

Essential TremorQuality Measurement Set

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Work Group Members

<u>Co-Chairs</u> Theresa Zesiewicz, MD, FAAN Kelly Sullivan, PhD, MSPH

American Academy of Neurology

Paras Bhattarai, MD, MBBS Kelvin L. Chou, MD Peter Hedera, MD, PhD Janis M. Miyasaki, MD, FAAN Diego R. Torres-Russotto, MD Laurice Yang, MD

American Association of Neuroscience Nurses

Margaret M. Lambert, RN, BSN, CNRN

American Speech-Language-Hearing Association

Julie Barkmeier-Kraemer, PhD, CCC-SLP

American Society for Stereotactic and Functional Neurosurgery

Ellen Air, MD, PhD, FAANS Jane Ott, PT, DPT, NCS Lauren Seeberger, MD, FAAN

International Essential Tremor Foundation

Shari Finsilver, MS

Movement Disorder Society

Fatta B. Nahab, MD

National Institute of Neurological Disorders and Stroke (NINDS)/National Institutes of Health (NIH)

Dietrich Haubenberger, MHSc, MD

Facilitators

Anna D. Hohler, MD, FAAN Marcus Ponce de Leon, MD, FAAN

American Academy of Neurology Staff

Amy Bennett, JD Gina Gjorvad Katie Hentges Erin Lee Karen Lundgren, MBS Becky Schierman, MPH

Improving Outcome for Patients with Essential Tremor

Rationale for Measures

The American Academy of Neurology (AAN). This work group was charged with developing measures focused on improving outcomes for patients diagnosed with essential tremor. The work group includes representatives from professional associations and patient advocacy organizations to ensure measures developed included input from all members of the healthcare team and other relevant stakeholders. All members were required to disclose relationships with industry and other entities to avoid actual, potential, or perceived conflicts of interest.

Importance and Prevalence of Essential Tremor

Essential tremor is a neurological disorder causing involuntary and rhythmic shaking. "Essential tremor is one of the most common movement disorders in the world, with prevalence in the general population of 0.4 to 3.9%" Essential tremor is estimated to impact 7" to 10 million Americans. Incidence increases with age with the average age of onset in mid-to-late 40s.

"The development of ET is usually so insidious that patients cannot date the onset of symptoms to within less than five years. Other patients claim to know within a year, but this usually means they recall their first troublesome incidents with tremors, not when the tremors started. Like most gradually progressive diseases that begin insidiously, ET is often unrecognized until someone brings it to the patient's attention, or until the tremor reaches sufficient magnitude to interfere with daily living." – Rodger J. Elble, MD, PhD

Essential tremor symptoms can range from barely noticeable to severe and disabling. Although tremor may impact quality of life, particularly eating, speaking, drinking, typing, brushing teeth or writing, only a proportion seek medical attention. Have a lack of awareness and stereotypes.

Opportunity for Improvement

Essential tremor can be disabling. Although tremor may impact quality of life, particularly eating, drinking, and writing, only a proportion of patients with tremor seek medical attention. It is estimated that between 30^x -62% those diagnosed with ET will also have vocal tremor, which is difficult to treat. In a survey of patients conducted by Louis, et al., only one in ten patients indicated they were satisfied in their current treatment situation. These patients indicated psychological services and support (33.9%), physical or occupational therapy (28.6%), handling embarrassment and social effects of tremor (15.8%), and feelings of not being in control (13.7%) as areas needing additional care and support.

Additional information on treatment gaps in care and opportunity for improvement are included in the individual measure specifications that follow.

Clinical Evidence Base

A comprehensive search to identify published guidelines, measures, and consensus recommendations in the National Guidelines Clearinghouse, the National Quality Measures Clearinghouse, PubMed, MEDLINE, EMBASE, and the Cochrane Library occurred. The work group consulted the following clinical practice guidelines and systematic reviews with the following serving as the base of the measure drafts:

- 2005 Practice parameter: therapies for essential tremor: report of the Quality Standards Subcommittee of the American Academy of Neurology.xiv
- 2006 Quality of life and personality in essential tremor patients.xv
- 2011 Evidence-based guideline update: treatment of essential tremor: report of the Quality Standards subcommittee of the American Academy of Neurology. xvi
- 2011 Guidelines for management of essential tremor. xvii
- 2013 Treatment of essential tremor: a systematic review of evidence and recommendations from the Italian Movement Disorders Association. *viii*
- 2013 Task force report: scales for screening and evaluating tremor: critique and recommendations.xix
- 2014 Is essential tremor a dementing neurodegenerative disease?xx

• 2014 The Non-motor Features of Essential Tremor: A Primary Disease Feature or Just a Secondary Phenomenon?xxi

Common Abbreviations and Definitions for the Measurement Set

Below is a list of acronyms utilized in this document. The AAN has a Quality Improvement Glossary, which provides more in-depth explanations and is available at aan.com/practice/quality-measures/quality-resources.

- ADL: Activities of Daily Living
- CMS: Centers for Medicare & Medicaid Services
- DBS: Deep Brain Stimulations
- EHR: Electronic Health Record
- ET: essential tremor
- NQF: National Quality Forum
- PD: Parkinson's disease
- PQRS: Physician Quality Reporting System
- PRP: propranolol
- PRP-LA: propranolol long-acting
- QOL: Quality of Life

2016 Essential Tremor Measurement Set

The following measures were approved by the work group. There is no requirement that all measures in the measurement set be used. Providers are encouraged to identify the one or two measures that would be most meaningful for your patient populations and implement these measures to drive performance improvement in practice. The AAN measure development process involves a modified Delphi review by expert work group membership to reach consensus on measures to be developed prior to a public comment and following public comment further refinement.xxiii

2016 Essential Tremor Measurement (ET) Set*	
Pharmacological Treatment for Patients with ET	
Surgical Evaluation for Patients with ET	
Annual Assessment of Essential Tremor Severity	
Annual Screening of Depression and Anxiety for Patients with ET	
Annual Assessment of Quality of Life for Patients with ET	
Promotion of ET Resources	

^{*}The Work Group strongly suggests all providers screen for unhealthy alcohol use in this population using the Preventative Care and Screening: Unhealthy Alcohol Use: Screening & Brief Counseling measure (National Quality Forum measure #2152).

Other Potential Measures

The work group strongly suggests all providers assess patients with ET for unhealthy alcohol use. The work group declined to develop a new measure to address this concern given the existence of a current PCPI Foundation measure that is applicable to this population. The PCPI Foundation measure has been endorsed by the National Quality Forum (#2152) and is currently utilized in CMS's pay-for-reporting Physician Quality Reporting System.

- Numerator: Patients who were screened at least once within the last 24 months for unhealthy alcohol use using a systematic screening method AND who received brief counseling if identified as an unhealthy alcohol user.
- Denominator: All patients aged 18 years older who were seen twice for any visits or who had at least one preventive care visit during the two-year measurement period.

The work group proposed multiple alternate measures. Ultimately these measures were not included in this measurement set, but the concepts will be retained for future measurement set updates as more evidence may support development or a treatment gap in care at that time.

- Annual Diagnostic Review Following public comment period, the proposed annual diagnostic review measure was not further developed. Further development of the measure would place burden on the provider to either change documentation practices with little added benefit to patient care or burden on the provider to review all medical records manually to locate the data to meet the measure. Prior to public comment, the work group evaluated the possibility of addressing diagnostic needs via a DaTscan measure, but did not pursue development, as use of DaTscan does not definitively confirm a diagnosis of essential tremor. It is anticipated this issue will be reviewed in the next update to evaluate feasibility of developing a measure that will help providers address the diagnostic needs of patients who may exhibit warning signs that their diagnosis should be evaluated further.
- Outcome Measures for Tremor Severity and Quality of Life The work group felt these concepts were of high
 value, but ultimately determined it would be impractical to implement at this time, resulting in development of
 process measures for these issues. It is hoped that a universal tool will rise in the field to allow for quickly
 assessing patient satisfaction with treatment and monitoring tremor severity without being burdensome to patients
 and clinicians.
- Botulinum Toxin Discussed development of a potential measure for vocal, head, and limb tremor, but there was a lack of strong evidence and guideline statements. The work group hopes that additional research will be conducted to demonstrate the efficacy of this treatment option for consideration as a potential measure in the future.
- Speech, occupational and physical therapy discussed development of a measure addressing referrals to services, but there currently exists no strong evidence statements supporting a link to improved outcomes. Additionally, a patient reported outcome measure was not appropriate for development given the lack of validated instruments to gather outcomes in these settings.
- Exercise and relaxation There is insufficient published evidence to support development of these measures at this time. There are small studies (n=13) supporting strength training and biofeedback (n=3). These small samples cannot be generalized to patients with ET, and more research and systematic reviews on these issues are needed for future measures.
- Intermediate Medication Stabilization Outcome measure was discussed and dropped from further development given the lack of evidence to support therapeutic blood ranges for current medications used to treat ET, although such ranges exist for seizure control it is not appropriate to apply these ranges to patients with ET.
- Vocal tremor The work group discussed development of a measure assessing if a patient identified with vocal tremor was informed of available treatment options. The work group discussed that the current level of evidence and absence of guidelines statements did not meet criteria for measurement development.
- Cognitive Impairment The work group discussed development of a potential measure addressing clinician assessment for cognitive impairments, but evidence was lacking supporting the need for this assessment on all patients with ET. Further research is needed regarding any potential link between ET and cognitive impairment.
- Ultrasound Many individuals commented on the lack of a measure addressing ultrasound use. Current guideline statements do not address high energy ultrasound use. It is anticipated that in future updates of the measurement set this will be addressed following development of guidelines addressing ultrasound and potential FDA approval.

Technical Specifications Overview

The Work Group developed technical specifications for measures that includes data from:

- Electronic Health Record (EHR) Data
- Administrative Data
- Registry

Administrative claims specifications are not provided for measures given the AMA's decision to discontinue the maintenance of CPT II codes. The AAN is in the process of creating code value sets and the logic required for electronic capture of the quality measures with EHRs, when possible. A listing of the quality data model elements, code value sets,

and measure logic (through the CMS Measure Authoring Tool) for each of the measures will be made available at a later date. These technical specifications will be updated as warranted.

The measurement set may include measures that require the use of validated screening or other assessment tools. The Work Group discussed more and less prescriptive ways to select these tools, eventually determining that multiple tools should be offered to allow providers to determine which tool best meets their individual practice needs. In some cases, tools may be subject to copyright and require licensing fees.

