INITIAL VISIT PACKET UNIFORM DATA SET (UDS) VERSION 4.0



Biological and Clinical Staging

In-person \Box	Remote	
ADRC name:	Participant ID:	Form date: / / /
Visit #:	Examiner's initials:	Language: English Spanish
INSTRUCTIO	NS : This form is based on the Revised criteria for	diagnosis and staging of Alzheimer's disease: Alzheimer's Association

Workgroup (2024). This form is to be completed by the clinician for all participants, including cognitively unimpaired.

Section 1 - Categorization of fluid analyte and imaging biomarkers

Biomarkers are categorized in this section based on four criteria:

- 1. Identify three broad mechanistic groupings
- 2. Subclassify based on the proteinopathy or pathophysiologic pathway that each biomarker measures (e.g., A,T,N, etc.)
- 3. Within the Core category, distinguish between Core 1 and Core 2 biomarkers
- 4. Imaging and fluid analyte biomarkers are listed separately within each category

Biomarker Category	CSF or plasma analytes	Imaging		
Core Biomarkers				
Core 1				
A (Aβ proteinopathy)		Amyloid PET		
and	Were plasma biomarkers used in the etiologic diagnosis?	Was Amyloid PET used in the etiologic diagnosis?		
T ₁ (phosphorylated and secreted AD tau)	□ 0 No (SKIP TO QUESTION 2) □ 1 Yes If yes, select all plasma biomarkers that were	☐ 0 No (SKIP TO QUESTION 4) ☐ 1 Yes		
	used:			
	1a. \square_1 p-tau 217 If checked:	3a. Amyloid PET result:		
	1a1. p-tau 217 result	□ 0 Not elevated □ 1 Elevated		
	□ 0 Normal □ 1 Abnormal	3b. How were amyloid PET results obtained (select all that apply)?		
	1a2. Where were the p-tau 217 values used in the diagnosis analyzed?	☐ 1 Visual read ☐ 1 Quantitative		
	2 Analyzed by NCKAD 2 Analyzed in-house or elsewhere	3c. Where were amyloid PET results		
	1b.	obtained?		
	1b1. %p-tau 217 result □ o Normal □ 1 Abnormal	\square 2 Local or other interpretation (e.g., SCAN, other clinical trials)		
	*%p-tau values not currently analyzed by NCRAD; only available in-house or elsewhere			

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

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Section 1 – Categorizati	on of fluid analyte and imaging biomarke
A (Aβ proteinopathy)	1c. 🔲 1 Other plasma biomarker (SPECIFY):
and	1c2. Other plasma biomarker result:
T ₁ (phosphorylated and secreted AD tau)	□ 0 Normal □ 1 Abnormal
	1c3. Where were the other plasma biomarker values used in the diagnosis analyzed?
	□ o Analyzed by NCRAD □ 1 Analyzed in-house or elsewhere
	Were CSF biomarkers used in the etiologic diagnosis?
	☐ 0 No (SKIP TO QUESTION 3) ☐ 1 Yes
	If yes, select all CSF biomarkers that were used:
	2a.
	2a1. p-tau 181/ Aβ42
	□ o Normal □ 1 Abnormal
	2a2. Where were the p-tau 181/ Aβ42 values used in the diagnosis analyzed?
	□ 0 Analyzed by NCRAD □ 1 Analyzed in-house elsewhere
	2b.
	2b1. t-tau / Aβ42
	□ o Normal □ 1 Abnormal
	*t-tau values not currently analyzed by NCRAD; only available in-house or elsewhere
	2c.
	2c1. Αβ42/40
	□ 0 Normal □ 1 Abnormal
	2c2. Where were the Aβ42/40 values used in the diagnosis analyzed?
	□ o Analyzed by NCRAD □ 1 Analyzed in-house or elsewhere

Section 1 – Categorizati	on of fluid analyte and imaging biomark	cers	continued
A (Aβ proteinopathy)	2d. 🔲 1 Other CSF biomarker (SPECIFY):		
and	2d2. Other CSF biomarker result:		
T ₁ (phosphorylated and secreted AD tau)	□ 0 Normal □ 1 Abnormal		
	2d3. Where were the other CSF biomarker values used in the diagnosis analyzed?		
	☐ 0 Analyzed by NCRAD☐ 1 Analyzed in-house or elsewhere		
Core 2			
T ₂ (AD tau proteinopathy)			as tau PET used in the etiologic agnosis?
			o No (skip to Question 5) 1 Yes
		MTL	
		4a.	Tau PET MTL result:
			□ o Not elevated □ 1 Elevated
		4b.	How were tau PET MTL results obtained (select all that apply)?
			□ 1 Visual read □ 1 Quantitative
		4c.	Where were tau PET MTL results obtained?
			1 Central (CLARITI, LEADS) Local or other interpretation (e.g., SCAN, other clinical trials)
		Neoco	ortical
		4d.	Tau PET Neocortical result:
			□ o Not elevated □ 1 Elevated
		4e.	How were tau PET neocortical results obtained (select all that apply)?
			□ 1 Visual read □ 1 Quantitative
		4f.	Where were tau PET neocortical results obtained?
			1 Central (CLARiTI, LEADS) 2 Local or other interpretation (e.g., SCAN, other clinical trials)

