DIAGNOSTIC INTERVIEW

PID_____ Name_____Sex: Male □ Female □

Community_____ Examiner's Name _____

Date _____ Start time _____ Duration of interview_____

I'm going to ask you some questions about how you've been doing. Some of these can be easy and some can be difficult. Do the best you can.

Number of years attended school _____

At this moment in your life?

Can you read and write?	Yes	No	Never learned	_____
Do you work on the farm?	Yes	No	Never worked on farm	_____
Do you fish?	Yes	No	Never fished	_____
Do you hunt?	Yes	No	Never hunted	_____
Do you weave?	Yes	No	Never wove	_____
Do you care for children	Yes	No	Never cared for children	_____
Do you cook?	Yes	No	Never cooked	_____

Do you have problems hearing?
A) without problems b) mild problems c) severe problems d) deafness
If problems, describe when began and when became severe.
_____

Do you have problems seeing?
A) without problems b) mild problems c) severe problems d) blindness
If problems, describe when began and when became severe.
_____

Are there important diagnoses? Yes □ No□
Current diagnoses of importance:
1) _____
2) _____
3) _____
4) _____

Do you feel that your memory is becoming worse?	YES NO
If answers "YES", ask, ***do you forget things sometimes… or all the time?***	Sometimes All the time
If answers "YES", ask, ***does this worry you?***	YES NO
Have you noticed changes when you try to make plans or solve problems?	YES NO
If answers "YES", ask, ***do you have trouble sometimes….. or all the time?*** (specify what the difficulty is)	Sometimes All the time _____

The Modified Mini-Mental State (3MS) Test

	Question		3MS		MMSE
1	Place and date of birth		/5		
	Does not know date of birth □				
	Does not know year of birth □				
	When were you born?				
	Year		(1)	(0)	
	Month		(1)	(0)	
	Day		(1)	(0)	
	Where were you born?				
	Town/Community		(2)	(0)	

	Question		3MS		MMSE
2	Registration		/3		/3
	I am going to say three words. Repeat them after I have said all three. I'll ask you to remember them	Number of additional tries: _____			
	(1) SHIRT		(1)	(0)	(1)
	(2) BLACK		(1)	(0)	(1)
	(3) AGITATED (Tsimane) LIAR (Spanish)		(1)	(0)	(1)

	Question		3MS		MMSE
3	Mental Reversal		/7		/5
	Cannot count □				
a	***Count from 1 to 5.*** (if cannot, say "say 1, 2, 3, 4, 5")	First Try: _____	Can	Cannot	
		Second Try: _____	Can	Cannot	
b	***Now do it the other way around, from 5 to 1.***	Accurate	(2)		
		1 or 2 errors	(1)		
		More than 2 errors	(0)		
	Cannot read □				
c	***Spell the word "WORLD"*** ("MUNDO")	First Try: _____	Can	Cannot	
		Second Try: _____	Can	Cannot	
d	***Now do it the other way***	Correct response: DLROW	(5)		(5)
		4 letters that are in the correct relative order	(4)		(4)
		3 letters that are in the correct relative order	(3)		(3)
		2 letters that are in the correct relative order	(2)		(2)
		1 letter	(1)		(1)
		None correct	(0)		(0)

If cannot count or read or WORLD score<4, administer these questions. If a question is not applicable, check that question was skipped. Be sure to ask at least one of these questions. Administer the questions in order				
	Forward		**Reverse**	
OPTION 1: "***Describe the path to reach [a known place such as a school or church or house of an acquaintance, or walking to town]***. ***What do you pass by on the way? [or, What villages do you pass on the way to town?]*** ***Now describe the path walking back from [the known place]. What do you pass on the way?"***	Able to name points that were passed	(2)	Able to correctly name points passed in reverse	(2)
	After prompting	(1)	After prompting	(1)
	Cannot do	(0)	Cannot do	(0)
	Question omitted because no suitable path to describe or [name] doesn't go anywhere	(9)	Question omitted because no suitable path to describe or [name] doesn't go anywhere	(9)
OR	**Forward**		**Reverse**	
OPTION 2: ***"Name all of your sons, starting with the oldest. Now name them again, starting with the youngest."***	Able to name sons in order	(1)	Able to name sons in reverse order corresponding exactly to the initial list	(2)
			Paritally correct or able to do with prompting	(1)
	Cannot name sons	(0)	Cannot do	(0)
	Question omitted because there were no sons or only one son	(9)	Question omitted because there were no sons or only one son	(9)
OR	**Forward**		**Reverse**	

