WOMEN'S HEALTH INITIATIVE

Form 39 - Cognitive Assessment

MARKING INSTRUCTIONS

- Use a No. 2 pencil only.
- Darken the oval completely next to the answer you choose.
- Erase cleanly any marks you wish to change.
- Do not make any stray marks on this form.

USE NO. 2 PENCIL ONLY

CORRECT MARK   **INCORRECT MARKS**

- For questions where you write in a number, write the number in the box provided. Then mark the corresponding oval to the right.
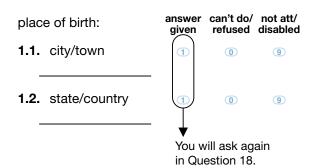
  Example: If the date is May, 1995:

0	5		9	5
Month			**Year**	

  M 1 2 3 4 **5** 6 7 8 9 10 11 12
  Y **95** 96 97 98 99

OFFICE USE ONLY

S_____

AFFIX LABEL BETWEEN LINES
BAR CODE HERE

1. Contact Date:

|__|__|-|__|__|-|__|__|

Month   Day   Year

M ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
D ⑩ ⑳ ㉚
  ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
Y 95 96 97 98 99 00 01 02 03 04 05 06 07

2. Completed By:

|__|__|__|__|

100 200 300
10 20 30 40 50 60 70 80 90
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

3. Contact Type:
① Phone
② Mail
③ Visit
⑧ Other

4. Visit Type:

② Semi-Annual   ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
③ Annual   ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
④ Non-Routine

SERIAL #

PLEASE MAKE NO MARKS IN THIS AREA

"I would like to ask you a few questions that require concentration and memory. Some are a little bit more difficult than others. Some questions will be asked more than once."

1. "When were you born?" Record responses.

month	day	year

month	day	year
⓪ ⓪	⓪ ⓪	⓪ ⓪ ⓪ ⓪
① ①	① ①	① ① ① ①
② ②	② ②	② ② ② ②
③ ③	③ ③	③ ③ ③ ③
④ ④	④ ④	④ ④ ④ ④
⑤ ⑤	⑤ ⑤	⑤ ⑤ ⑤ ⑤
⑥ ⑥	⑥ ⑥	⑥ ⑥ ⑥ ⑥
⑦ ⑦	⑦ ⑦	⑦ ⑦ ⑦ ⑦
⑧ ⑧	⑧ ⑧	⑧ ⑧ ⑧ ⑧
⑨ ⑨	⑨ ⑨	⑨ ⑨ ⑨ ⑨

"Where were you born?" Record responses.

place of birth:	answer given	can't do/ refused	not att/ disabled
1.1. city/town	①	⓪	⑨
1.2. state/country	①	⓪	⑨

You will ask again in Question 18.

2. "I am going to say three words for you to remember. Repeat them after I have said all three words: 'socks,' blue,' 'charity'."

Do not repeat the words for the participant until after the first trial. The participant may give the words in any order. If there are errors on the first trial, repeat the items up to six times until they are learned.

first trial only:	answer given	error/ refused	not att/ disabled
a. socks	①	⓪	⑨
b. blue	①	⓪	⑨
c. charity	①	⓪	⑨

d. number of presentations necessary for the participant to repeat the sequence (1-7):

① ② ③ ④ ⑤ ⑥ ⑦

3. "I would like you to count from 1 to 5."

3.1. ① able to count forward
⓪ unable to count forward (Say **"1-2-3-4-5"**)

3.2. "Now I would like you to count backwards from 5 to 1."

Record the responses in the order given:

1st No.	⑤ ④ ③ ② ①
2nd No.	⑤ ④ ③ ② ①
3rd No.	⑤ ④ ③ ② ①
4th No.	⑤ ④ ③ ② ①
5th No.	⑤ ④ ③ ② ①

4. "Spell 'world'."

4.1. ① able to spell
⓪ unable to spell (**"It's spelled W-O-R-L-D."**)

4.2. "Now spell 'world' backwards."