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

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Section 1 – Categorization	on of fluid analyte and imaging biomark	ers continued			
Biomarkers of non-AD co-	pathology				
V (vascular brain injury)		Infarction on MRI or WMH consistent with ischemia			
		5. Was infarction on MRI or WMH consistent with ischemia or blood products consistent with CAA used in the etiologic diagnosis? 0 No (SKIP TO QUESTION 6)1 Yes			
		5a. Imaging result (select all that apply): 1 Infarction on MRI (select all that apply below) 1 Lacunar 1 Cortical 1 Microbleeds 1 WMH 1 Superficial siderosis			
S (α-synuclein)	aSyn-SAA* 6. Was aSyn-SAA used in the etiologic diagnosis: □ 0 No (SKIP TO QUESTION 7) □ 1 Yes 6a. aSyn-SAA result: □ 0 Normal □ 1 Abnormal 6b. aSyn-SAA assay: □ 1 CSF □ 2 Other (SPECIFY): □ 6c. Where were aSyn-SAA values obtained?				
* If a fluid analyte is presently informative only when measured in CSF this is denoted by (*), if informative with plasma or CSF then no specific notation added					
7. Did the participant meet to based on a positive Core 1	he AA biological biomarker criteria for Alzheimer's biomarker?	0 No (END FORM HERE) 1 Yes			
8. Which Core 1 biomarker wapply)?	ras used to make this determination (select all that	Imaging: 1 Amyloid PET Plasma: 1 p-tau217 1 %p-tau217 CSF: 1 p-tau181/Aβ42 1 t-tau/Aβ42 1 t-tau/Aβ42 1 Aβ42/40 Other ((SPECIFY):			

Participant ID:	F	orm date: /	′	Visit #:	
			Alzheimer's disease con	tinuum	
Use the information above to s	select the biolog	ical stage of the part	icipant:		
	Initial-stage biomarkers	Early-stage biomarkers	Intermediate- to advanced- stage biomarkers		
PET	Amyloid PET	Tau PET medial temporal region	Tau PET moderate to high neocortical uptake		
	A+T ₂₋	$A+T_{_{2MTL+}}$	$A+T_{2MOD+2HIGH+}$		
Core 1 fluid			/Aβ42, and accurate Core 1 plasr higher, but cannot discriminate		
9. Select the biological stage of the participant:	□1 (A)		☐3 (C-D)	9 Unable to determine stage (e.g., missing biomarkers)	
Section 3 – Clinical stag	ing for indiv	iduals on the Al	zheimer's disease contin	uum	
Stage 0 Asymptomatic, deterministic gene No evidence of clinical change. Biomarkers in normal range. *Participants with Down Syndrome may not be fully independent even in stage 0 because of underlying intellectual disability. In these participants, decline in functional independence from baseline may be a more appropriate indicator of stage. Stage 1 Asymptomatic, biomarker evidence only Performance within expected range on objective cognitive tests. No evidence of recent cognitive decline or new symptoms. Stage 2 Transitional decline: Mild detectable change, but minimal impact on daily function Normal performance within expected range on objective cognitive tests. Decline from previous level of cognitive or neurobehavioral function that represents a change from individual baseline within the past 1 to 3 years, and has been persistent for at least 6 months. May be documented by evidence of subtle decline on longitudinal cognitive testing, which may involve memory or other cognitive documented through subjective report of cognitive decline (SCD). May be documented through subjective report of cognitive decline (SCD). May be documented with recent-onset change in mood, anxiety, motivation not explained by life events. Remains fully independent with no or minimal functional impact on activities of daily living (ADLs). Stage 3 Cognitive impairment with early functional impact Performance in the impaired/abnormal range on objectives cognitive tests. Evidence of decline from baseline, documented by the individual's report or by an observer's (e.g., study partner) report or by change on longitudinal cognitive testing or neurobehavioral assessments. Performs daily life activities independently but cognitive difficulty may result in detectable functional impact on complex ADLs (i.e., may take more time or be less efficient but still can complete — either self-reported or corroborated by an observer. Stage 4 Dementia with moderate functional impairment Progressive cognitive and mild functional impairment on					
		<u>□</u> 6 S	tage 5 tage 6 Inable to determine stage (e.g., r	missing biomarkers)	

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