INITIAL VISIT PACKET UNIFORM DATA SET (UDS) VERSION 4.0



Examiner's

Form D1b: Etiological Diagnosis and Biomarker Support

ADRC: PTID: Form date: / Visit #: initials: Language:							
Sect	ion 1 – Biomarkers and imaging						
diagn sourc not in	olete this section if any of the following biomarker measu osis, including unimpaired individuals who have biomarl e available and the related questions for each supporting tended to capture actual data values or register sample a sed by the clinician (or at consensus) to inform an etiolog	ker characterization g data. Then comple availability; instead	. Please complete te Section 2: Eti	e the checklist below ological Diagnosis. T	for each data his section is		
Fluid	ds						
		2 Yes, only CSF-ba	based biomarker QUESTION 3, and s 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							
		e mana si omanie. Le	st(s) used by the	Cliffical (of at consen	sus) to		
deter	mine the etiological diagnosis at this visit. Iid biomarker was used to exclude an etiological diagnos Istent with a diagnosis, select 1=Yes, consistent. If a fluid It more of the etiologies listed were not assessed using flu	is, select 0=Not co biomarker was fou	nsistent . If a fluid nd to be indetern	biomarker was found	d to be		
If a fluctions one o	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	is, select 0=Not co biomarker was fou	nsistent . If a fluid nd to be indetern	biomarker was found	d to be es where		
If a fluctions one o	mine the etiological diagnosis at this visit. In this diagnosis at this visit. In this diagnosis, select 1=Yes, consistent. If a fluid is more of the etiologies listed were not assessed using fluod-based biomarkers	is, select 0=Not co biomarker was fou uid biomarkers, sele No,	nsistent. If a fluid nd to be indetern ect 8. Yes,	biomarker was found ninate, select 9 . In cas	d to be es where		
If a fluconsist one o	mine the etiological diagnosis at this visit. It did biomarker was used to exclude an etiological diagnosistent with a diagnosis, select 1=Yes, consistent. If a fluid in more of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD	is, select 0=Not co biomarker was fou aid biomarkers, sele No, inconsistent	nsistent. If a fluid nd to be indetern ect 8. Yes, consistent	biomarker was found ninate, select 9. In cas Indeterminate	to be es where Not assessed		
If a fluctonsis one of a. Blo	mine the etiological diagnosis at this visit. In this diagnosis at this visit. In this diagnosis, select 1=Yes, consistent. If a fluid is more of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD	is, select 0=Not con biomarker was found biomarkers, select No, inconsistent	resistent. If a fluid not to be indeterment 8. Yes, consistent	biomarker was found ninate, select 9 . In cas Indeterminate	Not assessed		
If a fluctonsis one of a. Blo	mine the etiological diagnosis at this visit. Itid biomarker was used to exclude an etiological diagnosistent with a diagnosis, select 1=Yes, consistent. If a fluid remore of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD Consistent with FTLD	is, select 0=Not cor biomarker was four uid biomarkers, select No, inconsistent	resistent. If a fluid not to be indeterment 8. Yes, consistent	I biomarker was found ninate, select 9 . In case in the select 9 . In cas	Not assessed		
deter If a flu consis one o 3. Blu 3a. 3b. 3c.	mine the etiological diagnosis at this visit. It did biomarker was used to exclude an etiological diagnosis stent with a diagnosis, select 1=Yes, consistent. If a fluid r more of the etiologies listed were not assessed using fluored-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD	is, select 0=Not con biomarker was found biomarkers, select No , inconsistent	resistent. If a fluid and to be indeterment 8. Yes, consistent	Indeterminate	Not assessed		
deter If a flu consis one o 3. Blu 3a. 3b. 3c.	mine the etiological diagnosis at this visit. Inid biomarker was used to exclude an etiological diagnosis stent with a diagnosis, select 1=Yes, consistent. If a fluid in more of the etiologies listed were not assessed using fluod-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD Consistent with other etiology (SPECIFY):	is, select 0=Not con biomarker was found biomarkers, select No, inconsistent	resistent. If a fluid and to be indeterment 8. Yes, consistent 1 1 1 1 1 Yes,	Indeterminate 9 9 9 9	Not assessed 8 8 8 8 8 Not		
deter If a flu consis one o 3. Blo 3a. 3b. 3c. 3d.	mine the etiological diagnosis at this visit. Itid biomarker was used to exclude an etiological diagnosistent with a diagnosis, select 1=Yes, consistent. If a fluid in more of the etiologies listed were not assessed using fluorod-based biomarkers Consistent with AD Consistent with FTLD Consistent with LBD Consistent with other etiology (SPECIFY):	is, select 0=Not con biomarker was found biomarkers, select No , inconsistent 0 0 0 0 No, 0 No, inconsistent	Yes, consistent Yes, consistent Yes, consistent Yes, consistent	Indeterminate 9 9 9 9 19 109	Not assessed Not assessed 8 8 8 Not assessed		
deter If a fluctonsis one of 3. Blo 3a. 3b. 3c. 3d.	mine the etiological diagnosis at this visit. It did biomarker was used to exclude an etiological diagnosistent with a diagnosis, select 1=Yes, consistent. If a fluid in more of the etiologies listed were not assessed using fluored-based biomarkers Consistent with AD Consistent with FTLD Consistent with other etiology (SPECIFY): F-based biomarkers Consistent with AD Consistent with AD Consistent with AD Consistent with FTLD	is, select 0=Not con biomarker was found biomarkers, select No , inconsistent \begin{align*} \textbf{No} \\ \textbf{Inconsistent} \\ \textbf	resistent. If a fluid and to be indeterment 8. Yes, consistent 1 1 1 Yes, consistent	Indeterminate 9 9 9 9 19 19	Not assessed Not assessed 8 8 8 Not assessed 8		

