

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 20-34 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory							
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score	
19	100		100	95	91	93	93	93	91						19	
18	98	100	96	91	87	89	89	89	87	80				88	18	
17	94	98	91	87	83	85	85	85			89				17	
16	89	94	85	82	78	81	81	81	80		85				16	
15	85	90	80	78	74	77	78	77	76	70	81	74	62	75	15	
14	81	85	75	74	70	74	74	73	72	67	78		59		14	
13	77	81	70	69	66	70	70	69	68	64	74	67		66	13	
12	72	77	65	65	61	66	66	65	64		70	63	54	62	12	
11	68	72	60	60	57	62	63	61	60	57	66	60		57	11	
10	64	68	55	56	53	58	59	57	56	54	62	56	48	53	10	
9	60	64	49	52	49	54	55	53		51	59	53	45	49	9	
8	55	59	44	47	45	50	51	49	48	48	55	49	42	44	8	
7	51	55	39	43	40	46	47	46	44		51	46	39	40	7	
6	47	51	34	39	36	43	44	42	40	41	47	42	37	36	6	
5	43	47	29	34	32	39	40	38	37	38	44	38	34	31	5	
4	38	42	24	30	28	35	36	34	33		40	35	31	27	4	
3	34	38	19	25	23	31	32	30	29	32	36	31	28	23	3	
2	30	34	14	21	19	27	29	26	25		32	28	25	18	2	
1	26	29	8	17	15	23	25	22		25	29	24	22	14	1	
0		25	3	12				18		22	25	21	19		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		89		95		91		100								19
18	89	99	85	77			87		99								18
17	85	95	81	73	87		82		94	96				97	83		17
16	81	91	77	70	83	73	78		90	91		96		93	79	83	16
15	77	86	72	66	79	69	74		86	87				89	76		15
14	73	82	68	63	75	65	70		82	82		87		85	72	75	14
13	69	78	64	59	71	61	66		78	77	79	83		81	68	71	13
12	65	73	60	56	67	56	61		74	73			63	77	65	67	12
11	61	69	56	52	64	52	57	60	69	68	70	74		73	61	63	11
10	57	65	52	49	60	48	53		65	64	66	70		69	57	59	10
9	53	60	47	45	56	44	49	51	61	59	62	65	48	65	54	56	9
8	49	56	43	41	52	40	45		57	55	58	61		61	50	52	8
7	45	52	39	38	48	36	41	41	53	50	53	56	39	57	46	48	7
6	41	47	35	34	44	32	36		49	46	49	52		53	43	44	6
5	37	43	31	31	40	28	32	32	45	41	45	47	29	49	39	40	5
4	33	39	27	27	36	24	28		40	37	41	43		45	35	36	4
3	30	34	22		32	20	24	22	36	32	36	38	20	41	32		3
2	26	30	18		28	15	20	17	32	27	32	34	15	37			2
1	22	25	14		24	11	16	13	28	23	28	29	10				1
0		21				7	11	8	18	24					21	20	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		95		90				92	100	99	88		19
18	96	100	96				85				87	96	95	84		18
17	92	96	92		85		81			78		92		80		17
16	88	92	89			75	76	71	78			87	86	76		16
15	84	88	85		75		71	67			74					15
14	80	83	82	68	70	67	67	63	69		69	78	77	68		14
13	75	79	78		65		62	60		61		74	73	64	61	13
12	71	75	75	62	60	58	58	56	60		60	69	68		57	12
11	67	71	71	59	55	54	53	52	56	53	56	65	64	56	53	11
10	63	66	68	56	50	50	49	48	51		51	60	60	52	50	10
9	59	62	64	53	45	46	44	44	47	45	47	56	55	48	46	9
8	55	58	61	50	39	41	39	41	42		42	51	51	44	42	8
7	50	54	57	46	34	37	35	37	38	37	38	47	46	41	39	7
6	46	49	54	43		33	30	33	33	33		42	42	37	35	6
5	42	45	50	40	24	29	26	29	29	28	29	38	37	33	31	5
4	38	41	47	37		24	21	25	24	24		33	33	29	27	4
3	34	36	43	34	14	20	16		20	20		28	29	25	24	3
2	29	32	39	31	9	16	12	18	15	16		24	24	21	20	2
1	25		36	28	4	12	7	14	11	12				17		1
0				25		8	3	10								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	87	88	100	100	91	95	89	93	89				84	81	19
18	84	84	100	99	86	91	85	88	84				80	77	18
17	81	80	96	94	82	87	81	83	80				76	73	17
16	77	77	90	88	78	82	77	79	75				72	69	16
15	74	73	85	83	74	78	73	74	71			63	68	66	15
14	70	69	79	78	70	74	69	69	66	61			64	62	14
13	67	66	73	72	66	69	65	65	62		59	57	61	58	13
12	63	62	68	67	62	65	61	60	57	53			57	54	12
11	60	59	62	62	58	61	56	55	52		52	51	53	50	11
10	56	55	57	56	54	56	52	50	48	46	49	48	49	46	10
9	53	51	51	51	50	52	48	46	43	42	46	45	45	42	9
8	49	48	46	46	45	48	44	41	39	39	42	42	41	38	8
