

Test Results Prepared By: Melissa Olson

### *Cognitive Functioning*

Cognitive functioning can be defined as a process by which knowledge is gained from perceptions or ideas. Wechsler Adult Intelligence Scale-IV (WAIS-IV) is an individually administered standardized intelligence test for assessing cognitive abilities. The test consisted of ten core subtests. The WAIS-IV yields a Full-Scale Intelligence Quotient and four indexes: Verbal Comprehension Index, Perceptual Reasoning Index, Working Memory Index, and Processing Speed Index. Dr. [REDACTED] Full-Scale IQ fell within the High Average range (WAIS-IV: SS=119, CS=112, 79%ile).

The Verbal Comprehension Index (VCI) consists of Similarities (SI), Vocabulary (VC), and Information (IN). These assessments measure Dr. [REDACTED] verbal reasoning abilities. His performance within this index fell in the Very Superior range (WAIS-IV: SS=46, CS=132, 98%ile). Regarding similarities, which measure verbal concept formation, Dr. [REDACTED] showed Very Superior ability (SI: SS=19). In the area of vocabulary, which measures word knowledge and familiarity with English, Dr. [REDACTED] was in the Average range (VC: SS=12). He showed Superior ability in information, which measures a fund of general knowledge, good early education, and familiarity with Western history and culture (IN: SS=15).

Perceptual Reasoning consists of Block Design (BD), Matrix Reasoning (MR), and Visual Puzzles (VP). These assessments measure fluid reasoning in the perceptual domain with tasks that assess nonverbal concept formation, visual perception and organization, visual-motor coordination, learning, and the ability to separate figures and ground in visual stimuli. Dr. [REDACTED]'s overall performance in this area was in the Average range (WAIS-IV: SS=33, CS=105, 63%ile). More specifically, in areas that measure visual analysis and synthesis, Dr. [REDACTED] was in the Average range (BD: SS=10). On tests that assessed for visual organization, Dr. [REDACTED] was in the Average range (MR: SS=8). Moreover, he was in the Superior range in areas that measured visual recognition and identification (VP: SS=15).

The Working Memory Index (WMI) consists of Digit Span (DS) and Arithmetic (AR) and measures short-term memory. Dr. [REDACTED] working memory performance fell in the High Range range (WAIS-IV: SS=25, CS=114, 82%ile). He demonstrated Average ability in areas that measure auditory short-term memory, sequencing skills, attention, and concentration (DS: SS = 12). Dr. [REDACTED] also demonstrated a High Average in areas of computational skill in arithmetic (AR: SS = 14).

The Processing Speed Index (PSI) consists of Symbol Search (SS) and Coding (CD) measures cognitive processing efficiency. PSI requires visual perception and organization, as well as visual scanning, and the efficient production of multiple motor responses. Dr. [REDACTED] visual-motor coordination and cognitive flexibility fell in the low average range (WAIS-IV: SS=15, CS=86, 18%ile). He showed Low Average ability in coding, which assesses processing speed (CD: SS = 9), and in symbol search, which is a measure of nonverbal processing speed (SS: SS = 6).