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Sec	tion	1 – Biomarkers and imaging					continued	
Imaging								
5.	5. Imaging – Was imaging used for assessing etiological diagnosis? O No (SKIP TO QUESTION 8) 1 Yes, only PET/SPECT imaging was used (CONTINUE TO QUESTION 6, and SKIP QUESTION 7) 2 Yes, only MR imaging was used (SKIP TO QUESTION 7) 3 Yes, both PET/SPECT and MR imaging were used							
	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. P	ET/SF	PECT						
6		acer-based PET - Were tracer-based PET measures u ological diagnosis?	sed in assessing an	1	Yes, resul	TO QUESTION 6b) ts were normal or abr ts were indeterminate		
If used in diagnosis, indicate the results:				No	Yes	Indeterminate	Not assessed	
	6a1.	Elevated Amyloid		\square_0	□ ₁	<u></u> 9	□8	
	6a2.	Elevated tau pathology		□ ₀	□ 1	<u></u> 9	□ 8	
6b. FDG PET - Was FDG PET data or information used to sup etiological diagnosis?		ipport an	□ o 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	□ ₀			<u></u> 9	□8	
	6b3.	Consistent with LBD	□ ₀			<u></u> 9	□8	
	6b4.	Consistent with other etiology (SPECIFY):	□ ₀	□ ₁		<u></u> 9	□8	
			Yes, resul	ts were normal or abr				
Other tracer-based imaging - Were other tracer-based support an etiological diagnosis?(SPECIFY):		d imaging used to	0 No (SKIP TO QUESTION 7a) 1 Yes, results were normal or abno					
			No,		es,	la data	Not	
	د ما ۱	Consistant with AD	inconsistent		istent	Indeterminate	assessed	
	6d1.	Consistent with AD	□ ₀	_] 1	<u></u> 9	∐8 □-	
	6d2.	Consistent with LRD	∐ ₀		」 1	<u></u> 9	□8	
	6d3.	Consistent with LBD	□ 0		」 1	<u></u> 9	∐8	
	6d4.	Consistent with other etiology (SPECIFY):	□ ₀]1	9	8	

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

Participant ID:

