## INITIAL VISIT PACKET UNIFORM DATA SET (UDS) VERSION 4.0



## Form D1b: Biomarkers used to support Etiological Diagnosis

ADRC:		PTID:		Form date:	//_		Visit #	t:	Examiner's initials:		
□1 E	uage: English Spanish	Mode: □ 1 In-person □ 2 Remote (reason): □ 1 Telephone □ 2 Video	Key (remo	3=Ho	physically impo mebound or nur used in-person	nired sing home					
<b>INSTRUCTIONS</b> : This form is to be completed by the clinician for all participants, including cognitively unimpaired. For additional clarification and examples, see <b>UDS Coding Guidebook</b> for <b>Form D1b</b> . Check only one box per question.											
1.	1. Were any biomarker results used to support the current etiological diagnosis?  (Consider any biomarker results from any time that may be clinically relevant)  □ 0 No (SKIP TO QUESTION 12) □ 1 Yes (CONTINUE TO QUESTION 2)										
Section 1 – Biomarkers and imaging											
Complete this section if any of the following biomarker measures were used to <u>support or exclude</u> a presumed etiological diagnosis, including unimpaired individuals who have biomarker characterization. Please complete the checklist below for each data source available and the related questions for each supporting data. Then complete <b>Section 2: Etiological Diagnosis</b> . This section is not intended to capture actual data values or register sample availability; instead this section's purpose is to record what information was used by the clinician (or at consensus) to inform an etiological diagnosis.											
Flui	ids										
2.		d Biomarkers – Were fluid biomarkers used for ssing the etiological diagnosis?  1 Yes, only blood-based biomarkers were used (CONTINUE TO QUESTION 3, and SKIP QUESTIONS 4 – 4d) 2 Yes, only CSF-based biomarkers were used (SKIP TO QUESTION 4) 3 Yes, both blood- and CSF-based biomarkers were used									
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.											
If a fluid biomarker was used to exclude an etiological diagnosis, select <b>0=No</b> . If a fluid biomarker was found to be consistent with a diagnosis, select <b>1=Yes</b> . If a fluid biomarker was found to be indeterminate, select <b>9</b> . In cases where one or more of the etiologies listed were not assessed using fluid biomarkers, leave the row blank and this will default to <b>Not Applicable</b> in the NACC database.											
3. Blood-based biomarkers							No	Yes	Indeterminate		
	3a.	Consistent with AD					□ <sub>0</sub>	□ 1	9		
	3b.	b. Consistent with FTLD					□ <sub>0</sub>	□ 1	9		
	3c.	3c. Consistent with LBD					$\Box_0$	□ 1	<u></u> 9		
	3d. Consistent with other etiology (SPECIFY):							□ 1	<u></u> 9		
4. CSF-based biomarkers							No	Yes	Indeterminate		
	4a.	a. Consistent with AD					□ <sub>0</sub>	<u> </u>	9		
	4b.	4b. Consistent with FTLD					О	<u> </u>	9		
	4c.	Consistent with LBD					$\Box_0$	□ 1	9		
	4d.	4d. Consistent with other etiology (SPECIFY):						□ 1	9		

