Diagnostic

Assessment Of

Dementia for LASI

Wave 2. PRIMARY Respondent INTERVIEW

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**[Changes or additions for Wave 2 indicated in blue font]**

# SECTION INTRO–Introducing Respondent Interview

VOL\_STMT

Before we begin, I want you to know that this interview is completely voluntary. If we should come to any question that you don't want to answer, just let me know and I will go on to the next question. Your identity as a participant and any personally identifying information you provide will be kept confidential.

We may report to state or local officials, evidence of harm or abuse to any vulnerable person, but we will not ask you any questions about such topics.

An Indian Council of Medical Research Approval covers this research to help ensure your privacy. This certificate can help protect the investigators from being forced to release any research information that identifies you.

RecordedIW\_Consent

This Interview with you may be recorded for quality control purposes. Do you agree for this interview to be recorded?

IWER: Has the Respondent consented to the digital recording of this interview?

Answering “Yes” to this question will allow DRI to start.

1= Consent to record

5=No consent to record

INTRO 101

INTRO SCRIPT

Thank you for agreeing to participate in this study. For this interview, I will be asking you to complete a series of memory, thinking, and other tasks. Some of them may be easy and some may be hard. When we are done, I will ask [CAPI: INF Name] to also complete a short questionnaire.

101a. Before we start, I would like to know if you have any difficulty in hearing or seeing.

1 Yes, difficulty in hearing

2 Yes, difficulty in seeing

3 None

CAPI: Allow multiple options but freeze other options if “None”

101b. Thinking about last night, how would you rate your sleep quality.

1 Very good

2 Good

3 Average

4 Poor

5 Very poor

101c. Part of this study is concerned with people’s memory and ability to think about things. First, how would you rate your memory at the present time? Would you say it is… [READ OUT]…

1. Very good
2. Good
3. Average
4. Poor
5. Very poor

101d. Compared to two years ago, would you say your memory is… [READ OUT]…

1. Better now
2. About the same
3. Worse now than it was then

101e. How would you rate your other mental abilities such as thinking clearly and solving problems at the present time? Would you say they are … [READ OUT] …

1. Very good
2. Good
3. Average
4. Poor
5. Very poor

101f. Compared to two years ago, would you say your other mental abilities are … [READ OUT]…

1. Better now
2. About the same
3. Worse now than it was then

Now we will do the memory and concentration tasks. Some of them may seem rather easy but others are more difficult so please listen carefully. The tasks are designed so no one gets the highest score possible. Please just do the best you can on all of them.

[IWER: Before starting the tests, make sure respondent has glasses etc. if needed. Press continue to proceed]

# SECTION DM–Demographics

DM\_Gender. [Instruction for the interviewer: Record sex of the respondent. If not clear to the interviewer, please ask the respondent about his/her sex.’

1. Male
2. Female

DM\_Age.

How old are you?

Age in years \_\_\_\_\_

DM\_EDUC1.

Have you ever attended school?

1 = Yes

2 = No

DM\_EDUC2. [CAPI: ask if DM\_EDUC1==1]

What is the highest level of education that respondent completed?

1. Less than Primary school (Standard 1-4)

2. Primary school Completed (Standard 5-7)

3. Middle school Completed (Standard 8- 9)

4. Secondary School/Matriculation completed

5. Higher Secondary/Intermediate/Senior Secondary completed

6. Diploma and certificate holders

7. Graduate degree (B.A., B.Sc., B. Com.) completed

8. Post-graduate degree or (M.A., M.Sc., M. Com.) above (M.Phil, Ph.D.,Post-Doc) completed

9. Professional course/degree (B.Ed, BE, B.Tech, MBBS, BHMS, BAMS, B. Pharm, BCS, BCA, BBA, LLB, BVSc., B. Arch, M.Ed, ME, M.Tech, MD, M.Pharm, MCS, MCA, MBA, LLM, MVSc., M. Arch, MS, CA, CS, CWA)

DM021. What is your current marital status?

1. Currently married
2. Widowed
3. Divorced
4. Separated
5. Deserted
6. Live-in relationship
7. Never married

WE001. Now, I am going to ask you some questions about your work and employment. Have you ever worked for at least 3 months during your lifetime? Work includes agricultural work, wage work, self-employed activities, and unpaid family business work. Work also includes all kinds of labor, excluding doing your own housework, whether you earn wages or not.

1. Yes

5. No

WE004. Are you currently working?

1. Yes

5. No

WE005. [Ask if WE001==1 and WE004==5]. Why did you stop working? Would any of the following apply to you?

1. Temporarily laid off, on sick or other leave, or in job training
2. Unemployed and looking for job
3. Disabled
4. Homemaker
5. Other, please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_

WE027. [Ask if WE004==1 or WE005==1] What is your occupation. Please specify.

1. Legislators, senior officials, and Managers
2. Professionals
3. Technicians and associate professionals
4. Clerks
5. Service workers and shop and market sales workers
6. Skilled agricultural and fishery workers
7. Craft and related trade workers
8. Plant and machine operators and assemblers
9. Elementary occupations
10. Workers not classified anywhere

11. Other, please specify \_\_\_\_\_\_\_\_\_\_\_\_\_

# SECTION LT–Literacy Test

***Interviewer to the respondent:*** “Now I will ask you to read this story aloud, but carefully. We will be recording your voice as you read the passage. When you finish, I will ask you some questions about what you have read. When I say, “Begin,” read the story as best as you can. If you come to a word you do not know, go on to the next word. Ready? Begin.

LT\_reading

1 Continue

2 Respondent cannot read

3 Respondent cannot see

4 Language barrier

**Reading Passage:**

Gita goes to school every day. Her mother gave her a book. The book had a red cover. Gita read the book every morning on her way to school. Gita learned many new words from the book. That made her teacher happy. The teacher gave Gita another book. It had nice stories. She showed it to all her friends.

After the respondent is finished reading, stop recording and REMOVE the story from in front of the respondent.

***Interviewer to the respondent:*** “Now I am going to ask you a few questions about the story you just read. Try to answer the questions as well as you can.”

LT\_201

Where does Gita go every day?

[*School]*

1. Correct

5. Incorrect

What did Gita do on her way to school?

*[Read or read the book]*

1. Correct

5. Incorrect

What did Gita learn from the book?

*[words or new words]*

1. Correct

5. Incorrect

Who gave another book to Gita?

*[Teacher]*

1. Correct

5. Incorrect

What did Gita do with the book that the teacher gave her?

*[Showed it to all of her friends.]*

1. Correct

5. Incorrect

**Questions for the interviewer:**

Q1: Did the respondent complete the reading comprehension task?

1. Yes, fully completed.
2. Partially completed. The respondent was able to read part of the passage.
3. No. The respondent was not able to read any of the passage.

# SECTION HMSE–Hindi Mental State Exam

*[PROGRAMMER NOTE: DON'T KNOW/DK AND REFUSE/RF ARE NOT RECORDED FOR RETRIEVAL FLUENCY TEST]*

*Now I would like you to ask some questions about time.*

MMSE102\_Year

What is the year?

1 = Correct

5= Error

MMSE103\_Season

What is the season of the year?

1 = Correct

5= Error

MMSE104\_Date

What is the date?

1 = Correct

5 = Error

MMSE105\_Day

What is the day of the week?