Section 1 – Biomarkers and imaging continued								
7. Structural Imaging								
7a. Structural Imaging (i.e., MRI or CT) – Was structural iminformation used to support an etiological diagnosis?				imaging data or	□ 0 No (SKIP TO QUESTION 8) □ 1 Yes, results were normal or abnorma □ 2 Yes, results were indeterminate			
				No, inconsistent	Yes, consistent		Indeterminate	Not assessed
78	7a1. Atrophy pattern consistent with AD		\Box_0	□ ₁		9	□8	
78	a2. /	Atrophy pat	tern consistent with FTLD	□o	□ 1		9	8
78	a3. (Consistent v	with Cerebrovascular disease (CVD)	□ ₀		□ ₁ □ ₉		8
	ŀ	f there is ev	vidence for CVD on imaging, indicate th	ne findings:	No	Yes	Indeterminate	Not assessed
	7a3a	a. Large v	essel infarct(s)		□ ₀	□ 1	9	□8
	7a3k	c. Lacunai		О	□ 1	9	8	
	7a3	c. Macroh	nemorrhage(s)		□ ₀	□ 1	9	□8
	7a3c	d. Microhe		\Box_0	□ 1	9	□8	
	7a3e. White matter hyperintensity				□o	□ 1	9	□ 8
		7a3e1.	If Yes , choose the severity: 1 Moderate white-matter hyperin 2 Extensive white-matter hyperin					
Othe	r bio	marker n	nodalities (e.g., tissues, skin, reti	nal imaging, etc.)			
			g questions to indicate the results of ar	ny additional bioma	rker mod	dalities u	sed by the clinician (o	r at
consensus) to support the etiological diagnosis at this visit. If a biomarker modality was used to exclude an etiological diagnosis, select 0=Not consistent . If a biomarker modality was found to be consistent with a diagnosis, select 1=Yes, consistent . If a biomarker was found to be indeterminate, select 9 . In cases where one or more of the etiologies listed were not assessed using a biomarker modality, select 8 .								
8. Other biomarker modality - Was another biomarker modality used to support an etiological diagnosis? (SPECIFY): 0 No (SKIP TO QUESTION 11) 1 Yes, results were normal or abnormal 2 Yes, results were indeterminate								
				No, inconsistent		es, istent	Indeterminate	Not assessed
8a.	Cons	sistent with	AD	□0] 1	□ 9	□ 8
8b.	Cons	sistent with	FTLD	□ ₀] 1	<u></u> 9	8
8c.	Cons	sistent with	LBD	□0] 1	<u></u> 9	□8
8d.	Cons	sistent with	other etiology (SPECIFY):	□ ₀]1	<u></u> 9	□8

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

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9. O	on 1 – Biomarkers and imaging ther biomarker modality - Was another biomarker n upport an etiological diagnosis? EPECIFY):	continued O No (SKIP TO QUESTION 11) 1 Yes, results were normal or abnormal 2 Yes, results were indeterminate						
		No, inconsistent	Yes, consistent	Indeterminate	Not assessed			
9a.	Consistent with AD	О	□ 1	<u></u> 9	□8			
9b.	Consistent with FTLD	О	□ 1	9	□8			
9c.	Consistent with LBD	□o	□ 1	<u></u> 9	8			
9d.	Consistent with other etiology (SPECIFY):	o	□ 1	<u></u> 9	□8			
10. Other biomarker modality - Was another biomarker mod support an etiological diagnosis? (SPECIFY):		nodality used to	□ 0 No (SKIP TO QUESTION 11) □ 1 Yes, results were normal or abnormal □ 2 Yes, results were indeterminate					
		No, inconsistent	Yes, consistent	Indeterminate	Not assessed			
10a.	Consistent with AD	О	□ 1	9	□8			
10b.	Consistent with FTLD	О	□ 1	<u></u> 9	□8			
10c.	Consistent with LBD	О	□ 1	9	□8			
10d.	Consistent with other etiology (SPECIFY):	О	□ ₁	<u></u> 9	8			
	Supportive genetics							
Supp	ortive genetics							

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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.

	Etiological Diagnoses	Present		Primary	Contributing	Non- 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	2	3
	14b. Corticobasal degeneration (CBD)	□ 1	14b1.	1	_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	<u></u>	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	\square_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		22a.	□ 1	_2	3
23.	Other (SPECIFY):	□ 1	23a.	□ 1	\square_2	□ 3

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