

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

ADRC: \_\_\_\_\_ PTID: \_\_\_\_\_ Form date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Visit #: \_\_\_\_\_ Examiner's initials: \_\_\_\_\_

|   |   |   |
|---|---|---|
| Language:<br><input type="checkbox"/> 1 English<br><input type="checkbox"/> 2 Spanish | Mode:<br><input type="checkbox"/> 2 Remote (reason): ____<br><input type="checkbox"/> 1 Telephone | Key (remote reason): 1=Too cognitively impaired<br>2=Too physically impaired<br>3=Homebound or nursing home<br>4=Refused in-person visit<br>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 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?   | <input type="checkbox"/> 0 No (If No, enter reason code, 95 – 98): ____ (SKIP TO QUESTION 2A)<br><input type="checkbox"/> 1 Yes (CONTINUE WITH QUESTION 1B) |
| 1b. | Language of MoCA administration:   | <input type="checkbox"/> 1 English <input type="checkbox"/> 2 Spanish <input type="checkbox"/> 3 Other (SPECIFY): _____                                     |
| 1c. | Participant was unable to complete one or more sections due to hearing impairment:   | <input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes  |
| 1d. | Total Raw Score — Uncorrected<br>(Not corrected for education or visual/hearing impairment)<br>(Enter 88 if any of the following MoCA items were not administered: 1e – 1k, 1n – 1s) | ____ (0–22, 88)   |
| 1e. | Attention — Digits   | ____ (0–2, 95–98)   |
| 1f. | Attention — Letter A   | ____ (0–1, 95–98)   |
| 1g. | Attention — Serial 7s  | ____ (0–3, 95–98)   |
| 1h. | Language — Repetition  | ____ (0–2, 95–98)   |
| 1i. | Language — Fluency   | ____ (0–1, 95–98)   |
| 1j. | Abstraction  | ____ (0–2, 95–98)   |
| 1k. | Delayed recall — No cue  | ____ (0–5, 95–98)   |
| 1l. | Delayed recall — Category cue  | ____ (0–5; 88=Not applicable)   |
| 1m. | Delayed recall — Recognition   | ____ (0–5; 88=Not applicable)   |
| 1n. | Orientation — Date   | ____ (0–1, 95–98)   |
| 1o. | Orientation — Month  | ____ (0–1, 95–98)   |
| 1p. | Orientation — Year   | ____ (0–1, 95–98)   |
| 1q. | Orientation — Day  | ____ (0–1, 95–98)   |
| 1r. | Orientation — Place  | ____ (0–1, 95–98)   |
| 1s. | Orientation — City   | ____ (0–1, 95–98)   |

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

|     |                                  |   |
|-----|----------------------------------|---|
| 2a. | Language of test administration: | <input type="checkbox"/> 1 English <input type="checkbox"/> 2 Spanish <input type="checkbox"/> 3 Other (SPECIFY): _____ |
|-----|----------------------------------|---|

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

|     |   |                    |
|-----|---|--------------------|
| 3a. | Total story units recalled, verbatim scoring<br>(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 — Number Span Test: Forward**

|     |   |                    |
|-----|---|--------------------|
| 4a. | Number of correct trials<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 5a.</b> ) | ____ (0–14, 95–98) |
| 4b. | Longest span forward  | ____ (0, 3–9)      |

**Section 5 — Number Span Test: Backward**

|     |  |                    |
|-----|--|--------------------|
| 5a. | Number of correct trials<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 6.</b> ) | ____ (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   |                     |
|---------|---|---------------------|
| Trial   | Total recall  | # of intrusions     |
| Trial 1 | 6a. ____ (0–15, 95–98)<br>(If test was not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 8a.</b> ) | 6b. ____ (No limit) |
| Trial 2 | 6c. ____ (0–15)   | 6d. ____ (No limit) |
| Trial 3 | 6e. ____ (0–15)   | 6f. ____ (No limit) |
| Trial 4 | 6g. ____ (0–15)   | 6h. ____ (No limit) |
| Trial 5 | 6i. ____ (0–15)   | 6j. ____ (No limit) |
| List B  | 6k. ____ (0–15)   | 6l. ____ (No limit) |
| Trial 6 | 6m. ____ (0–15)   | 6n. ____ (No limit) |

**Section 7 — CERAD Verbal Learning (Immediate)**

| 7.      | J4 Word List Memory Task: Total number of words correctly recalled and number of intrusions                   |                     |
|---------|---|---------------------|
| Trial   | Total recall  | # of intrusions     |
| Trial 1 | 7a. ____ (0–10, 95–98)<br>(If test was not completed, enter reason code, 95–98. <b>SKIP TO QUESTION 8a.</b> ) | 7b. ____ (No limit) |
| Trial 2 | 7c. ____ (0–10)   | 7d. ____ (No limit) |
| Trial 3 | 7e. ____ (0–10)   | 7f. ____ (No limit) |

**Section 8 — Category Fluency**

|     |   |                    |
|-----|---|--------------------|
| 8a. | Animals: Total number of animals named in 60 seconds<br>(If test not completed, enter reason code, 95–98)       | ____ (0–77, 95–98) |
| 8b. | Vegetables: Total number of vegetables named in 60 seconds<br>(If test not completed, enter reason code, 95–98) | ____ (0–77, 95–98) |

**Section 9 — CERAD Verbal Learning (Delayed Recall and Recognition)**

|     |  |                     |
|-----|--|---------------------|
| 9a. | Delay time (minutes) (99=Unknown)  | ____ (0–85 minutes) |
| 9b. | J6 Word List Recall: Total number of words correctly recalled<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 9d.</b> ) | ____ (0–10, 95–98)  |
| 9c. | J6 Word List Recall: Total number of intrusions  | ____ (No limit)     |
| 9d. | J7 Word List Recognition: Total YES correct<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 10a.</b> )                  | ____ (0–10, 95–98)  |
| 9e. | J7 Word List Recognition: Total NO correct   | ____ (0–10, 95–98)  |

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

|      |  |                            |
|------|--|----------------------------|
| 10a. | PART A: Total number of seconds to complete (if not finished by 100 seconds, enter 100)<br>(If test not completed, enter reason code, 995–998. If test was skipped because optional, enter 888. <b>SKIP TO QUESTION 10b.</b> ) | ____ (0–100, 888, 995–998) |
|      | 10a1. Number of commission errors  | ____ (No limit)            |
|      | 10a2. Number of correct lines  | ____ (0–25)                |
| 10b. | PART B: Total number of seconds to complete (if not finished by 300 seconds, enter 300)<br>(If test not completed, enter reason code, 995–998. If test was skipped because optional, enter 888. <b>SKIP TO QUESTION 11a.</b> ) | ____ (0–300, 888, 995–998) |
|      | 10b1. Number of commission errors  | ____ (No limit)            |
|      | 10b2. Number of correct lines  | ____ (0–25)                |

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

|      |  |  |
|------|--|--|
| 11a. | Total story units recalled, verbatim scoring<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 12a.</b> ) | ____ (0–44, 95–98)   |
| 11b. | Total story units recalled, paraphrase scoring   | ____ (0–25)  |
| 11c. | Delay time (minutes) (99=Unknown)  | ____ (0–85 minutes)  |
| 11d. | Cue ("boy") needed   | <input type="checkbox"/> 0 No <input type="checkbox"/> 1 Yes |

**Section 12 — Verbal Fluency: Phonemic Test**

|      |   |                    |
|------|---|--------------------|
| 12a. | Number of correct F-words generated in 1 minute<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 12d.</b> ) | ____ (0–40, 95–98) |
| 12b. | Number of F-words repeated in 1 minute  | ____ (0–15)        |
| 12c. | Number of non-F-words and rule violation errors in 1 minute   | ____ (0–15)        |
| 12d. | Number of correct L-words generated in 1 minute<br>(If test not completed, enter reason code, 95–98, and <b>SKIP TO QUESTION 13a.</b> ) | ____ (0–40, 95–98) |
| 12e. | Number of L-words repeated in one minute  | ____ (0–15)        |
| 12f. | Number of non-L-words and rule violation errors in 1 minute   | ____ (0–15)        |
| 12g. | TOTAL number of correct F-words and L-words   | ____ (0–80)        |
| 12h. | TOTAL number of F-word and L-word repetition errors   | ____ (0–30)        |
| 12i. | TOTAL number of non-F/L words and rule violation errors   | ____ (0–30)        |

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

|      |  |                        |
|------|--|------------------------|
| 13a. | Total delayed recall<br>(If test was not completed, enter reason code, 95-98. If test was skipped because optional, enter 88. <b>SKIP TO QUESTION 14a.</b> ) | ____ (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<br>(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<br>(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: | <input type="checkbox"/> 1 Better than normal for age<br><input type="checkbox"/> 2 Normal for age<br><input type="checkbox"/> 3 One or two test scores are abnormal<br><input type="checkbox"/> 4 Three or more scores are abnormal or lower than expected<br><input type="checkbox"/> 0 Clinician unable to render opinion |
|------|--|--|

**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?                           | <input type="checkbox"/> 1 Very valid, probably accurate indication of participant's cognitive abilities ( <b>END FORM HERE</b> )<br><input type="checkbox"/> 2 Questionably valid, possibly inaccurate indication of participant's cognitive abilities<br><input type="checkbox"/> 3 Invalid, probably inaccurate indication of participant's cognitive abilities  |
| 16b. | What makes this participant's responses less valid?<br><br>(Check all that apply) | 16b1. <input type="checkbox"/> 1 Hearing impairment<br>16b2. <input type="checkbox"/> 1 Distractions<br>16b3. <input type="checkbox"/> 1 Interruptions<br>16b4. <input type="checkbox"/> 1 Lack of effort or disinterest<br>16b5. <input type="checkbox"/> 1 Fatigue<br>16b6. <input type="checkbox"/> 1 Emotional issues<br>16b7. <input type="checkbox"/> 1 Unapproved assistance<br>16b8. <input type="checkbox"/> 1 Other ( <b>SPECIFY</b> ): _____ |