

		ASSESSING	ent Details			
574983	Birthdate: 2017/12/31	Group: Fema	lles 6-7	Date: 20	023/02/14	Page: 1
	Co	gnitive Asses	sment Summar	y		
Cognitive Markers Outside Typical Rar		Hypera Inattent ADHD I	Questionnaire ctive/Impulsive Sul ive Subtype: Behaviour Markers		Not Indicative Indicative Detected	
Cognitive Ass Task	Sessment Resul Marker	tS Result	Typical Range	Percentile	Population	Description
Planning Spatial Planning	Overall score	11	> 12	15		Page 3
Spatial Working Memory Token Search	Average score	4	> 4.83	23		Page 3
Attention Feature Match	Number of errors	5	< 3	85		Page 4
	Reaction time	2491ms	> 2472ms	20		Page 4
	Impulsivity	Less accura	te, but not faster			Page 4
Response Inhibition Double Trouble	Number of errors	13	< 11	88		Page 5
	Interference ratio for errors	s 6	< 5	85		Page 5
	Interference ratio for reaction time	1.3	< 1.0	90		Page 5
	Overall reaction time	2721ms	< 2684ms	87		Page 5
	Reaction time variability	1387ms	< 1088ms	35		Page 5
Sustained Attention to Response Task SART	Commission errors	19	< 18	85		Page 6
	Omission errors	22	< 17	93		Page 6
	Reaction time variability	264ms	< 215.68ms	9		Page 6
					•	

VADRS Questionnaire Results

Measure	Result	Threshold	D	escription
Hyperactive/Impulsive ADHD	2	> 5	P.	age 2
Inattentive ADHD	6	> 5		
Performance Markers	5	≥1		



		Assessment Details		
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		Questionnaire Details		
The Vanderbilt A disorder (ADHD)	symptoms. The assessment is	VADRS) is a psychological asse for children aged 6 to 12.	essment tool for attention deficit hype	eractivity
Indicative of s	symptoms that are consistent v	with the Inattentive subtype o	f ADHD. Collett, B. R., Ohan, J. L., & Mye	rs, K. M.
0 1 Within Typica	2 3 4 5	6 7 8 9	(2003). <u>Ten-year review of ratin</u> <u>Scales assessing attention-defi</u> <u>hyperactivity disorder</u> . <i>Journal</i> <i>American Academy of Child art</i> <i>Psychiatry, 42</i> , 1015-1037.	cit/ of the
	ve/impulsive subtype (ADHD-HI e subtype (ADHD-I) naviour markers)	Wolraich, M. L., Lambert, W., Do Bickman, L., Simmons, T., & Wo Psychometric properties of the ADHD diagnostic parent rating referred population. Journal of Psychology, 28, 559-567.	rley, K. (2003). Vanderbilt scale in a
6 or more inatter	active/impulsive subtype (ADHI ntive subtype (ADHD-I). behaviour markers.	D-HI).		
Symptoms The following activi to items in this ques	ities may be more challenging for th stionnaire:	is individual, based on their respon	ses	
 Hyperactive/Impuls Fidgeting or squit Staying seated Controlling excession Playing quietly Feeling overly action Controlling excession Reflecting before Waiting their turn Entering social signiterrupting 	irming Pa ss movement Lis ctive or compelled Or ss talking Er e speaking mo h Ke ituations without Av	ntive ADHD symptoms: ying attention to detail staining attention to tasks stening when spoken to llowing instructions and finishing wo ganizing tasks gaging in tasks that require sustaine ental effort eping track of necessary items roiding distraction ing forgetful		
Performance marke • Reading level • Math level • Writing level • Relations with performance • Following rules • Disrupting class • Completing work • Organization	relate • Op • Co • eers • Ar	uggested that you pursue further te d to the following comorbidities: opositional-defiant disorder onduct disorder ixiety/depression	esting	



	А	ssessment Detai	ls		
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	Cognit	ive Assessment	Details		
A measure of plannin everyday activities at • Deciding the orde • Organizing your s • Planning where te	nning ial Planning ng — the ability to act with forethe ssociated with planning include: er of items to pack in a trunk or m schedule to effectively balance w o put your hands and feet when r nbling furniture without any instru	oving van. ork, chores, and soc ock climbing.		e of steps to reach a goal. C	ommon
arrive at a planne Some people with	ability, indicating the ability to d solution quickly and accurately. n ADHD perform poorly on ut deficits may be context- nconsistent.	Result Typical Range Percentile	1 > 12 15	Patros, C. H. G., Tarle, S. J., Alde Lea, S. E., & Arrington, E. F. (201 deficits in children with attention hyperactivity disorder (ADHD): A review of tower task performant Neuropsychology, 33, 425–444	9). <u>Planning</u> n-deficit/ A meta-analytic ce.
	Cognit	ive Assessment	Details		
Spa	atial Working Memo	ry			

Token Search

Measures working memory — the ability to temporarily hold information in mind and manipulate or update it based on changing circumstances or demands. Common everyday activities associated with spatial working memory include:

- Systematically searching for a lost item in your home.
- Solving a mystery by remembering a set of clues, then rearranging them in your mind to tell a story and form a theory.
- Finding the most efficient way to complete a to-do list of tasks around your home before leaving in the morning.
- Efficiently navigating shifting priorities at work.

Average Score

The average number of items that could be stored and manipulated in memory. Spatial working memory is a key component of executive function. People with ADHD tend to be impaired on complex spatial memory tasks, indicating executive dysfunction in addition to attentionspecific deficits.



Alderson, R. M., Kasper, L. J., Hudec, K. L., & Patros, C. H. G. (2013). <u>Attention-deficit/</u> hyperactivity disorder (ADHD) and working memory in adults: A meta-analytic review. Neuropsychology, 27, 287-302.



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	Co	gnitive Assessment Deta	ils	
матсн мвматсн	Attention Teature Match			
attention include Staying focus Identifying si 	tention — the ability to focus on re e: sed on a task when it counts, such milarities and differences when co Il interpersonal details, like a part	n as when driving. omparing two things, such as ⁻	two similar brands of a product.	
-	rrors responses. Some people with Al rate in simple attention tasks.	Result 1 Typical Range <	Tirosh, E., Perets-Dubrovsky, S., M., & Hocherman, S. (2006). <u>Vis</u> tracking related to attention-def hyperactivity disorder (ADHD). <i>Neurology, 21,</i> 502-507.	uomotor ĩcit
	e oonding. Some people with ADHI er than average to simple attentio	n Result 2491m Typical Range > 2472m	D4 receptor gene 7-repeat diler	ran, M., & f the dopamine e with nance of
than average	espond faster and less accurately are considered impulsive. People re more likely to respond quickly	Less accurate, but not e faster	Inoue, K., Nadaoka, T., Oiji, A., M Totsuka, S., Kanbayashi, Y., & Hu Clinical evaluation of attention-o hyperactivity disorder by object measures. Child Psychiatry and	ukui, T. (1998). deficit ive quantitative



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	C	ognitive Assessme	nt Details		
** 10 · · · ·	ocnonco Inhibition				
BLUE	esponse Inhibition				
•	nse inhibition, the ability to conc			·	nse despite
	nmon everyday activities assoc eyes on the road when driving,				
Ū.	background conversations whe				
 Inhibiting you 	r emotional gut reaction to a so	cial media post to form	nulate a mor	re rational response.	
Number of Er	rors	(6		
Inaccuracy of	responses. People with ADHD	end		Shallice, T., Marzocchi, G. M., Cos Savio, M., Meuter, R. F., & Rumiati	
	errors in response to all types	of Result	13	Executive function profile of child attention deficit hyperactivity disc	Iren with
stimuli.		Typical Range	< 11	Developmental Neuropsycholog	
		Percentile	88		
Interference I	Ratio for Errors	\bigcap	Q		
The ratio of a	ccuracy when responding to			Homack, S., & Riccio, C. A. (2004 analysis of the sensitivity and spe	
	uli vs. simple stimuli. High score	Result	6	Stroop Color and Word Test with Archives of Clinical Neuropsycho	children.
	icit specific to inhibition—that is	Typical Range	< 5	725-743.	nogy, 19,
responding le	ss accurately to distracting stim	uli. Percentile	85		
Interference I	Ratio for Reaction Time	(
The ratio of re	eaction time to complex stimuli v	'S.	٩	Lansbergen, M. M., Kenemans, J. Engeland, H. (2007). <u>Stroop inter</u>	
	. High scores indicate a deficit	Result	1.3	attention-deficit/hyperactivity dis	order: A
	ibition—that is, responding mor	e Typical Range	< 1.0	review and meta-analysis. Neuro 21, 251–262.	psychology,
slowly to distr	acting stimuli.	Percentile	90		
Overall React	ion Time		6		
Speed of resp	oonding, regardless of the			Pocklington, B., & Maybery, M. (2 Proportional slowing or disinhibit	
complexity of	the stimulus. People with ADHE	Result	2721ms	A Brinley plot meta-analysis of St	roop Color
	nd slower on short-term respon	se Typical Range		and Word Test performance. Inte Journal of Disability, Developmen	
inhibition task	S.	Percentile	87	Education, 53, 67-91.	
Reaction Time	e Variability	p			
Variation in re	sponse speeds. People with AD	HD		Borella, E., Ribaupierre, A., Cornc Chicherio, C. (2013). Beyond inte	
may occasion	ally lose focus, leading to	Pocult	987ms	control impairment in ADHD: Evid	dence from
inconsistant r	eaction times.	Result Typical Range	987ms < 1088ms	increased intraindividual variabili Stroop test. Child Neuropsycholo	
		. , prouringe			··· , , , , , , , , , , , , , , , , , ,



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	Cog	gnitive Assessment De	tails	
co	Sustained Attention	to Response Tas	sk	
 situations. Comm Everyday "slip throwing awa Inappropriate enjoy your foo 	non everyday activities associated os" in attention when performing y the vegetables instead of their or automatic responses when co	d with impaired sustained a routine tasks—for example peels. onditions change, such as r	, pouring cream in a requested blac esponding "you too" when a server	k coffee, or
measure of re ADHD have tr inhibition and	Errors to responding inappropriately. A sponse inhibition. Many people v rouble with maintaining response tend to make more errors of this ined attention tasks.	vith Result Typical Range Percentile	 Willcutt, E. G., Doyle, A. E., Nigg, S. V., & Pennington, B. F. (2005). executive function theory of atternation theory of atte	Validity of the ntion-deficit/ nalytic review.
appropriate tii people with A	ors to failing to respond at the me. A measure of vigilance. Some DHD have deficits in vigilance an rrors on sustained attention tasks	d Result Typical Range	 Willcutt, E. G., Doyle, A. E., Nigg, S. V., & Pennington, B. F. (2005). executive function theory of attee hyperactivity disorder: A meta-an 8iological Psychiatry, 57, 1336-13 93 	Validity of the ntion-deficit/
may occasion inconsistent re	e Variability sponse speeds. People with ADH ally lose focus, leading to eaction times. Variability in reaction tently and strongly linked with	Result 26	Klein, C., Wendling, K., Huettner, (2006). <u>Intra-subject variability in</u> <u>deficit hyperactivity disorder</u> . <i>Bio</i> 64ms <i>Psychiatry, 60</i> , 1088-1097. 68ms 9	attention-
commission e and be more o people with A	FErrors f slowing down after making a rror. Most people tend to slow do careful after making an error, but .DHD may slow down less, or eve r an error (indicated by a negative	Result 9 Typical Range < -63 n Percentile	Shallice, T., Marzocchi, G. M., Co Savio, M., Meuter, R. F., & Rumiat <u>Executive function profile of child</u> attention deficit hyperactivity dis .5ms <i>Developmental Neuropsycholog</i> 45	i, R. I. (2002). dren with order.