1 = Correct

5 = Error

MMSE106\_Month

What is the month?

1 = Correct

5 = Error

MMSE107\_State

Can you tell me where we are right now? For instance, what state are we in?

1 = Correct

5 = Error

MMSE108\_City/Village

What city or village are we in?

1 = Correct

5 = Error

MMSE109\_Floor\_home

What is this place used for?

1 = Correct

5 = Error

MMSE 110\_Name\_home

What is the name of this district?

1 = Correct

5= Error

MMSE111\_Address

What is your home address?

IWER: If there, is no answer or don't know, ask follow up question “name of village, house number or any landmark

Full address is not required, street name is enough.

1 = Correct

5= Error

MMSE112\_Trial1

I am going to name three objects. After I have said them, I want you to repeat them. Remember what they are because I am going to ask you to name them again in a few minutes.

Mango, Chair, Coin.

Please repeat the names for me.

INTERVIEWER PLEASE ENTER THE NUMBER OF WORDS CORRECTLY RECALLED. RANGE 1-3 FOR CORRECT WORDS RECALLED; INVALID ENTRY 4-96.

IF ALL 3 ARE NOT RECALLED CORRECTLY, GO ON TO TRIAL 2, OTHERWISE SKIP TO MMSE\_Instruction.

MMSE112\_Incorrect1

INTERVIEWER PLEASE ENTER THE NUMBER OF INCORRECT WORDS MENTIONED BY THE RESPONDENT, RANGE 0 TO 3 MAX.

MMSE112\_Trial2

I am going to read the three objects again. After I have said them, I want you to repeat them. Mango, Chair, Coin. Please repeat the names for me.

INTERVIEWER PLEASE ENTER THE NUMBER OF WORDS CORRECTLY RECALLED.RANGE 1-3 FOR CORRECT WORDS RECALLED; INVALID ENTRY 4-96.

IF ALL 3 ARE NOT RECALLED CORRECTLY, GO ON TO TRIAL 3, OTHERWISE SKIP TO MMSE\_Instruction

MMSE112\_Incorrect2

INTERVIEWER PLEASE ENTER THE NUMBER OF INCORRECT WORDS MENTIONED BY THE RESPONDENT, RANGE 0 TO 3 MAX.

MMSE112\_Trial3

I am going to read the three objects again. After I have said them, I want you to repeat them. Mango, Chair, Coin. Please repeat the names for me.

INTERVIEWER PLEASE ENTER THE NUMBER OF WORDS CORRECTLY RECALLED.RANGE 1-3 FOR CORRECT WORDS RECALLED;. INVALID ENTRY 4-96.

MMSE112\_Incorrect3

INTERVIEWER PLEASE ENTER THE NUMBER OF INCORRECT WORDS MENTIONED BY THE RESPONDENT, RANGE 0 TO 3 MAX.

MMSE\_Instruction

IWER: SAY THE FOLLOWING TO R AFFTER ALL TRIALS

Please try to remember the three things I told you, I will ask again after sometime.

MMSE113\_BACKWARD\_Intro 1

Now please list days of the week forward. Please start from Sunday.

INTERVIEWER RECORD THE NUMBER OF DAYS GIVEN IN CORRECT ORDER;

MMSE113\_BACKWARD\_Intro 2

Now please list days of the week backwards, again starting from Sunday.

INTERVIEWER RECORD THE NUMBER OF DAYS GIVEN IN CORRECT ORDER;

MMSE114\_Delayed

What were the three objects I asked you to remember?

INTERVIEWER PLEASE ENTER THE NUMBER OF WORDS CORRECTLY RECALLED; RANGE 1-3 FOR CORRECT WORDS RECALLED; INVALID ENTRY 4-96.

MMSE114\_Incorrect

INTERVIEWER PLEASE ENTER THE NUMBER OF INCORRECT WORDS MENTIONED BY THE RESPONDENT, RANGE 0 TO 3 MAX.

MMSE115\_WATCH

INTERVIEWER, POINT TO YOUR WATCH (NOT DIAL) AND ASK:

What is this called?

1 = Correct

5 = Error

MMSE115\_PENCIL

INTERVIEWER, SHOW YOUR PENCIL AND ASK:

What is this called?

1 = Correct

5 = Error

MMSE116\_Repeat

I would like you to repeat a phrase after me. The phrase is: “Neither this nor that”

IWER: ALLOW ONLY ONE ATTEMPT TO REPEAT THE PHRASE

IWER: YOU CAN REPEAT THE PHRASE UP TO FIVE ‘5’ TIMES IF THE RESPONDENT IS STRUGGLING TO HEAR THE PHRASE

IWER: You cannot repeat it if the Respondent already attempted the phrase

1 = Correct

5 = Error

MMSE117

Can you read and write?

1= Yes [CAPI: Go to MMSE117\_READ]

5= No [CAPI: Go to MMSE117\_COPY]

MMSE117\_READ Read the words on this page, then do what it says.

INTERVIEWER HANDS PAGE TO PARTICIPANT, WHICH SAYS “Close your eyes”

1 = Respondent closed eyes; Correct

2 = Correct, Respondent read the phrase aloud

5 = Error/Omission (e.g. Respondent did not close eyes)

97 = Respondent cannot see

MMSE117\_COPY Look at my face and do exactly what I do.

IWER: CLOSE YOUR OWN EYES FOR 3 SECONDS. OPEN YOUR EYES AND THEN RECORD WHETHER R CLOSED HIS/HER EYES.

1= R closed eyes

5= R did not close eyes

97 = Respondent cannot see

MMSE118\_Hand

Please listen carefully, I can only say the following instructions once.

I am going to give you a piece of paper. When I do, take the paper in your right hand, fold the paper in half with both hands, and give the paper back to me.

IWER: YOU CAN READ THIS INSTRUCTION ONLY ONCE

INTERVIEWER, DO NOT REPEAT INSTRUCTIONS UNLESS RESPONDENT DIDN’T HEAR THE INSTRUCTION AND DO NOT COACH.

1 = CORRECT (IF PARTICIPANT TAKES THE PAPER WITH HER/HIS RIGHT-HAND)

5 = ERROR (IF THE PARTICIPANT DOES NOT TAKE THE PAPER WITH THE RIGHT-HAND)

MMSE118\_FOLDS

1 = CORRECT (IF PARTICIPANT FOLDS THE PAPER IN HALF WITH BOTH HANDS)

5 = ERROR (IF THE PARTICIPANT DOES NOT FOLD THE PAPER IN HALF WITH BOTH HANDS)

MMSE118\_BACK

1 = CORRECT (IF PARTICIPANT GIVES THE PAPER BACK TO IWER)

5 = ERROR (IF THE PARTICIPANT DOES NOT GIVE THE PAPER BACK)

MMSE119\_SENTENCE

[CAPI: Go to MMSE119\_WRITE if MMSE117 =1]

[CAPI: Go to MMSE119\_SAY if MMSE117 =5]

MMSE119\_WRITE Write any complete sentence on that piece of paper for me.

IWER: MAKE SURE TO TAKE SHEET OF PAPER BACK TO CHECK AND SCORE CORRECTNESS OF SENTENCE.

1 = Correct

2 = Correct, writes full name

5 = Error

MMSE119\_SAY Please tell me something about your house.