Record letters in the order given:

1st letter	Ⓓ Ⓛ Ⓡ Ⓞ Ⓦ
2nd letter	Ⓓ Ⓛ Ⓡ Ⓞ Ⓦ
3rd letter	Ⓓ Ⓛ Ⓡ Ⓞ Ⓦ
4th letter	Ⓓ Ⓛ Ⓡ Ⓞ Ⓦ
5th letter	Ⓓ Ⓛ Ⓡ Ⓞ Ⓦ

5. "What three words did I ask you to remember earlier?"

The words may be repeated in any order. If the participant cannot give the correct answer after a category cue, provide the three choices listed. If the participant still cannot give the correct answer from the three choices, mark 0 and provide the correct answer.

5.1. socks
③ spontaneous recall
② correct word/incorrect form
② after **"Something to wear."**
① after **"Was it shirt, shoes or socks?"**
⓪ unable to recall/refused (provide the correct answer)
⑨ not attempted/disabled

5.2. blue
③ spontaneous recall
② correct word/incorrect form
② after **"A color."**
① after **"Was it blue, black, brown?"**
⓪ unable to recall/refused (provide the correct answer)
⑨ not attempted/disabled

5.3. charity
③ spontaneous recall
② correct word/incorrect form
② after **"A good, personal quality."**
① after **"Was it honesty, charity, modesty?"**
⓪ unable to recall/refused (provide the correct answer)
⑨ not attempted/disabled

6.1. "What is today's date?"   Probe for the month, day or year if not volunteered.

month	day	year
⓪ ⓪	⓪ ⓪	⓪ ⓪ ⓪ ⓪
① ①	① ①	① ① ① ①
② ②	② ②	② ② ② ②
③ ③	③ ③	③ ③ ③ ③
④ ④	④ ④	④ ④ ④ ④
⑤ ⑤	⑤ ⑤	⑤ ⑤ ⑤ ⑤
⑥ ⑥	⑥ ⑥	⑥ ⑥ ⑥ ⑥
⑦ ⑦	⑦ ⑦	⑦ ⑦ ⑦ ⑦
⑧ ⑧	⑧ ⑧	⑧ ⑧ ⑧ ⑧
⑨ ⑨	⑨ ⑨	⑨ ⑨ ⑨ ⑨

6.2. "What is the day of the week?"

① correct
⓪ error/refused
⑨ not attempted/disabled

Record answer in error.
Enter 'x' if no response.
_____
day of week

6.3. "What season of the year is it?"

① correct
⓪ error/refused
⑨ not attempted/disabled

Record answer in error.
Enter 'x' if no response.
_____
season

7.1. "What state are we in?"

① correct
⓪ error/refused
⑨ not attempted/disabled

Record answer in error.
Enter 'x' if no response.
_____
state

7.2. "What country are we in?"

① correct
⓪ error/refused
⑨ not attempted/disabled

Record answer in error.
Enter 'x' if no response.
_____
country

7.3. "What (city/town) are we in?"

① correct
⓪ error/refused
⑨ not attempted/disabled

Record answer in error.
Enter 'x' if no response.
_____
city/town

7.4. "Are we in a clinic, store, or home?"

If the correct answer is not among the three alternatives, (e.g., hospital or nursing home), substitute it for the middle alternative (store). If the participant states that none is correct, ask them to make the best choice of the three options.

① correct
⓪ error/refused
⑨ not attempted/disabled

8. Point to the object or a part of your own body and ask the participant to name it. Score 0 if the participant cannot name it within 2 seconds or gives an incorrect name. Do not wait for the participant to mentally search for the name.

	correct	error/ refused	not att/ disabled
8.1. pencil: **"What is this?"**	①	⓪	⑨
8.2. watch: **"What is this?"**	①	⓪	⑨
8.3. forehead: **"What do you call this part of the face?"**	①	⓪	⑨
8.4. chin: **". . . And this part?"**	①	⓪	⑨
8.5. shoulder: **". . . And this part of the body?"**	①	⓪	⑨
8.6. elbow: **". . . And this part?"**	①	⓪	⑨
8.7. knuckle: **". . . And this part of the hand?"**	①	⓪	⑨

