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Delis-Kaplan Executive Function System (D-KEFS)**

Availability	Please visit <a href="#">this website for more information about the instrument: <b><u>Delis-Kaplan Executive System (D-KEFS)</u></b></a>
Classification	Supplemental – Sickle Cell Disease (SCD)
Short Description of Instrument	<p>The Delis-Kaplan Executive Function System™ (D-KEFS™) is the first nationally standardized set of tests to evaluate higher level cognitive functions in both children and adults.</p> <p>With nine stand-alone tests, the D-KEFS™ comprehensively assesses the key components of executive functions believed to be mediated primarily by the frontal lobe.</p> <p><b>Engaging Materials:</b> Its game-like format is engaging for examinees, encouraging optimal performance without providing "right/wrong" feedback that can create frustration in some children and adults.</p> <p><b>Multiple Uses:</b></p> <ul style="list-style-type: none"> <li>• Assess the integrity of the frontal system of the brain</li> <li>• Determine how deficits in abstract, creative thinking may impact daily life</li> <li>• Plan coping strategies and rehabilitation programs tailored to each patient's profile of executive-function strengths and weaknesses</li> </ul> <p><b>Two Forms:</b> D-KEFS™ offers two forms: The Standard Record Forms include all nine D-KEFS™ tests, while the Alternate Record Forms include alternate versions of D-KEFS™ Sorting, Verbal Fluency, and 20 Questions Tests. An alternate set of Sorting Cards is also available.</p> <p><b>Correlates with the California Verbal Learning Test–II (CVLT-II):</b> D-KEFS™ is correlated with the CVLT–II, providing information concerning the role of memory on D-KEFS™ performance.</p>
Scoring and Psychometric Properties	<p><b>Scoring:</b> Each subtest generates one or more scaled scores and percentiles characterizing performance in relation to typically performing controls. Administrators can also elect to calculate optional process scores that provide cumulative percentile ranks characterizing performance strategies. Contrast scores are also</p>

	<p>available within each subtest to assess the degree to which performance is affected by aspects of cognitive functioning (e.g., motor speed or inhibition or cognitive flexibility). Scoring may either be done manually or using computer software.</p> <p><b>Psychometric Properties:</b> D-KEFS is a well-designed test of frontal lobe functioning which measures a broad range of neuropsychological abilities. The D-KEFS has good validity for detecting executive dysfunction.</p>
<b>Rationale/Justification</b>	<p><b>Strengths/Weaknesses:</b> The battery provides an updated normative sample for several classic neuropsychological tests of executive function and has been widely employed in research and clinical use.</p>
<b>References</b>	<p>Delis DC, Kaplan E, Kramer JH. Delis-Kaplan Executive Function System™ (D-KEFS™) [Internet] 2001.</p> <p>Delis DC, Kramer JH, Kaplan E, Holdnack J. Reliability and validity of the Delis-Kaplan Executive Function System: an update. <i>J Int Neuropsychol Soc.</i> 2004;10(2):301–303.</p> <p>McGee CL, Delis DC, Holdnack JA. Cognitive discrepancies in children at the ends of the bell curve: a note of caution for clinical interpretation. <i>Clin Neuropsychol.</i> 2009;23(7):1160–1172.</p> <p>Parmenter BA, Zivadinov R, Kerenyi L, Gavett R, Weinstock-Guttman B, Dwyer MG, Garg N, Munschauer F, Benedict RH. Validity of the Wisconsin Card Sorting and Delis-Kaplan Executive Function System (DKEFS) Sorting Tests in multiple sclerosis. <i>J Clin Exp Neuropsychol.</i> 2007;29(2):215–223.</p> <p>Shunks AW, Davis AS, Dean RS. Review of the Delis Kaplan Executive Function System (D-KEFS). <i>Applied Neuropsychology.</i> 2006;13(4):275-279.</p>