7	46	44	40	40	41	43	40	36	34	35	39	39	37	34	7
6	43	41	34	35	37	39	36	32	30	31	35	36	33	30	6
5	39	37	29	30	33	35	32	27	25	28	32	33	30	26	5
4	36	33	23	24	29	30	28	22	21	24	29	30	26	22	4
3	32	30	18	19	25	26	24	18	16	20	25	27	22	18	3
2	29	26	12	14	21	22	20	13	12	17	22	24	18	14	2
1	25	22	7	9	17	18	16	8	7	13	18	21	14	10	1
0	22	19	1	3	13	13		4							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	100		100	100	95	95	93	94	91						19
18	96	100	100	96	91	92	89	90	87	81				91	18
17	92	96	96	91	87	88	86	86			91				17
16	88	92	91	87	83	84	82	82	80		87				16
15	83	88	86	83	78	80	78	78	76	71	84	75	64	78	15
14	79	83	81	78	74	76	74	74	72	68	80		61		14
13	75	79	76	74	70	72	71	70	68	65	76	68		69	13
12	71	75	70	69	66	68	67	66	64		72	64	55	65	12
11	66	70	65	65	61	64	63	62	60	58	68	61		61	11
10	62	66	60	61	57	60	59	58	56	55	65	57	50	56	10
9	58	62	55	56	53	57	56	54		52	61	54	47	52	9
8	54	57	50	52	49	53	52	50	48	49	57	50	44	48	8
7	50	53	45	48	44	49	48	46	44		53	46	41	43	7
6	45	49	40	43	40	45	44	42	40	42	50	43	38	39	6
5	41	44	34	39	36	41	41	38	37	39	46	39	35	35	5
4	37	40	29	35	32	37	37	35	33		42	36	32	30	4
3	33	36	24	30	28	33	33	31	29	33	38	32	30	26	3
2	28	31	19	26	23	29	29	27	25		34	29	27	22	2
1	24	27	14	21	19	26	26	23		26	31	25	24	17	1
0		23	9	17				19		23	27	21	21		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	97		93		97		96		100								19
18	93	99	89	80			91		97								18
17	89	94	84	76	89		87		93	96				97	84		17
16	85	90	80	72	85	75	83		89	91		96		93	80	83	16
15	81	86	76	69	81	71	79		85	87				89	76		15
14	77	81	72	65	77	67	75		81	82		87		85	73	75	14
13	73	77	68	62	73	63	71		76	77	79	82		81	69	71	13
12	69	72	64	58	69	59	66		72	73			63	77	65	67	12
11	65	68	59	55	65	55	62	61	68	68	70	73		73	62	63	11
10	61	64	55	51	61	51	58		64	64	66	69		69	58	59	10
9	57	59	51	47	57	47	54	52	60	59	62	65	49	65	54	55	9
8	53	55	47	44	53	42	50		56	55	57	60		61	51	51	8
7	49	51	43	40	50	38	46	42	52	50	53	56	39	57	47	47	7
6	45	46	39	37	46	34	41		47	46	49	51		53	43	43	6
5	41	42	34	33	42	30	37	33	43	41	45	47	29	49	40	39	5
4	37	38	30	30	38	26	33		39	37	41	42		45	36	35	4
3	33	33	26		34	22	29	23	35	32	36	38	20	41	32		3
2	29	29	22		30	18	25	18	31	27	32	33	15	37			2
1	25	25	18		26	14	21	14	27	23	28	29	10				1
0		20				10	16	9		18	24				21	20	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		97		92				95	100	100	91		19
18	98	100	97				88				90	99	99	87		18
17	93	99	94		87		83			81		95		83		17
16	89	94	90			79	79	73	82			90	90	79		16
15	85	90	87		77		74	69			77					15
14	81	86	83	69	72	70	69	66	73		72	81	81	71		14
13	77	81	80		67		65	62		65		77	77	67	61	13
12	72	77	76	62	62	62	60	58	64		63	72	72		57	12
11	68	73	73	59	57	57	56	54	59	57	59	68	68	59	53	11
10	64	69	69	56	52	53	51	50	55		54	63	63	55	50	10
9	60	64	66	53	47	49	46	47	50	48	50	59	59	51	46	9
8	56	60	62	50	42	45	42	43	46		45	54	54	47	42	8
7	51	56	59	47	37	41	37	39	41	40	41	50	50	43	39	7
6	47	51	55	44		36	33	35	37	36		45	46	39	35	6
5	43	47	51	41	27	32	28	31	32	32	32	41	41	35	31	5
4	39	43	48	38		28	24	28	28	28		36	37	31	27	4
3	35	39	44	35	17	24	19		23	24		31	32	27	24	3
2	31	34	41	32	12	19	14	20	19	19		27	28	23	20	2
1	26		37	29	7	15	10	16	14	15				19		1
0				25		11	5	12								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	90	90	100	100	95	99	93	98	93				87	84	19	
18	86	87	100	100	91	95	88	93	89				83	81	18	
17	83	83	96	94	87	91	84	88	84				79	77	17	
16	79	79	91	89	83	86	80	83	80				75	73	16	
15	76	76	85	84	79	82	76	79	75			65	71	69	15	
14	73	72	80	78	75	78	72	74	71	63			67	65	14	
