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ENSURING SPEECH UNDERSTANDING for TELEPHONE FORM



12221	ACHIEVE HEALTHY AGING	
ID NUMBER:	FORM CODE: E S U T DATE: 04/30/2020 Version 1.0	
ADMINISTRATIVE INFORMATION		
0a. Completion Date: Month Day	Ob. Staff ID:	
	(~3 seconds) articulating clearly with normal inflections. No repetitions are ALL CAPS (excluding 'A') that are repeated correctly.	
A = Refusal (participant declines/refuses	ully understand the instructions or became frustrated) ring loss) dropped calls, echo, etc. V, radio, other voices, etc.)	
repeat it back to me. The first sentence	CHECK IF REASON FOR	e
١	DISCONTINUED DISCONTINUATION SCORE	
1. Audibility Trial 1	[]a. []	
If total score for Trial 1 is ≥13, save	b. The PLAYER LOST the SHOE	
and close form and proceed with neurocognitive testing.	c. The FIRE is VERY HOT	
If total score for Trial 1 is <13, proceed	d. A LADY WORE a COAT	
with Trial 2 and: a) use a louder tone of voice, and b) if the ppt is using a cell	e. The KITCHEN WINDOW was CLEAN	
phone, check to see if the volume can	f. STRAWBERRY JAM is SWEET	
be increased and if they can hold the		
speaker closer to their ear.	g. Total Score:	
	g. Total Score:	
speaker closer to their ear. 2. Audibility Trial 2 Regardless of the score for Trial 2, if ba	g. Total Score:	
2. Audibility Trial 2	g. Total Score: a. b. The BOOK TELLS a STORY	
2. Audibility Trial 2	g. Total Score: a. b. The BOOK TELLS a STORY	
speaker closer to their ear. 2. Audibility Trial 2	g. Total Score: a. b. The BOOK TELLS a STORY	
2. Audibility Trial 2	g. Total Score: a. b. The BOOK TELLS a STORY c. The TEAM is PLAYING WELL d. A BOY DID a HANDSTAND	

If, in the examiner's judgement, communication is so severely limited such that all tests would likely be discontinued due to hearing loss or would produce severely biased cognitive test results, then the call may be ended at this point. Say: "Thank you very much Mr./Mrs. ______, but you may not be able to hear me well enough to complete the memory and thinking tasks over the phone, so I will not continue at this time. On behalf of the ARIC study, thank you for taking time to speak with me today."



MME/CDP Hybrid for Telephone Form



ID NUMBER: FORM CODE: M	СНТ	DATE: 05/22 Version 1.0	/2020
ADMINISTRATIVE INFORMATION			
0a. Completion Date: Month Day Year	0b. Staff	ID:	
Materials: Black pen, clock/watch with current time (to score 0f)		
Scoring note:			
Items which are not attempted for any reason other than cognhearing loss, telephone connection, etc.), should be marked a			al,
Items which are not administered due to <u>cognitive impairment</u> "Incorrect."	should be m	narked as	
"In this next part, I will ask you some questions that will r	equire mem		
concentration. Some may seem a little easier than others		ory and	
concentration. Some may seem a little easier than others		Incorrect / Don't know	Not Attempted/ Refused
oc. What is your full name?		Incorrect /	Attempted/
<u>-</u>	Correct	Incorrect / Don't know	Attempted/ Refused
0c. What is your full name?	Correct	Incorrect / Don't know	Attempted/ Refused
Oc. What is your full name? Od. How old are you?	Correct 1 1	Incorrect / Don't know	Attempted/ Refused 0 0

Score as correct, if within one hour of the actual time.