Testing and Implementation of the Measurement Set

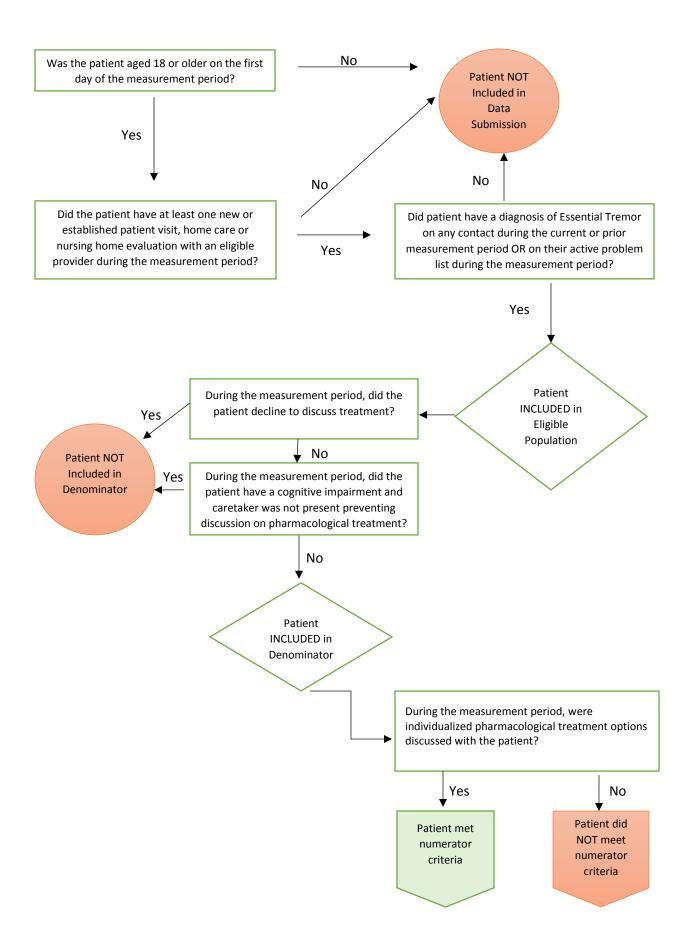
The measures in this set are being made available without any prior testing. The AAN encourages testing of this measurement set for feasibility and reliability by organizations or individuals positioned to do so. Select measures will be beta tested once the set has been released, prior to submission to the National Quality Forum for possible endorsement.

2016 Essential Tremor Measure Specifications

	emor Measure Specifi	cations	
Measure Title	Pharmacological Tre	Pharmacological Treatment for Patients with ET	
Description	Percentage of patien	its aged 18 years or older with ET for whom pharmacological treatment	
	options were discussed at least once in the 12-month measurement period.		
Measurement	January 1, 20xx to December 31, 20xx		
Period			
Eligible	Eligible Providers	Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant	
Population		(PA), Advanced Practice Registered Nurse (APRN)	
	Care Setting(s)	Outpatient and Post-Acute Care	
	Ages	18 years and older	
	Event	Patient had an office visit, E/M services, or home care services performed	
		or supervised by an eligible provider as a patient.	
	Diagnosis	Essential Tremor	
Denominator	Patients 18 years an	d older with a diagnosis of essential tremor.	
Numerator	Patients for whom p	harmacological treatment* options were discussed at least once in the 12-	
	month measurement		
	*Pharmacological tr	reatment is defined as individualized recommendations to meet patient needs	
	that are in complian	ce with current guideline statements.	
Required	None		
Exclusions			
Allowable	Patient declines discussion.		
Exclusions	 Patient is unable to participate in examination (i.e., advanced stage dementia, profound 		
	psychosis, r	neurodevelopmental disorder, brain injury encephalopathy, or hydrocephalus)	
	and caretake	er not present.	
Exclusion	It is appropriate to exclude patients who decline to discuss pharmacological options. Additionally,		
Rationale	a discussion on treatment options cannot be held with those who have an impairment preventing		
	participation withou	t the presence of a caretaker.	
Measure	Percentage/Proporti	on	
Scoring			
Interpretation	Higher Score Indica	tes Better Quality	
of Score			
Measure Type	Process		
Level of	Provider, Practice and	Provider, Practice and System	
Measurement			
Risk	Not Applicable		
Adjustment			
For Process		apy to address symptomatic progression to maximize function and safety are	
Measures	` '	available (1) and should be discussed with patients, with the goal of improving quality of life and	
Relationship to	performance of activities of daily living.		
Desired			
Outcome			

"Although benign in term of its effect on life expectancy, it often causes embarrassment and, in a small percentage of patients, also serious disability. Moreover, symptoms are typically progressive and potentially disabling, often forcing patients to change jobs or seek early retirement." (2) Process Intermediate Outcome Outcomes · Pharmacological treatment Medication adherence • Tremor severity maintained or reduced Reduction in overall tremors Health care providers need to tailor treatment recommendations based on each individual patient **Opportunity to** situation. Health care providers must provide patients and caregivers with information on efficacy **Improve Gap in** Care and lack of efficacy for treatment options, balancing the patient's treatment goals with available options. In a survey of International Essential Tremor Foundation members, findings indicated an increased need for awareness of guideline approved treatment options.(4) Specifically, members indicated "current treatments included beta-blockers (42%), primidone (20%), benzodiazepines (13%), gabapentin (6%), topiramate (5%) and Deep Brain Stimulation (3%). However, 33% reported no benefit from beta-blockers and 35% discontinued due to side effects. Similarly, 17% had no benefit from primidone and 23% discontinued due to side effects. In addition, 33% had received no treatment for their tremor."(4) In a similar study by Louis, 11.9% of survey respondents indicated they would like better counseling about current treatment and medications.(5) Measure is met by conducting a discussion regarding pharmacological treatment. If patient has a medical contraindication or declines further treatment options citing satisfaction with current treatment course, the measure has been satisfied as a discussion on treatment options has occurred. Although not explicitly measured, it is the expectation of the work group that clinicians are assessing medication side effects and complications to ensure that pharmacological treatment options are appropriate for individual patients. It is implied that a clinician would meet this measure if a patient had surgery and tremor symptoms were no longer problematic warranting no further pharmacological treatment at the time of evaluation. No similar measures known. Harmonization with Existing Measures References 1. Zesiewicz TA, Elble R, Louis ED, et al.; Quality Standards Subcommittee of the American Academy of Neurology. Practice parameter: therapies for essential tremor: report of the Quality Standards Subcommittee of the American Academy of Neurology. Neurology. 2005;64(12):2008-2020. 2. Zappia M, Albanese A, Bruno E, et al. Treatment of essential tremor: a systematic review of evidence and recommendations from the Italian Movement Disorders Association. J Neurol. 2013;260(3):714-740. 3. Zesiewicz TA, Elble RJ, Louis ED, et al. Evidence-based guideline update: treatment of essential tremor: report of the Quality Standards subcommittee of the American Academy of Neurology. Neurology. 2011;77(19):1752-1755.