13	69	68	74	73	71	73	68	69	66		60	59	64	61	13	
12	66	65	69	68	67	69	64	65	62	56			60	57	12	
11	62	61	63	62	62	65	60	60	57		53	53	56	53	11	
10	59	58	57	57	58	60	56	55	52	49	49	50	52	49	10	
9	55	54	52	52	54	56	52	51	48	45	46	47	48	45	9	
8	52	50	46	46	50	52	48	46	43	42	43	44	44	41	8	
7	48	47	41	41	46	47	44	41	39	38	39	41	40	37	7	
6	45	43	35	36	42	43	40	36	34	34	36	38	36	33	6	
5	42	39	30	30	38	39	36	32	30	31	33	35	33	29	5	
4	38	36	24	25	34	34	32	27	25	27	29	32	29	25	4	
3	35	32	19	20	30	30	28	22	21	23	26	29	25	21	3	
2	31	29	13	15	25	26	24	18	16	20	22	26	21	17	2	
1	28	25	7	9	21	21	20	13	12	16	19	23	17	13	1	
0	24	21	2	4	17	17		8							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	100		100	100	97	97	94	95	91						19
18	96	99	100	98	93	93	90	91	87	82				93	18
17	92	95	99	94	89	89	86	87			92				17
16	88	91	94	89	85	85	82	83	80		88				16
15	83	86	89	85	80	81	79	79	76	72	85	75	64	80	15
14	79	82	83	81	76	77	75	75	72	69	81		61		14
13	75	78	78	76	72	73	71	71	68	65	77	68		71	13
12	71	73	73	72	68	69	67	67	64		73	65	55	67	12
11	66	69	68	67	63	66	63	63	60	59	69	61		62	11
10	62	65	63	63	59	62	60	59	56	56	66	57	49	58	10
9	58	61	58	59	55	58	56	55		52	62	54	46	54	9
8	54	56	53	54	51	54	52	51	48	49	58	50	44	49	8
7	50	52	47	50	47	50	48	47	44		54	47	41	45	7
6	45	48	42	46	42	46	45	43	40	43	51	43	38	41	6
5	41	43	37	41	38	42	41	39	37	40	47	40	35	36	5
4	37	39	32	37	34	38	37	35	33		43	36	32	32	4
3	33	35	27	32	30	35	33	31	29	33	39	33	29	28	3
2	28	30	22	28	25	31	30	27	25		35	29	27	23	2
1	24	26	17	24	21	27	26	23		27	32	25	24	19	1
0		22	12	19				19		23	28	22	21		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCR N	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	97		95		97		98		100								19
18	93	100	90	81			94		97								18
17	89	97	86	77	89		90		93	96				97	84		17
16	85	92	82	74	85	77	86		89	91		96		93	80	83	16
15	81	88	78	70	81	72	81		85	87				89	77		15
14	77	83	74	67	77	68	77		81	82		87		85	73	75	14
13	73	79	70	63	73	64	73		76	77	79	83		81	69	71	13
12	69	75	65	59	69	60	69		72	73			63	77	66	67	12
11	65	70	61	56	65	56	65	62	68	68	70	74		73	62	63	11
10	61	66	57	52	61	52	61		64	64	66	69		69	58	59	10
9	57	62	53	49	57	48	56	52	60	59	62	65	49	65	55	55	9
8	53	57	49	45	53	44	52		56	55	57	61		61	51	51	8
7	49	53	45	42	50	40	48	43	52	50	53	56	39	57	47	47	7
6	45	49	40	38	46	35	44		47	46	49	52		53	44	43	6
5	41	44	36	34	42	31	40	33	43	41	45	47	30	49	40	39	5
4	37	40	32	31	38	27	36		39	37	41	43		45	36	35	4
3	33	36	28		34	23	31	24	35	32	36	38	20	41	33		3
2	29	31	24		30	19	27	19	31	27	32	34	15	37			2
1	25	27	20		26	15	23	14	27	23	28	29	10				1
0		23				11	19	9		18	24				22	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		98		94				96	100	100	92		19
18	98	100	98				89				91	100	100	88		18
17	94	100	95		88		85			83		96		84		17
16	90	95	91			80	80	75	83			92	92	80		16
15	86	91	88		77		75	71			78					15
14	81	87	84	69	72	72	71	67	74		74	83	83	72		14
13	77	83	80		67		66	63		67		78	78	68	63	13
12	73	78	77	63	62	63	62	59	65		65	74	74		59	12
11	69	74	73	60	57	59	57	56	61	58	60	69	69	60	55	11
10	65	70	70	57	52	55	53	52	56		56	65	65	56	52	10
9	60	65	66	54	47	51	48	48	52	50	51	60	61	52	48	9
8	56	61	63	50	42	47	43	44	47		47	56	56	48	44	8
7	52	57	59	47	37	42	39	40	43	42	42	51	52	44	41	7
6	48	53	56	44		38	34	37	38	38		47	47	40	37	6
5	44	48	52	41	27	34	30	33	34	34	33	42	43	36	33	5
4	40	44	49	38		30	25	29	29	29		38	39	32	29	4
3	35	40	45	35	17	25	20		25	25		33	34	28	26	3
2	31	35	42	32	12	21	16	21	20	21		28	30	24	22	2
1	27		38	29	7	17	11	18	16	17				20		1
