INITIAL VISIT PACKET UNIFORM DATA SET (UDS) VERSION 4.0



Form D1b: Biomarkers used to support Etiological Diagnosis

ADRC	:	PTID:		Form date:	//	Visit :	#:	Examiner's initials:			
□ ₁	juage: English Spanish	Mode: □ 1 In-person □ 2 Remote (reason): □ 1 Telephone □ 2 Video	Key (remo	3=Homebo	itively impaired ically impaired und or nursing ho in-person visit	ome					
		IONS: This form is to be completed by the and examples, see UDS Coding Guid					aired. F	or additional			
1.		any biomarker results used to suppor ider any biomarker results from any tim			is? [QUESTION 12) JE 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 Section 2: Etiological Diagnosis . 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.											
Fluids											
2.	. Fluid Biomarkers – Were fluid biomarkers used for assessing the etiological diagnosis? □ No (SKIP TO QUESTION 5) □ 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, 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 0=No . If a fluid biomarker was found to be consistent with a diagnosis, select 1=Yes . If a fluid biomarker was found to be indeterminate, select 9 . 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 Not Applicable in the NACC database.											
3. E	Blood-	based biomarkers				No	Yes	Indeterminate			
	3a.	Consistent with AD				□o	□ 1	9			
	3b.	Consistent with FTLD				□ ₀	□ 1	9			
	3c.	Consistent with LBD				\square_0	□ 1	9			
	3d.	Consistent with other etiology (SPEC	IFY):			О		<u></u> 9			
4. CSF-based biomarkers						No	Yes	Indeterminate			
	4a.	Consistent with AD				□ ₀	1	9			
	4b.	Consistent with FTLD				□ ₀		9			
	4c.	Consistent with LBD				\Box_0	□ ₁	9			
	4d.	Consistent with other etiology (SPEC	О	□ 1	9						

NATIONAL ALZHEIMER'S COORDINATING CENTER naccmail@uw.edu naccdata.org

Sec	tion	1 – B	omarkers and imaging					continued		
lma	aging									
5.	Imag diagn		Vas imaging used for assessing etiological	□ 0 No (SKIP TO QUESTION 8) □ 1 Yes, only PET/SPECT imaging was used (CONTINUE TO QUESTION 6, and SKIP QUESTIONS 7 – 7a3f) □ 2 Yes, only MR imaging was used (SKIP TO QUESTION 7) □ 3 Yes, PET/SPECT and MR imaging were used						
			llowing questions to indicate the results of osis at this visit.	the imaging used by th	e clinican (or a	at cons	ensus) t	o determine the		
If imaging was used to exclude an etiological diagnosis, select 0=No . If imaging was found to be consistent with a diagnosis, select 1=Yes . If imaging was found to be indeterminate, select 9 . In cases where one or more of the etiologies listed were not assessed using imaging, leave the row blank and this will default to Not Applicable in the NACC database.										
6. PET/SPECT										
	6a.		er-based PET - Were tracer-based PET meas iological diagnosis?	sures used in assessing	1 Yes, resu	0 No (SKIP TO QUESTION 6b) 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			О	□ 1	9		
	6b. FDG PET - Was FDG PET data or information use etiological diagnosis?		d to support an	1 Yes, resu	P TO QUESTION 6c) ults were normal or abnormal ults were indeterminate					
						No	Yes	Indeterminate		
		6b1.	Consistent with AD			\square_0	□ 1	9		
		6b2.	Consistent with FTLD			\square_0		<u></u> 9		
		6b3.	Consistent with LBD			□ ₀	□ 1	9		
		6b4.	Consistent with other etiology (SPECIFY):			\square_0	□ 1	<u></u> 9		
	6c. Dopamine Transporter (DAT) Scan - Was DAT S information used to support an etiological diagr					sults were normal or abnormal sults were indeterminate				
	6d. Other tracer-based imaging - Were other trace to support an etiological diagnosis? (SPECIFY):		r-based imaging used	1 Yes, resu	(SKIP TO QUESTION 7a) s, results were normal or abnormal s, results were indeterminate					
						No	Yes	Indeterminate		
		6d1.	Consistent with AD			О		9		
		6d2.	Consistent with FTLD			О		<u></u> 9		
		6d3.	Consistent with LBD			О		<u></u> 9		
		6d4.	Consistent with other etiology (SPECIFY):			О		<u></u> 9		