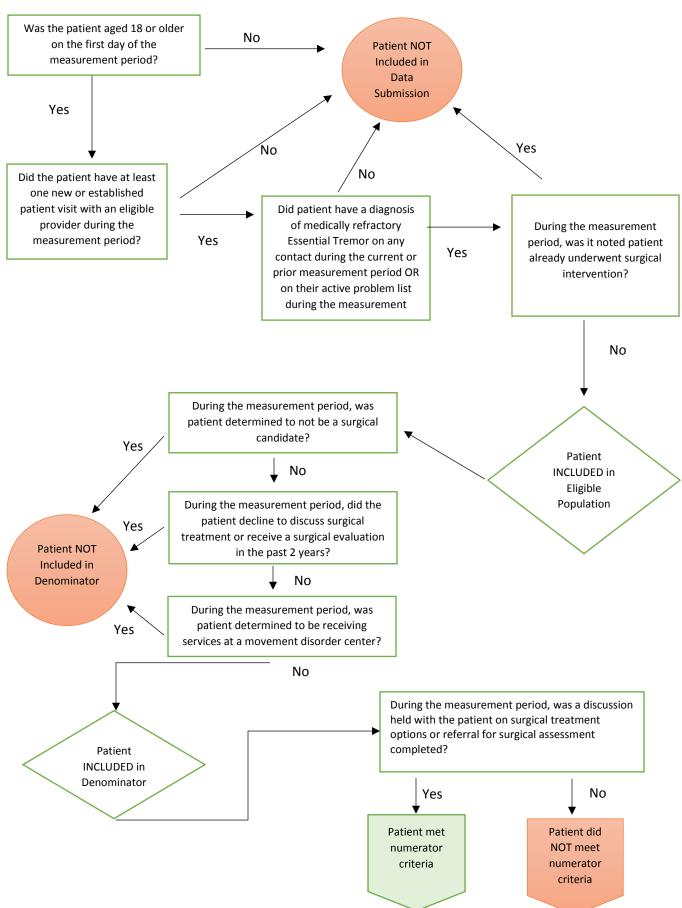
- 4. Dowell P, Pahwa R, Lyons K. Exploring Essential Tremor: Results of a Large Online Survey. Neurology. Conference: 68th American Academy of Neurology Annual Meeting, AAN 86(16 SUPPL. 1).
 - 5. Louis ED, Rohl B, and Rice C. Defining the Treatment Gap: What Essential Tremor Patients Want That They Are Not Getting. Tremor Other Hyperkinet Mov. 2015;5:331.



Code System	Code	Code Description
ICD-9	333.1	Essential Tremor
ICD-10	G25.0	Essential Tremor
CPT	99201-99205	Office or Other Outpatient Visit - New Patient (E/M Codes)
CPT	99211-99215	Office or Other Outpatient Visit - Established Patient (E/M
		Codes)
CPT	99241-99245	Office or Other Outpatient Consultation – New or Established
		Patient
CPT	99304-99310	Nursing Home Consultation
CPT	99318	Other Nursing Facility Service
CPT	99324-99328;	Domiciliary, Rest Home Care Services
	99334-99337	·
CPT	99339,993340	Domiciliary, Rest Home Care Services Care Plan Oversight
CPT	99341-99345	Home Care
CPT	99347-99350	Home Care

ry* ET for whom st once in the 12- cian Assistant	
cian Assistant	
upervised by an	
th tremor control	
om available	
the 12-month	
4: f	
tion of a surgical	
 Patient declines discussion on surgical treatment options. Patient is not a surgical candidate. 	
xt 2 xxaama	
st 2 years.	
have already ho are felt to not	
care at a	
are at a are removed to	
ie removed to	

For Process	Surgical treatment options to address symptomatic progression to maximize function and safety		
Measures	are available and should be discussed with patients, with the goal of improving quality of life and		
Relationship to	performance of activities of daily living.(1-3)		
Desired			
Outcome			
	Process Intermediate Outcome Outcomes		
	• Surgical treatment options • Appropriate patients identified • Tremor severity maintained or		
	reviewed for surgical interventions reduced		
	• Surgical interventions • Reduction in overall tremors		
	provided		
Opportunity to	In a study by Louis, 11.9% of survey respondents indicated they would like better counseling		
Improve Gap in	about current treatment and medications.(4)		
Care			
Harmonization	No similar measures known.		
with Existing			
Measures			
References	1. Zesiewicz TA, Elble R, Louis ED, et al.; Quality Standards Subcommittee of the		
	American Academy of Neurology. Practice parameter: therapies for essential tremor:		
	report of the Quality Standards Subcommittee of the American Academy of Neurology.		
	Neurology. 2005;64(12):2008-2020.		
	2. Zesiewicz TA, Elble RJ, Louis ED, et al. Evidence-based guideline update: treatment of		
	essential tremor: report of the Quality Standards subcommittee of the American		
	Academy of Neurology. Neurology. 2011;77(19):1752-1755.		
	3. Zappia M, Albanese A, Bruno E, et al. Treatment of essential tremor: a systematic		
	review of evidence and recommendations from the Italian Movement Disorders		
	Association. J Neurol. 2013;260(3):714-740.		
	4. Louis ED, Rohl B, and Rice C. Defining the Treatment Gap: What Essential Tremor		
	Patients Want That They Are Not Getting. Tremor Other Hyperkinet Mov. 2015;5:331		

