

Title: Pharmacological Treatment of Dementia

CMS ID: PP6

NQF #: N/A

Source(s)

American Medical Association, American Academy of Neurology Institute and American Psychiatric Association (2016)

Measure Domain

Communication and Care Coordination: Process

Brief Abstract

Description

Percentage of patients with dementia or their caregivers with whom available guideline-appropriate pharmacological treatment options and nonpharmacological behavior and lifestyle modifications were discussed at least once in the last 12-month period.

Rationale

- Pharmacologic therapy to address symptomatic progression and occupational therapy to maximize function and safety are available and should be discussed with patients and their caregivers, with the goal of improving quality of life and delaying or preventing institutionalization (1-3).
- Guideline-adherent dementia interventions occurred in 33-91% of primary care practices according to a recent meta-analysis (4).

Evidence for Rationale

1. Hermann N, Lanctôt KL, Hogan DB. Pharmacological recommendations for the symptomatic treatment of dementia: The Canadian Consensus Conference on the Diagnosis and Treatment of Dementia 2012. *Alzheimer's Research & Therapy* 2013; 5(Suppl 1):S5
2. Sadowsky CH, Galvin JE. Guidelines for the management of cognitive and behavioral problems in dementia. *JABFM* 2012;25(3):350-366.
3. Sorbi S, Hort J, Erkinjuntti T, et al. EFNS-ENS Guidelines on the diagnosis and management of disorders associated with dementia. *Eur J Neurol* 2012;19(9):1159-1179.
4. Sivanathan S, Pyat JH, McGrail KM. Variations in Self-Reported Practice of Physicians Providing Clinical Care to Individuals with Dementia: A Systematic Review. *J Am Geriatr Soc* 2013;61:1277-1285.
5. American Academy of Neurology. "AAN Patient and Provider Shared Decision-making Tool. Dementia." 2015 3p. Available at:

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https://www.aan.com/uploadedFiles/Website_Library_Assets/Documents/3.Practice_Management/2.Quality_Improvement/1.Quality_Measures/15%20Dementia%20SDM%20v304.pdf.

Primary Health Components

Dementia; Older adults;

Denominator Description

All patients with dementia.

See the related "Denominator Inclusions/Exclusions" field.

Numerator Description

Patients with dementia or their caregivers with whom available guideline/appropriate pharmacological treatment options and nonpharmacological behavior and lifestyle modifications were discussed at least once in the last 12-month period.

See the related "Numerator Inclusions/Exclusions" field.

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

- A clinical practice guideline or other peer-reviewed synthesis of the clinical research evidence

Extent of Measure Testing

- Not available

Refer to the references listed below for further information.

Evidence for Extent of Measure Testing

Not available

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Data Collection for the Measure

Case Finding Period

The measurement year

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Encounter

Patient/Individual (Consumer) Characteristic

Denominator Inclusions/Exclusions/Exceptions

Inclusions

All patients with dementia*

AND documented with CPT Code:

- 99201, 99202, 99203, 99204, 99205 (Office or other outpatient visit-New Patient);
- 99211, 99212, 99213, 99214, 99215 (Office or other outpatient visit-Established Patient);
- 99241, 99242, 99243, 99244, 99245 (Office or Other Outpatient Consultation-New or Established Patient);
- 99201, 99202, 99203, 99204, 99205 (E/M Codes);
- 99211, 99212, 99213, 99214, 99215 (E/M Codes);
- 90791, 90792, 90832, 90833, 90834, 90836, 90837, 90838 (Psychiatric Diagnostic Evaluation and psychotherapy);
- 96116, 96118, 96119, 96120 (Neurobehavior status exam and neuropsychological testing);
- 96150, 96151, 96152, 96153, 96154, 96155 (Health and behavior assessment and interventions);
- 99490, 99487, 99489 (Complex Chronic Care Management);
- 99497, 99498 (Advance care planning);
- 97003, 97004 (Occupational therapy evaluation and re-evaluation);
- 97001, 97002 (Physical therapy evaluation and re-evaluation);
- 99304, 99305, 99306, 99307, 99308, 99309, 99310 (Nursing Home Consultation);
- 99318 (Other Nursing Facility Services);
- 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337 (Domiciliary, Rest Home Care Services);
- 99339, 99340 (Domiciliary, Rest Home Care Services Care Plan Oversight);
- 99341, 99342, 99343, 99344, 99345 (Home Care);

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- 99347, 99348, 99349, 99350 (Home Care).