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Section 1 – Biomarkers and imaging continued										
Imaging										
	<b>lmagi</b> diagn	i <b>ng</b> – V osis?	sed (SKIP	used KIP QUESTIONS 7 – 7a3f) KIP TO QUESTION 7) ging 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.									
If imaging was used to exclude an etiological diagnosis, select <b>0=No</b> . If imaging was found to be consistent with a diagnosis, select <b>1=Yes</b> . If imaging was found to be indeterminate, select <b>9</b> . In cases where one or more of the etiologies listed were not assessed using imaging, leave the row blank and this will default to <b>Not Applicable</b> in the NACC database.										
6. PE	ET/SP	ECT								
	6a.		iological diagnosis?	0 No ( <b>SKIP TO QUESTION 6b</b> ) 1 Yes, results were normal or abnormal 2 Yes, results were indeterminate						
		If use	d in diagnosis, indicate the results:	No	Yes	Indeterminate				
		6a1.	Elevated Amyloid	О	□ 1	9				
		6a2.	Elevated tau pathology	□ <sub>0</sub>	□ 1	9				
	<b>6b. FDG PET</b> - Was FDG PET data or information use etiological diagnosis?		ogical diagnosis?	results we	IP TO QUESTION 6c) sults were normal or abnormal sults were indeterminate					
				No	Yes	Indeterminate				
		6b1.	Consistent with AD	□ <sub>0</sub>	□ 1	9				
	<ul><li>6b2. Consistent with FTLD</li><li>6b3. Consistent with LBD</li></ul>		Consistent with FTLD	□ <sub>0</sub>	□ 1	<u> </u>				
			Consistent with LBD	О	□ 1	9				
		6b4.	Consistent with other etiology (SPECIFY):	□0	□ <sub>1</sub>	9				
				o s, results were normal or abnormal s, results were indeterminate						
	6d. Other tracer-based imaging - Were other trace to support an etiological diagnosis? (SPECIFY):		pport an etiological diagnosis?	<ul> <li>No (SKIP TO QUESTION 7a)</li> <li>Yes, results were normal or abnormal</li> <li>Yes, results were indeterminate</li> </ul>						
				No	Yes	Indeterminate				
		6d1.	Consistent with AD	О		9				
		6d2.	Consistent with FTLD	□ <sub>0</sub>	□ <sub>1</sub>	9				
6d3.		6d3.	Consistent with LBD	□ <sub>0</sub>	□ 1	9				
		6d4.	Consistent with other etiology (SPECIFY):	□0	□ 1	<u></u> 9				

Participant ID: \_\_\_\_\_ Form date: \_\_\_ / \_\_\_ / \_\_\_ / \_\_\_ \_\_ Visit #: \_\_

Section 1 – Biomarkers and imaging continued										
7. Structural Imaging										
7.50		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 abnormal 2 Yes, results were indeterminate					
					N	Ye	es	Indeterminate		
		7a1.	Atro	phy pattern consistent with AD		0 [	]1	<u></u> 9		
	<b>7a2.</b> Atrophy			phy pattern consistent with FTLD		0 [	]1	<u></u> 9		
	<b>7a3.</b> Con		Cons	sistent with Cerebrovascular disease (CVD)		0 [	]1	<u></u> 9		
		lf t	here	is evidence for CVD on imaging, indicate the findings:						
	7a3a.			Large vessel infarct(s)		0 [	]1	<u></u> 9		
7a3b.			3b.	Lacunar infarct(s)		0 [	]1	<u></u> 9		
7a3c.			a3c.	Macrohemorrhage(s)		0 [	]1	<u></u> 9		
7a3d.			a3d.	Microhemorrhage(s)		0 [	]1	<u></u> 9		
7a3e.			a3e.	Moderate white-matter hyperintensity (CHS score 5-6)		0 [	]1	<u></u> 9		
	<b>7a3f.</b> Extensive white–matter hyperintensity (CHS score 7–8+)					0 [	]1	<u></u> 9		
Oth	er bi	omai	rker	modalities (e.g., tissues, skin, retinal imaging, etc.)						
	Please use the following questions to indicate the results of any additional biomarker modalities used by the clinician (or at									
consensus) to support the etiological diagnosis at this visit.  If a biomarker modality was used to exclude an etiological diagnosis, select <b>0=No.</b> If a biomarker modality was found to be consistent with a diagnosis, select <b>1=Yes</b> . If a biomarker modality was found to be indeterminate, select <b>9</b> . In cases where one or more of the etiologies listed were not assessed using a biomarker modality, leave the row blank and this will default to <b>Not Applicable</b> in the NACC database.										
!	8. Other biomarker modality - Was another biomarker modality used to support an etiological diagnosis? (SPECIFY):				<ul> <li>□ 0 No (SKIP TO QUESTION 11)</li> <li>□ 1 Yes, results were normal or abnormal</li> <li>□ 2 Yes, results were indeterminate</li> </ul>					
					N	) Ye	es	Indeterminate		
	8a.	Consi	stent	with AD		0 [	]1	9		
	8b.	Consi	stent	with FTLD		0 [	]1	<u></u> 9		
	8c. Consisten					0 [	]1	<u></u> 9		
	8d. Consistent with other etiology (SPECIFY):			o L	1	<u></u> 9				
!	Other biomarker modality - Was another biomarker modality used to support an etiological diagnosis? (SPECIFY):			<ul> <li>No (SKIP TO QUESTION 11)</li> <li>Yes, results were normal or abnormal</li> <li>Yes, results were indeterminate</li> </ul>						
					N	Ye	es	Indeterminate		
	9a.	Consi	stent	with AD		0	]1	9		
	9b. Consisten		stent	with FTLD		0 [	]1	<u></u> 9		
9c. Consistent with L					0 [	]1	<u></u> 9			
	9d. Consistent with other etiology (SPECIFY):					0	]1	<u></u> 9		