1= R said one full sentence

5= R could not say a full sentence

MMSE120\_Draw

Here is a drawing. Please copy the drawing in the space below.

IWER: Give one minute. If the R is still working after 1 minute, please note the figure drawn in 1 minute and draw it on the CAPI.

IWER: SCORE CORRECT IF:

1. There are two five-sided figures which intersect to form a four-sided figure and
2. All angles in the five-sided figure must be preserved.

1 = Correct

5 = Error

# SECTION HT–HRS TICS

HT101\_INTRO

Now I'm going to ask you for the names of some people and things.

HT102\_SCISSORS

What do people usually use to cut paper?

1. SCISSORS OR SHEARS ONLY

5. NOT CORRECT

HT103\_TREE

What do you call the thing that is living that has roots, branches, and leaves?

1. TREE

5. NOT CORRECT

HT104\_PM

Who is the Prime Minister of India right now?

1. LAST NAME (MODI)CORRECT

5. NOT CORRECT

# SECTION WR–Word Recall

WR101\_INTRO

Next, I will read a set of 10 words and ask you to recall as many as you can. We have purposely made the list long so that it will be difficult for anyone to recall all the words. Most people recall just a few. Please listen carefully as I read the list of words because I cannot repeat them. When I finish, I will ask you to recall aloud as many of the words as you can, in any order. Is this clear?

[IWER: PROBE AS NEEDED FOR UNDERSTANDING OF TASK. READ THE ITEMS AT A SLOW, STEADY RATE, ALLOWING R TO REPEAT THE WORD BEFORE MOVING ON TO THE NEXT WORD ON THE LIST.]

1 = Continue

WR102\_TRIAL 1\_LIST

IWER: READ EACH WORD, AND LET R REPEAT THE WORD BEFORE YOU SAY THE NEXT WORD ON THE SCREEN.

Please repeat each word after me

[Butter, Arm, Corner, Letter, Queen, Book, Stick, Ticket, Grass, Stone]

WR102a

Now please tell me the words you can recall.

IWER: PERMIT as much time as R wishes – up to about 2 minutes

IWER: Choose each word as it is recalled CORRECTLY.

CAPI: Please add three words from MMSE: Mango, Chair & coin on same screen

Keep track of the number of INCORRECT words recalled, as that number will be asked about next.

IWER: Choose **No Words Remembered** if no words at all are remembered.

WR103 INTRO\_

I am going to read you the same list of words in a different order. When I am done, please say out loud the words from this list you can recall. Are you ready?

WR103

IWER: READ EACH WORD, AND LET R REPEAT THE WORD BEFORE YOU SAY THE NEXT WORD ON THE SCREEN.

Please repeat each word after me

[Ticket, Book, Butter, Corner, Stone, Arm, Queen, Letter, Stick, Grass]

WR103a

Now please tell me the words you can recall.

IWER: PERMIT as much time as R wishes – up to about 2 minutes

IWER: Choose each word as it is recalled CORRECTLY.

CAPI: Please add three words from MMSE: Mango, Chair & coin on same screen

Keep track of the number of INCORRECT words recalled, as that number will be asked about next.

IWER: Choose **No Words Remembered** if no words at all are remembered.

WR104 INTRO\_

I am going to read you the same list of words in a different order. When I am done, please say out loud the words from this list you can recall. Are you ready?

READ EACH WORD, AND LET R REPEAT THE WORD BEFORE YOU SAY THE NEXT WORD ON THE SCREEN.

Please repeat word each after me

[Queen, Grass, Arm, Book, Stick, Corner, Butter, Stone, Ticket, Letter]

WR104a

Now please tell me the words you can recall.

IWER: PERMIT as much time as R wishes – up to about 2 minutes

IWER: Choose each word as it is recalled CORRECTLY.

CAPI: Please add three words from MMSE: Mango, Chair & coin on same screen

Keep track of the number of INCORRECT words recalled, as that number will be asked about next.

IWER: Choose **No Words Remembered** if no words at all are remembered.

WR105

IWER INDICATE WHETHER ANY OF THE FOLLOWING APPLY TO THE ADMINISTRATION OF THE WORD LISTS

1 = AN INTERRUPTION OCCURRED DURING ADMINISTRATION OF LIST 1

2 = AN INTERRUPTION OCCURRED DURING ADMINISTRATION OF LIST 2

3 = AN INTERRUPTION OCCURRED DURING ADMINISTRATION OF LIST 3

4 = RESPONDENT HAD DIFFICULTY HEARING THE WORDS

0= NO ISSUES OCCURRED

# SECTION Digit Span Forward and Backward

DS001

I will now read you a list of digits. Please repeat them to me in the order that you hear them.

IWER: READ LIST OF DIGITS 1 DIGIT PER SECOND.

2...1...8...5...4

IWER: DID THE RESPONDENT REPEAT ALL 5 DIGITS CORRECTLY IN THE FORWARD ORDER?

1=Yes

5=No

DS002

I will again read you a list of digits. Please repeat them to me in the backward order that you hear them. "For example, if I said 8-5 you would say 5-8"

IWER: READ LIST OF DIGITS 1 DIGIT PER SECOND.

7...4...2

IWER: DID THE RESPONDENT REPEAT ALL 3 DIGITS CORRECTLY IN THE BACKWARD ORDER (2,4,7)?

1=Yes

5=No

# SECTION SC –Symbol Cancellation

[IWER: REFER TO SHEET OF FIGURES BORROWED FROM MHAS]

Please find the figures that look like this one on the next page.

Find as many as you can and draw a circle around each figure, like I am doing it (Interviewer: CIRCLE AN EXAMPLE ON THE MIDDLE OF THE PAGE).

Circle only the figures that are exactly like this one.

Please start from top of the page from left, line by line. Work as fast as you can until I tell you to stop.

IWER: GIVE 60 SECONDS. KEEP IN MIND THAT THE RESPONDENT HAS TO GO FROM LEFT TO RIGHT, LINE BY LINE. DON’T ALLOW TO MARK AT RANDOM.

If R begins circling symbols randomly, stop him/her and say “remember it is important to go line by line, please continue". Do not stop timing.

IWER:

5= Physical limitation on hands [CAPI: skip to next section]

6= Visual limitation [CAPI: skip to next section]

# SECTION DR–Delayed Recall

DR 100

A little while ago, I read you a list of words and you repeated the ones you could remember. Now I want you to try to recall as many of those 10 words as you can. OK, now tell me as many of those ten words as you can remember.

IWER: PERMIT as much time as R wishes – up to about 2 minutes

IWER: Choose each word as it is recalled CORRECTLY.

CAPI: Please add three words from MMSE: Mango, Chair & coin on same screen

Keep track of the number of INCORRECT words recalled, as that number will be asked about next.

IWER: Choose **No Words Remembered** if no words at all are remembered.

# SECTION WRE – Word List Recognition

WRE\_Intro

Now I am going to read you a list of words. Some of the words are from the list I read to you earlier and some of the words I haven't read to you before. I want you to say **YES** if the word I read you is one you heard earlier and **NO** if it is not a word you heard earlier. Do you have any questions? Are you ready?

