**Form C2T: Neuropsychological Battery Scores for T-cog**

**ADRC:** ____________  **PTID:** ____________  **Form date:** ____/__/____  **Visit #:** ____________  

**Language:**
- [ ] 1: English
- [ ] 2: Spanish

**Mode:**
- [ ] 1: Remote (reason): ___
  - [ ] Telephone

**Examiner’s initials:**

---

**INSTRUCTIONS:** This form is to be completed by ADRC or clinic staff. For test administration and scoring, see **Instructions for Neuropsychological Battery, Form C2T**. 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) Blind**

1a. Was any part of the MoCA administered?  
- [ ] 0 No (If No, enter reason code, 95–98): ___ (CONTINUE WITH QUESTION 2A)  
- [ ] 1 Yes (CONTINUE WITH QUESTION 1B)

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

1c. Participant was unable to complete one or more sections due to hearing impairment:  
- [ ] 0 No  
- [ ] 1 Yes

1d. Total Raw Score — Uncorrected  
(Not corrected for education or visual/hearing impairment)  
(Enter 88 if any of the following MoCA items were not administered: 1e – 1k, 1n – 1s)

1e. Attention — Digits

1f. Attention — Letter A

1g. Attention — Serial 7s

1h. Language — Repetition

1i. Language — Fluency

1j. Abstraction

1k. Delayed recall — No cue

1l. Delayed recall — Category cue

1m. Delayed recall — Recognition

1n. Orientation — Date

1o. Orientation — Month

1p. Orientation — Year

1q. Orientation — Day

1r. Orientation — Place

1s. Orientation — City

---

**Section 2 — Administration of the remainder of the battery**

2a. 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.**)  

3b. Total story units recalled, paraphrase scoring  

---

**NOT APPROVED FOR USE**
Section 4 — Number Span Test: Forward

4a. Number of correct trials
   (If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 5a.)
   ___ ___ (0–14, 95-98)

4b. Longest span forward
   ___ ___ (0, 3-9)

Section 5 — Number Span Test: Backward

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

5b. Longest span backward
   ___ ___ (0, 2-8)

Which verbal learning test was administered?

☐ 1 Rey AVLT (COMPLETE SECTIONS 6 & 13, SKIP SECTIONS 7 & 9)
☐ 2 CERAD (COMPLETE SECTIONS 7 & 9, SKIP SECTIONS 6 & 13)

Section 6 — Rey Auditory Verbal Learning (Immediate)

6. 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>6a. ___ ___ (0–15, 95-98)</td>
<td>6b. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 2</td>
<td>6c. ___ ___ (0–15)</td>
<td>6d. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 3</td>
<td>6e. ___ ___ (0–15)</td>
<td>6f. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 4</td>
<td>6g. ___ ___ (0–15)</td>
<td>6h. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 5</td>
<td>6i. ___ ___ (0–15)</td>
<td>6j. ___ (No limit)</td>
</tr>
<tr>
<td>List B</td>
<td>6k. ___ ___ (0–15)</td>
<td>6l. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 6</td>
<td>6m. ___ ___ (0–15)</td>
<td>6n. ___ (No limit)</td>
</tr>
</tbody>
</table>

Section 7 — CERAD Verbal Learning (Immediate)

7. 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># of Intrusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trial 1</td>
<td>7a. ___ ___ (0–10, 95-98)</td>
<td>7b. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 2</td>
<td>7c. ___ ___ (0–10)</td>
<td>7d. ___ (No limit)</td>
</tr>
<tr>
<td>Trial 3</td>
<td>7e. ___ ___ (0–10)</td>
<td>7f. ___ (No limit)</td>
</tr>
</tbody>
</table>

Section 8 — Category Fluency

8a. Animals: Total number of animals named in 60 seconds
   (If test not completed, enter reason code, 95–98)
   ___ ___ (0–77, 95-98)

8b. Vegetables: Total number of vegetables named in 60 seconds
   (If test not completed, enter reason code, 95–98)
   ___ ___ (0–77, 95-98)
### Section 9 — CERAD Verbal Learning (Delayed Recall and Recognition)

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>9a</td>
<td>Delay time (minutes) (99=Unknown)</td>
<td></td>
</tr>
<tr>
<td>9b</td>
<td>J6 Word List Recall: Total number of words correctly recalled (if test not completed, enter reason code, 95–98, and SKIP TO QUESTION 9d.)</td>
<td></td>
</tr>
<tr>
<td>9c</td>
<td>J6 Word List Recall: Total number of intrusions</td>
<td></td>
</tr>
<tr>
<td>9d</td>
<td>J7 Word List Recognition: Total YES correct (if test not completed, enter reason code, 95–98, and SKIP TO QUESTION 10a.)</td>
<td></td>
</tr>
<tr>
<td>9e</td>
<td>J7 Word List Recognition: Total NO correct</td>
<td></td>
</tr>
</tbody>
</table>