*Note: ICD Diagnostic codes included on pages 4-6.

Exclusions
Unspecified

Exceptions
Unspecified

Numerator Inclusions/Exclusions

Inclusions

Patients with dementia or their caregivers with whom available guideline/appropriate pharmacological treatment options and nonpharmacological behavior and lifestyle modifications were discussed and documented in the medical record at least once in the last 12-month period.

Exclusions
Unspecified

Computation of the Measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a higher score

Risk Adjustment

No

NOTES

ICD Diagnostic codes for Dementia

ICD 9

290.0 Senile dementia, uncomplicated

290.10 Presenile dementia, uncomplicated

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ICD Diagnostic codes for Dementia
290.12 Presenile dementia with delusional features
290.13 Presenile dementia with depressive features
290.20 Senile dementia with delusional or depressive features
290.21 Senile dementia with delusional features
290.40 Vascular dementia, uncomplicated (Use additional code to identify cerebral atherosclerosis (437.0) or other condition resulting in this diagnosis)
290.42 Vascular dementia with delusions (Use additional code to identify cerebral atherosclerosis (437.0) or other condition resulting in this diagnosis)
290.43 Vascular dementia with depressed mood (Use additional code to identify cerebral atherosclerosis (437.0) or other condition resulting in this diagnosis)
291.2 Alcohol-induced persisting dementia
294.10 Dementia in conditions classified elsewhere without behavioral disturbance (Code first the underlying condition)
294.11 Dementia in conditions classified elsewhere with behavioral disturbance (Code first the underlying condition)
294.20 Dementia, unspecified, without behavioral disturbance Dementia, not otherwise specified
294.21 Dementia, unspecified, with behavioral disturbance
331.0 Alzheimer's disease (Use additional code, where applicable, to identify dementia: with behavioral disturbance (294.11) without behavioral disturbance (294.10))
331.11 Pick's disease
331.19 Other frontotemporal dementia
331.6 Corticobasal degeneration
331.7 Cerebral degeneration in diseases classified elsewhere (Code first underlying disease)
331.82 Dementia with Lewy bodies
331.89 Other cerebral degeneration, Other (Corticobasal degeneration) (dementia in)
332.0 Parkinson's disease (Use additional code to identify dementia, if present, from 294.10 to 294.11)
042 Human immunodeficiency virus [HIV] disease Use additional code(s) to identify all manifestations (Use additional code to identify HIV-2 infection (079.53))
094.1 Neurosyphilis, General Paresis Dementia Paralytica (Use additional code to identify associated mental disorder)
046.11 Variant Creutzfeldt-Jacob disease vCJD (Use additional code to identify dementia: with behavioral disturbance (294.11) without behavioral disturbance (294.12))
046.19 Other and unspecified Creutzfeldt-Jacob disease CJD Familial Creutzfeldt-Jacob disease Iatrogenic Creutzfeldt-Jacob disease Sporadic Creutzfeldt-Jacob disease Subacute spongiform encephalopathy (Use additional code to identify dementia: with behavioral disturbance (294.11) without behavioral disturbance (294.12))
ICD 10
F03.90 Unspecified dementia without behavioral disturbance Includes: presenile dementia NO presenile psychosis NOS primary degenerative dementia NOS senile dementia NOS senile dementia depressed or paranoid type senile psychosis NOS Excludes1: senility NOS (R41.81) Excludes2: mild memory disturbance due to known physiological condition senile dementia with delirium or acute confusional state (F05)

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ICD Diagnostic codes for Dementia