0				26		13	7	14								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	91	91	100	100	98	100	94	100	96				88	86	19	
18	88	88	100	100	94	97	90	95	91				84	82	18	
17	84	84	97	95	89	93	86	91	86				81	78	17	
16	81	81	91	89	85	89	82	86	82				77	74	16	
15	77	77	86	84	81	84	78	81	77			66	73	70	15	
14	74	73	80	79	77	80	74	76	73	65			69	66	14	
13	70	70	75	74	73	76	70	72	68		62	60	65	62	13	
12	67	66	69	68	69	71	66	67	64	58			61	58	12	
11	63	62	64	63	65	67	62	62	59		55	54	57	54	11	
10	60	59	58	58	61	63	58	58	55	51	52	51	53	50	10	
9	57	55	52	52	57	58	54	53	50	47	49	48	50	47	9	
8	53	52	47	47	52	54	50	48	46	43	45	45	46	43	8	
7	50	48	41	42	48	50	46	44	41	40	42	42	42	39	7	
6	46	44	36	36	44	45	42	39	36	36	38	39	38	35	6	
5	43	41	30	31	40	41	38	34	32	32	35	36	34	31	5	
4	39	37	25	26	36	37	34	29	27	29	32	33	30	27	4	
3	36	34	19	20	32	32	30	25	23	25	28	30	26	23	3	
2	32	30	14	15	28	28	25	20	18	21	25	27	22	19	2	
1	29	26	8	10	24	24	21	15	14	18	21	24	18	15	1	
0	25	23	2	4	20	19		11							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	99		100	100	99	98	94	95	91						19
18	94	98	100	100	95	94	90	92	87	82				95	18
17	90	94	100	96	91	90	87	88			93				17
16	86	90	96	92	87	86	83	84	80		89				16
15	82	85	91	87	82	82	79	80	76	72	86	76	64	81	15
14	78	81	86	83	78	78	75	76	72	69	82		62		14
13	73	77	81	79	74	75	72	72	68	66	78	69		73	13
12	69	72	76	74	70	71	68	68	64		74	65	56	68	12
11	65	68	71	70	66	67	64	64	60	59	71	61		64	11
10	61	64	66	65	61	63	60	60	56	56	67	58	50	60	10
9	56	59	60	61	57	59	57	56		53	63	54	47	55	9
8	52	55	55	57	53	55	53	52	48	50	59	51	44	51	8
7	48	51	50	52	49	51	49	48	44		55	47	42	47	7
6	44	46	45	48	44	47	45	44	40	43	52	44	39	42	6
5	39	42	40	44	40	44	42	40	37	40	48	40	36	38	5
4	35	38	35	39	36	40	38	36	33		44	36	33	34	4
3	31	34	30	35	32	36	34	32	29	34	40	33	30	29	3
2	27	29	25	30	27	32	30	28	25		37	29	27	25	2
1	23	25	19	26	23	28	26	24		27	33	26	25	21	1
0		21	14	22				20		24	29	22	22		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		96		99		100		100								19
18	96	100	92	82			96		96								18
17	92	99	88	79	91		92		92	96				97	84		17
16	88	94	84	75	87	78	88		88	91		97		93	81	83	16
15	84	90	80	71	83	74	84		83	87				89	77		15
14	80	86	76	68	79	70	80		79	82		88		85	73	75	14
13	76	81	71	64	75	65	76		75	77	79	83		81	70	71	13
12	72	77	67	61	71	61	71		71	73			63	77	66	67	12
11	68	73	63	57	67	57	67	62	67	68	70	75		73	62	63	11
10	64	68	59	54	63	53	63		63	64	66	70		69	59	59	10
9	60	64	55	50	59	49	59	53	59	59	62	66	49	65	55	55	9
8	56	60	51	46	55	45	55		54	55	57	61		61	51	51	8
7	52	55	46	43	51	41	51	43	50	50	53	57	39	57	48	47	7
6	48	51	42	39	47	37	46		46	46	49	52		53	44	43	6
5	44	47	38	36	43	33	42	34	42	41	45	48	30	49	40	39	5
4	40	42	34	32	39	28	38		38	37	41	43		45	37	35	4
3	36	38	30		36	24	34	24	34	32	36	39	20	41	33		3
2	32	34	26		32	20	30	19	29	27	32	34	15	37			2
1	28	29	21		28	16	25	15	25	23	28	30	10				1
0		25				12	21	10		18	24				22	19	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		99		96				97	100	100	93		19
18	100	100	99				91				93	100	100	89		18
17	96	100	95		89		86			85		98		85		17
16	91	96	92			82	82	76	85			93	93	81		16
15	87	92	88		79		77	72			79					15
14	83	88	85	69	74	74	73	69	76		75	84	85	73		14
13	79	84	81		69		68	65		68		80	80	69	63	13
12	75	79	78	63	64	65	63	61	67		66	75	76		59	12
11	70	75	74	60	58	61	59	57	62	60	61	71	71	61	55	11
10	66	71	71	57	53	57	54	53	58		57	66	67	57	52	10
9	62	66	67	54	48	53	50	50	53	52	52	62	62	53	48	9
8	58	62	64	51	43	48	45	46	49		48	57	58	49	44	8
7	54	58	60	48	38	44	41	42	44	44	43	53	54	45	41	7
6	50	54	56	45		40	36	38	40	39		48	49	41	37	6
5	45	49	53	42	28	36	31	34	35	35	35	44	45	37	33	5