WRE\_100

Temple

1 = Yes 5 = No

WRE\_101

Tea

1 = Yes 5 = No

WRE\_102

Butter

1 = Yes 5 = No

WRE\_103

Key

1 = Yes 5 = No

WRE\_104

Arm

1 = Yes 5= No

WRE\_105

Corner

1 = Yes 5 = No

WRE\_106

Five

1 = Yes 5 = No

WRE\_107

Letter

1 = Yes 5 = No

WRE\_108

Hotel

1 = Yes 5 = No

WRE\_109

Mountain

1 = Yes 5 = No

WRE\_110

Queen

1 = Yes 5 = No

WRE\_111

Book

1 = Yes 5 = No

WRE\_112

Slipper

1 = Yes 5 = No

WRE\_113

Stick

1 = Yes 5 = No

WRE\_114

Village

1 = Yes 5 = No

WRE\_115

String

1 = Yes 5 = No

WRE\_116

Ticket

1 = Yes 5 = No

WRE\_117

Troops

1 = Yes 5= No

WRE\_118

Grass

1 = Yes 5 = No

WRE\_119

Stone

1 = Yes 5 = No

# SECTION LM1 – Logical Memory 1

BRAVE\_INTRO

Now I will read a short story. I will then ask you to repeat as much of the story as you can remember. I want you to listen very carefully because I want you to try to tell me the whole story with as many details as you can remember.

IWER: If the Respondent refuses to complete this task, skip to the next section WRE\_INTRO.

IWER: Make sure that R is ready before reading the story.

“Three children were alone at home and the house caught on fire. A brave man managed to climb in a back window and carry them to safety. Aside from minor cuts and bruises, all were well.”

BM\_1

Now I would like for you to tell me the story in as much detail as possible.

IWER: Listen for story points

IF RESPONDENT SAYS THEY CANNOT REMEMBER THE STORY, CHOOSE “Respondent cannot remember”.

ENTER all that apply

PROBE: Anything else?

R said the exact words gave gist

1. Three children
2. Alone at home
3. House caught on fire
4. Brave man
5. Climbed
6. Back window
7. Carry to safety
8. Minor cuts
9. bruises
10. all were well

LM1B\_INTRO

I am going to read a short story to you. Listen carefully and try to remember it just the way I say it, as close to the same words as you can remember. When I am through, I want you to tell me everything I read to you. You should tell me all you can remember even if you are not sure. Ready?

IWER: If the Respondent refuses to complete this task, skip to the next section WRE\_INTRO.

IWER: Make sure that R is ready before reading the story.

Manju Rani from East Delhi, employed as a cook in a school canteen, reported at the police station that she had been held up at Ramnagar Junction the night before and robbed of two hundred and fifty rupees. She had four small children, the rent was due, and they had not eaten for two days. The police, touched by the woman’s story, took up a collection for her.

1 = CONTINUE

LM1B\_1

Tell me everything you can remember about this story. Start at the beginning.

IWER: Listen for story points

IF RESPONDENT SAYS THEY CANNOT REMEMBER THE STORY, CHOOSE “Respondent cannot remember”.

ENTER all that apply

PROBE: Any others?

gave gist exact words

1. Manju
2. Rani
3. From East
4. Delhi,
5. Employed
6. as a cook
7. in a school
8. canteen,
9. reported
10. at the police
11. station
12. that she had been held up
13. at Ramnagar Junction
14. the night before
15. and robbed
16. of two hundred and fifty rupees.
17. She had four
18. small children
19. the rent was due
20. and they had not eaten
21. for two days.
22. The police,
23. touched by the woman’s story,
24. took up a collection
25. for her

# SECTION CP – Constructional Praxis

CP\_CIRCLE\_A

Now here is a circle I would like you to draw. Copy it just below it.

Present the page with the circle to the subject and point to the lowerhalf of the page.

IWER: GIVE RESPONDENT ONE OR TWO MINUTES TO DRAW EACH FIGURE

IWER: REPEAT THE INSTRUCTIONS ONCE IF THE RESPONDENT DOES NOT UNDERSTAND THE FIRST TIME

IWER: IF RESPONDENT CANNOT DRAW THE FIGURE IN 1 MINUTE, REASSURE AND SELECT “Respondent Cannot Draw”.

IWER: RESPONDENTS SHOULD USE A PENCIL AND ARE ALLOWED TO ERASE ERRORS

IWER: ALLOW MULTIPLE SELF-STARTS BUT DO NOT ENCOURAGE REPEATED ATTEMPTS

cp\_diamond\_A

Next, present item #2, a diamond, and say:

Now here's a drawing of a diamond. Copy it as best you can, just below it.

cp\_rectangles\_A

Next, present item #3, OVERLAPPING RECTANGLES, and say:

That's fine. Now draw this third figure.

CP\_CUBE­\_A

Next, present item #4, A CUBE, and say:

This is the hardest figure to draw, but take your time.

# SECTION LMD– Logical Memory Delayed

IF BRAVE\_INTRO AND LM1B\_INTRO WAS REFUSED GO TO SECTION SCT.

LM2\_INTRO

A while back I read you two stories and asked you to tell me everything about the stories that you could remember. I would like to know if you still remember anything from these stories. Thinking back to the first story I told you, tell me everything that you remember about it. Start at the beginning.

IWER: The Respondent could begin recalling story points from the first or the second story.

IWER: If the Respondent refuses to complete this task, skip to the next section SCT.

Select the story points and begin scoring

BM2\_Recall

IWER: Listen for story points

IF RESPONDENT SAYS THEY CANNOT REMEMBER THE STORY, CHOOSE “R cannot remember the story”

ENTER all that apply

PROBE: Anything else?

R said the exact words gave gist

1. Three children
2. Alone at home
3. House caught on fire
4. Brave man
5. Climbed
6. Back window
7. Carry to safety
8. Minor cuts
9. bruises
10. all were well

LM2B\_1

IWER: Which is the first story Respondent started with?

Story 1= Brave Man, House on fire, children rescued

Story 2= Manju Rani, from East Delhi, who was robbed

IF LM1B\_INTRO WAS REFUSED GO TO SECTION, SCT.

IWER: If the Respondent refuses to complete this task, skip to the next section SCT.

CAPI: Select the word “second or first “ depending upon LM2B\_1

Thank you. Now thinking back to the second story I told you, tell me everything that you remember about it. Start at the beginning.

IWER: LISTEN FOR STORY POINTS

IF RESPONDENT SAYS HE/SHE CANNOT REMEMBER THE STORY, CHOOSE “R cannot remember the story”.

ENTER ALL THAT APPLY

PROBE: Anything else?

R said the exact words gave gist

1. Manju
2. Rani
3. From East
4. Delhi,
5. Employed
6. as a cook
7. in a school
8. canteen,
9. reported
10. at the police
11. station
12. that she had been held up
13. at Ramnagar Junction
14. the night before
15. and robbed
16. of two hundred and fifty rupees.
17. She had four
18. small children
19. the rent was due
20. and they had not eaten
21. for two days.
22. The police,
23. touched by the woman’s story,
24. took up a collection
25. for her

LM2B\_FILTER

If LM2C\_1 = [1 through 25 or CODE 97] THEN SKIP TO LM2\_RECOG\_INTRO

If LM2C\_1 NE (not equal) [1 through 6 or CODE 97] (meaning it hasn’t been completed yet), THEN SKIP TO LM2C\_1

IWER CHECKPOINT1: Did the Respondent confuse or mix up story points from Story 1 and Story 2?

