

MIDUS 3 Project 7
Retention Early Warning

BTACT Instrument
(Brief Test of Adult Cognition via Telephone)

z5 (Hearing Test)

First I would like to make sure that you are able to hear me clearly.

Please repeat these numbers after me:

2 (two)

8 (eight)

3 (three)

6 (six)

9 (nine)

(Could you hear me clearly?)

INTERVIEWER: IF R IS NOT LOUD ENOUGH, ASK PERSON TO SPEAK UP CLEARLY.

R IS ON A **(LANDLINE/CELLPHONE)**

z10

Now you will hear some words and numbers. Please do not use a paper and pencil for any of the questions. This portion of the study requires that you be free of distractions and interruptions for about 10 minutes.

We suggest that you close your eyes while you are doing this to help you concentrate. Some of the questions will be easy for you, and some will be harder. We do not expect anyone to get all of these correct. Just do the best you can. Are you ready?

1 Continue > Go to z100

2 R seems distracted > go to z20

z20 [R DISTRACTED]

You will need to be free of distractions and interruptions for about 10 minutes.

Please turn off any background noise (TV/ radio) and find a quiet place for us to continue this interview.

Do you expect to be free of interruptions and distractions for the next 10 minutes?

INTERVIEWER: THIS STUDY REQUIRES THAT R IS FREE OF DISTRACTIONS AND INTERRUPTIONS. IF YOU DO JUDGE THAT R'S ENVIRONMENT IS NOT CURRENTLY ADEQUATE FOR THE STUDY, ASK THE R TO REDUCE DISTRACTIONS. THEN IF NECESSARY, POSTPONE THE INTERVIEW.

1 R REDUCES DISTRACTIONS, INT JUDGES POSSIBLE TO CONTINUE

2 R CAN/DOES NOT REDUCE DISTRACTIONS, R CANNOT CONTINUE NOW

3 INTERVIEWER DECIDES NOT TO CONTINUE

WORD LIST RECALL TASK (1.5 minutes)

z100

I am going to read a list of 15 words. Listen carefully. When I am finished, you are to repeat as many of the words as you can remember. It doesn't matter in what order you repeat them. Just try to remember as many as you can. I will say each word only one time, and I cannot repeat any words. You will have up to one and a half minutes, and I will not say anything until I tell you that your time is up.

Do you have any questions?

Are you ready?

1=READY, CONTINUE [Go to Z120]

2=NOT READY, WAIT

z110

Please take a moment to get ready. Remember, do not use pencil and paper.

We suggest that you close your eyes to help you concentrate.

z120 [one second interval between each word]

OK. The list is:

INTERVIEWER: AFTER YOU PRESS "CONTINUE", read the words as they appear in the "Banner"

1=CONTINUE

z140

INTERVIEWER: READ THE WORDS AS THEY APPEAR IN THE BANNER

z160

[C7TWLI1-C7TWLI20], [C7TWLITU]

Now please tell me as many words as you can remember.

INTERVIEWER: PERMIT UP TO ABOUT 1.5 MINUTES.

IF R STOPS: "There is still time left, can you think of any more?"

ENTER **LETTER** FOR WORDS RECALLED. ENTER/ARROWS TO MOVE TO NEXT FIELD

PRESS **x** IF YOU CAN NOT RECORD A RECALLED WORD ACCURATELY

PRESS **o** FOR OTHER WORD NOT IN LIST – PRESS **q** TO EXIT LIST IMMEDIATELY

1 d

2 cr

3 b

4 cf

5 s

6 p

7 m

8 g

9 ha

10 f

11 n

12 t

13 cl

14 ho

15 r

90 o OTHER WORD NOT IN LIST

-3 x PROBLEM HEARING/UNDERSTANDING/RECORDING WORD

IF any z160=x >

z180

INTERVIEWER: ENTER SPECIFIC PROBLEMS YOU HAD HEARING, UNDERSTANDING, OR RECORDING WORDS RECALLED BY RESPONDENT

<1> ENTER PROBLEM(S) FOLLOWED BY //

INTERVIEWER: INSTRUMENT WILL PAUSE 5 SECONDS AFTER YOU PRESS ENTER

Optional interviewer comments between tasks:

(Thank you. That's all we have for that task.)