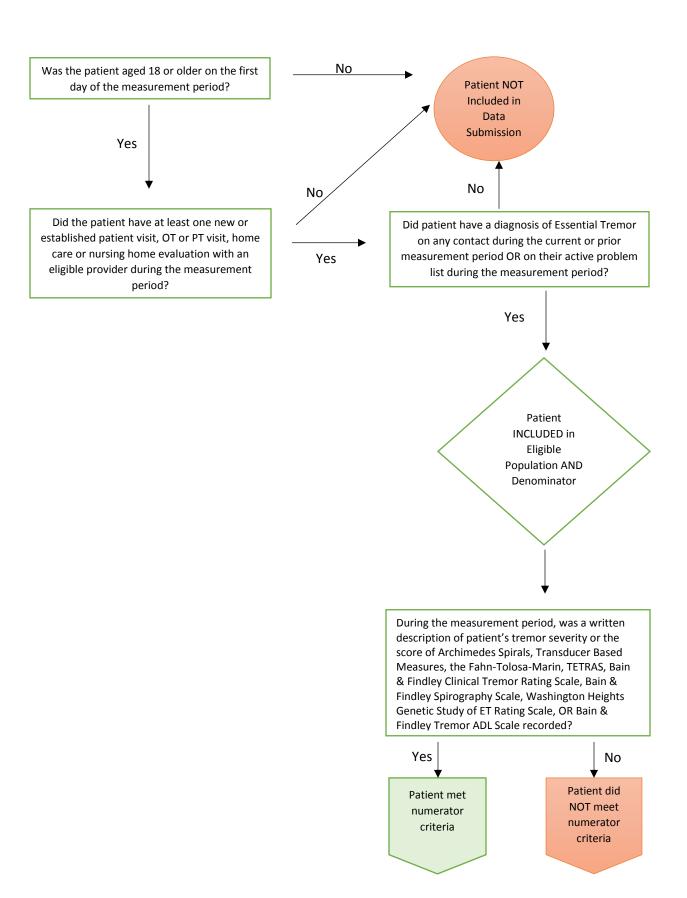


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Code System	Code	Code Description
ICD-9	333.1	Essential Tremor
ICD-10	G25.0	Essential Tremor
CPT	99201-99205	Office or Other Outpatient Visit - New Patient (E/M Codes)
CPT	99211-99215	Office or Other Outpatient Visit - Established Patient (E/M
		Codes)
CPT	99241-99245	Office or Other Outpatient Consultation – New or Established
		Patient

Measure Title	Annual Assessment	of Essential Tremor Severity	
Description	Percentage of patients aged 18 years or older with ET whose tremor severity was assessed		
		ded* at least once in the 12-month measurement period.	
Measurement	January 1, 20xx to December 31, 20xx		
Period	January 1, 20xx to December 31, 20xx		
Eligible	Eligible Providers Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant		
Population	29	(PA), Advanced Practice Registered Nurse (APRN), Physical Therapist,	
· F · · · · · ·		Occupational Therapist	
	Care Setting(s)	Outpatient and Post-Acute Care	
	Ages	18 years and older	
	Event	Patient had an office visit, E/M services, physical therapy, occupational	
		therapy, or home care services performed or supervised by an eligible	
		provider as a patient.	
	Diagnosis	Essential Tremor	
Denominator		l older with a diagnosis of essential tremor.	
Numerator		rs or older with ET whose tremor severity was assessed annually and	
	recorded* in the 12-r	month measurement period.	
		a written description of severity OR score from use of a validated tool noted	
		l: Archimedes Spirals, Transducer Based Measures, the Fahn-Tolosa-Marin,	
		ndley Clinical Tremor Rating Scale, Bain & Findley Spirography Scale,	
Daguinad	None Washington Heights	Genetic Study of ET Rating Scale, or Bain & Findley Tremor ADL Scale(1)	
Required Exclusions	None		
Allowable	None		
Exclusions	None		
Exclusion	Not Applicable		
Rationale	Not Applicable		
Measure	Percentage/Proportion		
Scoring	1 oreentage/1 reportion		
Interpretation	Higher Score Indicates Better Quality		
of Score			
Measure Type	Process		
Level of	Provider, Practice an	d System	
Measurement			
Risk	Not Applicable		
Adjustment			
For Process		e is to reduce tremor severity and disability. This measure will deliver	
Measures	meaningful data to h	ealthcare providers to identify and manage tremor severity and disability.	
Relationship to			
Desired			
Outcome			
	Proces		
	• Tremo	or severity assessed and ded • Tremor severity maintained or reduced	
		• Improvement in Quality of Life	

Opportunity to Improve Gap in	Patients have reported a need for additional detailed reports and more quantitative ways of assessing tremor and tracking progression. (2) This measure would provide a standardized scale
Care	assessing tremor and allowing for additional conversations between providers and patients on disease progression.
	Verbal assessment can be completed for those who decline to use a scale.
	verbal assessment can be completed for those who decline to use a scale.
Harmonization	No similar measures known.
with Existing	
Measures	
References	 Elble R, Bain P, Forjaz MJ, et al. Task force report: scales for screening and evaluating tremor: critique and recommendations. Mov Disord. 2013;28(13):1793-1800. Louis ED, Rohl B, and Rice C. Defining the Treatment Gap: What Essential Tremor
	Patients Want That They Are Not Getting. Tremor Other Hyperkinet Mov. 2015;5:331.