4	41	45	49	38		31	27	31	31	31		39	40	33	29	4
3	37	41	46	35	18	27	22		26	27		35	36	29	26	3
2	33	37	42	32	13	23	18	23	22	23		30	31	25	22	2
1	29		39	29	8	19	13	19	17	19				21		1
0				26		15	8	15								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	92	93	100	100	100	100	96	100	98				90	88	19	
18	89	89	100	100	96	100	92	98	93				86	84	18	
17	85	85	98	95	92	95	88	93	89				82	80	17	
16	82	82	92	90	88	91	84	88	84				78	76	16	
15	78	78	87	85	84	87	80	84	80			68	74	72	15	
14	75	75	81	79	79	82	76	79	75	67			70	68	14	
13	72	71	75	74	75	78	72	74	71		64	62	67	64	13	
12	68	67	70	69	71	74	68	69	66	60			63	60	12	
11	65	64	64	64	67	70	64	65	61		57	56	59	56	11	
10	61	60	59	58	63	65	60	60	57	53	54	53	55	52	10	
9	58	57	53	53	59	61	56	55	52	49	50	50	51	48	9	
8	54	53	48	48	55	57	52	51	48	45	47	47	47	44	8	
7	51	49	42	42	51	52	48	46	43	42	44	44	43	40	7	
6	47	46	36	37	47	48	44	41	39	38	40	41	39	36	6	
5	44	42	31	32	42	44	39	37	34	34	37	38	35	32	5	
4	40	38	25	26	38	39	35	32	30	31	34	35	32	28	4	
3	37	35	20	21	34	35	31	27	25	27	30	32	28	24	3	
2	34	31	14	16	30	31	27	22	21	23	27	29	24	20	2	
1	30	28	9	10	26	26	23	18	16	20	23	26	20	16	1	
0	27	24	3	5	22	22		13							0	

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	99		100	100	100	99	95	97	91						19
18	94	97	100	100	97	95	91	93	87	83				96	18
17	90	93	100	98	93	91	87	89			94				17
16	86	89	99	94	89	87	83	85	80		91				16
15	82	84	94	90	85	84	80	81	76	73	87	76	65	83	15
14	78	80	89	85	80	80	76	77	72	70	83		62		14
13	73	76	84	81	76	76	72	73	68	66	79	69		74	13
12	69	71	79	76	72	72	68	69	64		75	65	57	70	12
11	65	67	74	72	68	68	65	65	60	60	72	62		66	11
10	61	63	68	68	63	64	61	61	56	57	68	58	51	61	10
9	56	58	63	63	59	60	57	57		53	64	55	48	57	9
8	52	54	58	59	55	56	53	53	48	50	60	51	45	53	8
7	48	50	53	55	51	53	50	49	44		57	48	42	48	7
6	44	45	48	50	46	49	46	45	40	44	53	44	40	44	6
5	39	41	43	46	42	45	42	41	37	41	49	40	37	40	5
4	35	37	38	42	38	41	38	37	33		45	37	34	35	4
3	31	32	32	37	34	37	35	33	29	34	41	33	31	31	3
2	27	28	27	33	30	33	31	29	25		38	30	28	27	2
1	23	24	22	28	25	29	27	25		28	34	26	25	22	1
0		19	17	24				21		24	30	23	22		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		98		99		100		100								19
18	96	100	94	83			99		96								18
17	92	100	90	80	91		95		92	96				96	85		17
16	88	97	86	76	87	79	91		88	91		97		92	81	83	16
15	84	92	82	73	83	75	86		83	87				88	77		15
14	80	88	77	69	79	71	82		79	82		89		84	74	75	14
13	76	84	73	66	75	67	78		75	77	79	84		80	70	71	13
12	72	79	69	62	71	63	74		71	73			63	76	66	67	12
11	68	75	65	58	67	58	70	63	67	68	70	75		72	63	63	11
10	64	71	61	55	63	54	66		63	64	66	71		68	59	59	10
9	60	66	57	51	59	50	61	53	59	59	62	66	49	64	55	55	9
8	56	62	52	48	55	46	57		54	55	57	62		60	52	51	8
7	52	58	48	44	51	42	53	44	50	50	53	57	39	56	48	47	7
6	48	53	44	41	47	38	49		46	46	49	53		52	44	43	6
5	44	49	40	37	43	34	45	34	42	41	45	48	30	48	41	39	5
4	40	45	36	33	39	30	40		38	37	41	44		44	37	35	4
3	36	40	32		36	26	36	25	34	32	36	39	20	40	33		3
2	32	36	27		32	22	32	20	29	27	32	35	15	36			2
1	28	32	23		28	17	28	15	25	23	28	31	10				1
0		27				13	24	10		18	24				22	19	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		97				99	100	100	94		19
18	99	100	100				93				94	100	100	90		18
17	95	100	96		90		88			86		99		86		17
16	91	98	93			84	84	78	87			95	95	82		16
15	87	93	89		80		79	74			81					15
14	83	89	85	70	75	75	75	70	78		76	86	86	74		14
13	78	85	82		70		70	67		70		81	82	70	63	13
12	74	80	78	63	65	67	65	63	69		67	77	78		59	12
11	70	76	75	60	60	63	61	59	64	62	63	72	73	62	55	11
