

Feasibility Assessment Dementia – Cognitive Assessment

A 2016 feasibility assessment was performed in order to assess the extent to which the required data are readily available or could be captured without undue burden and can be implemented for performance measurement.

Two entities participated in the Feasibility assessment for this measure.

- One participating entity is an Electronic Health Record (EHR) vendor that incorporates this measure as part of the Dementia Measures Group, included in the Physician Quality Reporting System program. The vendor's domain is primarily work with nursing home facilities.
- The second participating entity is a national network of 30 post-acute care facilities, across the United States. The sites within this network provide skilled nursing, long term care, rehabilitation and memory care to post-acute care patients.
- Two different EHR products were included in this assessment.

Feasibility Assessment results

All data elements for this measure are captured in the Electronic Health Record. The measure exceptions are the only data element not currently being captured in a structured format within the two EHR products assessed for feasibility. Exception information is extracted from documentation within the medical record, explaining why the patient did not receive the standard of care. Although this information is currently entered as text, it is identifiable in the medical record. Future iterations of vendor products will likely allow health care providers to collect exceptions information in a structured format. No modifications have been made to the measure, as the measure is feasible for implementation, as specified. Feasibility score cards and simulated test cases are attached, for review.

3b.3. Feasibility

eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element(s): Encounter, Performed: Psych Visit Diagnostic; Evaluation; Nursing Facility Visit; Care Services in LongTerm; Residential Facility; Home Healthcare Services; Patient Provider Interaction; Psych Visit Psychotherapy; Behavioral/Neuropsych Assessment; Occupational Therapy Evaluation; Office Visit; Outpatient Consultation			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	3	3	Data element exists in structured format in EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	3	3	The information is from the most authoritative source and is highly likely to be correct
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	2	3	Standards currently available, but not widely adopted
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	3	3	Requires no additional data entry from clinician solely for the quality measure and no EMR user interface changes. Data element is available as a byproduct of routine care

eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element(s): Diagnosis, Active: Dementia & Mental Degenerations, Severe Dementia			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	3	3	Data element exists in structured format in EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	3	3	The information is from the most authoritative source and is highly likely to be correct
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	3	3	Always coded in nationally accepted standard
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	3	3	Requires no additional data entry from clinician solely for the quality measure and no EMR user interface changes. Data element is available as a byproduct of routine care

eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element: Intervention, Performed: Cognitive Assessment, Palliative Care			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	2	3	Data element is required for certified EHR, but is not available in structured format in this EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	3	3	The information is from the most authoritative source and is highly likely to be correct. (e.g., laboratory test results transmitted directed from the laboratory information into the EHR).
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	2	3	Standards currently available, but not widely adopted
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	2	3	Additional time and effort over and above routine care is required but some perceived to be of benefit



eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element(s): Intervention, Performed not done: Medical Reason, Patient Reason			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	2	3	Data element is required for certified EHR, but is not available in structured format in this EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	3	3	The information is from the most authoritative source and is highly likely to be correct. (e.g., laboratory test results transmitted directed from the laboratory information into the EHR).
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	1	3	Standards currently available, but not widely adopted
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	2	3	Additional time and effort over and above routine care is required but some perceived to be of benefit

eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element(s): Risk Category Assessment: Standardized Tools for Assessment of Cognition			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	3	3	Data element exists in structured format in EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	3	3	The information is from the most authoritative source and is highly likely to be correct. (e.g., laboratory test results transmitted directed from the laboratory information into the EHR).
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	3	3	Always coded in nationally accepted standard
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	2	3	Additional time and effort over and above routine care is required but some perceived to be of benefit

eMeasure Title: Dementia: Cognitive Assessment (149)			
Data Element(s): Risk Category Assessment not done: Medical Reason, Patient Reason			
	Current	Future	Comments
	Feasible today up to 1 year	Feasible in 3- 5 years	
DATA AVAILABILITY: Is the data readily available in structured format , i.e., resides in fixed fields in EHRs?	2	3	Data element is required for certified EHR, but is not available in structure format in this EHR
DATA ACCURACY: What is the accuracy of the data element in EHRs under normal operating conditions? Are the data source and recorder specified?	2	3	The information may not be from the most authoritative source and/ or has a moderate likelihood of being correct. (e.g., self-report of a vaccination).
DATA STANDARDS: Is the data element coded using a nationally accepted terminology standard?	2	3	Standards currently available, but not widely adopted
WORKFLOW: Is the data captured during the course of care and fits the typical EHR workflow for that user?	2	3	Additional time and effort over and above routine care is required but some perceived to be of benefit

Bonnie Output, Screen Shots and Excel Summary

Dementia: Cognitive Assessment

 MEASURES 

UPLOAD

EXPECTED


STATUS

TEST PATIENTS

Dementia: Cognitive Assessment


CMS149v4

UPDATE

 100

PASS

32 /32



BONNIE: TEST PATIENT RESULTS BY MEASURE

Dementia: Cognitive Assessment

RESULT	CATEGORY
PASS	32 _{/32}
100%	Passing
100%	Coverage

PASS: [TESTBernard, Young](#)

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTFranklin, Udi](#)

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTJackson, Quin](#)

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTKessington, Penelope](#)

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTMoore, Natalia](#)

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTNolan, Manny

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTOppenheimer, Linda

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTStoger, Helena

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	1	1
✓	DENEXCEP	0	0

PASS: [TESTWalsch, Doug](#)

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTXu, Catalina](#)

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: [TESTYuzu, Bernard](#)

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTZulkie, Anna

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTBaggins, Yolanda

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTCorcoron, Xander

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTCharles, Xavia

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTCooper, Xenos

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	DENEX	0	0
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTValdez, Edith

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTArnold, Zelda

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTClay, Xander

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTDugger, Wade

Status	Population	Expected	Actual
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✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTIngrahm, Rianne

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTMadison, Nina

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTThompson, Greta

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTDavid, Zoe

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	1	1
✓	DENEXCEP	0	0

PASS: TESTEggerstrom, Arnold

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	1	1
✓	DENEXCEP	0	0

PASS: TESTArnold, Zack

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	1	1

PASS: TESTDouglas, Wendell

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	1	1
✓	DENEXCEP	0	0

PASS: TESTEldridge, Veronica

Status	Population	Expected	Actual
✓	IPP	0	0
✓	DENOM	0	0
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTFranks, Benjamin

Status	Population	Expected	Actual
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✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	1	1
✓	DENEXCEP	0	0

PASS: TESTHyatt, Michael

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTUrlacher, Frank

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

PASS: TESTZulkie, Anita

Status	Population	Expected	Actual
✓	IPP	1	1
✓	DENOM	1	1
✓	NUMER	0	0
✓	DENEXCEP	0	0