(Good, now let's go on)

(Good, let's do something different.)

(That's a challenging series. You did fine.)

(Remember, we don't expect anyone to get all of these questions correct.)

(Don't worry. We have deliberately made these questions challenging.

If people could get them all right, we would not learn anything.

We are trying to find out which questions are harder than others.)

CATEGORY FLUENCY TASK (1.5 minutes)

z300

Good, now let's go on. Now I am going to name a category and you will name things that belong in that category. Let's practice with the category "fruit". You could say peach, or pear. Can you think of any other fruits?

INTERVIEWER: WAIT FOR R TO SAY 2 CORRECT ITEMS

Good. In a moment I will give you another category. When I say begin, you will name all the things from this **new** category you can think of, as fast as you can. You will have one minute to do this. I will let you know when your time is up. The new category is animals.
Do you have any questions?

Ready? Begin.

INTERVIEWER: WAIT TO PRESS **CONTINUE** UNTIL THE R SAYS THE FIRST CORRECT WORD.

1 – CONTINUE / r – REFUSED

z320

[C7TCTFLR], [C7TCTFLR]

INTERVIEWER: KEEP TRACK OF HOW MANY DIFFERENT ANIMALS R NAMES,
"1" FOR EACH DIFFERENT ANIMAL NAMED, "2" FOR CLEARLY DUPLICATE ANIMALS.

IF R STOPS: "There is still time left, can you think of any more?"

IF R ASKS WHETHER BIRDS, FISH, INSECTS, REPTILES, ETC. ARE ACCEPTABLE, SAY YES.

0 – INVALID / NON-ANIMAL RESPONSE

1 – NEW UNIQUE ANIMAL NAMED

2 – DUPLICATE ANIMAL NAMED

q – QUIT LIST IMMEDIATELY

x – EXIT LIST AFTER TIME EXPIRED

z340 (INT VERIFIES VALID RESPONSE)

AT THE END OF THE MINUTE ENTER THE TOTAL NUMBER OF
ANIMALS (INCLUDING ANY DUPLICATIONS) R NAMED.

NUMBER SERIES TASK (2.5 minutes)

z500

In the next exercise I will read you a series of numbers that may get larger or smaller in value. At the end you will try to figure out what the next number would be. So if the numbers were 2,4,6,8,10, the next number would be 12. After I say each number I will pause for as long as you need, and then you should say "okay" when you are ready for me to go on to the next number in the group. So if I said 2, you should say "okay" when you are ready for me to go on to the next number, then I say 4, you say okay, 6, okay, 8, okay, 10, and at the end I will ask you what you think the next number would be. In this case the next number would be 12, as each number has increased by 2.

z510

Let's try one for practice:

INTERVIEWER: PAUSE AFTER EACH OF THE FIRST 4 ITEMS FOR OKAY RESPONSE; AFTER THE LAST ITEM, JUST SAY "and the next number is...?" NO OKAY IS NECESSARY HERE.

35 (wait for R to say "OK"),

30 (wait for "OK"),

25 (wait for "OK"),

20 (wait for "OK"),

15, AND the next number is....?

INTERVIEWER: DEPENDING ON R'S ANSWER, SAY EITHER "Yes, good"

OR SAY "The answer should be 10 as each number as decreased by 5"

<10> TEN

<1> ANY NUMBER EXCEPT 10 <d> DON'T KNOW <r> REFUSED

z520

There will be different patterns, and some of these will be harder than others, so just do the best you can. If you are not sure of the answer, it is okay to guess.

Do you have any questions?

INTERVIEWER: PAUSE AFTER EACH OF THE FIRST 4 ITEMS FOR "OK" RESPONSE; AFTER THE LAST ITEM, SAY "and the next number is...?"

INTERVIEWER: IF R EXPRESSES CONCERN ABOUT PERFORMANCE AT ANY POINT DURING THE TEST, SAY: "Just do the best you can" OR "Your best guess is fine"

[C7TNS1]

z530: The first one is:

18, 20, 24, 30, 38 AND the next number is...? (48)

[C7TNS2]

z540: Okay. Let's do another. The next set is

81, 78, 75, 72, 69 AND the next number is...? (66)

[C7TNS3]

z550: Okay. Let's do another one. The next set is

7, 12, 16, 19, 21 AND the next number is...? (22)

[C7TNS4]

z560: Okay. Let's do another one. The next set is

28, 25, 21, 16, 10 AND the next number is...? (3)

[C7TNS5]

z570: Okay. Let's do another one. The next set is
20, 37, 18, 38, 16 AND the next number is...? (39)

Good, let's move on.

BACKWARD COUNTING TASK (45 seconds)

z600

Next, I would like to see how fast you can count backwards.

When I give the signal to begin, start counting backwards from 100 out loud, as fast as you can. So you will say "100, 99, 98, 97" and so on.

You will have half a minute.

When I say **begin** count backwards as quickly as you can.

Do you have any questions? I will let you know when the time is up.

INTERVIEWER: SAY "Begin" EXACTLY WHEN YOU PRESS ENTER

(Time for 30 seconds)

INTERVIEWER: STOP R EXACTLY WHEN TIME RUNS OUT (30 SECONDS)

(q) QUIT TEST IMMEDIATELY

[C7TBKCT]

INTERVIEWER: Record final number reached at end of time _____

[C7TBKERR]

INTERVIEWER: RECORD TOTAL NUMBER OF ERRORS _____

SHORT-DELAY WORD RECALL (40 seconds on average)

z710

Now we are going to ask you to recall as many words as you can from the very **first** list of 15 words that I read to you in the beginning. I want you to tell me as many of the words from that list as you can.
Do you have any questions?

INTERVIEWER: IF R DOES NOT RECALL, SAY:

"It was the **FIRST** task we did, I read you 15 words and asked you to recall them. Not the animal task, but **before** that, the **very first** list of words I read to you. "

INTERVIEWER: IF R ASKS IF IT WAS THE ANIMAL TASK, SAY: "No, it was the task before that."

INTERVIEWER: IF R SAYS THEY DON'T REMEMBER, SAY: "Just do the best you can."

(Tell me as many of the words from that list as you can.)
You have one minute. I will tell you when the time is up.

INTERVIEWER: Record words recalled, including intrusions and repetitions.

Begin

z760

[C7TWLD1-C7TWLD20]

INTERVIEWER: PERMIT UP TO ABOUT 1 MINUTE.

If R stops: "**There is still time left, can you think of any more?**"

ENTER LETTER FOR WORDS RECALLED. ENTER/ARROWS TO MOVE TO NEXT FIELD.

PRESS x IF YOU CANNOT RECORD A RECALLED WORD ACCURATELY

PRESS o FOR OTHER WORD NOT IN LIST

PRESS q TO EXIT LIST IMMEDIATELY

- | | | |
|----|----|--|
| 1 | d | |
| 2 | cr | |
| 3 | b | |
| 4 | cf | |
| 5 | s | |
| 6 | p | |
| 7 | m | |
| 8 | g | |
| 9 | ha | |
| 10 | f | |
| 11 | n | |
| 12 | t | |
| 13 | cl | |
| 14 | ho | |
| 15 | r | |
| 90 | o | Other word not in list |
| -3 | x | Problem hearing/understanding/recording word |
| -4 | q | Quit question / list immediately |

z780

INTERVIEWER: ENTER SPECIFIC PROBLEMS YOU HAD HEARING, UNDERSTANDING, OR RECORDING WORDS

RECALLED BY R