IWER CHECKPOINT2: Did the respondent mention story points that DID NOT belong to either story?

LM2\_RECOG\_INTRO

Now I would like to ask you some questions about the second story I read to you earlier.

1 = CONTINUE

LM2B\_2

Thinking about the second story I read to you, was the woman’s name Anju Rani?

1 = YES

5 = NO

LM2B\_3

Was the story set in East Delhi?

1 = YES

5 = NO

LM2B\_4

Was the woman a cook?

1 = YES

5 = NO

LM2B\_5

Did she work in a restaurant?

1 = YES

5 = NO

LM2B\_6

Did she have four children?

1 = YES

5 = NO

LM2B\_7

Were the children teenagers?

1 = YES

5 = NO

LM2B\_8

Did the robbery take place on Motinagar Junction?

1 = YES

5 = NO

LM2B\_9

Did the woman report being robbed two nights before?

1 = YES

5 = NO

LM2B\_10

Did she report the robbery at the police station?

1 = YES

5 = NO

LM2B\_11

Was the woman robbed of four hundred and fifty rupees?

1 = YES

5 = NO

LM2B\_12

Did the family go without food for four days?

1 = YES

5 = NO

LM2B\_13

Was the rent due?

1 = YES

5 = NO

LM2B\_14

Did the police catch the thief?

1 = YES

5 = NO

LM2B\_15

Did the police feel sorry for the woman?

1 = YES

5 = NO

LM2B\_16

Did the police take up a collection?

1 = YES

5 = NO

# SECTION RF–Retrieval Fluency

RF101\_Intro

RF INTRODUCTION ANIMAL NAMING

Now I want to see how many different animals you can name.

You will have 60 seconds. When I say, `Begin’, say the animal names as fast as you can.

IWER: GET READY TO TIME 60 SECONDS. REPEAT INSTRUCTIONS IF NECESSARY.

IWER: START RECORDING THE RESPONSES.

IWER: Start timing; Write down all the responses on assessment sheet.

Are you ready? (PAUSE.) Begin.

CONTINUE

RF102\_AnimalResponses

RF ANIMAL NAMING RESPONSES

IWER: If R has not mentioned any animals for about 10 seconds, probe: `Anything else?’

IWER: If no, select end task.

IWER: Instruct the R to stop as soon as the timer reaches 60 seconds. Then select end task.

RF103\_AnimalAnswers

RF TOTAL ANIMAL ANSWERS

IWER: Count categories of animals (e.g., dog), as well as specific types (e.g., collie, terrier) as correct.

IWER: Count repeated items as repetitions.

|  |
| --- |
|  |
| TOTAL ANIMAL ANSWERS |

|  |
| --- |
|  |
| NUMBER OF INCORRECT NAMES |

|  |
| --- |
|  |
| NUMBER OF REPETITIONS |

*NOTE: THESE ARE CALCULATED BY INTERVIEWER/CAPI.*

RF104 BRANCHPOINT: IF R DID NOT RESPOND WITH ANY ANIMAL ANSWERS (RF103=EMPTY), GO TO RF106.

RF106\_AnimalProblems

RF ANIMAL WHETHER ANY PROBLEMS OCCURRED

IWER: PLEASE INDICATE WHETHER ANY PROBLEMS OCCURRED IN RELATION TO ANIMAL NAMING.

IWER: CHOOSE ALL THAT APPLY.

IWER: R ENDING BEFORE 60 SECONDS EXPIRED IS NOT A PROBLEM AND NEED NOT BE REPORTED.

1. INTERRUPTION DURING 60 SEC RESPONSE PERIOD

3. TECHNICAL/COMPUTER PROBLEM

4. R DID NOT UNDERSTAND TASK

5. OTHER (SPECIFY) \_\_\_\_\_\_\_\_\_\_\_\_ RF107 SPECIFY

6. NO PROBLEMS OCCURRED

*PROGRAMMER NOTE: THE IWER MAY CHOOSE ANY COMBINATION OF SELECTIONS 1, 2, 4, AND 5, OR CODE 6 OR DK SINGLY.*

# SECTION CPR– Constructional Praxis Recall

CPR\_INTRO

A while ago I showed you some drawings on the screen. You looked at each drawing and then drew it on the same space. I would like for you to draw them here, this time from memory.

IWER: GIVE R tablet TO DRAW SHAPES.

IWER: ALLOW RESPONDENT UP TO 8 MINUTES TO DRAW ALL 4 SHAPES

97 = RESPONDENT CANNOT DRAW

Clock Drawing

CD\_1 Please draw a clock showing the time of ten past eleven.

IWER: GIVE RESPONDENT ONE OR TWO MINUTES TO DRAW THE CLOCK. REPEAT THE INSTRUCTIONS ONCE IF THE RESPONDENT DOES NOT UNDERSTAND THE FIRST TIME. RESPONDENTS SHOULD USE A STYLUS AND ARE ALLOWED TO ERASE ERRORS. ALLOW MULTIPLE SELF-STARTS BUT DO NOT ENCOURAGE REPEATED ATTEMPTS

CD3 Which parts of the clock did the respondent draw correctly (Select all that apply)

1. Contour
2. Numbers
3. Hands
4. None of the above

# SECTION RV - RAVEN’s

RV\_A1

Next we will look at pictures.

On the next screen you will see a pattern with a piece cut out of it. Each of these pieces below is the right shape to fill the space, but only one of them is the right pattern.

IWER: Explain RAVEN on the next screen.

# SECTION CSI-D

CSID\_Intro

Next, we will be naming things. I will point to something and I would like for you to tell me the name of the object.

CSID1\_Elbow.

IWER: Point to your elbow and say

What do we call this?

1= Correct

5= Incorrect

CSID 2\_Hammer.

What do you do with a hammer?

IWER: Acceptable Answer is: To drive a nail into something

1= Correct

5= Incorrect

CSID3\_Store.Where is the local market/ local store?

IWER:  Code Incorrect if the answer is:

"I don't know"

Name of the store

A very confused answer

Code Correct if the answer is:

A clear description on how to get to the store.

A store address

some correct answers: “it’s a 5 min walk to the main road from where you take a left”, “it’s over there on the edge of the community park”

Probe: “Can you be more specific” if the Respondent answers “it’s right in town” or you can see it on your way to town, or uses another vague answer.

1= Correct

5= Incorrect

CSID4\_Point.Please point first to the window and then to the door.

IWER: Code correct if one of the following:

Point to the window and then the door

Point to the window and then the ceiling – NO door is available

Point to the ceiling and then the door – NO window is available

1= Correct

5= Incorrect

# SECTION GN- Go-NoGo Task

Allow up to 3 practices trials until the subject can correctly respond (for both Part 1 and Part 2).

**Part I:**

"In this task, when I tap the table once, like this (tap), I want you to tap twice. And when I tap twice (tap tap) I want you to tap once. Let's practice.”

“So when I tap once - you tap...?” (subject taps)

“…and when I tap twice (tap tap) - you tap...?” (subject taps)

If incorrect, say "Lets try again: remember when I tap once, you tap twice. And when I tap twice, you tap once - here we go” (examiner repeats above practice trial).  Instructions and practice can be repeated one more time (making a maximum of three times).