\_\_\_\_ Form date: \_\_\_\_ / \_\_\_ / \_\_\_ / \_\_\_ \_\_\_ Visit #:

Participant ID: \_\_\_

Sec	ction	1 – Biomarkers and imaging						continued	
10.	supp	r biomarker modality - Was another biomarker nort an etiological diagnosis? CIFY):	nodality used t	0	□ 0 No ( <b>SKIP TO QUESTION 11</b> ) □ 1 Yes, results were normal or abnormal □ 2 Yes, results were indeterminate				
						No	Yes I	ndeterminate	
	10a.	Consistent with AD				$\Box_0$		9	
	10b.	Consistent with FTLD				$\Box_0$		9	
	10c.	Consistent with LBD				$\Box_0$		9	
	10d.	Consistent with other etiology (SPECIFY):				□ <sub>0</sub>	□ 1	9	
Su	pport	tive genetics							
11.	Is the diagn	re an autosomal dominant pathogenic variant to losis?	support an etic	iological			disclosed		
Sec	ction	2 – Etiological diagnoses							
Musthe Pres	a, enter st be fi observ sent; al unimp	the available data (i.e. clinical, cognitive, biomarker, en a presumed etiological diagnosis.  Illed out for all participants. Indicate whether a goved impairment, based on the clinician's best judgood of the NACC database of the presence of any entired participants:  Indicate the presence of any entire the diagnosis was primary, contributing, or non-	iven condition ment. Select or ase. <i>Only one di</i> etiological diag	is a prim ne or mo <i>agnosis s</i> gnoses by	ary, contrik re etiologic hould be se	outing, or al diagno lected as	non-contril ses from qu 1 = <b>Primary</b>	outing cause of uestions (below) as	
		Etiological Diagnoses	Present		Primary	Cont	ributing	Non- contributing	
12.	Alzhe	imer's disease	□ 1	12a.	1	[	2	3	
13.	Lewy	body disease	□ 1	13a.	<u> </u>	[	2	3	
14.	Front	otemporal lobar degeneration	<u> </u>	14a.	<u> </u>	[	2	3	
	If pre	sent, select one:							
	1	<b>4b1.</b> Progressive supranuclear palsy (PSP)	□ 1	14b1a.	□ 1	[	2	3	
	1	<b>4b2.</b> Corticobasal degeneration (CBD)	□ 1	14b2a.	□ 1	[	2	□ 3	
	1	<b>4b3.</b> FTLD with motor neuron disease	□ 1	14b3a.	□ 1	[	2	□ 3	
	1	<b>4b4.</b> FTLD - not otherwise specified (NOS)	□ 1	14b4a.	□ 1	[	2	3	
		If FTLD (QUESTION 13) is present, specify FTLD su  1 Tauopathy 2 TDP-43 proteinopathy 3 Other (SPECIFY): 9 Unknown	btype:						
15.		ılar brain injury (based on clinical and imaging nce according to your Center's standards)	□ 1	15a.	□ 1	[	2	3	
16.	Multi	ple system atrophy	□ 1	16a.	□ 1	[	2	□ 3	
17.	Chron	nic traumatic encephalopathy	□ 1	17a.	□ 1	[	2	□ 3	
18.	Dowr	n syndrome	□ 1	18a.	□ 1	[	2	□ 3	
19.	Hunti	ngton's disease	□ 1	19a.	□ 1	[	2	□ 3	
20.	Prion	disease (CJD, other)	<u> </u>	20a.	<u> </u>	[	2	□ 3	
21.	Cerek	oral amyloid angiopathy	□ 1	21a.	□ 1	[	2	□ 3	
22.		Limbic-predominant age-related TDP-43 phalopathy	□ 1	22a.		[	2	<u></u> 3	
22	-	(SDECIEV).	П.	232		Г	7.		

Form date: \_\_\_\_ / \_\_\_ / \_\_\_\_ / \_\_\_

Participant ID: