

Interpretive Report of WAIS-IV Testing

Examinee and Testing Information

Examinee Name	John Doe	Date of Report	9/18/2013
Examinee ID	9172013	Years of Education	10
Date of Birth	10/3/1958	Home Language	English
Gender	Male	Handedness	Right
Race/Ethnicity	African American	Examiner Name	Paul W Simpson

Test Administered	WAIS-IV (9/17/2013)	Age at Testing	54 years 10 months	Retest?	No
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WAIS-IV Comments

Score Summary

WAIS-IV Scale	Score
Verbal Comprehension	66
Perceptual Reasoning	69
Working Memory	58
Processing Speed	53
Full Scale	56

Interpretation of WAIS-IV Results

General Intellectual Ability

John was administered 10 subtests of the Wechsler Adult Intelligence Scale-Fourth Edition (WAIS-IV). His composite scores are derived from these subtest scores. The Full Scale IQ (FSIQ) composite score is derived from 10 subtest scores and is considered the most representative estimate of global intellectual functioning. John's general cognitive ability is within the extremely low range of intellectual functioning, as measured by the FSIQ. His overall thinking and reasoning abilities exceed those of only approximately 0.2% of individuals his age (FSIQ = 56; 95% confidence interval = 53-61). John may experience great difficulty in keeping up with his peers in a wide variety of situations that require thinking and reasoning abilities. His ability to reason with words is comparable to his ability to reason without the use of words. John's verbal and nonverbal reasoning abilities are in the extremely low range.

Verbal Comprehension

John's verbal reasoning abilities as measured by the Verbal Comprehension Index (VCI) are in the extremely low range and above those of only 1% of his peers (VCI = 66; 95% confidence interval = 62-73). The VCI is designed to measure verbal reasoning and concept formation. John performed

comparably on the verbal subtests contributing to the VCI, suggesting that the various verbal cognitive abilities measured by these subtests are similarly developed. However, he may experience great difficulty in keeping up with his peers in situations that require verbal skills.

Perceptual Reasoning

John's nonverbal reasoning abilities as measured by the Perceptual Reasoning Index (PRI) are in the extremely low range and above those of only 2% of his peers (PRI = 69; 95% confidence interval = 64-77). The PRI is designed to 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 figure and ground in visual stimuli. John's performance on the perceptual reasoning subtests contributing to the PRI is somewhat variable, although the magnitude of this difference in performance is not unusual among individuals his age. Examination of John's performance on individual subtests provides additional information regarding his specific nonverbal abilities.

John achieved his best performance among the nonverbal reasoning tasks on the Visual Puzzles subtest and his lowest score on the Matrix Reasoning subtest. His performance across these areas differs significantly and suggest that these are the areas of most pronounced strength and weakness, respectively, in John's profile of perceptual reasoning abilities. Although better developed than his other nonverbal reasoning abilities, John's abilities on the Visual Puzzles subtest were below those of most individuals his age. His weak performance on the Matrix Reasoning subtest was far below that of most individuals his age.

The Matrix Reasoning subtest required John to look at an incomplete matrix and select the missing portion from five response options. This subtest assesses fluid visual information processing and abstract reasoning skills (Matrix Reasoning scaled score = 3). The Visual Puzzles subtest required John to view a completed puzzle and select three response options that, when combined, reconstruct the puzzle, and do so within a specified time limit. This subtest is designed to measure nonverbal reasoning and the ability to analyze and synthesize abstract visual stimuli. Performance on this task also may be influenced by visual perception, broad visual intelligence, fluid intelligence, simultaneous processing, spatial visualization and manipulation, and the ability to anticipate relationships among parts (Visual Puzzles scaled score = 6).

Working Memory

John's ability to sustain attention, concentrate, and exert mental control is in the extremely low range. He performed better than approximately 0.3% of his peers in this area (Working Memory Index (WMI) = 58; 95% confidence interval 54-67).

John had difficulty with the two tasks that demand mental control, that is, attending and holding information in short-term memory while performing some operation or manipulation with it and then correctly producing the transformed information (Digit Span scaled score = 1; Arithmetic scaled score = 4).

Processing Speed

John's ability in processing simple or routine visual material without making errors is in the extremely low range when compared to his peers. He performed better than approximately 0.1% of his peers on



the processing speed tasks (Processing Speed Index [PSI] = 53; 95% confidence interval 49-66). Processing visual material quickly is an ability that John performs poorly as compared to his nonverbal reasoning ability. Processing speed is an indication of the rapidity with which John can mentally process simple or routine information without making errors.

Summary

John is a 54-year-old male who completed the WAIS-IV. His general cognitive ability, as estimated by the WAIS-IV, is in the extremely low range (FSIQ = 56). John's verbal comprehension and perceptual reasoning abilities were both in the extremely low range (VCI = 66, PRI = 69). John's ability to sustain attention, concentrate, and exert mental control is in the extremely low range (WMI = 58). John's ability in processing simple or routine visual material without making errors is in the extremely low range when compared to his peers (PSI = 53).

This report is valid only if signed by a qualified professional:

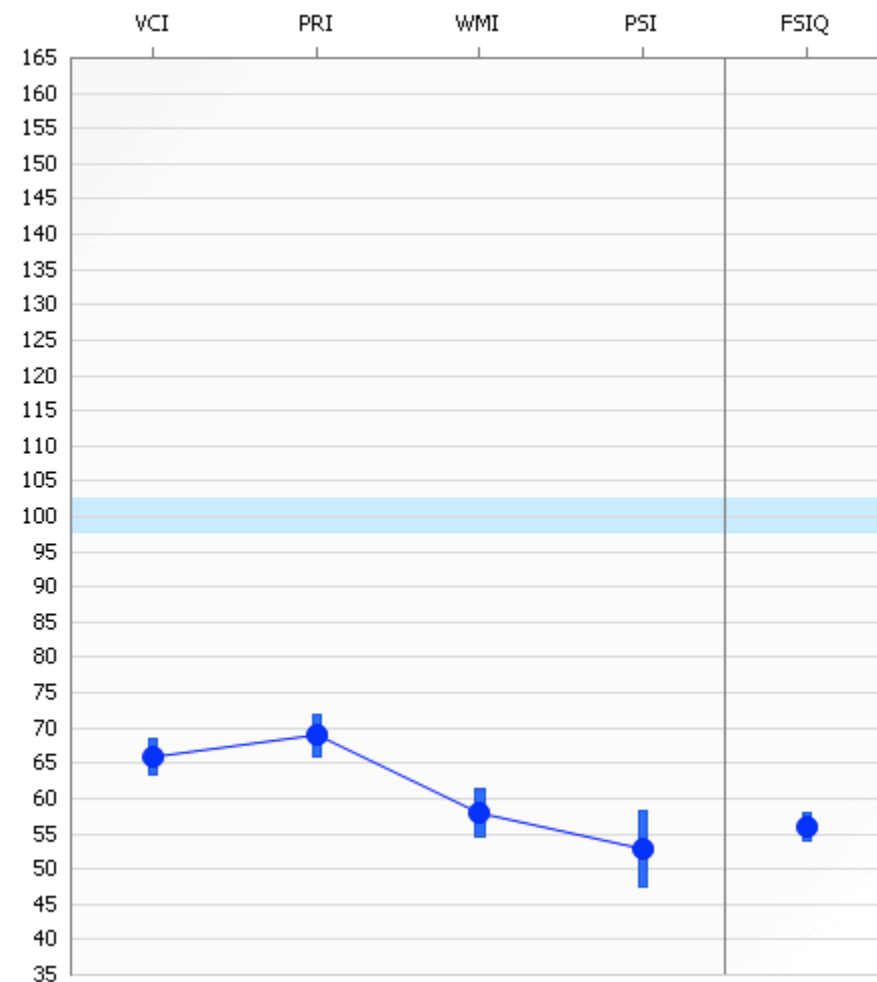
WAIS-IV Score Report

Composite Score Summary

Scale	Sum of Scaled Scores	Composite Score	Percentile Rank	95% Confidence Interval	Qualitative Description
Verbal Comprehension	12	VCI 66	1	62-73	Extremely Low
Perceptual Reasoning	14	PRI 69	2	64-77	Extremely Low
Working Memory	5	WMI 58	0.3	54-67	Extremely Low
Processing Speed	3	PSI 53	0.1	49-66	Extremely Low
Full Scale	34	FSIQ 56	0.2	53-61	Extremely Low

Confidence Intervals are based on the Overall Average SEMs. Values reported in the SEM column are based on the examinee's age.

Composite Score Profile



Composite Scores and Standard Error of Measurement

Composite	Score	SEM
VCI	66	2.6
PRI	69	3
WMI	58	3.35
PSI	53	5.41
FSIQ	56	2.12

The vertical bars represent the standard error of measurement (*SEM*).

Analysis

Index Level Discrepancy Comparisons

Comparison	Score 1	Score 2	Difference	Critical Value .05	Significant Difference Y / N	Base Rate Overall Sample
VCI - PRI	66	69	-3	7.78	N	43.4
VCI - WMI	66	58	8	8.31	N	27.1
VCI - PSI	66	53	13	11.76	Y	20.3
PRI - WMI	69	58	11	8.81	Y	20.8
PRI - PSI	69	53	16	12.12	Y	15
WMI - PSI	58	53	5	12.47	N	37.7

Base rate by overall sample.

Statistical significance (critical value) at the .05 level.

Verbal Comprehension Subtests Summary

Subtest	Raw Score	Scaled Score	Percentile Rank	Reference Group Scaled Score	SEM
Similarities	12	4	2	4	1.04
Vocabulary	12	4	2	4	0.73
Information	4	4	2	5	0.73

Perceptual Reasoning Subtests Summary

Subtest	Raw Score	Scaled Score	Percentile Rank	Reference Group Scaled Score	SEM
Block Design	16	5	5	4	0.95
Matrix Reasoning	4	3	1	1	0.95
Visual Puzzles	7	6	9	5	0.85

Working Memory Subtests Summary

Subtest	Raw Score	Scaled Score	Percentile Rank	Reference Group Scaled Score	SEM
Digit Span	8	1	0.1	1	0.73
Arithmetic	7	4	2	5	0.9

Processing Speed Subtests Summary

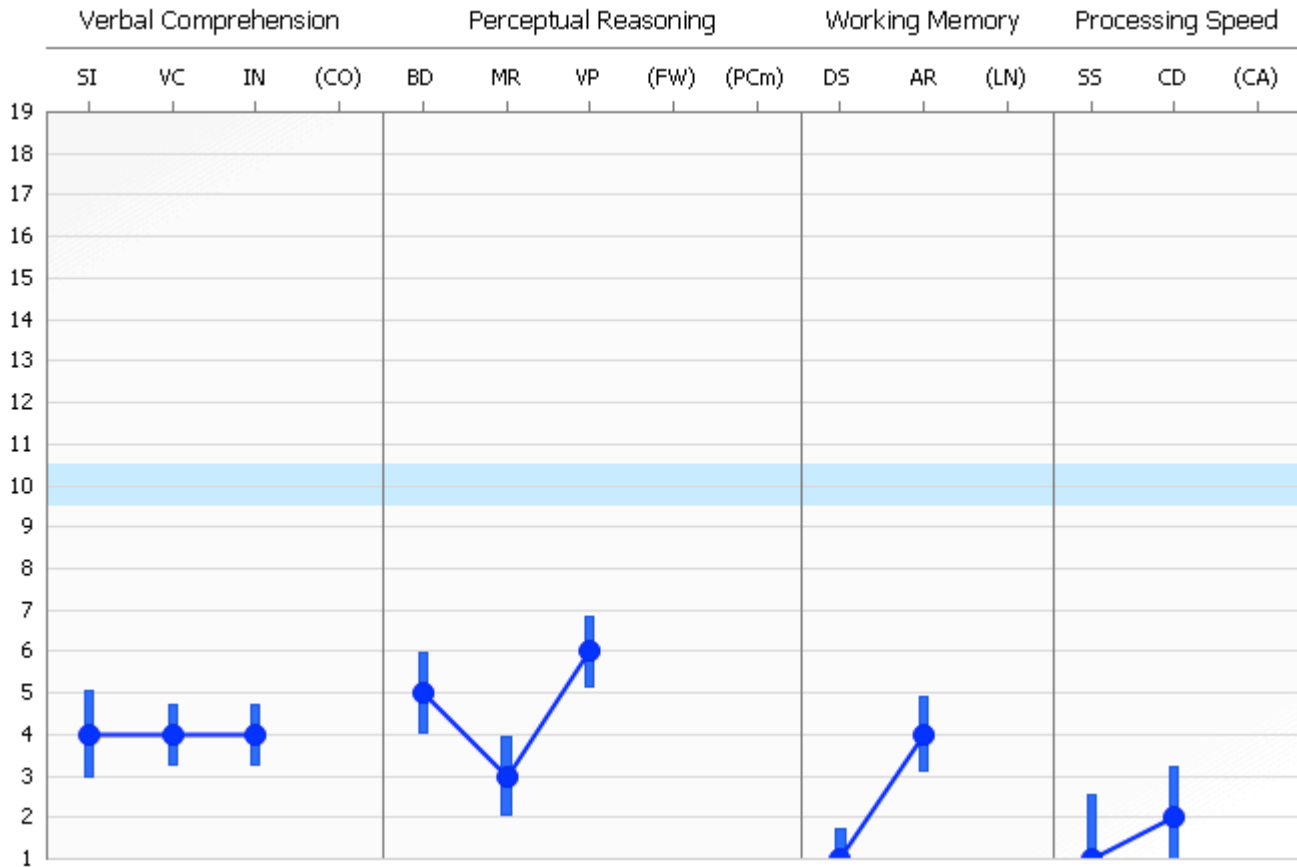
Subtest	Raw Score	Scaled Score	Percentile Rank	Reference Group Scaled Score	SEM
Symbol Search	5	1	0.1	1	1.56
Coding	22	2	0.4	1	1.2