If correct, say "OK that's right, remember - I tap once, you tap twice. I tap twice, you tap once. Here we go.”

IWER: Score each response either correct or incorrect.

CAPI: Part I halted after five incorrect responses in a row.

G1\_Trial1 (IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G1\_Trial2 (IWER: Tap two time)

1=CORRECT, R tap one time

5=INCORRECT

G1\_Trial3 ( IWER: Tap two time)

1=CORRECT, R tap one time

5=INCORRECT

G1\_Trial4 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G1\_Trial5 ( IWER: Tap two time)

1=CORRECT, R tap one time

5=INCORRECT

G1\_Trial6 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G1\_Trial7 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G1\_Trial8 ( IWER: Tap two time)

1=CORRECT, R tap one time

5=INCORRECT

G1\_Trial9 ( IWER: Tap two time)

1=CORRECT, R tap one time

5=INCORRECT

G1\_Trial10 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G1\_Total Correct[CAPI generated score] \_\_\_\_

**Part II:**

"Now I am going to change the rules. This time when I tap once, you tap twice just like before. But now when I tap twice you do nothing - OK? Let's practice. So when I tap once (tap), you tap…? And when I tap twice (tap tap), you…?”

If incorrect say "Lets do that again. Remember, when I tap once you tap twice, and when I tap twice you do nothing - let practice again (examiner taps once, then twice). If subject is incorrect, repeat instructions and allow one more practice (making three in all).

When subject has correctly completed the practice items, say "OK that's right. Remember, when I tap once, you tap twice. And when I tap twice, you do nothing - here we go" Examiner always begins the sequence with two taps.

IWER: Score each item correct or incorrect.

CAPI: Part II can be halted after five incorrect responses in a row.

G2\_Trial1 (IWER: Tap two time)

1=CORRECT, R did not tap

5=INCORRECT

G2\_Trial2 (IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G2\_Trial3 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G2\_Trial4 ( IWER: Tap two time)

1=CORRECT, R did not tap

5=INCORRECT

G2\_Trial5 ( IWER: Tap two time)

1=CORRECT, R did not tap

5=INCORRECT

G2\_Trial6 ( IWER: Tap two time)

1=CORRECT, R did not tap

5=INCORRECT

G2\_Trial7 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G2\_Trial8 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G2\_Trial9 ( IWER: Tap one time)

1=CORRECT, R tap two time

5=INCORRECT

G2\_Trial10 ( IWER: Tap two time)

1=CORRECT, R did not tap

5=INCORRECT

G2\_ Total Correct [CAPI generated score] \_\_\_\_

# SECTION TS- Trail Making

I will ask you to use your pen to draw lines on the screen to connect some shapes as fast as you can, I will demonstrate how to do it as we go along.

Watch the respondent carefully as they complete the task. If the respondent makes a mistake, have them start over from the last correct shape and continue from there.

[IWER instruction for 1-4 if R makes mistake] Let’s restart from this point. Remember the task. Connect the circles going from small to large.

[IWER instruction for 5-8 if R makes mistake] Let’s restart from this point. Remember the task. Connect the squares going from large to small.

[IWER instruction for 9-12 if R makes mistake] Let’s restart from this point. Remember the task. Alternakte between the shapes. From the largest square to the smallest circle, then to the next largest square to the next smallest circle.

1. Connect the circles going from small to large.
2. Connect the circles going from small to large.
3. Connect the circles going from small to large.
4. *[leave blank] [No instruction: Respondent has to figure it out without the instruction]*
5. Connect the squares going from large to small.
6. Connect the squares going from large to small.
7. Connect the squares going from large to small.
8. *[leave blank] [No instruction: Respondent has to figure it out without the instruction]*
9. Alternate between the shapes. From the largest square to the smallest circle, then to the next largest square to the next smallest circle. Continue through all the shapes.
10. Alternate between the shapes. From the largest square to the smallest circle, then to the next largest square to the next smallest circle. Continue through all the shapes.
11. Alternate between the shapes. From the largest square to the smallest circle, then to the next largest square to the next smallest circle. Continue through all the shapes.
12. *[leave blank] [No instruction: Respondent has to figure it out without the instruction]*

Task finished, enter outcome and press NEXT to advance.

If there were no issues, click next to move forward.

[Mark all that apply]

* + - 1. Incomplete
      2. Interruptions
      3. Technical problems
      4. Fatigue
      5. Visual problems
      6. Auditory problems
      7. Physical problems with hands
      8. Poor comprehension
      9. Examiner error (leave remark)
      10. Other

# SECTION JP- Judgement & Problem Solving

JP100\_SIMILARITIES

JP\_Intro

Now I would like you to ask about similarities between things.

For example, can you tell me “How are a pencil and pen alike? (writing instruments)

How are these things alike?”

IF R ANSWERS CORRECTLY SAY “Yes, they are both writing instruments”

IF R ANSWERS INCORRECTLY SAY SOMETHING LIKE “Yes, they do have xxxx (e.g. nibs, points) but the main similarity is that they are both writing instruments”.

AFTER THIS GIVE NO MORE ASSISTANCE.

JP100a. Elephant …….Monkey

1. Animals, members of Animal Kingdom

2. Have tails

3. Answers not pertinent, differences

JP100b. Rose ……..Jasmine

1. Both Flowers

2. Both have smell/ have petals

3. Answers not pertinent, differences

JP100c. Table ……..Chair

1. Both Furniture

2. Both wooden/have four legs

3. Answers not pertinent, differences

JP101\_Differences

JP\_intro

Now we would like to ask about differences in things, for example “what is the difference between “ Cow and Crow” (Animal vs Bird)

IF R ANSWERS CORRECTLY SAY “Yes, one is an animal and one is a bird”

IF R ANSWERS INCORRECTLY SAY SOMETHING LIKE “Yes, you’re right they are different because xxxx (e.g. one flies and one walks) but the main difference is that one is an animal and one is a bird”.

AFTER THIS GIVE NO MORE ASSISTANCE.

JP101a. Lie……..Mistake

1. Lie is deliberate, Mistake is unintentional
2. It is okay to do mistake, but lying is wrong
3. Anything else

JP101b. River……..Pond

1. River is flowing water, Pond is non-flowing water.
2. River is bigger, pond is small.
3. Anything else

JP101c. Stone……..Potato

1. Potato can be eaten, stone is inedible.
2. Potato is softer than the stone
3. Anything else

JP102\_Calculations

MH046. A shop is having a sale and selling all items at half price. Before the sale, a sari costs 300 Rs. How much will it cost in the sale?

1. R gave the correct answer of 150 Rs

2. R gave incorrect answer

MH047. If 5 people all have the winning numbers in the lottery and the prize is 1,000 Rs, how much will each of them get?

1. R gave the correct answer of 200 Rs

2. R gave incorrect answer

102a. How many 25paise coins will you give me for one Rupee?

IWER: 4 is correct answer

1= Correct

5= Incorrect

102b. How many 25paise coins will you need to make six and half rupees?

IWER: 26 is correct answer

1= Correct

5= Incorrect

102c. How many bananas can you get for Rs.10 if one costs 50 paise?