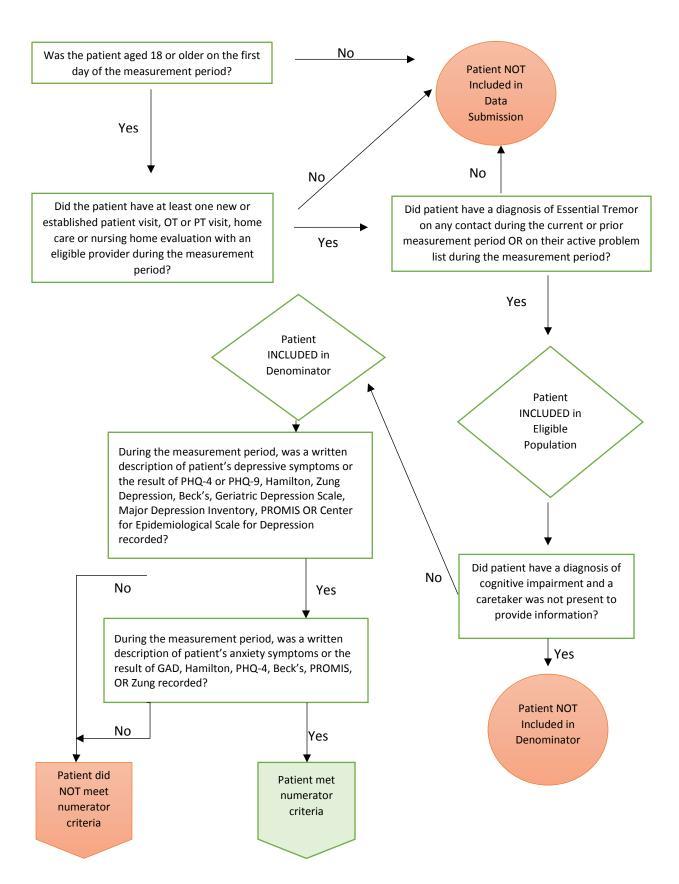


Code System	Code	Code Description
ICD-9	333.1	Essential Tremor
ICD-10	G25.0	Essential Tremor
CPT	99201-99205	Office or Other Outpatient Visit - New Patient (E/M Codes)
CPT	99211-99215	Office or Other Outpatient Visit - Established Patient (E/M
		Codes)
CPT	99241-99245	Office or Other Outpatient Consultation – New or Established
		Patient
CPT	97165,97166,97167	Occupational therapy low, moderate, and high evaluation
CPT	97168	Occupational therapy reevaluation
CPT	97161,97162,97163	Physical therapy low, moderate, and high evaluation
CPT	97164	Physical therapy reevaluation
CPT	99304-99310	Nursing Home Consultation
CPT	99318	Other Nursing Facility Service
CPT	99324-99328;	Domiciliary, Rest Home Care Services
	99334-99337	
CPT	99339,993340	Domiciliary, Rest Home Care Services Care Plan Oversight
CPT	99341-99345	Home Care
CPT	99347-99350	Home Care

Measure Title	Annual Screening of Depression and Anxiety for Patients with ET			
Description		Percentage of patients aged 18 years or older with ET for whom annual screening* for depression		
1		nducted at least once in the 12-month measurement period.		
Measurement	January 1, 20xx to December 31, 20xx			
Period		,		
Eligible	Eligible Providers	Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant		
Population		(PA), Advanced Practice Registered Nurse (APRN), Physical Therapist,		
		Occupational Therapist		
	Care Setting(s)	Outpatient and Post-Acute Care		
	Ages	18 years and older		
	Event	Patient had an office visit, E/M services, post-acute, or home care services		
		performed or supervised by an eligible provider as a patient.		
	Diagnosis	Essential Tremor		
Denominator	Patients 18 years and	l older with a diagnosis of essential tremor.		
Numerator	Patients for whom ar	nnual screening* for depression AND anxiety were conducted at least once in		
	the 12-month measur	rement period.		
	_	ed as a verbal assessment of symptoms. A standardized tool may also be used		
	during assessment, the	nese tools are:		
	Depression			
		th Questionnaire (PHQ-9) or (PHQ-4),		
		epression Rating Scale (HAM-D or HDRS),		
	 Zung Self-R 	ating Depression Scale (SDS),		
	Beck Depres	ssion Inventory (BDI) or BDI II,		
	 Geriatric Depression Scale (GDS), Major Depression Inventory (MDI), 			
	 PROMIS En 	PROMIS Emotional Distress - Depression OR		
	Center for E	pidemiological Studies Depression Scale Revised (CESD-R).		
	Anxiety	(615.5)		
		Anxiety Disorder Assessment (GAD-7),		
		nxiety Rating Scale (HAM-A),		
		th Questionnaire (PHQ-4),		
		y Inventory (BAI),		
		notional Distress - Anxiety OR		
	 Zung Self-R 	ating Anxiety Scale (SAS).		
Doguinad	None			
Required	None			
Exclusions Allowable	Detient to	oble to nouticinate in anomination (i.e. al., and the description of the state of t		
Exclusions		able to participate in examination (i.e., advanced stage dementia, profound		
Exclusions	2 0	eurodevelopmental disorder, brain injury encephalopathy, or hydrocephalus)		
Exclusion		r not present. pression and anxiety cannot be conducted for patients with an impairment		
Rationale	· · · · · · · · · · · · · · · · · · ·	ion without the presence of a caretaker.		
Measure	Percentage/Proportion	A		
Scoring	1 ercentage/rioportio	лі		
Interpretation	Higher Score Indicat	es Retter Quality		
of Score	Trigher Score mulcat	es benef Quanty		
Measure Type	Process			
measure Type	110008			