_	Correct	Incorrect / Don't know	Not Attempted / Refused
1. What year is this?	□ 1	□ 0	□ 0
2. What season is this?	□ 1	□ 0	□ 0
Winter: Dec., Jan., Feb., March Spring: March, April, May, June Summer: June, July, August, Sept. Fall/Autumn: Sept., Oct., Nov., Dec.			
3. What month is this?	□ 1	□ 0	□ 0
Score as correct if within one day of the actual month.			
4. What is the day of the week?	□ 1	□ 0	□ 0
If the participant gives the date instead of the day, give credit for date if correct, and say: "Good, and what day of the week is it?"			
5. What is the date?	□ 1	□ 0	□ 0
6. What state do you live in?	□ 1	□ 0	□ 0
7. What city do you live in?	□ 1	□ 0	□ 0
8. What county do you live in?	□ 1	□ 0	□ 0
9. What is your home address (street or apt #)?	<u> </u>	<u> </u>	□ 0
Score #10 as correct if full (and accurate) street address is given.			
10. If not stated on #9: What is the name of the street you live on?	<u></u> 1	<u> </u>	□ 0

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Items 11a to 15 below are scored per the CDP protocol (CDP items 15a-19). If the initial response by the participant does not merit a grade 0, prompt one time to identify the subject's best understanding of the problem. Indicate nearest response.											
Similarities: "Now, I'm going to a pen and a pencil were alike, y and a (insert word) are alike?"	•		_	-	•						
11. Can you tell me how these things are alike? a. turnip cauliflower	□ 0= Ve	getables		Edible foods, things, can be d, etc.	2= Answers not pertinent; differences; buy them						
b. desk bookcase	_	rniture, niture, both ks	<u> </u>	Wooden, legs	2= Not pertinent; differences						
Differences: "Now, I'm going to a how sugar and vinegar were difference a (insert word) and a (insert word)	erent, you	might say o									
12. Can you tell me what is the d between these things?	ifference	☐ 0= One deliberate,		☐ 1= One bad other good- or	else						
a. lie mistake		unintention	al	explains only o	ne						
b. river canal		☐ 0= Natu artificial	ral-	☐ 1= Anything	else						
Calculations											
13. How many nickels are in a do	ollar (20)	0= Corre	ect	1= Incorrect							
14. How many quarters in \$6.75?	(27)	□ 0= Corre	ect	1= Incorrect							
15. Subtract 3 from 20 and keep subtracting 3 from each number way down? (20, 17, 14, 11, 8, 5, 2	•	0= Corre	ect	1= Incorrect							

CERAD Immediate Recall

Intro/Trial 1: "On this next task, I will ask you to try to remember a list of 10 words. I will read the list of words to you 3 times, and each time after I have finished, I will ask you to tell me as many of the words as you can remember. It doesn't matter in what order you say them, just tell me as many as you can. Are you ready? Now, please listen closely as I read each word."

1a. "Now, tell me all of the words you can remember."

Trial 2: "Great. Now, we are going to try that again. I am going to read to you the same list of 10 words but in a different order, and again when I stop, I want you to tell me as many of the words as you can remember, including any words you may have said the first time. Listen closely as I read each word."

2a: "Now, tell me all of the words you can remember."

(If ppt appears to be trying only to repeat words not said during Trial 1, prompt with "It doesn't matter if you've already said them before.")

Trial 3: "We're going to try that one last time. I am going to read to you the same list of 10 words one more time in a different order. Again, when I stop, I want you to tell me as many of the words as you can remember. A little later in the call, I will ask you to recall these words again. Listen closely as I read each word."

3a: "Now, tell me all of the words you can remember."

Read each word slowly (2 secs per word) and enunciate clearly. Allow up to 90 seconds for recall on each trial. After 10-15 seconds of silence (or if the ppt indicates they cannot recall anymore words), prompt one time with "Anything else?" and then move to next trial.

Scoring: Record the number of correct words and serial position of each word recalled within a trial.

If a participant reports they are unable to hear ≥ 3 or more words in any trial, discontinue the CERAD due to hearing loss (or phone connection, as appropriate). If the immediate recall trials are discontinued, then delayed recall should not be attempted (and the same discontinuation code should be entered for that subtest). If the participant is unable to hear 1-2 words across two or more trials, this should be noted in the section on factors affecting validity.

