, cooking) Note: Education may be provided to parent and/or caregiver when appropriate	

Technical Specifications: Administrative/Claims Data

Denominator (Eligible Population)	One of the following diagnosis codes indicating narcolepsy: G47.411 (Narcolepsy Type 1 (Narcolepsy with cataplexy)) G47.419 (Narcolepsy Type 2 (Narcolepsy without cataplexy)) G47.421 (Narcolepsy in conditions classified elsewhere with cataplexy) G47.429 (Narcolepsy in conditions classified elsewhere without cataplexy) Accompanied by One of the following patient encounter codes: 99202, 99203, 99204, 99205 (office/other outpatient services – new patient) 99211, 99212, 99213, 99214, 99215 (office/other outpatient services – established patient) NOTE: Patient encounters for this measure conducted via telehealth (e.g., encounters coded with GQ, GT, 95, or POS 02 modifiers) are allowable
Exceptions	None
Numerator	 Chart review indicates: Patient has received age-appropriate safety measure counseling regarding potential dangers of sleepiness and/or cataplexy Counseling is provided before or at the time the diagnosis of narcolepsy, and subsequent visits (coded as G47.411, G47.419, G47.421 or G47.429) is assigned.