

<b>CNS Vital Signs Report</b>		<b>Test Date: February 26, 2018 10:09:34</b>	
Patient ID: SamplePatient		Administrator: PhysioAge Patient	
Age: 48		Language: English (United States)	
Total Test Time: 21:15 (min:secs)	CNSVS Duration: 21:05 (min:secs)	Online Version 1.1.0	

Patient Profile	Percentile Range				> 74	25 - 74		2 - 8	< 2
	Standard Score Range				> 109	90 - 109	80 - 89	70 - 79	< 70
Domain Scores	Patient Score	Standard Score	Percentile	Valid Score**	Above	Average		Low	Very Low
Composite Memory	111	125	95	Yes	X				
Verbal Memory	60	125	95	Yes	X				
Visual Memory	51	116	86	Yes	X				
Psychomotor Speed	202	123	94	Yes	X				
Reaction Time*	624	103	58	Yes		X			
Cognitive Flexibility	48	104	61	Yes		X			
Processing Speed	91	150	99	Yes	X				
Executive Function	48	103	58	Yes		X			
Motor Speed	110	93	32	Yes		X			

Domain Dashboard: Above average domain scores indicate a standard score (SS) greater than 109 or a Percentile Rank (PR) greater than 74, indicating a high functioning test subject. Average is a SS 90-109 or PR 25-74, indicating normal function. Low Average is a SS 80-89 or PR 9-24 indicating a slight deficit or impairment. Below Average is a SS 70-79 or PR 2-8, indicating a moderate level of deficit or impairment. Very Low is a SS less than 70 or a PR less than 2, indicating a deficit and impairment. Reaction times are in milliseconds. An \* denotes that "lower is better", otherwise higher scores are better. Patient Scores are raw scores calculations generated from data values of the individual subtests.

VI\*\* - Validity Indicator: Denotes a guideline for representing the possibility of an invalid test or domain score. "No" means a clinician should evaluate whether or not the test subject understood the test, put forth their best effort, or has a clinical condition requiring further evaluation.

Verbal Memory Test (VBM)	Score	Standard	Percentile	
Correct Hits - Immediate	15	118	88	Verbal Memory test: Subjects have to remember 15 words and recognize them in a field of 15 distractors. The test is repeated at the end of the battery. The VBM test measures how well a subject can recognize, remember, and retrieve words e.g. exploit or attend literal representations or attribute. "Correct Hits" refers to the number of target words recognized. Low scores indicate verbal memory impairment.
Correct Passes - Immediate	15	110	75	
Correct Hits - Delay	15	123	94	
Correct Passes - Delay	15	109	73	
Visual Memory Test (VSM)	Score	Standard	Percentile	
Correct Hits - Immediate	12	101	53	Visual Memory test: Subjects have to remember 15 geometric figures, and recognize them in a field of 15 distractors. The test is repeated at the end of the battery. The VIM test measures how well a subject can recognize, remember, and retrieve geometric figures e.g. exploit or attend symbolic or spatial representations. "Correct Hits" refers to the number of target figures recognized. Low scores indicate visual memory impairment.
Correct Passes - Immediate	13	109	73	
Correct Hits - Delay	13	113	81	
Correct Passes - Delay	13	110	75	
Finger Tapping Test (FTT)	Score	Standard	Percentile	
Right Taps Average	57	96	40	The FTT is a test of motor speed and fine motor control ability. There are three rounds of tapping with each hand. The FTT test measures the speed and the number of finger-taps with each hand. Low scores indicate motor slowing. Speed of manual motor activity varies with handedness. Most people are faster with their preferred hand but not always.
Left Taps Average	53	91	27	
Symbol Digit Coding (SDC)	Score	Standard	Percentile	
Correct Responses	92	152	99	The SDC test measures speed of processing and draw upon several cognitive processes simultaneously, such as visual scanning, visual perception, visual memory, and motor functions. Errors may be due to impulsive responding, misperception, or confusion.
Errors*	1	100	50	

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Stroop Test (ST)	Score	Standard	Percentile	
Simple Reaction Time*	311	95	37	The ST measures simple and complex reaction time, inhibition / disinhibition, mental flexibility or directed attention. The ST helps assess how well a subject is able to adapt to rapidly changing and increasingly complex set of directions. Prolonged reaction times indicate cognitive slowing / impairment. Errors may be due to impulsive responding, misperception, or confusion.
Complex Reaction Time Correct*	644	91	27	
Stroop Reaction Time Correct*	603	112	79	
Stroop Commission Errors*	0	109	73	
Shifting Attention Test (SAT)	Score	Standard	Percentile	
Correct Responses	52	102	55	The SAT measures executive function or how well a subject recognizes set shifting (mental flexibility) and abstraction (rules, categories) and manages multiple tasks simultaneously. Subjects have to adjust their responses to randomly changing rules. The best scores are high correct responses, few errors and a short reaction time. Normal subjects may be slow but accurate, or fast but not so accurate. Attention deficit may be apparent.
Errors*	4	105	63	
Correct Reaction Time*	960	114	82	