### Section 10 — Oral Trail Making Test (Optional)

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>10a</td>
<td>PART A: Total number of seconds to complete (if not finished by 100 seconds, enter 100) (If test not completed, enter reason code, 995–998. If test was skipped because optional, enter 888. SKIP TO QUESTION 10b.)</td>
<td></td>
</tr>
<tr>
<td>10a1</td>
<td>Number of commission errors</td>
<td></td>
</tr>
<tr>
<td>10a2</td>
<td>Number of correct lines</td>
<td></td>
</tr>
<tr>
<td>10b</td>
<td>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. If test was skipped because optional, enter 888. SKIP TO QUESTION 11a.)</td>
<td></td>
</tr>
<tr>
<td>10b1</td>
<td>Number of commission errors</td>
<td></td>
</tr>
<tr>
<td>10b2</td>
<td>Number of correct lines</td>
<td></td>
</tr>
</tbody>
</table>

### Section 11 — Craft Story 21 Recall (Delayed)

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>11a</td>
<td>Total story units recalled, verbatim scoring (If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 12a.)</td>
<td></td>
</tr>
<tr>
<td>11b</td>
<td>Total story units recalled, paraphrase scoring</td>
<td></td>
</tr>
<tr>
<td>11c</td>
<td>Delay time (minutes) (99=Unknown)</td>
<td></td>
</tr>
<tr>
<td>11d</td>
<td>Cue (“boy”) needed</td>
<td></td>
</tr>
</tbody>
</table>

### Section 12 — Verbal Fluency: Phonemic Test

<table>
<thead>
<tr>
<th>Question</th>
<th>Description</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>12a</td>
<td>Number of correct F-words generated in 1 minute (If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 12d.)</td>
<td></td>
</tr>
<tr>
<td>12b</td>
<td>Number of F-words repeated in 1 minute</td>
<td></td>
</tr>
<tr>
<td>12c</td>
<td>Number of non-F-words and rule violation errors in 1 minute</td>
<td></td>
</tr>
<tr>
<td>12d</td>
<td>Number of correct L-words generated in 1 minute (If test not completed, enter reason code, 95–98, and SKIP TO QUESTION 13a.)</td>
<td></td>
</tr>
<tr>
<td>12e</td>
<td>Number of L-words repeated in one minute</td>
<td></td>
</tr>
<tr>
<td>12f</td>
<td>Number of non-L-words and rule violation errors in 1 minute</td>
<td></td>
</tr>
<tr>
<td>12g</td>
<td>TOTAL number of correct F-words and L-words</td>
<td></td>
</tr>
<tr>
<td>12h</td>
<td>TOTAL number of F-word and L-word repetition errors</td>
<td></td>
</tr>
<tr>
<td>12i</td>
<td>TOTAL number of non-F/L words and rule violation errors</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. If test was skipped because optional, enter 88. **SKIP TO QUESTION 14a.**
   - __ ___ (0–15, 88, 95-98)

13b. **Intrusions**
   - __ ___ (No limit)

13c. **Delay time (minutes)**
   - (99=Unknown)
   - __ ___ (0–85 minutes)

13d. **Recognition — Total correct**
   - __ ___ (0–15)

13e. **Recognition — Total false positive**
   - __ ___ (0–15)

### Section 14 — Verbal Naming Test (Optional)

14a. **Total correct without a cue**
   - If test was not completed, enter reason code, 95-98. If test was skipped because optional, enter 88.
   - __ ___ (0–50, 88, 95-98)

14b. **Total correct with phonemic cue**
   - If test was not completed, enter reason code, 95-98. If test was skipped because optional or if no cues were given, enter 88.
   - __ ___ (0–50, 88, 95-98)

### Section 15 — Overall appraisal

15a. 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:

<table>
<thead>
<tr>
<th>Option</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Better than normal for age</td>
<td>1</td>
</tr>
<tr>
<td>Normal for age</td>
<td>2</td>
</tr>
<tr>
<td>One or two test scores are abnormal</td>
<td>3</td>
</tr>
<tr>
<td>Three or more scores are abnormal or lower than expected</td>
<td>4</td>
</tr>
<tr>
<td>Clinician unable to render opinion</td>
<td>0</td>
</tr>
</tbody>
</table>

### Section 16 — Validity of participant’s responses

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.

16a. 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

16b. What makes this participant’s responses less valid?

   **(Check all that apply)**

   - 16b1. □ 1 Hearing impairment
   - 16b2. □ 1 Distractions
   - 16b3. □ 1 Interruptions
   - 16b4. □ 1 Lack of effort or disinterest
   - 16b5. □ 1 Fatigue
   - 16b6. □ 1 Emotional issues
   - 16b7. □ 1 Unapproved assistance
   - 16b8. □ 1 Other (SPECIFY): ___________________________