OPTION3: "***Name all of your daughters, starting with the oldest.*** ***Now name them again, starting with the youngest."***	Able to name daughters in order	(1)	Able to name daughters in reverse order corresponding exactly to the initial list	(2)
			Paritally correct or able to do with prompting	(1)
	Cannot name sons	(0)	Cannot do	(0)
	Question omitted because there were no daughters or only one daughter	(9)	Question omitted because there were no daughters or only one daughter	(9)

	Question		3MS		MMSE
4	First Recall		/9		/3
	What three words did I ask you to remember earlier?				
	SHIRT	Spontaneously correct	(3)		(1)
		After cue "something to wear"	(2)		
		After cue "Shoes, shirt, or pants"	(1)		
		Still incorrect	(0)		
	BLACK	Spontaneously correct	(3)		(1)
		After cue "A color"	(2)		
		After cue "yellow, green, or black"	(1)		
		Still incorrect	(0)		
	AGITATED (Tsimane) LIAR (Spanish)	Spontaneously correct	(3)		(1)
		After cue "someone has a problem with someone or something" (tsimane) After cue "poor personal quality" (spanish)	(2)		
		After cue "sad, lazy, or agitated" (Tsimane) After cue "sad, liar, or lazy" (Spanish)	(1)		
		Still incorrect	(0)		
If unsuccessful, administer Hidden Objects later in interview					

	Question		3MS		MMSE
5	Temporal Orientation		/15		/5
	If the individual has never known dates, skip to "what is the day of the week" ***Check here if has never known dates*** ☐ ***Check here if has never known year*** ☐				
	What is today's date?				
	Year	Correct	(8)		(1)
		Missed by 1 year	(4)		
		Missed by 2-5 years	(2)		
		Missed by >5 years	(0)		
	Month	Correct or within 5 days	(2)		(1)
		Missed by 6 days to 1 month	(1)		
		Missed by >1 month	(0)		
	Date(of the Month)	Correct	(3)		(1)
		Missed by 1-2 days	(2)		
		Missed by 3-5 days	(1)		
		Missed by >5 days	(0)		
	ASK DAY OF WEEK AND TIME OF DAY QUESTIONS TO EVERYONE:				
	Say the days of the week	First Try:	Can	Cannot	
		Second Try:	Can	Cannot	
	What is the day of the week today?	Exact day (of the week)	(1)	(0)	(1)
	What time of day is it now? (morning, afternoon, night)	If correct, mark 1 point.	(1)	(0)	(1)
	If not certain, write a note saying what time it is and what the person replied.	Note:			
	ASK THE NEXT 3 QUESTIONS IF DOES NOT KNOW DATES OR DOES NOT KNOW YEAR. If individual knows date, day of week, and time of day, go to Spatial Orientation				
	What is the phase of the moon now? ["full" or "half" or "new moon"? If unable, provide pictures of phases of moon.	Answers correctly	(2)		
		Correct when given pictures showing the options	(1)		
		Unable	(0)		
		Blind	(9)		
	Currently, what wild fruits can be harvested (Tsimane) / what fruits are available for sale in the seasonal market (Moseten)?	Oriented Yes	(1)		
		Oriented No	(0)		
		NOTES:			
	When will it be the day to go to church to sing? [if there is no church, "When is the next day of football?" or "What is the day most people rest?"	Oriented Yes (e.g. knows that church is on Sunday)	(1)		
		Oriented No	(0)		
		NOTES:			

	Question		3MS		MMSE
6	Spatial Orientation		/5		/5
	What city/community are we in?		(2)	(0)	(2)
	What is the nearest community?		(1)	(0)	(1)
	What is the nearest town?		(1)	(0)	(1)
	Are we in a hospital, a restaurant or a house?		(1)	(0)	(1)