IWER:20 is correct answer

1= Correct

2= Incorrect

JP103\_Judgement

JP103a: What will you do if you find a lost child on road?

1. Take the child to Police station

2. Call neighbors/ ask child

3. No clear response

JP103b: What would you do if it started raining heavily while you were out?"

1. Look for the shelter/open the umbrella
2. Continue to be at the same place
3. No clear response

# SECTION SS–Serial 7s

SS\_1

Now let's try some subtraction of numbers. One hundred minus 7 equals what?

IWER: ENTER THE ANSWER R GAVE:

1=\_\_\_\_\_

2=R cannot count [CAPI: Go to CSID

SS\_2 And 7 from that equals what?

IWER: ENTER THE ANSWER R GAVE: \_\_\_\_

SS\_3 And 7 from that equals what?

IWER: ENTER THE ANSWER R GAVE: \_\_\_\_

SS\_4 And 7 from that equals what?

IWER: ENTER THE ANSWER R GAVE: \_\_\_\_

SS\_5 And 7 from that equals what?

IWER: ENTER THE ANSWER R GAVE: \_\_\_\_

SS\_Score [CAPI generated score] \_\_\_\_

# SECTION EF: Executive Function

EF100\_Hindi Hand Sequencing test

EF100a\_Palm-up Palm-down

“Now I’m going to make some hand movements, watch me.

IWER: Demonstrate “the Palm up and Palm down movement” three times

I want you to make the same movement with me and then alone.

IWER: Perform the movements three times with R. If R does not immediately start the movements with you, say “Copy me, do as I am doing”.

EF100b

Now, can you do it on your own.

IWER: Let R repeat the movements for 5 times

2= Correctly repeated all 5 movements

1= Correctly repeated 1-4 movements

5= Incorrect or did not repeat

EF101a\_Clenched-Extended

“Now watch this next movement.

IWER: Demonstrate “Clenched Extended Hand movements” three times.

I want you to make the same movement with me and then alone.

IWER: Perform the movements three times with R. If R does not immediately start the movements with you, say “Copy me, do as I am doing”.

EF101b

Now, can you do it on your own.

IWER: Let R repeat the movements for 5 times

2= Correctly repeated all 5 movements

1= Correctly repeated 1-4 movements

5= Incorrect or did not repeat

EF102a\_FIST-EDGE-PALM

"Now I'm going to make a series of movements with my hand, watch me.

IWER: Demonstrate the sequence three times, FIST-SIDE-PALM; FIST-SIDE-PALM.

I want you to make the same movements with me and then alone."

IWER: Perform the series three times with the R. If R does not immediately start the movements with you, say “Copy me, do as I am doing”

EF 102b

Now, can you do it on your own.

2= Correctly repeated all 5 movements

1= Correctly repeated 1-4 movements

5= Incorrect or did not repeat

EF103\_Token Test

“Now, I’m going to show you some shapes. Look at these shapes.”

IWER: Observe and mark the appropriate option. If participant selects the wrong shape, point to the correct answer choice and make sure participant understands before moving forward.

EF 103a

Can you touch the circle?

EF 103b

Can you touch the square?

EF 103c

Can you touch the diamond?

EF 103d

Now I’m going to ask you to do a task. Look at these shapes with different colors. Can you touch the circle?

EF103e

Touch the yellow square.

EF103f

Touch the large diamond.

EF103g

Touch the black circle then the black diamond.

EF103h

Before touching the blue square, touch the yellow square.

EF103I

After tapping the yellow diamond, tap the blue circle.

EF103J

Instead of tapping the yellow square, tap the black circle.

# SECTION LG–Language Module

(L1 = Mother Tongue, L2 = Language 2, L3=Language 3)

LG001. What is your mother tongue?

|  |  |
| --- | --- |
| 1. Assamese | 14. Nepali |
| 2. Bengali | 15. Odia |
| 3. Bodo | 16. Punjabi |
| 4. Dogri | 17. Rajasthani |
| 5. Gujarati | 18. Sanskrit |
| 6. Hindi | 19. Santali |
| 7. Kannada | 20. Sindhi |
| 8. Kashmiri | 21. Tamil |
| 9. Konkani | 22. Telugu |
| 10. Maithili | 23. Urdu |
| 11. Malayalam | 24. English |
| 12. Manipuri | 25. Other, please specify \_\_\_\_\_\_\_\_\_\_ |
| 13. Marathi | 26. None |

LG002. Do you know any other languages?

1 = Yes

5 = No [Skip to Interviewer Observation section]

LG003. [Ask if LG002==1] Please list all other languages you know in *order of dominance*. (Report up to 2 additional languages)

|  |  |
| --- | --- |
| LG003\_L2 \_\_\_\_\_\_\_\_\_\_ | LG003\_L3 \_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| 1. Assamese | 14. Nepali |
| 2. Bengali | 15. Odia |
| 3. Bodo | 16. Punjabi |
| 4. Dogri | 17. Rajasthani |
| 5. Gujarati | 18. Sanskrit |
| 6. Hindi | 19. Santali |
| 7. Kannada | 20. Sindhi |
| 8. Kashmiri | 21. Tamil |
| 9. Konkani | 22. Telugu |
| 10. Maithili | 23. Urdu |
| 11. Malayalam | 24. English |
| 12. Manipuri | 25. Other, please specify \_\_\_\_\_\_\_\_\_\_ |
| 13. Marathi | 26. None |

LG004. [Ask if LG002==1] At what stage in your life did you acquire this language? [*Repeat for each language reported: L1, L2, and L3]*

* 1. Childhood up to 12 years of age
  2. As a teenager 13-17 years of age
  3. Adulthood 18+ years of age

LG005. [Ask if LG002==1] Where did you learn this language? Multiple answers allowed. [*Repeat for each language reported: L1, L2, and L3]*

1. Speaking with family at home

2. Neighborhood

3. School

* 1. Job
  2. Other, please specify \_\_\_\_\_\_

LG006. [Ask if LG002==1] Please tell us how often you currently use [preload language] in your daily life. [*Repeat for each language reported: L1, L2, and L3]*

1. Nearly every day
2. More than half days
3. Several days
4. Not at all

LG007. [Ask if LG002==1] Please select your level of proficiency as very poor, poor, fair, good, or excellent in understanding, speaking, reading, and writing in [preload language]. [*Repeat 7a-7d for each language reported: L1, L2, and L3]*

7a. Level of proficiency: **Understanding**

1. Very Poor – (cannot do)
2. Poor – (can do with great difficulty)
3. Fair – (can do with moderate difficulty)
4. Good (can do with little difficulty)
5. Excellent (can do very easily and very well)

7b. Level of proficiency: **Speaking**

1. Very Poor – (cannot do)
2. Poor – (can do with great difficulty)
3. Fair – (can do with moderate difficulty)
4. Good – (can do with little difficulty)
5. Excellent – (can do very easily and very well)

7c. Level of proficiency: **Reading**

1. Very Poor – (cannot do)
2. Poor – (can do with great difficulty)
3. Fair – (can do with moderate difficulty)
4. Good – (can do with little difficulty)
5. Excellent – (can do very easily and very well)

7d. Level of proficiency: **Writing**

1. Very Poor – (cannot do)
2. Poor – (can do with great difficulty)
3. Fair – (can do with moderate difficulty)
4. Good – (can do with little difficulty)
5. Excellent – (can do very easily and very well)

LG008. [Ask if LG002==1] Please rate to what extent you are currently exposed to [preload language] every week in the following contexts: [*Repeat 8a-8c for each language reported: L1, L2, and L3]*

8a. Interacting with **family and friends**:

1. Nearly every day
2. More than half days
3. Several days
4. Not at all

8b. Reading

1. Nearly every day
2. More than half days
3. Several days
4. Not at all

8c. Watching TV or listening to music/radio

1. Nearly every day
2. More than half days
3. Several days
4. Not at all

**Story Telling Task** [Ask if LG002==1] [*Repeat 8a-8c for each language reported: L1, L2, and L3]*

On the next screen we will ask you to tell us a story in each of the languages that you are able to speak. You will be able to select stories that you are familiar with. On the screen there will also be an image associated with the story of your choosing. If you do not want to select a story, you can also describe a big festival or celebration you had, or describe a move story that you saw and remember. We want you to tell us the story in as much detail as you recall. We will be recording your responses.

