FOLLOW-UP VISIT PACKET UNIFORM DATA SET (UDS) VERSION 4.0



Examiner's

Form D1b: Etiological Diagnosis and Biomarker Support

Langu □1 Er □2 Sp	nglish	1 5 m date	/	Visit #: initi				
	INSTRUCTIONS : This form is to be completed by the clinician for all participants, including cognitively unimpaired. For additional clarification and examples, see UDS Coding Guidebook, Form D1b . Check only one box per question.							
	1. Were any biomarker results used to support the current etiological diagnosis? (Consider any biomarker results from any time that may be clinically relevant) O No (SKIP TO QUESTION 12) 1 Yes (CONTINUE TO QUESTION 2)							
Sect	tion 1 – Biomarkers and imaging							
diagr sourc not ir	olete this section if any of the following biomarker measunosis, including unimpaired individuals who have biomarles available and the related questions for each supporting attended to capture actual data values or register sample aused by the clinician (or at consensus) to inform an etiology.	ker characterizatior g data. Then comple availability; instead	n. Please complete ete Section 2: Eti	e the checklist below ological Diagnosis. T	for each data his section is			
Flui	ds							
	assessing the etiological diagnosis?	2 Yes, only CSF-ba	-based biomarker QUESTION 3, and a ased biomarkers	rs were used SKIP QUESTIONS 4 – 40 were used (SKIP TO QU biomarkers were used	JESTION 4)			
Please use the following questions to indicate the results of the fluid biomarker test(s) used by the clinican (or at consensus) to determine the etiological diagnosis at this visit.								
aeter	mine the etiological diagnosis at this visit.							
If a flo	mine the etiological diagnosis at this visit. uid biomarker was used to exclude an etiological diagnos stent with a diagnosis, select 1=Yes, consistent . If a fluid or more of the etiologies listed were not assessed using flu	biomarker was fou	nd to be indetern					
If a fluction	uid biomarker was used to exclude an etiological diagnos stent with a diagnosis, select 1=Yes, consistent . If a fluid	biomarker was fou	nd to be indeterrect 8 . Yes,					
If a fluctors one of	uid biomarker was used to exclude an etiological diagnos stent with a diagnosis, select 1=Yes, consistent . If a fluid or more of the etiologies listed were not assessed using flu	biomarker was fou uid biomarkers, sele No,	nd to be indeterrect 8 . Yes,	ninate, select 9 . In cas	es where Not			
If a fluctors one of	uid biomarker was used to exclude an etiological diagnos stent with a diagnosis, select 1=Yes, consistent . If a fluid or more of the etiologies listed were not assessed using flu ood-based biomarkers Consistent with AD	biomarker was fou uid biomarkers, sele No, inconsistent	nd to be indeterrect 8. Yes, consistent	Indeterminate	Not assessed			
If a fluctonsis one constant and a state of the constant a	uid biomarker was used to exclude an etiological diagnoss stent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluood-based biomarkers Consistent with AD	biomarker was fou uid biomarkers, sele No, inconsistent	rnd to be indeterrect 8. Yes, consistent	Indeterminate	Not assessed			
If a fluctonsis one c	uid biomarker was used to exclude an etiological diagnoss stent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD	biomarker was fou uid biomarkers, sele No, inconsistent 0 0	Yes, consistent	Indeterminate	Not assessed			
If a fluctonsione consider a second a s	uid biomarker was used to exclude an etiological diagnoss stent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD	biomarker was fou uid biomarkers, sele No, inconsistent 0 0 0	Yes, consistent	Indeterminate	Not assessed			
If a fluctonsione consider a second a s	uid biomarker was used to exclude an etiological diagnoss stent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluood-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD Consistent with other etiology (SPECIFY):	biomarker was fou uid biomarkers, sele No, inconsistent 0 0 0 No,	Yes, consistent 1 1 1 1 1 Yes,	Indeterminate	Not assessed			
If a fluctonsione of a sale and a sale a sal	uid biomarker was used to exclude an etiological diagnoss stent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluood-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD Consistent with other etiology (SPECIFY): SF-based biomarkers Consistent with AD	biomarker was fou aid biomarkers, selected biomarke	Yes, consistent Yes, consistent Yes, consistent Yes, consistent	Indeterminate 9 9 9 9 19 Indeterminate	Not assessed			
If a fluctonsione of a state of the state of	uid biomarker was used to exclude an etiological diagnosistent with a diagnosis, select 1=Yes, consistent. If a fluid or more of the etiologies listed were not assessed using fluood-based biomarkers Consistent with AD Consistent with FTLD Consistent with other etiology (SPECIFY): SF-based biomarkers Consistent with AD Consistent with AD	biomarker was fou aid biomarkers, seld No, inconsistent 0 0 0 0 No, inconsistent 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Yes, consistent Yes, consistent Yes, consistent 1 1 1 Yes, consistent	Indeterminate 9	Not assessed Not assessed Not assessed			