10	66	72	71	57	55	59	56	55	60		58	68	69	58	52	10
9	62	68	68	54	50	54	52	51	55	53	54	63	64	54	48	9
8	57	63	64	51	45	50	47	48	51		49	59	60	50	44	8
7	53	59	61	48	40	46	42	44	46	45	45	54	55	46	41	7
6	49	55	57	45		42	38	40	42	41		50	51	42	37	6
5	45	50	54	42	29	37	33	36	37	37	36	45	47	39	33	5
4	41	46	50	39		33	29	32	33	33		41	42	35	29	4
3	37	42	47	36	19	29	24		28	29		36	38	31	26	3
2	32	38	43	33	14	25	20	25	24	25		31	33	27	22	2
1	28		39	29	9	21	15	21	19	20				23		1
0				26		16	10	17								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	93	94	100	100	100	100	98	100	100				91	89	19	
18	90	90	100	100	98	100	94	100	96				87	85	18	
17	87	87	99	96	94	98	90	95	91				84	81	17	
16	83	83	93	91	90	94	86	91	86				80	77	16	
15	80	80	87	86	86	89	82	86	82			71	76	73	15	
14	76	76	82	80	82	85	78	81	77	69			72	69	14	
13	73	72	76	75	78	81	74	77	73		66	65	68	65	13	
12	69	69	71	70	74	76	70	72	68	62			64	61	12	
11	66	65	65	64	69	72	66	67	64		59	59	60	58	11	
10	62	61	60	59	65	68	62	62	59	55	56	56	56	54	10	
9	59	58	54	54	61	64	57	58	55	51	53	53	53	50	9	
8	55	54	49	48	57	59	53	53	50	48	49	50	49	46	8	
7	52	51	43	43	53	55	49	48	46	44	46	47	45	42	7	
6	49	47	37	38	49	51	45	44	41	40	43	44	41	38	6	
5	45	43	32	33	45	46	41	39	36	37	39	41	37	34	5	
4	42	40	26	27	41	42	37	34	32	33	36	38	33	30	4	
3	38	36	21	22	37	38	33	30	27	29	32	35	29	26	3	
2	35	32	15	17	33	33	29	25	23	26	29	32	25	22	2	
1	31	29	10	11	28	29	25	20	18	22	26	29	21	18	1	
0	28	25	4	6	24	25		15							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 55-59 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory							
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score	
19	97		100	100	100	100	96	98	89						19	
18	93	96	100	100	99	96	92	94	85	83				98	18	
17	89	92	100	100	95	93	88	90			95				17	
16	84	87	100	96	91	89	84	86	77		92				16	
15	80	83	97	92	87	85	81	82	73	73	88	76	66	85	15	
14	76	79	92	88	82	81	77	78	70	70	84		63		14	
13	72	75	87	83	78	77	73	74	66	67	80	69		76	13	
12	67	70	81	79	74	73	69	70	62		76	66	57	72	12	
11	63	66	76	74	70	69	66	66	58	60	73	62		67	11	
10	59	62	71	70	65	65	62	62	54	57	69	59	52	63	10	
9	55	57	66	66	61	61	58	58		54	65	55	49	59	9	
8	51	53	61	61	57	58	54	54	46	51	61	52	46	54	8	
7	46	49	56	57	53	54	50	50	42		58	48	43	50	7	
6	42	44	51	53	49	50	47	46	38	44	54	44	40	46	6	
5	38	40	45	48	44	46	43	42	34	41	50	41	38	41	5	
4	34	36	40	44	40	42	39	38	30		46	37	35	37	4	
3	29	31	35	39	36	38	35	34	27	35	42	34	32	33	3	
2	25	27	30	35	32	34	32	30	23		39	30	29	28	2	
1	21	23	25	31	27	30	28	26		28	35	27	26	24	1	
0		18	20	26				23		25	31	23	23		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		99								19
18	96	100	96	85			100		95								18
17	92	100	92	81	93		97		90	96				95	85		17
16	89	99	88	78	89	80	93		86	91		98		91	81	83	16
15	85	95	83	74	85	76	89		82	87				87	78		15
14	81	90	79	70	81	72	85		78	82		89		83	74	75	14
13	77	86	75	67	77	68	81		74	77	79	85		79	70	71	13
12	73	82	71	63	73	64	76		70	73			63	75	67	67	12
11	69	77	67	60	69	60	72	63	65	68	70	76		71	63	63	11
10	65	73	63	56	65	56	68		61	64	66	71		67	59	59	10
9	61	69	58	53	61	51	64	54	57	59	62	67	49	63	56	55	9
8	57	64	54	49	57	47	60		53	55	57	62		59	52	51	8
7	53	60	50	45	53	43	55	44	49	50	53	58	39	55	48	47	7
6	49	56	46	42	49	39	51		45	46	49	53		51	45	43	6
5	45	51	42	38	45	35	47	35	41	41	45	49	30	47	41	39	5
4	41	47	38	35	41	31	43		36	37	40	45		43	37	35	4
3	37	43	33		37	27	39	25	32	32	36	40	20	38	34		3
2	33	38	29		33	23	35	20	28	27	32	36	15	34			2
1	29	34	25		29	19	30	16	24	23	28	31	11				1
0		30				15	26	11		18	24				23	19	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	95		19
18	100	100	100				95				96	100	100	91		18
17	96	100	97		91		90			88		100		87		17
16	92	99	93			86	86	80	88			96	97	83		16
15	87	94	90		81		81	76			82					15
14	83	90	86	70	76	77	77	72	79		78	87	88	76		14
13	79	86	83		71		72	69		72		83	84	72	63	13
12	75	82	79	64	66	69	68	65	70		69	78	79		59	12
11	71	77	76	61	61	65	63	61	66	63	64	74	75	64	55	11
10	66	73	72	58	56	60	58	57	61		60	69	71	60	52	10
9	62	69	69	54	51	56	54	53	57	55	55	65	66	56	48	9
8	58	64	65	51	46	52	49	50	52		51	60	62	52	44	8
7	54	60	61	48	41	48	45	46	48	47	46	56	57	48	41	7
6	50	56	58	45		43	40	42	43	43		51	53	44	37	6
5	45	52	54	42	31	39	35	38	39	39	37	47	48	40	33	5
4	41	47	51	39		35	31	34	34	35		42	44	36	29	4
3	37	43	47	36	21	31	26		30	30		38	40	32	26	3
2	33	39	44	33	16	27	22	27	25	26		33	35	28	22	2
1	29		40	30	11	22	17	23	21	22				24		1
0				27		18	13	19								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	95	95	100	100	100	100	100	100	100				93	91	19
18	91	92	100	100	100	100	96	100	98				89	87	18
17	88	88	100	97	96	100	92	98	93				85	83	17
16	84	84	94	92	92	96	88	93	89				81	79	16
15	81	81	89	87	88	92	84	88	84			74	77	75	15
14	77	77	83	81	84	88	80	84	80	72			73	71	14
13	74	74	77	76	80	83	76	79	75		69	68	70	67	13
12	70	70	72	71	76	79	71	74	70	65			66	63	12
11	67	66	66	65	72	75	67	70	66		62	62	62	59	11
10	64	63	61	60	68	71	63	65	61	57	59	59	58	55	10
9	60	59	55	55	64	66	59	60	57	54	55	56	54	51	9
8	57	55	50	49	60	62	55	55	52	50	52	53	50	47	8
7	53	52	44	44	55	58	51	51	48	46	48	50	46	43	7
6	50	48	38	39	51	53	47	46	43	43	45	47	42	39	6
5	46	45	33	34	47	49	43	41	39	39	42	44	38	35	5
4	43	41	27	28	43	45	39	37	34	35	38	41	35	31	4
3	39	37	22	23	39	40	35	32	30	32	35	38	31	27	3
2	36	34	16	18	35	36	31	27	25	28	32	35	27	24	2
1	33	30	11	12	31	32	27	23	20	24	28	32	23	20	1
0	29	27	5	7	27	27		18							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 60-64 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory							
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score	
19	97		100	100	100	100	97	99	89						19	
18	93	95	100	100	100	98	93	95	85	84				100	18	
17	89	91	100	100	97	94	89	91			96				17	
16	84	86	100	99	93	90	85	87	77		93				16	
15	80	82	100	94	89	86	81	83	73	74	89	77	67	87	15	
14	76	78	94	90	85	82	78	80	70	71	85		64		14	
13	72	73	89	86	80	78	74	76	66	67	81	70		78	13	
12	67	69	84	81	76	74	70	72	62		78	66	58	73	12	
11	63	65	79	77	72	70	66	68	58	61	74	63		69	11	
10	59	60	74	72	68	67	63	64	54	58	70	59	53	65	10	
9	55	56	69	68	63	63	59	60		54	66	55	50	60	9	
8	51	52	64	64	59	59	55	56	46	51	62	52	47	56	8	
7	46	48	58	59	55	55	51	52	42		59	48	44	52	7	
6	42	43	53	55	51	51	48	48	38	45	55	45	41	47	6	
5	38	39	48	51	46	47	44	44	34	42	51	41	38	43	5	
4	34	35	43	46	42	43	40	40	30		47	38	35	39	4	
3	29	30	38	42	38	39	36	36	27	35	44	34	33	34	3	
2	25	26	33	37	34	36	33	32	23		40	31	30	30	2	
1	21	22	28	33	29	32	29	28		29	36	27	27	26	1	
0		17	23	29				24		25	32	23	24		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		99								19
18	96	100	98	86			100		95								18
17	92	100	94	82	93		100		90	96				93	85		17
16	89	100	89	79	89	81	96		86	91		99		89	82	83	16
15	85	97	85	75	85	77	91		82	87				85	78		15
14	81	93	81	72	81	73	87		78	82		90		81	74	75	14
13	77	88	77	68	77	69	83		74	77	78	85		77	71	71	13
12	73	84	73	65	73	65	79		70	73			63	73	67	67	12
11	69	80	69	61	69	61	75	64	65	68	70	76		69	63	63	11
10	65	75	64	57	65	57	70		61	64	66	72		65	60	59	10
9	61	71	60	54	61	53	66	54	57	59	62	67	49	61	56	55	9
8	57	67	56	50	57	49	62		53	55	57	63		57	52	51	8