F03.90 Unspecified dementia without behavioral disturbance Includes: presenile dementia NOS presenile psychosis NOS primary degenerative dementia NOS senile dementia NOS senile dementia depressed or paranoid type senile psychosis NOS Excludes1: senility NOS (R41.81) Excludes2: mild memory disturbance due to known physiological condition senile dementia with delirium or acute confusional state (F05)

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F05 Delirium due to known physiological condition Acute or subacute brain syndrome Acute or subacute confusional state (nonalcoholic) Acute or subacute infective psychosis Acute or subacute psycho-organic syndrome Delirium of mixed etiology Delirium superimposed on dementia Sundowning Code first the underlying physiological condition Excludes1: delirium NOS Excludes2: delirium tremens alcohol-induced or unspecified (F10.231, F10.921)

F03.90 Unspecified dementia without behavioral disturbance Includes: presenile dementia NOS presenile psychosis NOS primary degenerative dementia NOS senile dementia NOS senile dementia depressed or paranoid type senile psychosis NOS Excludes1: senility NOS (R41.81) Excludes2: mild memory disturbance due to known physiological condition senile dementia with delirium or acute confusional state (F05)

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F01.50 Vascular dementia without behavioral disturbance Includes: arteriosclerotic dementia Code first the underlying physiological condition or sequelae of cerebrovascular disease

F01.51 Vascular Dementia with behavioral disturbance Vascular dementia with aggressive behavior Vascular dementia with combative behavior Vascular dementia with violent behavior Includes: arteriosclerotic dementia Code first the underlying physiological condition or sequelae of cerebrovascular disease

F10.27 Alcohol dependence with alcohol-induced persisting dementia

F02.80 Dementia in other diseases classified elsewhere, without behavioral disturbance Dementia in other diseases classified elsewhere not otherwise specified Code first the underlying physiologic condition

F02.81 Dementia in other diseases classified elsewhere, with behavioral disturbance Dementia in other diseases classified elsewhere with aggressive behavior Dementia in other diseases classified elsewhere with combative behavior Dementia in other diseases classified elsewhere with violent behavior Code first the underlying physiologic condition

F03.90 Unspecified dementia without behavioral disturbance Includes: presenile dementia NOS presenile psychosis NOS primary degenerative dementia NOS senile dementia NOS senile dementia depressed or paranoid type senile psychosis NOS Excludes1: senility NOS (R41.81) Excludes2: mild memory disturbance due to known physiological condition senile dementia with delirium or acute confusional state (F05)

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ICD Diagnostic codes for Dementia
F03.91 Unspecified dementia with behavioral disturbance Unspecified dementia with aggressive behavior Unspecified dementia with combative behavior Unspecified dementia with violent behavior
G30.0 Alzheimer's disease with early onset
G30.1 Alzheimer's disease with late onset
G30.8 Other Alzheimer's disease
G30.9 Alzheimer's disease, unspecified Use additional code to identify: delirium, if applicable (F05) dementia with behavioral disturbance (F02.81) dementia without behavioral disturbance (F02.80)
G31.01 Pick's disease Circumscribed brain atrophy Progressive isolated aphasia Use additional code to identify: delirium, if applicable (F05) dementia with behavioral disturbance (F02.81) dementia without behavioral disturbance (F02.80)
G31.09 Other frontotemporal dementia
G31.85 Corticobasal degeneration
G94 Other disorders of brain in diseases classified elsewhere Code first underlying disease
G31.83 Dementia with Lewy bodies Dementia with Parkinsonism Lewy body dementia Lewy body disease
G20 Parkinson's disease
F02 Dementia in other diseases classified elsewhere
G31.89 Other specified degenerative diseases of nervous system
B20 Human immunodeficiency virus [HIV] disease Use additional code(s) to identify all manifestations of HIV infection
A52.17 General paresis Dementia paralytica
A81.00 Creutzfeldt-Jacob disease, unspecified
A81.01 Variant Creutzfeldt-Jacob disease vCJD
A81.89 Other Creutzfeldt-Jacob disease CJD Familial Creutzfeldt-Jacob disease Iatrogenic Creutzfeldt-Jacob disease Sporadic Creutzfeldt-Jacob disease Subacute spongiform encephalopathy (with dementia)