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Section 1 – Biomarkers and imaging continued								
lm	aging							
5.								
	Please use the following questions to indicate the results of the imaging used by the clinican (or at consensus) to determine the etiological diagnosis at this visit.							
diag	gnosis,	was used to exclude an etiological diagnosis, select select 1=Yes, consistent . If imaging was found to be not assessed using imaging, select 8 .						
6. F	PET/SF	PECT						
6		acer-based PET - Were tracer-based PET measures u fological diagnosis?	ised in assessing an	<u></u> 1	Yes, resul	TO QUESTION 6b) ts were normal or abr ts were indeterminate		
	If use	d in diagnosis, indicate the results:		No	Yes	Indeterminate	Not assessed	
	6a1.	Elevated Amyloid		О	□ 1	<u></u> 9	□8	
	6a2.	Elevated tau pathology		\Box_0	□ 1	<u> </u>	□ 8	
6	6b. FDG PET - Was FDG PET data or information used to support an etiological diagnosis?				□ 0 No (SKIP TO QUESTION 6c) □ 1 Yes, results were normal or abnormal □ 2 Yes, results were indeterminate			
			No, inconsistent		es, istent	Indeterminate	Not assessed	
	6b1.	Consistent with AD	□ ₀] 1	9	8	
	6b2.	Consistent with FTLD	\square_0	□ 1		□ 9	□8	
	6b3.	Consistent with LBD	□ ₀	□ 1		<u></u> 9	8	
	6b4.	Consistent with other etiology (SPECIFY):	О	□ 1		<u></u> 9	□8	
6c. Dopamine Transporter (DAT) Scan - Was DAT Scan data or information used to support an etiological diagnosis?								
6	6d. Other tracer-based imaging - Were other tracer-based imaging used to support an etiological diagnosis?							
			No, inconsistent		es, istent	Indeterminate	Not assessed	
	6d1.	Consistent with AD	О]1	<u></u> 9	□ 8	
	6d2.	Consistent with FTLD	□ ₀] 1	<u></u> 9	□ 8	
	6d3.	Consistent with LBD	\square_0		□ 1	<u></u> 9	□8	
	6d4.	Consistent with other etiology (SPECIFY):	\Box_0		□ 1	<u></u> 9	□8	

Form date: ____ / ____ / ____ ___ ___

Participant ID:

Section 1 – Biomarkers and imaging continued											
7. Stru	uctu	ral Ima	agin	g							
7a. Structural Imaging (i.e., MRI or CT) – Was structural imaging data or information used to support an etiological diagnosis? □ 0 No (SKIP TO QUESTION 8) □ 1 Yes, results were normal or ab □ 2 Yes, results were indeterminated.											
No, Yes, inconsistent consistent Indeterminate						Not assessed					
78	a1.	Atroph	y pat	tern consiste	ent with AD		□ ₀			<u> </u>	□8
78	a2.	Atroph	y pat	tern consiste	ent with FTLD		□ ₀] 1	<u></u> 9	□8
78	a3.	Consist	ent v	with Cerebro	vascular disease	(CVD)	□ ₀] 1	9	□8
		If there	is ev	ridence for C'	VD on imaging, i	ndicate th	e findings:	No	Yes	Indeterminate	Not assessed
	7a3	a. Lar	a. Large vessel infarct(s)					О	□ 1	<u></u> 9	□8
	7a3	a3b. Lacunar infarct(s)					О	□ ₁	<u></u> 9	□8	
	7a3c. Macrohemorrhage(s)					О	□ 1	<u></u> 9	□8		
	7a3	7a3d. Microhemorrhage(s)					О	□ 1	<u></u> 9	□8	
7a3e. White matter hyperintensity					О	□ 1	9	8			
		7a3	Be1.	1 Mode			tensity (CHS score 5 tensity (CHS score 7				
Othe	r bic	omark	cer r	nodalities	(e.g., tissues, s	skin, retii	nal imaging, etc.)			
					o indicate the res al diagnosis at thi		y additional bioma	rker mo	dalities u	sed by the clinician (o	rat
If a bio be con	mark sister	er mod	lality a dia	was used to ignosis, selec	exclude an etiolo t 1=Yes, consist	ogical diag ent . If a bi		d to be ir		biomarker modality v nate, select 9 . In cases	
SU	ıppor			modality - W ical diagnosi	/as another biom s?	narker mo	dality used to	1 ·	Yes, resul	TO QUESTION 11) ts were normal or abr ts were indeterminate	
							No, inconsistent		es, istent	Indeterminate	Not assessed
8a.	Con	sistent	with	AD			По] 1	<u>9</u>	□8
8b.	8b. Consistent with FTLD			□ ₀]1	<u></u> 9	□8			
8c.	Con	sistent	with	LBD			□0	□ 1		<u> </u>	□8
8d. Consistent with other etiology (SPECIFY):] 1	<u> </u>	□8			

