

NACC DATA CLEANING REPORT – ISSUE 51

Subject completed Trail Making Test B and number of correct lines does not equal 24

Per the UDS Neuropsych Battery instructions for the Trail Making Test

<https://www.alz.washington.edu/MEMBER/UDS/DOCS/VER2/neurinstr.pdf> page 21-24

“SCORING: Record the total number of seconds to complete Part B, up to a maximum of 300 seconds. If the subject is not finished by 300 seconds, the score is 300. Enter the score for Part B on NACC UDS Form C1, item 7b.”

If the test could not be completed, enter the appropriate reason code, 995-998, from the key, and leave question 7b1 and 7b2 blank.

“For both Parts A and Part B, record errors of commission and number of correct lines as described below:

“**Errors of commission**” are defined as errors occurring when the subject connects two circles in the incorrect sequence. Each time this occurs, an error of commission is scored. Essentially, any connecting line drawn by the subject that elicits a correction from the examiner is an error of commission. For example, on Part B, if the subject draws a line from C to D (instead of C to 3), the examiner would point out the error and have the subject go back to C. This would count as an error of commission.

“**Number of correct lines**” is defined as the total number of correct connections between circles. The maximum number of correct lines on each condition of Trail Making is 24, so **whenever a subject completes the task within the time limit, the total number of correct lines will always equal 24**. Scores less than 24 will occur when the subject is slow and does not complete the task in the time allotted. For example, a subject who gets as far as the number 6 on Part B when the allotted time elapses has only completed 10 correct connecting lines (1-A, A-2, 2-B, B-3, 3-C, C-4, 4-D, D-5, 5-E, E-6).”

Instructions:

- 1) Consult with the clinician and records for the UDS visit in question to make the necessary corrections. If the value recorded for the “total number of seconds to complete” (TRAILSB) is less than 300, then the “Number of correct lines” (TRAILBLI) must be 24. Or, if it appears that the subject stopped the test before the 300 seconds expired, a missing code should be used for the “total number of seconds to complete” (TRAILSB) and the “Number of correct lines” (TRAILBLI) should be blank.

Note: An error check has been implemented for UDS3

We aim to have these values corrected by March 1, 2016. Please contact Janene Hubbard (janene@uw.edu) or Mary Jacka (jacka@uw.edu) with any questions related to this matter.