Trial 1	Trial 2	Trial 3					
1) Butter	1) Ticket	1) Queen					
2) Arm	2) Cabin	2) Grass					
3) Shore	3) Butter	3) Arm					
4) Letter	4) Shore	4) Cabin					
5) Queen	5) Engine	5) Pole					
6) Cabin	6) Arm	6) Shore					
7) Pole	7) Queen	7) Butter					
8) Ticket	8) Letter	8) Engine					
9) Grass	9) Pole	9) Ticket					
10) Engine	10) Grass	10) Letter					
Total 1	Total 2	Total 3					
(NCST2b13):	(NCST2c13):	(NCST2d13):					

DIGITS BACKWARDS

Materials: Black pen

Instructions and Script: "Now I am going to say some numbers. When I stop, I want you to say them backwards. For example, if I say: 1-2-3, what would you say?" If the participant responds correctly (3-2-1), say, "That's right" and proceed to item 1. If the participant fails the practice trial say, "No, you would say 3-2-1. I said 1-2-3; so to say those numbers backwards, you would say, '3-2-1".

"Now try these numbers." Read the digits clearly and at a rate of 1 per second. Say the numbers in a monotone voice with inflection dropping slightly on the last digit. Remember to administer both trials of each item. Begin Trial 2 and beyond saying, "Here's another." Each trial may be presented only once.

Record responses verbatim. Scoring: completely correct trial = 1 point (e.g., Item 1, Trial a: 1-5 = 1 point). Incorrect trial = 0 points. Total the number correct at the bottom of the form.

Discontinue after two consecutive errors of the same length item (e.g., missing two 5-digit sequences).

	Trial Sequence	Response	Correct	Error/ Refused
1	Trial a: 5-1 (1-5)			
•	Trial b: 3-8 (8-3)			
2	Trial a: 4-9-3 (3-9-4)			
2	Trial b: 5-2-6 (6-2-5)			
3	Trial a: 3-8-1-4 (4-1-8-3)			
5	Trial b: 1-7-9-5 (5-9-7-1)			
4	Trial a: 6-2-9-7-2 (2-7-9-2-6)			
4	Trial b: 4-8-5-2-7 (7-2-5-8-4)			
5	Trial a: 7-1-5-2-8-6 (6-8-2-5-1-7)			
5	Trial b: 8-3-1-9-6-4 (4-6-9-1-3-8)			
6	Trial a: 4-7-3-9-1-2-8 (8-2-1-9-3-7-4)			
D	Trial b: 8-1-2-9-3-6-5 (5-6-3-9-2-1-8)			
	Total numb	per correct trials (NCST3b):		

CERAD Delayed Recall

Instructions: "A few minutes ago, I read a list of 10 words to you several times. Now, I want you to tell me as many of those words as you can remember."

Scoring: Record the number of correct words and serial position of each word recalled within a trial.

Allow up to 90 seconds for recall. After 10-15 seconds of silence (or the ppt indicates they cannot recall anymore words), prompt one time with "**Anything else?**"

1) Butter
2) Arm
3) Shore
4) Letter
5) Queen
6) Cabin
7) Pole
8) Ticket
9) Grass
10) Engine
Total
(NCST4c):

ORAL TRAILS A

Materials: Black pen, stopwatch

TEST A

"Ok, now we'll try something a little different. I'd like you to count from 1 to 25 as quickly as you can. Just like this: 1, 2, 3, 4, and so on. Ready? Go ahead."

Start timing immediately after saying "Go ahead". Call all errors to the participant's attention immediately and have the participant continue with the series from the last correct number (e.g., if the ppt said...13, 14, 16...Say "I'm sorry; that was incorrect. Please start at 14 and continue." Do not stop timing during corrections.

If the participant stops for 5 or more seconds before reaching 25, prompt with "Please keep going." If the participant doesn't recall where they are in counting, provide the last correct response (e.g., "Please start at 14 and continue.") and score as an error. After a further delay of 15 or more seconds, discontinue and code as not attempted due to task difficulty. Up to 5 attempts are allowed for this task.

At the end, say "That's fine." or "Very good."

Scoring: Draw a horizontal line through boxes under #s the participant says in correct order. Draw an X in the box below the # where the participant makes an error.

Record total time it took the participant to complete the series, total # correct, and total # of errors below.

Note: If the participant makes 5 errors, then the test should be stopped. Errors should be recorded as 5 and time should be recorded as 4 min 0 sec (regardless of the actual time it took to make the errors). If the participant exceeds 4 minutes, then the test should be stopped and the time is recorded as 4 min 0 sec, and errors recorded should be the actual # of errors made in those 4 minutes.

Atte	mpt	: 1:																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Atte	mpt	: 2 :																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Atte	mpt	3:	1		l	l	l.		l.				l		l	l		l.					l.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Atte	mpt	: 4 :																						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Atte	mpt	5:				[
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

1) Total time to complete	:(Max =4:00) Seconds (NCST5b) (NCST5c)
2) Total number correct	(NCST5d) (Max = 25)
3) Total number of errors	(NCST5e) (Max = 5)

ORAL TRAILS B

Materials: Black pen, stopwatch

SAMPLE

"Now, I'd like you to alternate between numbers and letters when you count. So, you would say the number 1, and then say the letter A, then number 2, then letter B, and so on. Let's do a practice trial first. Please count to the number 4, alternating between numbers and letters. Ready? Go ahead."

If the participant makes an error, make an X in the box below the #/letter where the error was made and say, "I'm sorry, that was not quite correct. It should be 1, A, 2, B, 3, C, 4. Let's try it again."

Prac	tice 1	:					Practice 2:						Practice 3:								
1	Α	2	В	3	С	4	1 A 2 B					С	4	1 A 2 B 3						С	4

Allow up to 3 practice attempts. Repeat instructions with guidance only twice. If the participant cannot complete the practice or clearly does not comprehend the task, do not administer Test B (code as not Attempted due to task difficulty).

TEST B

"Good. Now, I want you to do that same thing, but with more numbers and letters. Just like before, you'll say 1, A, 2, B, 3, C, 4; but this time, keep going until you reach the number 13. Ready? Go ahead."

Start timing. Call all errors to the participant's attention immediately (draw an X in the box below the #/letter where the error occurred) and have the participant proceed from the point the mistake occurred. Say, for example, "I'm sorry; that was incorrect. Please start at (number-letter pair) and continue." Do not stop timing.

*You can remind the participant by saying "Number-Letter" to keep them on task.

If the participant stops for 5 or more seconds before reaching 13, prompt with "Please keep going." If the participant doesn't recall where they are, provide the last correct number-letter pair (e.g., "Please start at 3-C and continue.") and score as an error. After a further delay of 15 or more seconds, discontinue and code as not attempted due to task difficulty. Up to 5 attempts are allowed for this task.

Scoring: Draw a horizontal line through boxes under #/letters the participant says in correct order. Draw an X in the box to indicate an error.

Record total time it took the participant to complete the series, total # correct, and total # of errors below.

Note: If the participant makes 5 errors, then the test should be stopped. Errors should be recorded as 5 and time should be recorded as 4 min 0 sec (regardless of the actual time it took to make the errors). If the participant exceeds 4 minutes, then the test should be stopped and the time is recorded as 4 min 0 sec, and errors recorded should be the actual # of errors made in those 4 minutes.

Attempt 1:

		_																						
1	Α	2	В	3	С	4	D	5	Е	6	F	7	G	8	Н	9	I	10	J	11	K	12	L	13
At	temp	ot 2:																						
1	Α	2	В	3	С	4	D	5	Е	6	F	7	G	8	Н	9	I	10	J	11	K	12	L	13
At	tem	ot 3:																						
1	Α	2	В	ფ	O	4	D	5	ш	6	F	7	G	8	Η	თ		10	7	11	K	12	L	13
At	tem	ot 4:																						
1	Α	2	В	3	С	4	D	5	Е	6	F	7	G	8	Н	9	I	10	J	11	K	12	L	13
At	Attempt 5:																							
1	Α	2	В	3	С	4	D	5	Е	6	F	7	G	8	Н	9	I	10	J	11	K	12	L	13
													·											

1) Total time to complete	Minutes Seconds (NCST6b) (NCST6c)
2) Total number correct	(NCST6d) (Max = 25)
3) Total number of errors	(NCST6e) (Max = 5)

WORD FLUENCY TASK

Materials: Black pen, stopwatch

<u>Instructions and script:</u> "On this next task, I will say a letter. Then I want you to tell me as many different words as you can think of, as fast as you can, that begin with that letter.

Leave out names of people, names of places, and numbers. So, if I were to say 'T,' you should not say words like 'Thomas,' 'Texas,' or the number 'Ten.' But, you could say words like 'table,' 'take,' or 'turtle.'

Also, do not use the same word again with a different ending. For example, if you said 'take,' then you should not say 'takes,' or 'taking.' These would all be considered the same word. Now, I want you to tell me as many words as you can think of that start with the letter F. Can you say that letter back to me, so I know you heard me okay? (If ppt repeats "F" proceed with task. If they say any other letter, repeat the instruction again. After the 2nd failed attempt, say "F as in fire" and confirm the ppt heard "F". If they still cannot understand, discontinue the task due to the appropriate reason, such as hearing loss or bad phone reception.) Ok good. I will tell you when to stop. Are you ready? Go."

Start the stopwatch. Record all words produced (use the back of the page if more space is needed). However, if the examiner can't keep up with the words produced and misses a word but is certain that the participant produced an admissible word, place an "X" on the line to indicate credit for the word. (If you have trouble clearly hearing a word that the ppt says, but are fairly certain it was an admissible word, credit can be given.) Place a single strike mark through inadmissible words, e.g., proper nouns (names or places), simple variations (adding "ed" or "ly"), plurals, and repetitions.

If the participant stops for more than 10 seconds, encourage further responses. Say, "Can you think of any more words that start with the letter F?" Allow 60 seconds for each letter. The next letter is not given until the entire 60 second period has passed.

After 60 seconds, instruct the participant to stop and proceed to the letter A saying, "Stop. Thank you. Now, tell me as many words as you can think of that start with the letter A. Can you say that letter back to me, so I know you heard me okay? (If ppt repeats "A" proceed with task. If they say any other letter, repeat the instruction again. After the 2nd failed attempt, say "A as in apple" and confirm the ppt heard "A". If they still cannot understand, discontinue the task due to the appropriate reason, such as hearing loss or bad phone reception.) Ok good. I will tell you when to stop. Are you ready? Go." Begin timing. Allow 60 seconds.

Do not intervene for the occasional inadmissible word, however, if the participant has clearly lost focus as to what to do (e.g., begins naming only inadmissible words, such as numbers, or begins to name only variants of a previous word, such as "flower" followed by "rose," "daisy," etc.), clarify the instructions by saying, "Tell me words that start with F (or A) but do not include numbers," (or people, etc. depending on the error).

If a participant asks if they have already said a word, do not say "yes" or "no." Instead, simply encourage more responses saying, "It's okay; keep going."

	F	Α
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
TOTAL	(NCST7b):	(NCST7c):

ANIMAL NAMING FORM

Materials: Black pen, stopwatch

"Now we'll try something different. On this next task, I want you to tell me as many different animals as you can think of. Name them as quickly as you can. I will tell you when to stop. Ready? Go."

Start timing. Allow 60 seconds. Write down all of the words produced verbatim in the order in which they were presented. If there is a pause of 10 seconds or more, repeat basic instructions and give the starting word "dog." If the participant discontinues before the end of the time period, encourage him/her to produce more names.

Score the total number of admissible animals.

	Ani	imals	
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16		32	

After Animal Naming, say: "We are almost finished, and have about 10-15 minutes of questions left. Would you like to take a break now, or keep going?" (If ppt wishes to take a break, allow them to take a 5-10 min break and finish the battery. If the ppt indicates they would like to stop now, and finish another time, please schedule a preferred date/time with the ppt to finish the CEST and CDPT forms.)

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CES DEPRESSION for TELEPHONE FORM



	NUMBER: FORM CODE: C	EST	DATE: (Version	1.0
	NISTRATIVE INFORMATION Description Date:	0b. Staff ID	:	
	t: "These next questions are about how you might have felt etell me how often you felt this way during the past week."	or behaved re	ecently. For eac	h question,
•		Never or <1 day	1-2 days in the past week	3-7 days in the past week
1)	During the past week, would you say that you felt depressed: never or <1 day, 1 to 2 days, or 3 to 7 days?	□ o	<u> </u>	□ 2
2)	During the past week, would you say that you felt lonely: never or <1 day, 1 to 2 days, or 3 to 7 days?	□ o	<u> </u>	2
3)	During the past week, would you say that you had crying spells: never or <1 day, 1 to 2 days, or 3 to 7 days?	□ o	<u> </u>	2
4)	During the past week, would you say that you felt sad: never or <1 day, 1 to 2 days, or 3 to 7 days?	□ o	<u> </u>	_ 2
5)	During the past week, would you say that you felt anxious, nervous, or fearful: never or <1 day, 1 to 2 days, or 3 to 7 days?	□ 0	<u> </u>	_ 2

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CLINICAL DEMENTIA RATING SUBJECT INTERVIEW for TELEPHONE FORM



NU	ID IMBER:							FO	RM C	ODE:	С	D	Р	Т			DATE: 05/22/2020 Version 1.0
ADM	INISTRAT	IVE IN	FORM	ИΑТ	ION	l											
0a. C	ompletion	Date:		Montl	/[h	Da	ay	/][ear			0b. S	Staff I	ID:		
Inst	ructions:	This for	m is a	adm	inist	ered	to t	he pa	rticipa	ant.							
<u>Scr</u>	i <u>pt:</u> "Next	, I woul	d like	e to	ask	you	ab	out y	our n	nemo	ry and	day t	o day	y fun	ctio	ning	over the past year."
exa	mple, 10 y	ears ag	jo. Pr	omp	ot fo	r cha	nge	and	cause	of ch	nange a	is nee	eded	to de	term	nine a	d to the past—for appropriate scoring.
	te* Any re _l ndicate co							to hav	/e sta	arted	in the p	ast ye	ear, b	out sh	ould	l be p	oresent in the past year.
MEN	IORY																
1.	Do you fo	orget ap	opoir	ntme	ents	and	(OI	·) rely	/ mor	e on	a cale	ndar′	?				
		□1 = □0 =	Yes No														
2.	Do you re	epeat th	ne sa	ame	que	estio	ns	or sto	ories'	?							
			Yes No														
3.	Do you fo	orget w	hat p	eop	ole s	say ii	n co	onvei	rsatio	ns or	on the	e pho	ne, c	or for	get	to pa	ass on messages?
			Yes No														
	Do you s etc.)?	pend m	nore	time	e tha	an yo	ou t	ısed	to lo	oking	for ob	jects	(suc	h as	pap	ers,	glasses, keys, wallet,
		□1 = □0 =	Yes No														
5.	Do you h	ave mo	ore tr	oub	le fi	ndin	g th	ne wo	ords t	hat y	ou wai	nt to	use?				
		□1 = □0 =	Yes No														
6.	Do you h	ave mo	ore tr	oub	le c	omir	ıgι	iw qı	th na	mes (of peo	ple th	nat yo	ou se	e o	ften?	?
		□1 = □0 =	Yes No														
7.	Do you h	ave pro	blen	ns le	eavi	ing th	ne s	stove	on,	or lea	ving c	ar lig	hts o	n, or	dod	ors u	ınlocked?
			Yes No														

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o. Do you trillik triese changes in your memory have gotten worse in the past year?
☐1 = Yes ☐0 = No
□N/A = No memory problems
[The following question is not used in determining the Memory domain score.]
8a. Has anyone in your family ever expressed concern or worry about your memory?
☐1 = Yes ☐0 = No
ORIENTATION
9. Have you had any accidents or close calls while driving in the past year?
☐1 = Yes
☐ 0 = No ☐ N/A = Does not drive Go to Item 11
10. Does someone always ride with you as a navigator when you drive?
☐1 = Yes ☐0 = No
0 = No
11. Have you gotten lost in a familiar area?
☐1 = Yes
□0 = No
12. Have you had more difficulty finding your way around outside your own neighborhood?
☐1 = Yes ☐0 = No
JUDGMENT AND PROBLEM-SOLVING
13. Have you noticed any changes in your ability to deal with money, for example, figuring out a tip or getting back correct change?
0 = No loss
☐1 = Some loss ☐2 = Severe loss
14. Have you noticed any changes in your ability to balance your checkbook or pay bills? For example
have you bounced any checks, forgotten to pay a bill or paid it twice?
☐0 = No change ☐1 = Some change
☐2 = Severe change

Questions 15-19 moved to MCHT

CO	MMUNITY AFFAIRS
20.	Are you still working?
	☐1= Yes Go to Item 21 ☐0= No ☐N/A= Never worked Go to Item 21
	a. Did memory problems interfere with your ability to do your job? ☐1= Yes ☐0= No
21.	Do you belong to any groups (examples: senior citizen, religious, political, professional, volunteer, or social)? 1= Yes0= No
22.	Have you attended group functions or meetings in the past few months? 0= As often as you used to1= Less often than you used to2= Not at all
23.	Does someone help you with shopping (food or clothes) who previously hadn't (for transportation, driving, etc)? 1= Yes0= NoN/A= Does not shop
НО	ME & HOBBIES
24.	Have you noticed changes in your ability to do household chores (choose 1-2 examples: cooking, laundry, cleaning, using household appliances like dishwasher, vacuum, or television, doing grocery shopping, yard work, taking out the garbage, taking care of the car, or fixing things around the house)? 0= No change1= Some changeN/A= Never do household chores
25.	Has there been any change in your involvement in any hobbies or pastimes (examples: sewing, knitting, painting, playing cards, reading, watching or playing sports)? 0= No change1= Some changeN/A = Do not have hobbies or pastimes

CONSENT TO INTERVIEW PROXY

26. Question removed

[Say to the participant:]
"We have a brief set of questions on memory and daily functioning, similar to the ones we just asked you. These questions are designed to be answered by someone who knows you well. Would it be okay with you if we asked your informant/proxy, to answer these questions?"
27. Permission to interview informant/proxy? ☐ 1= Yes "Thank you. Someone from our staff may be in touch with [him/her] in the future." ☐ 0= No "Okay, I understand." [SAVE AND CLOSE FORM]

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NEUROCOGNITIVE BATTERY **SUMMARY for TELEPHONE FORM**



NUMBER: FORM CODE: N C S T DATE: 6/10/2020 Version 1.0
ADMINISTRATIVE INFORMATION
0a. Completion Date:/
Oc. Interviewer device: A=Cell phone B=Landline C=VOIP/PC
Od. Participant device: A=Cell phone B=Landline D=Caption
If a test was discontinued, record the reason for discontinuation using the appropriate letter:
A = Refusal (participant declines/refuses to perform a test) B = Task difficulty (participant could not fully understand the instructions or became frustrated) C = Physical impairment (Hearing loss or aphasia) D = Telephone connection (poor quality, dropped calls, echo, etc.) E = Distractions (background noise like TV, radio, other voices, etc.) F = Interruptions (people, pets, kids, etc.) G = Inappropriate aid (clocks, calendars, writing down answers, help from others) H = Participant became fatigued I = Other (note in notelog)
CHECK IF REASON FOR DISCONTINUED DISCONTINUATION
1. MME/CDP Hybrid (MCHT)

CHECK IF REASON FOR DISCONTINUED DISCONTINUATION

	b. Trial 1		c. Trial 2		d. Trial 3
1. Trial 1		1. Trial 2		1. Trial 3	
discontinued?		discontinued?		discontinued?	
2. Reason for trial 1		2. Reason for trial 2		2. Reason for trial 3	
discontinuation?		discontinuation?		discontinuation?	
Order Butter		Order Ticket		3. Order Queen	
named		named		named	
4. Order Arm named		4. Order Cabin		4. Order Grass	
		named		named	
5. Order Shore		5. Order Butter		5. Order Arm named	
named		named			
6. Order Letter		6. Order Shore		6. Order Cabin	
named		named		named	
7. Order Queen		7. Order Engine		7. Order Pole named	
named		named			
8. Order Cabin		8. Order Arm named		8. Order Shore	
named				named	
9. Order Pole		9. Order Queen		9. Order Butter	
named		named		named	
10. Order Ticket		10. Order Letter		10. Order Engine	
named		named		named	
11. Order Grass		11. Order Pole		11. Order Ticket	
named		named		named	
12. Order Engine		12. Order Grass		12. Order Letter	
named		named		named	
13. CERAD Trial 1		13. CERAD Trial 2		13. CERAD Trial 3	
Score		Score		Score	ĺ

NCST- Neurocognitive	Battery	Summary fo	r Telephone	Form

4. CERAD Delayed Recall
4b1. Order Butter named
4b2. Order Arm named
4b3. Order Shore named
4b4. Order Letter named
4b5. Order Queen named
4b6. Order Cabin named
4b7. Order Pole named
4b8. Order Ticket named
4b9. Order Grass named
4b10. Order Engine named
4c. CERAD Delayed total score
5. Oral Trail Making Test (Part A, TMT A)
5b. Time to complete (minutes) 5c. (seconds) (Max = 4:00) 5d. Total number correct (Max = 25)
5e. Number of errors (Max = 5)
6. Oral Trail Making Test (Part B, TMT B)
6b. Time to complete (minutes) 6c. (seconds) (Max = 4:00)
6d. Total number correct (Max = 25)
6e. Number of errors: (Max = 5)
7. Word Fluency (FA)
8. Animal Naming

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For all of the tests that were completed (i.e., not discontinued due to factors already noted above), please provide your impression as to whether the tests provide a reasonably accurate indication of the participant's cognitive ability.

Facto	Affecting Validity
	 Hearing loss Telephone connection (poor quality, dropped calls, echo, etc.) Distractions (background noise like TV, radio, other voices, etc.) Interruptions (people, pets, kids, etc.) Suspected inappropriate aid (clocks, calendars, writing down answers, help from others) Participant became fatigued Lack of effort or disinterest Emotional issues Other (note in notelog)
	ou feel that the tests that were completed provide a reasonably accurate indication of the ant's cognitive ability?
	Yes ->END FORM No: There were factors that may have substantially affected the participant's test results (such as significant hearing loss, phone issues, frequent interruptions, etc.).
	no, please indicate which tests you feel may have questionable results and why (select the ppropriate reason from the Factors Affecting Validity key).
	a Does the result for MME/CDP Hybrid (MCHT) reflect the participant's cognitive function? Y Yes No If 9a is No , 9a1. Type of interference 9a2. Comments
	b. Does the result for CERAD Immediate Recall reflect the participant's cognitive function? Yes No If 9b is No , 9b1. Type of interference 9b2. Comments
	c. Does the result for Digit Span Backwards reflect the participant's cognitive function? Y Yes No If 9c is No , 9c1. Type of interference

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9d. Does th ☐ Y Yes ☐ N No	ne result for CERAD Delayed Recall reflect the participant's cognitive function?
N 110	If 9d is No ,
	9d1. Type of interference
9e. Does th ☐ y Yes ☐ N No	ne result for Oral Trail Making A reflect the participant's cognitive function?
_	If 9e is No ,
	9e1. Type of interference
9f. Does th ☐ ✓ Yes ☐ N No	e result for Oral Trail Making B reflect the participant's cognitive function?
	If 9f is No ,
	9f1. Type of interference 9f2. Comments
9g. Does th	ne result for Word Fluency reflect the participant's cognitive function?
	If 9g is No ,
	9g1. Type of interference 9g2. Comments
9h. Does th ☐ Y Yes ☐ N No	ne result for Animal Naming reflect the participant's cognitive function?
_	If 9h is No ,
	9h1. Type of interference9h2. Comments