○○○○○○○○○○○○○○○○○○○○○○○○○   **SERIAL #**
PLEASE MAKE NO MARKS IN THIS AREA

9. **"What animals have four legs? Tell me as many as you can."**

Discontinue after 30 seconds. Count all correct responses. If the participant gives no response in 10 seconds, and there are at least 10 seconds of remaining time, gently remind (once only) **"What (other) animals have four legs?"** The first time an incorrect answer is provided, say **"I want four-legged animals."** Do not correct for subsequent errors.

score (total correct responses):

⑩ ⑳ ㉚ ㊵ ㊿ ⑩ ⑦⓪ ⑧⓪ ⑨⓪
| | |
⓪ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

(Write any additional correct answers on a separate sheet of paper.)

10.1. **"In what way are an arm and a leg alike?"**

If the participant fails to give an answer that is worth 2 points, mark the appropriate score of 1 or 0. If the answer is not worth 2 points, coach the participant by saying **"An arm and a leg are both limbs or extremities."** Do not coach for questions 10.2 and 10.3.

② limbs, extremities
① lesser correct answer (e.g., body parts, both bend, have joints)
⓪ error (e.g., states differences, gives unrelated answer)/refused
⑨ not attempted/disabled

10.2. **"In what way are laughing and crying alike?"**

② expressions of feelings, emotions
① lesser correct answer (e.g., sounds, expressions)
⓪ error (e.g., states differences, gives unrelated answer)/refused
⑨ not attempted/disabled

10.3. **"In what way are eating and sleeping alike?"**

② necessary bodily functions, essential for life
① lesser correct answer (e.g., bodily functions, relaxing, "good for you")
⓪ error (e.g., states differences, gives unrelated answer)/refused
⑨ not attempted/disabled

11. **"Repeat what I say: I would like to go out."**

Pronounce the individual words clearly, but with normal tempo of a spoken sentence.

② correct
① 1 or 2 words missed
⓪ 3 or more words missed/refused
⑨ not attempted/disabled

12. **"Now repeat: No ifs, ands or buts."**

Pronounce the individual words clearly, but with normal tempo of a spoken sentence. Give no credit if the participant misses the "s."

	correct	error/ refused	not att/ disabled
12.1. no ifs	①	⓪	⑨
12.2. ands	①	⓪	⑨
12.3. or buts	①	⓪	⑨

13. Hold up Card 39-1 and say: **"Please do this."**

If the participant does not close her eyes within 5 seconds, prompt by pointing to the sentence and saying **"Read and do what this says."** If the participant has already read the sentence aloud spontaneously, simply say, **"Do what this says."**

Allow 5 seconds for the response. Mark 1 if the participant reads the sentence aloud, either spontaneously or after your request, but does not close her eyes. As soon as the participant closes her eyes, say **"Open."**

③ closes eyes without prompting
② closes eyes after prompting
① reads aloud, but does not close eyes
⓪ does not read aloud or close eyes/refused
⑨ not attempted/disabled

**14. "Please write the following sentence:
I would like to go out."**

Hand the participant a piece of blank paper and a #2 pencil with eraser. If necessary, repeat the sentence word by word as the participant writes. Allow a maximum of 1 minute after the first reading of the sentence for the scored response.

Either printing or cursive writing is allowed. Assign 1 point for each correct word, but no credit for "I." For each word, mark 0 if there are spelling errors or incorrect mixed capitalizations (all letters printed in uppercase is permissible). Do not penalize self-corrected errors.

		correct	error/ refused	not att/ disabled
14.1.	would	①	⓪	⑨
14.2.	like	①	⓪	⑨
14.3.	to	①	⓪	⑨
14.4.	go	①	⓪	⑨
14.5.	out	①	⓪	⑨

14.6. Note which hand the participant uses to write. If this is not done, ask participant if she is right- or left-handed. (For use in Question 16):

    ① right
    ② left
    ⑨ unknown

15. "Here is a drawing. Please copy the drawing onto this piece of paper."