	Question		3MS		MMSE
7	Naming		/5		/2
	Can you tell me what this is?				
	Pencil				(1)
	Watch				(1)
	If the person is blind, ask him or her to touch the object and name it. Or say "what is the name of what is used to write?" and "What is the name of the thing that is used to tell the time?"				
	What do you call this part of the body?	If the person is blind, ask permission to touch; then touch each part of the body and ask "What is the name of the part of your body that I am touching?" Assign those scores			
	forehead		(1)	(0)	
	chin		(1)	(0)	
	shoulder		(1)	(0)	
	elbow		(1)	(0)	
	thumb		(1)	(0)	

	Question		3MS		MMSE
8	Four-legged animals		/10		
	What animals have four legs? Tell me as many as you can.				
	1		(1)	(0)	
	2		(1)	(0)	
	3		(1)	(0)	
	4		(1)	(0)	
	5		(1)	(0)	
	6		(1)	(0)	
	7		(1)	(0)	
	8		(1)	(0)	
	9		(1)	(0)	
	10		(1)	(0)	

	Question		3MS	MMSE
9	Similarities		/6	
	Please look at these pictures and tell me what each picture shows (*show pictures one at a time. Mark each that is correct*)	Piranha/Fish, Canoe, Peccary, Papaya, Antelope, Watermelon, Flounder/Fish, Bicycle		
	Participant is blind □			
	After example of canoe and bicycle:			
	Papaya and watermelon -fruits that must be cultivated	Finds correct pair	(1)	
		Gives explanation of similarity	(1)	
		Gives difference	(0)	
		Cannot	(0)	
	Peccary and antelope -animals to eat	Finds correct pair	(1)	
		Gives explanation of similarity	(1)	
		Gives difference	(0)	
		Cannot	(0)	
	Piranha and flounder	Finds correct pair	(1)	
		Gives explanation of similarity	(1)	
		Gives difference	(0)	
		Cannot	(0)	

	Question		3MS		MMSE
10	Repetition		/5		/1
	Repeat what I say: "He would like to go home" (Spanish) ***"That dog wants to go home"(***Tsimane)	Correct (Includes he/dog, wants,home)	(2)		
		One or 2 missed or wrong words	(1)		
		>2 missed or wrong words	(0)		
	Spanish: ***"If you laugh, you lose."*** Tsimane: ***"Birds lay eggs."***				
	If / birds		(1)	(0)	(1)
	you laugh / lay		(1)	(0)	
	you lose / eggs		(1)	(0)	

	Question		3MS		MMSE
11	Read and Obey		/3		/1
	Cannot Read □				
	"CLOSE YOUR EYES"	Without prompting	(3)		(1)
		After prompting	(2)		
		Reads; does not close eyes	(1)		
		Neither reads nor closes eyes	(0)		
	If the person cannot read, administer the following:				
	The examiner says ***"Look at me and do exactly what I do."*** Then the examiner closes his own eyes for 3 seconds. If necessary repeat, "Now you do exactly what I did."	Able without prompting	(2)		
		After prompting (or if need to repeat instruction)	(1)		
		Unable	(0)		

	Question		3MS		MMSE
12	Writing		/5		/1
	Cannot Write □				
	I would like to have a sample of your handwriting. Write "He would like to go home"				
	One point for each word		(1)	(0)	(1)
			(1)	(0)	
			(1)	(0)	
			(1)	(0)	
			(1)	(0)	
	If unable to write,				
	"Tell me something about your house", or ***"Tell me something that can be done with a machete"***	Able to put together a sentence	(1)		
		Unable	(0)		