Case #	Age	Encounter	Dementia & Mental Degenerations Diagnosis	Assessments	Exception	IP	Denom	Den Excl	Num	Den Exception
1	40	0 during MP	Dementia & Mental Degenerations starts before MP	(none)	(none)	N	N	N/A	N	N
2	18	1 during MP	Dementia & Mental Degenerations starts before MP	(none)	(none)	N	N	N/A	N	N
3	20	1 before, 1 after MP	Dementia & Mental Degenerations starts before MP	(none)	(none)	N	N	N/A	N	N
4	25	1 before, 1 during MP	Dementia & Mental Degenerations starts before MP	(none)	(none)	N	N	N/A	N	N
5	30	1 during, 1 after MP	Dementia & Mental Degenerations starts before MP	Cognitive Assessment during one encounter (1st)	(none)	N	N	N/A	N	N
6	55	2 during MP	None	Cognitive Assessment during one encounter (2nd)	(none)	N	N	N/A	N	N
7	50	2 during MP	Dementia & Mental Degenerations starts during wrong encounter type (patient provider interaction at 2nd visit)	(none)	(none)	N	N	N/A	N	N
8	50	2 during MP	Dementia & Mental Degenerations ends before Occurrence A, Encounter Performed during MP	(none)	(none)	N	N	N/A	N	N
9	50	2 during MP	Dementia & Mental Degenerations starts after Occurrence A, Encounter Performed during MP	(none)	(none)	N	N	N/A	N	N
10	50	2 during MP	Dementia & Mental Degenerations starts after MP	Risk category assessment: Standardized Tools for Assessment of Cognition (result) during one encounter (1st)	(none)	N	N	N/A	N	N
11	65	2 during MP	Dementia & Mental Degenerations starts after encounter 1 and before encounter 2 (Occurrence A during MP)	(none)	(none)	Y	Y	N/A	N	N
12	60	2 during MP	Dementia & Mental Degenerations starts before encounter 1	Risk category assessment: Standardized Tools for Assessment of Cognition (result) > 12 months before 1st encounter	(none)	Y	Y	N/A	N	N
13	65	2 during MP	Dementia & Mental Degenerations starts before encounter 1	Cognitive Assessment at wrong encounter type (Not Occurrence A Encounter, Performed during MP)	(none)	Y	Y	N/A	N	N
14	60	2 during MP	Dementia & Mental Degenerations starts during encounter 2	Risk category assessment: Standardized Tools for Assessment of Cognition (result) after Occurrence A Encounter, Performed during MP	(none)	Y	Y	N/A	N	N
15	35	2 during MP	Dementia & Mental Degenerations starts before MP	Cognitive Assessment during one encounter (1st)	(none)	Y	Y	N/A	Y	N
16	40	2 during MP	Dementia & Mental Degenerations starts during encounter 2	Risk category assessment: Standardized Tools for Assessment of Cognition (result) during one encounter (2nd)	(none)	Y	Y	N/A	Y	N
17	50	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Severe Dementia starts during encounter 2 (Not occurrence A Encounter Performed during MP)	Y	Y	N/A	N	N
18	35	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Severe Dementia ends before the start of encounter 1 (Occurrence A Encounter Performed during MP)	Y	Y	N/A	N	N
19	60	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Severe Dementia starts before Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
20	75	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Risk Category Assessment not done: Medical Reason for Standardized tools for Assessment of cognition before Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	N
21	70	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Risk Category Assessment not done: Medical Reason for Standardized tools for Assessment of cognition after Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	N
22	75	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Risk Category Assessment not done: Medical Reason for Standardized tools for Assessment of cognition during Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
23	80	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Risk Category Assessment not done: Patient Reason for Standardized tools for Assessment of cognition during Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
24	85	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed: Palliative Care after encounter 2 (Occurrence A Encounter, Performed during MP)	Y	Y	N/A	N	N
25	90	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed: Palliative Care during Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
26	75	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed not done: Patient Reason for cognitive assessment before Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	N

Case #	Age	Encounter	Dementia & Mental Degenerations Diagnosis	Assessments	Exception	IP	Denom	Den Excl	Num	Den Exception
27	80	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed not done: Medical Reason for cognitive assessment after Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	N
28	80	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed not done: Medical Reason for cognitive assessment during Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
29	80	2 during MP	Dementia & Mental Degenerations starts before MP	(none)	Intervention, Performed not done: Patient Reason for cognitive assessment during Occurrence A Encounter, Performed during MP	Y	Y	N/A	N	Y
30	40	2 during MP	Dementia & Mental Degenerations starts during encounter 2	Risk category assessment: Standardized Tools for Assessment of Cognition (result) during one encounter (2nd)	(none)	Y	Y	N/A	Y	N
31	40	2 during MP	Dementia & Mental Degenerations starts during encounter 2	Risk category assessment: Standardized Tools for Assessment of Cognition (result) during one encounter (2nd)	(none)	Y	Y	N/A	Y	N
32	40	2 during MP	Dementia & Mental Degenerations starts during encounter 2	Risk category assessment: Standardized Tools for Assessment of Cognition (result) during one encounter (2nd)	(none)	Y	Y	N/A	Y	N