Subtest Level Discrepancy Comparisons

Subtest Comparison	Score 1	Score 2	Difference	Critical Value .05	Significant Difference Y / N	Base Rate
Digit Span - Arithmetic	1	4	-3	2.57	Y	16.9
Symbol Search - Coding	1	2	-1	3.41	N	40.1

Statistical significance (critical value) at the .05 level.

Subtest Scaled Score Profile



The vertical bars represent the standard error of measurement (*SEM*)

Determining Strengths and Weaknesses

Differences Between Subtest and Overall Mean of Subtest Scores

Subtest	Subtest Scaled Score	Mean Scaled Score	Difference	Critical Value .05	Strength or Weakness	Base Rate
Block Design	5	3.40	1.6	2.85		>25%
Similarities	4	3.40	0.6	2.82		>25%
Digit Span	1	3.40	-2.4	2.22	W	25%
Matrix Reasoning	3	3.40	-0.4	2.54		>25%
Vocabulary	4	3.40	0.6	2.03		>25%
Arithmetic	4	3.40	0.6	2.73		>25%
Symbol Search	1	3.40	-2.4	3.42		>25%
Visual Puzzles	6	3.40	2.6	2.71		15-25%
Information	4	3.40	0.6	2.19		>25%
Coding	2	3.40	-1.4	2.97		>25%

Overall: Mean = 3.4, Scatter = 5, Base rate = 85.4.

Base Rate for Intersubtest Scatter is reported for 10 Full Scale Subtests.

Statistical significance (critical value) at the .05 level.

Process Analysis

Perceptual Reasoning Process Score Summary

Process Score	Raw Score	Scaled Score	Percentile Rank	SEM
Block Design No Time Bonus	16	4	2	1.08

Working Memory Process Score Summary

Process Score	Raw Score	Scaled Score	Percentile Rank	Base Rate	SEM
Digit Span Forward	4	2	0.4	--	1.24
Digit Span Backward	3	3	1	--	1.12
Digit Span Sequencing	1	2	0.4	--	1.27
Longest Digit Span Forward	3	--	--	99.5	--
Longest Digit Span Backward	2	--	--	99.5	--
Longest Digit Span Sequence	2	--	--	99.5	--

Process Level Discrepancy Comparisons

Process Comparison	Score 1	Score 2	Difference	Critical Value .05	Significant Difference Y / N	Base Rate
Block Design - Block Design No Time Bonus	5	4	1	3.08	N	21.5
Digit Span Forward - Digit Span Backward	2	3	-1	3.65	N	46.8
Digit Span Forward - Digit Span Sequencing	2	2	0	3.6	N	
Digit Span Backward - Digit Span Sequencing	3	2	1	3.56	N	43
Longest DS Forward - Longest DS Backward	3	2	1	--	--	84.5
Longest DS Forward - Longest DS Sequence	3	2	1	--	--	67
Longest DS Backward - Longest DS Sequence	2	2	0	--	--	

Statistical significance (critical value) at the .05 level.