Level of	Provider, Practice and System
Measurement Risk	Not Applicable
Adjustment	
For Process	Supportive services and therapies to address non-motor symptoms of ET to maximize function
Measures	and safety are available and should be discussed with patients, with the goal of improving quality
Relationship to Desired	of life and performance of activities of daily living. (1-3)
Outcome	
	Process Outcome Outcomes
	• Assessed for depression and anxiety symptoms annually • Anxiety Identified and anxiety symptoms • Decreased depression and anxiety symptoms
	Depression Identified and Treatment Initiated
	Treatment initiated
	"Traditionally, psychiatric symptoms have been regarded as occurring in response to debilitating
	neurological symptoms in ET. However, other evidence suggests that depression might occur
	before the motor symptoms of ET manifest; in such situations this psychiatric disorder cannot be a
Opportunity to	secondary response to disability." (4) Some studies have estimated that as many as 30% of patients with ET have mild depressive
Improve Gap in	symptoms. (4).
Care	
	"Respondents raised a multiplicity of issues that were not being addressed in their current care. The top items were psychological services and support (33.9%), physical or occupational therapy
	(28.6%), handling embarrassment and social effects of tremor (15.8%), feelings of not being in
	control (13.7%), and a discussion of all symptoms aside from tremor (e.g., cognition, balance).
	(5)
	Health care providers need to tailor treatment recommendations based on each individual patient
	situation. Health care providers must provide patients and caregivers with information on efficacy
	and lack of efficacy for treatment options, balancing the patient's treatment goals with available
	options.
Harmonization with Existing	No similar measures known.
Measures	
References	Pal PK. Guidelines for management of essential tremor. Ann Indian Acad Neurol
	2011;14:2528
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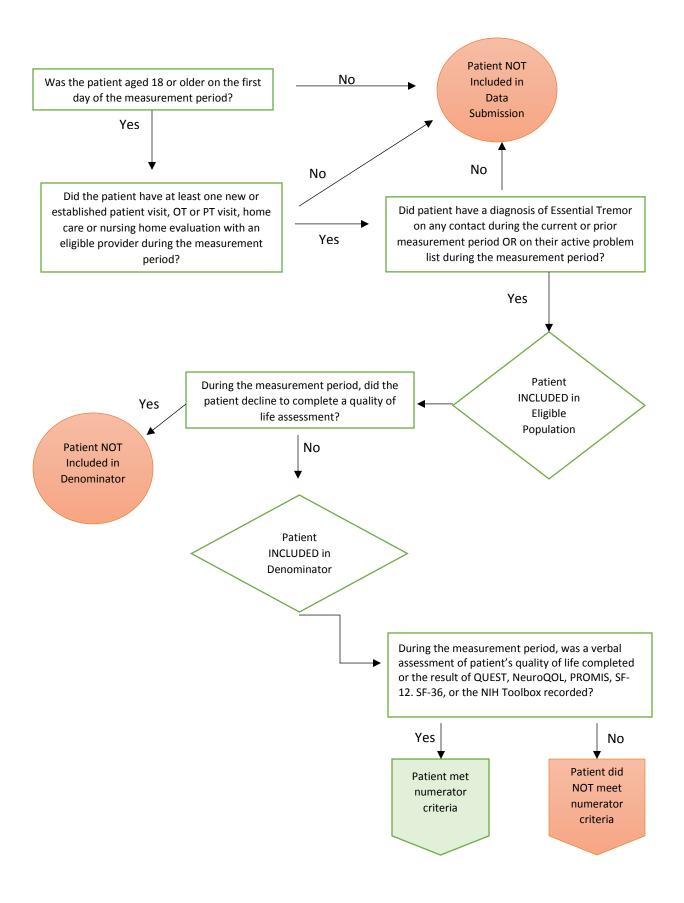


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Code System	Code	Code Description
ICD-9	333.1	Essential Tremor
ICD-10	G25.0	Essential Tremor
CPT	99201-99205	Office or Other Outpatient Visit - New Patient (E/M Codes)
CPT	99211-99215	Office or Other Outpatient Visit - Established Patient (E/M
		Codes)
CPT	99241-99245	Office or Other Outpatient Consultation – New or Established
		Patient
CPT	99304-99310	Nursing Home Consultation
CPT	99318	Other Nursing Facility Service
CPT	99324-99328;	Domiciliary, Rest Home Care Services
	99334-99337	
CPT	99339,993340	Domiciliary, Rest Home Care Services Care Plan Oversight
CPT	99341-99345	Home Care
CPT	99347-99350	Home Care
CPT	97165,97166,97167	Occupational therapy low, moderate, and high evaluation
CPT	97168	Occupational therapy reevaluation
CPT	97161,97162,97163	Physical therapy low, moderate, and high evaluation
CPT	97164	Physical therapy reevaluation
CPT	96150-96155	Health and Behavior Assessment / Intervention
CPT	96160, 96161	Health and Behavior Assessment / Intervention

Maggare T241.		00 11 0710 0 D 1 11 DD	
Measure Title	Annual Assessment of Quality of Life for Patients with ET		
Description	Percentage of patients aged 18 years and older diagnosed with ET who were assessed* annually		
	for quality of life in the 12-month measurement period.		
Measurement	January 1, 20xx to December 31, 20xx		
Period			
Eligible	Eligible Providers	Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant	
Population		(PA), Advanced Practice Registered Nurse (APRN), Physical Therapist,	
		Occupational Therapist	
	Care Setting(s)	Outpatient Care	
	Ages	18 years and older	
	Event	Patient had an office visit or E/M services performed or supervised by an	
		eligible provider as a patient.	
	Diagnosis	Essential Tremor	
Denominator		rs and older diagnosed with ET.	
Numerator	_	l older diagnosed with ET who were assessed* annually for quality of life in	
	the 12-month measur	rement period.	
		as a verbal discussion or use of a validated tool: QUEST(1,2),	
		NeuroQOL(3), PROMIS(4), SF-12(5), SF-36(6), or the NIH Toolbox(7).	
Required	None		
Exclusions			
Allowable	 Patients who 	are unable or decline to complete quality of life instrument.	
Exclusions			
Exclusion	Quality of life is a su	bjective symptom that requires patient cooperation to assess.	
Rationale			
Measure	Percentage/Proportion	on	
Scoring			
Interpretation	Higher Score Indicat	Higher Score Indicates Better Quality	
of Score			
Measure Type	Process		
Level of	Provider, Practice an	d System	
Measurement			
Risk	Not Applicable	Not Applicable	
Adjustment			
For Process	<u> </u>	of life is a desired outcome for all patients with ET. ET can diminish quality	
Measures		ptoms impact a person's ability to eat, speak, drink, work and engage in	
Relationship to		social activities. Measuring quality of life and monitoring for maintenance or improvement is	
Desired	expected to result in prompt, timely interventions for patient identified concerns.		
Outcome		<u> </u>	
	Dec	cess Outcomes	
		cess Outcomes • Quality of Life maintained or	
	• (1)	improved	
		r	
Opportunity to	Research supports th	at ET patients frequently identify embarrassment as a common consequence	
Improve Gap in		ding to social anxiety and avoidance.(8) These factors combined with	
Care		f ET result in a decreased quality of life. In a survey of ET patients,	
 -		1 1 1	