Participant ID: _____ Form date: ___ / ___ / ___ / ___ __ Visit #: __

Sect	ion	1 _ Ri	oma	arkers and imaging				continued		
								commuca		
7.50			tural	Imaging (i.e., MRI or CT) – Was structural imaging data or n 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		
		7a2.	Atro	phy pattern consistent with FTLD		0 []1	<u></u> 9		
		7a3.	Cons	sistent with Cerebrovascular disease (CVD)		0 []1	<u></u> 9		
		lf t	here	is evidence for CVD on imaging, indicate the findings:						
		78	a3a.	Large vessel infarct(s)		0 []1	<u></u> 9		
		7a	3b.	Lacunar infarct(s)		0 []1	<u></u> 9		
		78	а3с.	Macrohemorrhage(s)		0 []1	<u></u> 9		
		78	a3d.	Microhemorrhage(s)		0 []1	<u></u> 9		
		78	a3e.	Moderate white-matter hyperintensity (CHS score 5-6)		0 []1	<u></u> 9		
	7a3f. Extensive white–matter hyperintensity (CHS score 7–8+)					0 []1	<u></u> 9		
Other biomarker 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 0=No. If a biomarker modality was found to be consistent with a diagnosis, select 1=Yes . If a biomarker modality was found to be indeterminate, select 9 . 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 Not Applicable in the NACC database.										
8. Other biomarker modality - Was another biomarker modality used to support an etiological diagnosis? (SPECIFY): 1 Yes, results were normal 2 Yes, results were indeted.					al or abnormal					
					N) Ye	es	Indeterminate		
	8a.	Consi	stent	with AD		0 []1	9		
	8b.	Consi	stent	with FTLD		0 []1	<u></u> 9		
	8c.			with LBD		0 []1	<u></u> 9		
	8d.	Consi	stent	with other etiology (SPECIFY):		o L	1	<u></u> 9		
!	suppo	ther biomarker modality - Was another biomarker modality used to upport an etiological diagnosis? SPECIFY):			 0 No (SKIP TO QUESTION 11) 1 Yes, results were normal or abnormal 2 Yes, results were indeterminate 					
					N	Ye	es	Indeterminate		
	9a.	Consistent with AD		with AD		0]1	9		
	9b.	Consi	stent	with FTLD		0 []1	<u></u> 9		
	9c.			with LBD		0 []1	<u></u> 9		
	9d.	Consi	stent	with other etiology (SPECIFY):		0]1	<u></u> 9		

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

Participant ID: ___

Se	ction 1 – Biomarkers and imaging						continued		
10.		modality used t	o	0 No (SKIP TO QUESTION 11) 1 Yes, results were normal or abnormal 2 Yes, results were indeterminate					
							ndeterminate		
	10a. Consistent with AD]1	<u></u> 9		
	10b. Consistent with FTLD]1	<u> </u>		
	10c. Consistent with LBD]1	<u> </u>		
	10d. Consistent with other etiology (SPECIFY):				□₀ □]1	<u></u> 9		
Su	pportive genetics								
11.	Is there an autosomal dominant pathogenic variant to diagnosis?	support an etic	t an etiological						
Se	ction 2 – Etiological diagnoses								
Usir	ng all the available data (i.e. clincial, cognitive, biomarker, e	etc) please provi	de an etic	ological dia	gnosis. For the	ose with n	o biomarker		
Mu the Pre For	a, enter a presumed etiological diagnosis. St be filled out for all participants. Indicate whether a gobserved impairment, based on the clinician's best judgosent; all others will default to Absent in the NACC database unimpaired participants: Indicate the presence of any whether the diagnosis was primary, contributing, or non	iment. Select or ase. <i>Only one di</i> etiological diag	ne or mo <i>agnosis s</i> gnoses by	re etiologic hould be se	cal diagnoses elected as 1 =	from que Primary.	estions (below) as		
	Etiological Diagnoses		Primary	Contribu	ıting	Non- contributing			
12.	Alzheimer's disease	<u> </u>	12a.	1	2		□ 3		
13.	Lewy body disease	□ 1	13a.	1	_2		3		
14.	Frontotemporal lobar degeneration	□ 1	14a.	<u> </u>	2		3		
	If present , select one:								
	14b1. Progressive supranuclear palsy (PSP)	□ 1	14b1a.	□ 1	_2		□ 3		
	14b2. Corticobasal degeneration (CBD)	□ 1	14b2a.	□ 1	2		□ 3		
	14b3. FTLD with motor neuron disease	□ 1	14b3a.	□ 1	2		□ 3		
	14b4. FTLD - not otherwise specified (NOS)	□ 1	14b4a.	□ 1	_2		□ 3		
	14c. If FTLD (QUESTION 13) is present, specify FTLD su 1 Tauopathy 2 TDP-43 proteinopathy 3 Other (SPECIFY): 9 Unknown	ubtype:							
	Vascular brain injury (based on clinical and imaging	_							
15.	evidence according to your Center's standards)	<u></u> 1	15a.	□ 1	2		3		
15. 16.		□ ₁	15a. 16a.	□1 □1	□2 □2		3		
	evidence according to your Center's standards)								
16.	evidence according to your Center's standards) Multiple system atrophy	□ 1	16a.	□ 1	2		<u></u> 3		
16. 17.	evidence according to your Center's standards) Multiple system atrophy Chronic traumatic encephalopathy	□1 □1	16a. 17a.	□1 □1	2 2		□ 3 □ 3		
16. 17. 18.	evidence according to your Center's standards) Multiple system atrophy Chronic traumatic encephalopathy Down syndrome	□1 □1 □1	16a. 17a. 18a.		2 2 2		3 3 3		
16. 17. 18. 19.	evidence according to your Center's standards) Multiple system atrophy Chronic traumatic encephalopathy Down syndrome Huntington's disease	□1 □1 □1	16a. 17a. 18a. 19a.	□1 □1 □1	2 2 2		3 3 3 3		
16. 17. 18. 19. 20.	evidence according to your Center's standards) Multiple system atrophy Chronic traumatic encephalopathy Down syndrome Huntington's disease Prion disease (CJD, other)		16a. 17a. 18a. 19a. 20a.	1 1 1 1	2 2 2 2		3 3 3 3 3		

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

Participant ID: