Form C2: Neuropsychological Battery Scores

ADRC: __________________________ PTID: __________________________ Form date: __/__/____ Visit #: __________
Examiner’s initials: __________

Language: □: English □: Spanish
Mode: □: In-person □: Remote (reason): ____________________
Key (remote reason): 1=Too cognitively impaired
2=Too physically impaired
3=Homebound or nursing home
4=Refused in-person visit
5=Other

INSTRUCTIONS: This form is to be completed by ADRC or clinic staff. For test administration and scoring, see Instructions for Neuropsychological Battery, Form C2. Any new participants who enroll in the UDS after the implementation of UDSv4 must be assessed with the new neuropsychological test battery (Form C2 or C2T).

KEY: If the participant cannot complete any of the following exams, please give the reason by entering one of the following codes:
95 / 995 = Physical problem   96 / 996 = Cognitive/behavior problem   97 / 997 = Other problem   98 / 998 = Verbal refusal

Section 1 — Montreal Cognitive Assessment (MoCA)

1a. Was any part of the MoCA administered? □ 0 No (If No, enter reason code, 95 – 98): ______ (SKIP TO QUESTION 2A)
□ 1 Yes (CONTINUE WITH QUESTION 1B)

1b. MoCA was administered: □ 1 In ADRC or clinic □ 2 In home □ 3 In person — other

1c. Language of MoCA administration: □ 1 English □ 2 Spanish □ 3 Other (SPECIFY): __________________________

1d. Participant was unable to complete one or more sections due to visual impairment: □ 0 No □ 1 Yes

1e. Participant was unable to complete one or more sections due to hearing impairment: □ 0 No □ 1 Yes

1f. Total Raw Score — Uncorrected
(Not corrected for education or visual/hearing impairment)
(Enter 88 if any of the following MoCA items were not administered: 1g – 1l, 1n – 1t, 1w – 1bb)
____ (0 – 30, 88)

1g. Visuospatial/executive — Trails
____ (0 – 1, 95-98)

1h. Visuospatial/executive — Cube
____ (0 – 1, 95-98)

1i. Visuospatial/executive — Clock contour
____ (0 – 1, 95-98)

1j. Visuospatial/executive — Clock numbers
____ (0 – 1, 95-98)

1k. Visuospatial/executive — Clock hands
____ (0 – 1, 95-98)

1l. Language — Naming
____ (0 – 3, 95-98)

1m. Memory — Registration (two trials)
____ (0 – 10, 95-98)

1n. Attention — Digits
____ (0 – 2, 95-98)

1o. Attention — Letter A
____ (0 – 1, 95-98)

1p. Attention — Serial 7s
____ (0 – 3, 95-98)

1q. Language — Repetition
____ (0 – 2, 95-98)

1r. Language — Fluency
____ (0 – 1, 95-98)

1s. Abstraction
____ (0 – 2, 95-98)

1t. Delayed recall — No cue
____ (0 – 5, 95-98)

1u. Delayed recall — Category cue
____ (0 – 5; 88=Not applicable)

1v. Delayed recall — Recognition
____ (0 – 5; 88=Not applicable)

1w. Orientation — Date
____ (0 – 1, 95-98)

1x. Orientation — Month
____ (0 – 1, 95-98)

1y. Orientation — Year
____ (0 – 1, 95-98)

1z. Orientation — Day
____ (0 – 1, 95-98)

1aa. Orientation — Place
____ (0 – 1, 95-98)

1bb. Orientation — City
____ (0 – 1, 95-98)
### Section 2 — Administration of the remainder of the battery

2a. The tests following the MoCA were administered:
   - [ ] 1 In ADRC or clinic
   - [ ] 2 In home
   - [ ] 3 In person — other

2b. Language of test administration:
   - [ ] 1 English
   - [ ] 2 Spanish
   - [ ] 3 Other (SPECIFY): ________________

### Section 3 — Craft Story 21 Recall (Immediate)

3a. Total story units recalled, verbatim scoring
   *(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 4a.)*
   ______ (0–44, 95-98)

3b. Total story units recalled, paraphrase scoring
   ______ (0–25)

### Section 4 — Benson Complex Figure Copy

4a. Total score for copy of Benson figure *(If test not completed, enter reason code, 95–98)*
   ______ (0–17, 95-98)

### Section 5 — Number Span Test: Forward

5a. Number of correct trials
   *(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 6a.)*
   ______ (0–14, 95-98)

5b. Longest span forward
   ______ (0, 3-9)

### Section 6 — Number Span Test: Backward

6a. Number of correct trials
   *(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 7a.)*
   ______ (0–14, 95-98)

6b. Longest span backward
   ______ (0, 2-8)

### Section 7 — Category Fluency

7a. Animals: Total number of animals named in 60 seconds
   *(If test not completed, enter reason code, 95–98)*
   ______ (0–77, 95-98)

7b. Vegetables: Total number of vegetables named in 60 seconds
   *(If test not completed, enter reason code, 95–98)*
   ______ (0–77, 95-98)

### Section 8 — Trail Making Test

8a. PART A: Total number of seconds to complete *(if not finished by 150 seconds, enter 150)*
   *(If test not completed, enter reason code, 995–998, and SKIP TO QUESTION 8b.)*
   ______ (0–150, 995-998)

   8a1. Number of commission errors
       ______ (0–40)

   8a2. Number of correct lines
       ______ (0–24)

8b. PART B: Total number of seconds to complete *(if not finished by 300 seconds, enter 300)*
   *(If test not completed, enter reason code, 995–998, and SKIP TO QUESTION 9a.)*
   ______ (0–300, 995-998)

   8b1. Number of commission errors
       ______ (0–40)

   8b2. Number of correct lines
       ______ (0–24)

### Section 9 — Benson Complex Figure Recall

9a. Total score for drawing of Benson figure following 10- to 15-minute delay
   *(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 10a.)*
   ______ (0–17, 95-98)

9b. Recognized original stimulus from among four options?
   - [ ] 0 No
   - [ ] 1 Yes
Section 10 — Craft Story 21 Recall (Delayed)

10a. Total story units recalled, verbatim scoring
(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 11a.)

10b. Total story units recalled, paraphrase scoring

10c. Delay time (minutes) (99=Unknown)

10d. Cue (“boy”) needed

Section 11 — Verbal Fluency: Phonemic Test

11a. Number of correct F-words generated in 1 minute
(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 11d.)

11b. Number of F-words repeated in 1 minute

11c. Number of non-F-words and rule violation errors in 1 minute

11d. Number of correct L-words generated in 1 minute
(If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 12a.)

11e. Number of L-words repeated in one minute

11f. Number of non-L-words and rule violation errors in 1 minute

11g. TOTAL number of correct F-words and L-words

11h. TOTAL number of F-word and L-word repetition errors

11i. TOTAL number of non-F/L words and rule violation errors

Which verbal learning test was administered?

1  Rey AVLT
2  CERAD

Section 12 — Rey Auditory Verbal Learning (Immediate)

12. Total number of words correctly recalled and number of intrusions

<table>
<thead>
<tr>
<th>Trial</th>
<th>Total recall</th>
<th># of intrusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trial 1</td>
<td>12a. 9/15</td>
<td>12b. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15, 95–98)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(If test was not completed, enter reason code, 95–98. SKIP TO QUESTION 16a.)</td>
<td></td>
</tr>
<tr>
<td>Trial 2</td>
<td>12c. 9/15</td>
<td>12d. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
<tr>
<td>Trial 3</td>
<td>12e. 9/15</td>
<td>12f. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
<tr>
<td>Trial 4</td>
<td>12g. 9/15</td>
<td>12h. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
<tr>
<td>Trial 5</td>
<td>12i. 9/15</td>
<td>12j. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
<tr>
<td>List B</td>
<td>12k. 9/15</td>
<td>12l. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
<tr>
<td>Trial 6</td>
<td>12m. 9/15</td>
<td>12n. No limit</td>
</tr>
<tr>
<td></td>
<td>(0–15)</td>
<td></td>
</tr>
</tbody>
</table>

Section 13 — Rey Auditory Verbal Learning (Delayed Recall and Recognition)

13a. Total delayed recall
(If test was not completed, enter reason code, 95–98. SKIP TO QUESTION 16a.)