	Question		3MS		MMSE
13	Copying 2 Pentagons		/10		/1
	Copy this drawing				
	Cannot Use Pen □				
	Pentagon 1	5 approximately equal sides	(4)		(1)
		5 but unequal (>2:1) sides	(3)		
		Other enclosed figure	(2)		
		2 or more lines	(1)		
		Less than 2 lines	(0)		
	Pentagon 2	5 approximately equal sides	(4)		
		5 but unequal (>2:1) sides	(3)		
		Other enclosed figure	(2)		
		2 or more lines	(1)		
		Less than 2 lines	(0)		
	Intersection	Inner figure has 4 sides	(2)		
		Inner figure does not have 4 sides	(1)		
		No inner figure	(0)		
	If the individual cannot draw, administer the following:				
	Show picture of two squares. Say "***Arrange these two frames to look like the picture."*** If unable, demonstrate. Then say, "Now you do it."	Could do it	(2)		
		Could do it after being given demonstration	(1)		
		Could not do it	(0)		
		Draw here the design made by the person			
	Then show next picture. Say "***Now arrange these two frames to look like this picture."*** Do not help the person. To score as correct, must see diamond where the two squares intersect	Could do it (there is a diamond)	(2)		
		Squares overlap but no diamond	(1)		
		Could not do it	(0)		
		Draw here the design made by the person			

	Question		3MS		MMSE
14	Three-stage command		/3		/3
	Take this paper with your [non-dominant] L/R hand.		(1)	(0)	(1)
	Fold it in half.		(1)	(0)	(1)
	Give it back to me		(1)	(0)	(1)

	Question		3MS		MMSE
15	Second Recall		/9		
	What were the three words that I asked you to remember earlier?				
	SHIRT	Spontaneously correct	(3)		
		After cue "something to wear"	(2)		
		After cue "shoes, shirt or pants"	(1)		
		Still incorrect	(0)		
	BLACK	Spontaneously correct	(3)		
		After cue "a color"	(2)		
		After cue "yellow, green or black"	(1)		
		Still incorrect	(0)		
	AGITATED (Tsimane) LIAR (Spanish)	Spontaneously correct	(3)		
		After cue "someone whas a problem with someone or something" (Tsimane) After cue "poor personal quality" (Spanish)	(2)		
		After cue "sad, lazy or agitated" (Tsimane) After cue "sad, liar or lazy" (Spanish)	(1)		
		Still incorrect	(0)		

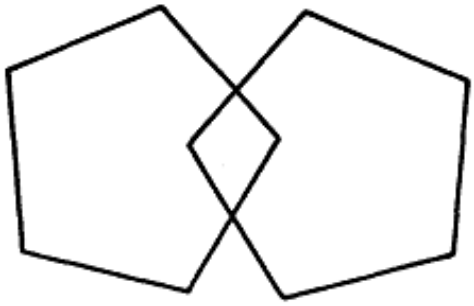
Administer hidden objects if First Word Recall is unsuccessful.

HIDDEN OBJECTS: Only administer hidden objects if the First Word Recall is unsuccessful			
What do you call this? (Show a Comb, a Flashlight and a Spoon) ***Now I am going to ask you to hide these three things.*** [Tell person where to hide objects.] ***Remember where you put them.*** [If person cannot move, hide objects and say "Watch me."	COMB	Correct (1)	Incorrect (0)
	FLASHLIGHT	Correct (1)	Incorrect (0)
	SPOON	Correct (1)	Incorrect (0)
<u>Pronator Drift</u> ***Please close your eyes and hold your hands out in front of you with the palms up.*** (Wait 5 seconds) ***You can open your eyes and drop your hands.***	Indicate if observe:		
	Right arm drifts downward	Yes	No
	Left arm drifts downward	Yes	No
	Right arm rotates	Yes	No
	Left arm rotates	Yes	No
	Asymmetrical response	Yes	No
	Not evaluated	Yes	
(Assure a delay of at least 30 seconds but not more than 1 monute and 30 seconds between hiding objects and finding them. To fill the time, use these questions)			
Are you eating well?	There is not enough food	Not very well	Good
Do you fall sometimes?	No answer (Why no answer?)	No	Yes
If "YES", ask: *Were you hurt?*		No	Yes
What were the three objects that we hid?	COMB	No	Yes
	FLASHLIGHT	No	Yes
	SPOON	No	Yes
Can you find those three things that we hid?	Indicate # of items found spontaneously:		
	Had to provide hints:	No	Yes
Notes:			

Interviewer indicate if hearing problems interfered with testing: YES NO Partially

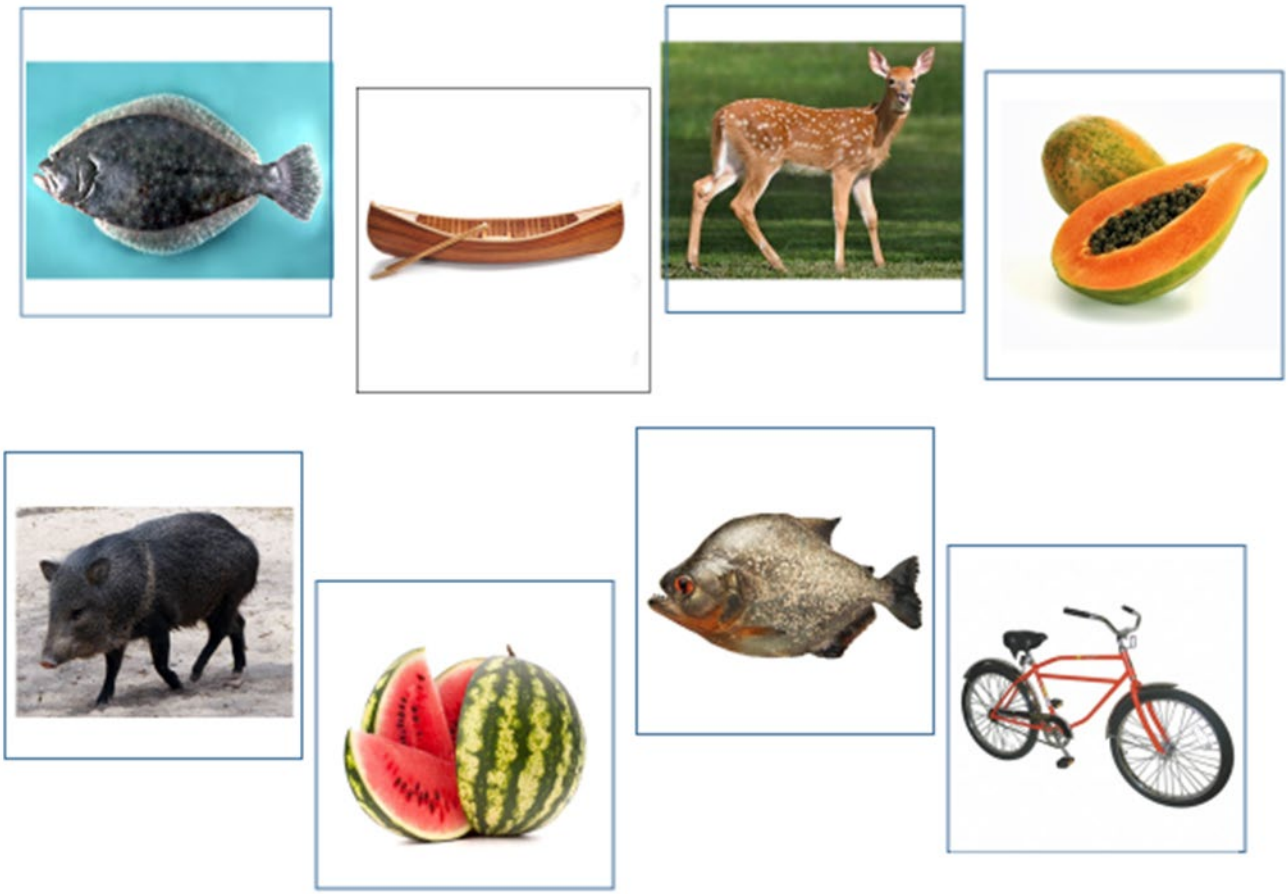
Interviewer indicate if vision problems interfered with testing: YES NO Partially

CLOSE YOUR EYES



Version 2Ene2024

Version 2Ene2024



References

3MS

Teng EL, Chui HC. The Modified Mini-Mental State (3MS) examination. *J Clin Psychiatry*. 1987;**48**:314-318.

MMSE

Folstein MF, Folstein SE, McHugh PR. "Mini-mental state". A practical method for grading the cognitive state of patients for the clinician. J Psychiatr Res. 1975;**12**:189-198