Comprehensive Trail-Making Test (CTMT)

OUR COST-$165.00

Archives of Clinical Neuropsychology had this to say about the CTMT:
The CTMT is an invaluable, meticulously constructed, nationally normed, reliable and valid new psychometric instrument. It provides clinicians and research workers with a hierarchy of specific as well as global summary measures that operationally define important basic and complex components of executive function. Its component skills have been widely validated for application across the life span and across important demographic groups in which it has been studied. This revision and extension of the original TMT shows great promise that should provide us with opportunities to deliver enhanced service to our patients. It is an important new psychometric instrument that should be studied intensively and applied widely in clinical as well as basic and applied research settings.

The Comprehensive Trail-Making Test (CTMT) is a new assessment based on time-tested techniques. The CTMT is a standardized set of five visual search and sequencing tasks that are heavily influenced by attention, concentration, resistance to distraction, and cognitive flexibility (or set-shifting). Its primary uses include the evaluation and diagnosis of brain injury and other forms of central nervous system compromise. More specific purposes include the detection of frontal lobe deficits; problems with psychomotor speed, visual search and sequencing, and attention; and impairments in set-shifting.
Neuropsychological testing is necessary in a variety of contexts and performed by a variety of professionals. Neuropsychologists; clinical, counseling, school, and pediatric psychologists; occupational therapists; speech and language professionals; physical therapists; and others interested in objective testing of functionality in brain-behavior relationships would all benefit from using the CTMT.

The CTMT is for individuals ranging in age from 11 years through 74 years. Administration is timed and takes approximately 5 to 12 minutes. Scoring typically requires less than 5 minutes. Normative scores are provided in the form of T-scores, having a mean of 50 and a standard deviation of 10, along with their accompanying percentile ranks.

The basic task of trail-making is to connect a series of stimuli (numbers, expressed as numerals or in word form, and letters) in a specified order as fast as possible. The score derived for each trail is the number of seconds required to complete the task. The composite score is obtained by pooling the T-scores from the individual trails. The five trails are similar but also are different in some significant way. This easily administered set of tasks is remarkably sensitive to neuropsychological deficits of many types.

The Five Trails - Brief Description:

Trail 1 - The examinee draws a line to connect the numbers 1 through 25 in order. Each numeral is contained in a plain circle.

Trail 2 - The examinee draws a line to connect the numbers 1 through 25 in order. Each numeral is contained in a plain circle. Twenty-nine empty distractor circles appear on the same page.

Trail 3 - The examinee draws a line to connect in the numbers 1 through 25 in order. Each is contained in a plain circle. Thirteen empty distractor circles and 19 distractor circles containing irrelevant line drawings appear on the same page.

Trail 4 - The examinee draws a line to connect the numbers 1 through 20 in order. Eleven of the numbers are presented as Arabic numerals, (e.g., 1, 7); nine numbers are spelled out (e.g., Ten, Four).

Trail 5 - The examinee draws a line to connect in alternating sequence the numbers 1 through 13 and the letters A through L. The examinee begins with 1 and then draws a line to A, then proceeds to 2, then B, and so on until all the numbers and letters are connected. Fifteen empty distractor circles appear on the same page.

The CTMT is standardized on a nationwide sample of 1,664 persons whose demographic characteristics match the United States 2000 census data. Reliability of scores for each individual trail is high and the composite score has a reliability coefficient of .90 or higher at all ages.

The CTMT is extremely sensitive to neurological insult, disease, injury, or dysfunction, including
the subtle neuropsychological dysfunction often present in individuals with learning disabilities. The Examiner's Manual includes discussion of the test's theoretical and researched-based foundation, administration and scoring procedures, and more extensive reliability and validity data.

CTMT-COMPLETE KIT INCLUDES:
Examiner's Manual and 10 Record Booklets, all in a sturdy storage box - 2002. (B10430) $165.00

B10430-A CTMT-MANUAL-$93.00

B10430-B CTMT-RECORD BOOKLETS-$80.00