Table 1. Individually administered comprehensive intelligence batteries

Intelligence Battery	Publication Date	Age range (years)	Composite *g*-score	Component part scales	*g*-loadings [b]	h^2 [c]
CAS	1997	5-17	Full Scale (FS) - 4	Simultaneous	0.77	0.59
				Planning	0.75	0.56
				Attention	0.75	0.56
				Successive	0.66	0.44
DAS-II	2007	2-17	General Conceptual Ability (GCA)	Nonverbal Ability	0.81	0.66
				Spatial Ability	0.80	0.64
				Verbal Ability	0.78	0.61
				Working Memory	0.69	0.48
				Processing Speed	0.54	0.29
KABC-II	2004	3-18	Mental Processing Index (MPI) Fluid-Crystallized Index (FCI)	Gf/Planning	0.81	0.66
				Gc/Knowledge	0.81	0.66
				Gv/Simultaneous	0.77	0.59
				Glr/Learning	0.75	0.56
				Gsm/Sequential	0.67	0.45
SB5	2003	2-85+	Full Scale IQ (FS IQ)	Quantitative Reasoning	0.89	0.79
				Knowledge	0.86	0.74
				Visual-Spatial Processing	0.88	0.77
				Fluid Reasoning	0.86	0.74
				Working Memory	0.85	0.72
WAIS-IV	2008	16-90+	Full Scale IQ (FS IQ)	Working Memory Index	0.85	0.72
				Perceptual Reasoning Index	0.85	0.72
				Verbal Comprehension Index	0.83	0.69
				Processing Speed Index	0.74	0.55
WISC-IV	2004	6-16	Full Scale IQ (FS IQ)	Perceptual Reasoning Index	0.84	0.71
				Verbal Comprehension Index	0.83	0.69
				Working Memory Index	0.78	0.61
				Processing Speed Index	0.72	0.52

WJ III /NU	2001, 2007 [a]	2-90+	General Intellectual Ability	Fluid Reasoning	0.79	0.62
			(GIA-Standard;	Comprehension-Knowledge	0.79	0.62
			GIA-Extended)	Long-term Storage & Retrieval	0.78	0.61
				Auditory Processing	0.69	0.48
				Short-term Memory	0.69	0.48
				Visual Processing	0.61	0.37
				Processing Speed	0.61	0.37

Note: CAS = Cognitive Assessment System (Naglieri & Das, 1997); DAS-II = Differential Ability Scales--Second Edition (Elliott, 2007); KABC-II = Kaufman Assessment Battery for Children--Second Edition (Kaufman & Kaufman, 2004); SB5 = Stanford Intelligence Scales--Fifth Edition (Roid, 2003); WAIS-IV = Wechsler Adult Intelligence Scale--Fourth Edition (Wechsler, 2008); WISC-V = Wechsler Intelligence Scale for Children--Fourth Edition (Wechsler, 2004); WJ III / NU = Woodcock-Johnson Battery--Third Edition and Normative Udate (Woodcock, McGrew, Schrank, & Mather, 2001, 2007).

[a] = WJ III was first published in 2001 and then the norms were "freshened" with a normative update in 2007.

[b] = Within each battery principal component analysis was used to extract a single *g* -component from correlation matrices reported in the respective technical manuals. Tables A.10 and A.11 were used from the CAS manual; Tables 8.2 and 8.3 from the DAS-II manual; Tables 8.10 to 8.13 from the KABC-II manual; Table A.6 from the SB5 manual; Tables 5.1 from the WAIS-IV and WISC-IV manuals. For the WJ III Kevin McGrew calculated the first principal component loadings across ages 6-adulthood in the WJ III NU norm data. When more than one correlation matrix was analyzed, the median value was calculated and is reported in this column. These values were used to order the respective component part scales from the highest to the lowest within-battery values. It is important to note that these are within-battery estimates and comparisons across the different batteries is not appropriate.

[c] = communality or percent of variance shared with principal *g* -factor.