Please select a story that you are familiar with. [Drop down menu]

1. Ramayana
2. Mahabharata
3. Golden egg laying chicken
4. Tortoise & Rabbit race
5. Akbar & Birbal story
6. Fox & grapes story
7. Monkey & Cap seller
8. Thirsty Crow
9. Describe the big festival or celebration you had
10. Describe any movie that you saw and remember (Sholay/ Bahubali).

When I say start, please begin telling us the story of [preload story name] in [preload language]. [repeat for L1, L2, and L3].

Ready? Begin.

*Information for the interviewer*: Respondents are asked to tell a story for the duration of **1 minute (no longer than 2 minutes)** in the languages they reported speaking (up to 3 max; L1, L2, L3).

* Pictures and story prompts are provided at the end of this document.
* Interviewer to record each response on tablet (max of 3 responses per respondent)
* Language experts will listen to the recordings and score the story telling tasks.

Q1. Was the story telling task completed in [preload language]? [*Repeat for each language reported: L1, L2, and L3]*

1. Yes
2. No, respondent cannot speak in [preload language]

# INTERVIEWER OBSERVATION

1. Is the respondent overfriendly, aloof, respond angrily or show inappropriate behavior?

1.Yes 5. No

2. Does have any physical disability affecting cognitive test performance?

1. Yes 🡪 pls describe what the physical disability is

5. No

# MAIN INTERVIEW END

MAINIW\_END

Thank you for completing the main interview.

CAPI CHECK

IWER: Kindly listen to the audio recording of animal names and score RF103, RF105 & RF105.

IWER observation

Tell about Respondent’s inside home environment:

OB001. Noise

quiet (1) – noisy (5)

OB002. Odor

no smell (1) – strong smell (5)

OB003. Air pollution

no air pollution (1) – strong air pollution (5)

OB004. house

very well kept (1) – very poorly kept (needs major repairs) (5)

OB005. Observations about Respondent

(IWER:  see below for expected answer

“Describe respondent’s appearance and behavior, whether normal/ typical or anything unusual;”

“Describe whether interaction between respondent and informant appears unusual or difficult”

“Describe condition of respondent’s home environment”

“If respondent is unable to carry out normal tasks, is it because of changes in his/her mind or physical changes like blindness or arthritis or stroke? Or both?”

“Describe explain anything unusual in the interview or anything that requires further explanation than the recorded responses”)

CAPI: Provide text box for open ended question

OB006. How well kept are the structures in the neighborhood?

1. Very well (all or most structures in good condition)
2. Very poorly (dilapidated structures)

OB007. Which best describes the condition of the road where the home is located?

1. There are no constructed roads
2. Very poor (many sizeable cracks, potholes, or other damage)
3. Very good (no sizeable cracks, potholes or other damage)

OB008. [Ask if OB007==1] If the condition of the road are very poor, is it the result of recent weather events (e.g., heavy rains) or natural disasters (e.g., earthquakes)?

1. Yes
2. No

OB023. Which of the following best describes the main road leading to the respondent’s home?

1. Paved

2. Semi Paved

3. Dirt Road

OB024. Is the main road leading up to the respondent’s home in a hilly area or a flat area?

1. Main road is in a hilly area

2. Main road is in a flat area

OB009. Which best describes the condition of the sidewalks in the area near the home?

1. No sidewalks or protected pedestrian walkways
2. Sidewalks/ protected pedestrian walkways are in poor condition
3. Sidewalks/protected pedestrian walkways are in very good condition

OB010. What is the volume of car/bus/motor/rickshaw traffic in the area near the home?

1. No traffic
2. Heavy (steady stream of cars)

OB011. What is the volume of pedestrian traffic in the area near the home?

1. No traffic
2. Heavy

OB012\_intro. Which of the following are present within sight of the respondent’s home? (select all that apply)

|  |  |  |
| --- | --- | --- |
|  | Yes | No |
| OB012\_1. Public transportation (bus stop or rail station) |  |  |
| OB012\_2. Park, garden, or other green space |  |  |
| OB012\_3. Places for pedestrians to sit (benches) |  |  |
| OB012\_4. Stores or other businesses |  |  |
| OB012\_5. Boarded up structures (e.g. houses or businesses) |  |  |
| OB012\_6. Trash in the street or on the sidewalks |  |  |
| OB012\_7. Vandalism (obvious human-caused damage to the exterior of structures in the area, such as broken windows) |  |  |
| OB012\_8. Damage to buildings caused by a natural disaster (e.g.,earthquake or flood) |  |  |
| OB12\_9. Major construction on nearby buildings |  |  |
| OB012\_10. Major road construction |  |  |
| OB012\_11. Run down or poorly kept public spaces/communal areas |  |  |
| OB012\_12. Open/broken sewage lines |  |  |
| OB012\_13. Dumping grounds |  |  |

OB013. [Ask if OB012\_6==1] What is the amount of trash that is on the sidewalks/road?

1. No trash

2. Few items on the floor and sidewalk

3. Moderate amount of trash

4. A large amount of trash

OB014. Are there trees in the area that provide shade?

1. Yes

2. No

OB015. To what extent does the presence of street vendors block pedestrian walkways?

1. I did not observe street vendors

2. Observed street vendors but walkways were still usable

3. Observed street vendors and walkways were not usable

OB016. What floor does respondent live on?

1. Underground (respondent lives in the basement)

2. Ground Floor / ground level

3. First Floor

4. 2-4 Floors

5. 5 or more floors

OB017. [Ask if OB016==3, 4, or 5] If one or more elevators were present, were the elevators in working order?

1. All working

2. Some working

3. None working

4. No elevators present

OB018. Are stairways present?

1. Yes, inside of the house

2. Yes, outside of the house

3. Yes, both inside and outside

4. No stairways present

OB019. [Ask if OB018==1] Does the stairway have railings?

1. Yes

5. No

OB020. [Ask if OB018==1] Does the stairway have loose steps?

1. Yes

5. No

OB021. [Ask if OB018==1] Does the stairway have adequate lighting?

1. Yes, stairway is well lit

2. No, stairway is dark

OB022. How cluttered was the room where you conducted the interview?

1. No clutter

2. A little clutter

3. Some clutter

4. Very cluttered