Hand the participant a piece of paper and Card 39-2. For right-handed participants, present the sample on their left side. For left-handed participants, present the sample on their right side. Allow one minute for copying. In scoring, do not penalize for self-corrected errors, tremors, minor gaps, or overshoots.

15.1. pentagon 1

    ④ 5 approximately equal sides
    ③ 5 sides, but longest:shortest side is >2:1
    ② nonpentagon enclosed figure
    ① 2 or more lines, not an enclosure
    ⓪ less than 2 lines/refused
    ⑨ not attempted/disabled

15.2. pentagon 2

    ④ 5 approximately equal sides
    ③ 5 sides, but longest:shortest side is >2:1
    ② nonpentagon enclosed figure
    ① 2 or more lines, not an enclosure
    ⓪ less than 2 lines/refused
    ⑨ not attempted/disabled

15.3. intersection

    ② 4-cornered enclosure
    ① other than 4-cornered enclosure
    ⓪ no enclosure/refused
    ⑨ not attempted/disabled

16. Refer back to Question 14.6 to determine the participant's dominant hand. Hold up a piece of white paper in plain view of the participant but out of her reach, and say:

"Take this paper with your left (right for left-handed person) **hand, fold it in half, and hand it back to me."**

After saying the whole command, hold the paper within reach of the participant. Do not repeat any part of the command. Do not give visual cues for her to take or return the paper. She may hand it back with either hand.

		correct	error/ refused	not att/ disabled
16.1.	takes paper in correct hand	①	⓪	⑨
16.2.	folds paper in half	①	⓪	⑨
16.3.	hands paper back	①	⓪	⑨

17. "What three words did I ask you to remember earlier?"

The words may be repeated in any order. Administer even if the score = 0 on question 5. If the participant cannot give the correct answer after a category cue, provide the three choices listed. If the participant still cannot give the correct answer from the three choices, mark "0" and provide the correct answer.

17.1. socks
- ③ spontaneous recall
- ② correct word/incorrect form
- ② after **"Something to wear."**
- ① after **"Was it shirt, shoes or socks?"**
- ⓪ unable to recall/refused
  (provide the correct answer)
- ⑨ not attempted/disabled

17.2. blue
- ③ spontaneous recall
- ② correct word/incorrect form
- ② after **"A color."**
- ① after **"Was it blue, black, brown?"**
- ⓪ unable to recall/refused
  (provide the correct answer)
- ⑨ not attempted/disabled

17.3. charity
- ③ spontaneous recall
- ② correct word/incorrect form
- ② after **"A good, personal quality."**
- ① after **"Was it honesty, charity, modesty?"**
- ⓪ unable to recall/refused
  (provide the correct answer)
- ⑨ not attempted/disabled

18. "Would you please tell me again where you were born?"

Ask only when a response was given in Question 1.1 and 1.2. Record the response. Score the responses by checking the match with the responses in Question 1.1 and 1.2.

place of birth:	matches	does not match/ refused	not att/ disabled
18.1. city/town _____	①	⓪	⑨
18.2. state/country _____	①	⓪	⑨

19. Special problems?
- ① Yes
- ⓪ No

19.1 Primary problem:
- ① Vision
- ② Hearing
- ③ Inability to write due to injury/illness
- ④ Illiteracy/lack of education
- ⑤ Language (difficulty speaking/ understanding English)

- ⑧ Other, specify:_____

Secondary problem (specify): _____
_____

20. "Please tell me which hand you would normally use to throw a ball to hit a target."
- ① always left
- ② usually left
- ③ no preference
- ④ usually right
- ⑤ always right
- ⑨ unknown

21. "Please tell me which hand you would normally use to hold a toothbrush while cleaning teeth."
- ① always left
- ② usually left
- ③ no preference
- ④ usually right
- ⑤ always right
- ⑨ unknown

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