13b. Intrusions

13c. Delay time (minutes) (99=Unknown)

13d. Method of recognition test administration

13e. Recognition — Total correct

13f. Recognition — Total false positive
### Section 14 — CERAD Verbal Learning (Immediate)

14. J4 Word List Memory Task: Total number of words correctly recalled and number of intrusions

<table>
<thead>
<tr>
<th>Trial</th>
<th>Total recall</th>
<th>Can't read</th>
<th># of intrusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trial 1</td>
<td>14a. ___ ___ (0–10, 95-98)</td>
<td>14b. ___ ___ (0–10)</td>
<td>14c. ___ ___ (No limit)</td>
</tr>
<tr>
<td>Trial 2</td>
<td>14d. ___ ___ (0–10)</td>
<td>14e. ___ ___ (0–10)</td>
<td>14f. ___ ___ (No limit)</td>
</tr>
<tr>
<td>Trial 3</td>
<td>14g. ___ ___ (0–10)</td>
<td>14h. ___ ___ (0–10)</td>
<td>14i. ___ ___ (No limit)</td>
</tr>
</tbody>
</table>

### Section 15 — CERAD Verbal Learning (Delayed Recall and Recognition)

15a. Delay time (minutes) \( (99=\text{Unknown}) \)          \( \) (0–85 minutes)

15b. J6 Word List Recall: Total number of words correctly recalled \( (\text{If test not completed, enter reason code, 95-98, and SKIP TO QUESTION 16a.}) \) \( \) (0–10, 95-98)

15c. J6 Word List Recall: Total number of intrusions \( \) (No limit)

15d. J7 Word List Recognition: Total YES correct \( (\text{If test not completed, enter reason code, 95-98, and SKIP TO QUESTION 16a.}) \) \( \) (0–10, 95-98)

15e. J7 Word List Recognition: Total NO correct \( \) (0–10, 95-98)

### Section 16 — Multilingual Naming Test (MINT)

16a. Total score \( (\text{If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 17a}) \) \( \) (0–32, 95-98)

16b. Total correct without semantic cue \( \) (0–32)

16c. Semantic cues: Number given \( \) (0–32)

16d. Semantic cues: Number correct with cue \( (88 = \text{Not applicable}) \) \( \) (0–32, 88)

16e. Phonemic cues: Number given \( \) (0–32)

16f. Phonemic cues: Number correct with cue \( (88 = \text{Not applicable}) \) \( \) (0–32, 88)

### Section 17 — Overall appraisal

17a. Per the clinician (e.g., neuropsychologist, behavioral neurologist, or other suitably qualified clinician), based on the UDS neuropsychological examination, the participant’s cognitive status is deemed:

- [ ] 1 Better than normal for age
- [ ] 2 Normal for age
- [ ] 3 One or two test scores are abnormal
- [ ] 4 Three or more scores are abnormal or lower than expected
- [ ] 0 Clinician unable to render opinion

### Section 18 — Validity of participant’s response

Please record your impression of whether hearing or other factors significantly influenced test results. It can be difficult to judge, but it is helpful in adjudication and data analysis to know that such an influence may have been present.

18a. How valid do you think the participant’s responses are?

- [ ] 1 Very valid, probably accurate indication of participant’s cognitive abilities (END FORM HERE)
- [ ] 2 Questionably valid, possibly inaccurate indication of participant’s cognitive abilities
- [ ] 3 Invalid, probably inaccurate indication of participant’s cognitive abilities

18b. What makes this participant’s responses less valid?

(Check all that apply)

- [ ] 18b1. Hearing impairment
- [ ] 18b2. Distractions
- [ ] 18b3. Interruptions
- [ ] 18b4. Lack of effort or disinterest
- [ ] 18b5. Fatigue
- [ ] 18b6. Emotional issues
- [ ] 18b7. Unapproved assistance
- [ ] 18b8. Other (SPECIFY): ________________________________