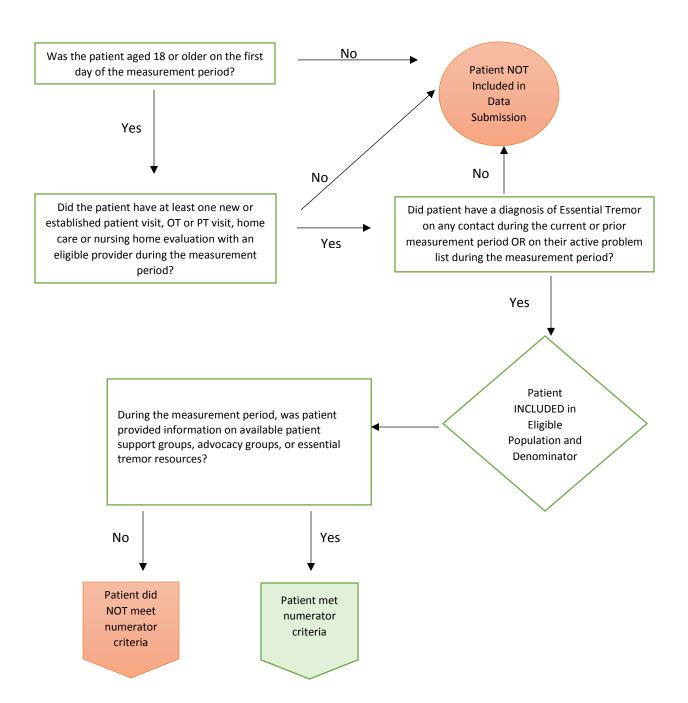
	respondents raised concern that many issues were not being addressed in their current care		
	including psychological services and support (33.9%), handling embarrassment and social effects		
	of tremor (15.8%), feelings of not being in control (13.7%).(9) These gaps support a decreased		
	quality of life for individuals with ET, and an opportunity for improvement.		
Harmonization	No measures addressing ET quality of life are known. Existing measures assess quality of life as		
with Existing	a process measure for select individuals and are not generalizable to the ET population (e.g.,		
Measures	receiving dialysis, (Assessment of Health-related Quality of Life		
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	(http://www.qualityforum.org/QPS/0208))		
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CPT	97168	Occupational therapy reevaluation
CPT	97161,97162,97163	Physical therapy low, moderate, and high evaluation
CPT	97164	Physical therapy reevaluation

Measure Title	Promotion of ET Resources			
Description	Percentage of patier	its aged 18 years and older with ET who were provided information on		
1	relevant patient support groups, advocacy groups, or essential tremor specific education in			
	the 12-month measurement period.			
Measurement		January 1, 20xx to December 31, 20xx		
Period		,		
Eligible	Eligible Providers	Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant		
Population		(PA), Advanced Practice Registered Nurse (APRN)		
_	Care Setting(s)	Outpatient Care		
	Ages	18 years and older		
	Event	Patient had an office visit or E/M services performed or supervised by an		
		eligible provider as a patient.		
	Diagnosis	Essential Tremor		
Denominator	Patients aged 18 year	rs or older diagnosed with ET.		
Numerator		rs and older who were provided information on relevant patient support		
		oups, or essential tremor specific education in the 12-month measurement		
	period.			
Required	None			
Exclusions				
Allowable	None			
Exclusions	N			
Exclusion	Not Applicable			
Rationale	D //D /			
Measure	Percentage/Proportion	on .		
Scoring	II' -1 C I 1'4	P-44 O1'4-		
Interpretation of Score	Higher Score Indicat	es Better Quanty		
	Process			
Measure Type Level of	Provider, Practice an	d Systam		
Measurement	Flovider, Flactice an	d System		
Risk	Not Applicable			
Adjustment	1 tot rippiicuoic			
For Process	By measuring and m	onitoring the number of patients with ET who are provided patient support		
Measures		ces it is expected that more patients will connect to these resources. By		
Relationship to	8 - 4	, and the same of		
Desired				
Outcome				
	Process	Intermediate Outcome Outcomes		
	Provided ET resources			
	support group information	ion specific resources knowledge of ET • Increased patient and family		
		engagement in treatment		
	_	ces it is anticipated that patient engagement in treatment planning will		
	increase as patients g	gain a greater awareness of ET.		

Opportunity to	Measure is envisioned as a yes/no survey outcome of patients who receive outpatient treatment.		
Improve Gap in	Patients would be asked if their provided link them to resources in the past 12 months?		
Care			
	In a survey of patients conducted by Louis, et al., only one in ten patients indicated they were		
	satisfied in their current treatment situation.(1) Further, 30+% of patients indicated their doctor is		
	not even moderately well-educated about ET.(1) Surveyed patients indicated numerous areas		
	where additional care and support was needed: psychological services and support		
	(33.9%), physical or occupational therapy (28.6%), handling embarrassment and social		
	effects of tremor (15.8%), feelings of not being in control (13.7%), and better counseling		
	about current treatment and medications (11.9%).(1) Additional resources should be provided to		
	patients with ET to address these noted gaps.		
Harmonization	No similar measures known.		
with Existing			
Measures			
References	1. Louis ED, Rohl B, and Rice C. Defining the Treatment Gap: What Essential Tremor		
	Patients Want That They Are Not Getting. Tremor Other Hyperkinet Mov. 2015;5:331.		



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		Patient

Contact Information

American Academy of Neurology 201 Chicago Avenue Minneapolis, MN 55415 quality@aan.com

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