____ Form date: ____ / ___ / ___ __ Visit #: __

Participant ID:

Participant ID: Form date:		_ / / _		Visit #:				
Sec	Section 1 – Biomarkers and imaging continued							
9.	Other biomarker modality - Was another biomarker module support an etiological diagnosis? (SPECIFY):	dality used to	1 Yes, resul	TO QUESTION 11) ts were normal or abr ts were indeterminate				
		Yes, consistent	Indeterminate	Not assessed				
98	a. Consistent with AD	О	□ 1	<u></u> 9	□8			
91	o. Consistent with FTLD	□ ₀	□ 1	9	□8			
9	c. Consistent with LBD	□0	□ 1	9	□8			
90	Consistent with other etiology (SPECIFY):	□0	□ 1	□ 9	□ 8			
10. Other biomarker modality - Was another biomarker mo support an etiological diagnosis?(SPECIFY):		dality used to	☐ 0 No (SKIP ☐ 1 Yes, resul☐ 2 Yes, resul☐ 2					
		No, inconsistent	Yes, consistent	Indeterminate	Not assessed			
10	a. Consistent with AD	□ ₀	□ 1	<u></u> 9	□ 8			
10	o. Consistent with FTLD	□ ₀	□ 1	<u></u> 9	□8			
10	c. Consistent with LBD	□ ₀	□ 1	9	□ 8			
100	Consistent with other etiology (SPECIFY):	О	□ 1	<u></u> 9	□8			
Supportive genetics								
11.	Is there an autosomal dominant pathogenic variant to sul diagnosis?	oport an etiological	1 Yes	n/Not disclosed				

Participant ID:	Form date:	/ /	Visit #:

Section 2 - Etiological diagnoses

Using all the available data (i.e. clinical, cognitive, biomarker, etc) please provide an etiological diagnosis. For those with no biomarker data, enter a **presumed** etiological diagnosis.

<u>Must be filled out for all participants</u>. Indicate whether a given condition is a primary, contributing, or non-contributing cause of the observed impairment, based on the clinician's best judgment. Select one or more etiological diagnoses from questions (*below*) as **Present**; all others will default to **Absent** in the NACC database. *Only one diagnosis should be selected as* **1 = Primary**.

<u>For unimpaired participants:</u> Proceed using your center's diagnostic philosophy to determine whether the etiology is present and primary, contributing, or non-contributing or leave the checkboxes blank.

	nary, contributing, or non-contributing or leave the che					Non-
	Etiological Diagnoses	Present		Primary	Contributing	contributing
12.	Alzheimer's disease	□ 1	12a.	□ 1	_2	3
13.	Lewy body disease	□ 1	13a.	□ 1	_2	3
14.	Frontotemporal lobar degeneration (FTLD)	□ 1				
	If present , select all that apply:					
	14a. Progressive supranuclear palsy (PSP)	□ 1	14a1.	□ 1	\square_2	3
	14b. Corticobasal degeneration (CBD)	□ 1	14b1.	□ 1	\square_2	3
	14c. FTLD with motor neuron disease	□ 1	14c1.	□ 1	\square_2	3
	14d. FTLD - not otherwise specified (NOS)	□ 1	14d1.	□ 1	\square_2	□ 3
	14e. If FTLD (QUESTION 14) is present, specify FTLD s 1 Tauopathy 2 TDP-43 proteinopathy 3 Other (SPECIFY): 9 Unknown	,,				
15.	Vascular brain injury (based on clinical and imaging evidence according to your Center's standards)	□ ₁	15a.	□ ₁	□ ₂	□3
16.	Multiple system atrophy	□ 1	16a.	□ 1	\square_2	3
17.	Chronic traumatic encephalopathy (CTE)	□ 1	17a.	□ 1	\square_2	3
	17b. If CTE (QUESTION 17) is present, specify certaint 1 Suggestive CTE 2 Possible CTE 3 Probable CTE	y:				
18.	Down syndrome	□ 1	18a.	□ 1	_2	3
19.	Huntington's disease	□ 1	19a.	□ 1	_2	3
20.	Prion disease (CJD, other)	□ 1	20a.	□ 1	_2	3
21.	Cerebral amyloid angiopathy	□ 1	21a.	□ 1	_2	3
22.	LATE: Limbic-predominant age-related TDP-43 encephalopathy	□ 1	22a.	□ ₁	<u></u>	3
23.	Other (SPECIFY):	□ 1	23a.	□ 1	_2	3

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