7	53	62	52	47	53	44	58	45	49	50	53	59	39	53	49	47	7
6	49	58	48	43	49	40	54		45	46	49	54		49	45	43	6
5	45	54	44	40	45	36	50	35	41	41	45	50	30	45	41	39	5
4	41	49	39	36	41	32	45		36	37	40	45		41	38	35	4
3	37	45	35		37	28	41	26	32	32	36	41	20	37	34		3
2	33	41	31		33	24	37	21	28	27	32	36	15	33			2
1	29	36	27		29	20	33	16	24	23	28	32	11				1
0		32				16	29	11		18	24				23	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	97		19
18	100	100	100				97				97	100	100	93		18
17	96	100	98		93		93			90		100		89		17
16	92	100	94			87	88	82	90			98	99	85		16
15	88	95	90		83		84	78			84					15
14	84	91	87	70	78	79	79	74	81		79	89	90	77		14
13	80	87	83		73		74	71		73		84	86	73	60	13
12	75	83	80	64	68	71	70	67	72		70	80	81		56	12
11	71	78	76	61	63	66	65	63	67	65	66	75	77	65	52	11
10	67	74	73	58	58	62	61	59	63		61	71	72	61	49	10
9	63	70	69	55	53	58	56	55	58	57	57	66	68	57	45	9
8	59	65	66	52	48	54	52	52	54		52	62	64	53	41	8
7	54	61	62	49	43	49	47	48	49	49	48	57	59	49	38	7
6	50	57	59	46		45	42	44	45	44		53	55	45	34	6
5	46	53	55	42	33	41	38	40	40	40	39	48	50	41	30	5
4	42	48	52	39		37	33	36	36	36		44	46	37	26	4
3	38	44	48	36	23	33	29		31	32		39	41	33	23	3
2	33	40	44	33	18	28	24	29	27	28		35	37	29	19	2
1	29		41	30	13	24	19	25	22	24				25		1
0				27		20	15	21								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	96	97	100	100	100	100	100	100	100				94	92	19	
18	92	93	100	100	100	100	98	100	100				90	88	18	
17	89	89	100	98	99	100	94	100	95				87	84	17	
16	85	86	95	93	95	99	90	95	91				83	80	16	
15	82	82	90	88	91	95	85	91	86			76	79	76	15	
14	79	78	84	83	86	90	81	86	82	75			75	73	14	
13	75	75	79	77	82	86	77	81	77		71	70	71	69	13	
12	72	71	73	72	78	82	73	77	73	67			67	65	12	
11	68	68	68	67	74	77	69	72	68		65	64	63	61	11	
10	65	64	62	61	70	73	65	67	64	60	61	61	59	57	10	
9	61	60	56	56	66	69	61	63	59	56	58	58	55	53	9	
8	58	57	51	51	62	64	57	58	55	53	55	55	52	49	8	
7	54	53	45	45	58	60	53	53	50	49	51	52	48	45	7	
6	51	50	40	40	54	56	49	48	45	45	48	49	44	41	6	
5	48	46	34	35	50	52	45	44	41	42	44	46	40	37	5	
4	44	42	29	29	45	47	41	39	36	38	41	43	36	33	4	
3	41	39	23	24	41	43	37	34	32	34	38	40	32	29	3	
2	37	35	17	19	37	39	33	30	27	31	34	37	28	25	2	
1	34	31	12	14	33	34	29	25	23	27	31	34	24	21	1	
0	30	28	6	8	29	30		20							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 65-69 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	95		100	100	100	100	98	100	89						19
18	91	94	100	100	100	99	94	97	85	84				100	18
17	87	90	100	100	99	95	90	93			97				17
16	83	85	100	100	95	91	86	89	77		94				16
15	79	81	100	97	91	87	83	85	73	74	90	77	68	88	15
14	74	77	97	92	87	83	79	81	70	71	86		65		14
13	70	72	92	88	82	79	75	77	66	68	82	70		79	13
12	66	68	87	83	78	76	71	73	62		79	67	59	75	12
11	62	64	82	79	74	72	68	69	58	61	75	63		71	11
10	57	59	77	75	70	68	64	65	54	58	71	59	53	66	10
9	53	55	72	70	65	64	60	61		55	67	56	51	62	9
8	49	51	66	66	61	60	56	58	46	52	64	52	48	58	8
7	45	46	61	62	57	56	53	54	42		60	49	45	53	7
6	40	42	56	57	53	52	49	50	38	45	56	45	42	49	6
5	36	38	51	53	49	48	45	46	34	42	52	42	39	45	5
4	32	33	46	49	44	45	41	42	30		48	38	36	40	4
3	28	29	41	44	40	41	38	38	27	36	45	34	33	36	3
2	24	25	36	40	36	37	34	34	23		41	31	31	32	2
1	19	20	30	35	32	33	30	30		29	37	27	28	27	1
0		16	25	31				26		26	33	24	25		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		97								19
18	100	100	100	87			100		93								18
17	96	100	95	84	95		100		89	96				91	86		17
16	92	100	91	80	91	83	98		85	91		99		87	82	83	16
15	88	99	87	77	87	79	94		81	87				83	78		15
14	84	95	83	73	83	74	90		77	82		90		79	75	75	14
13	80	91	79	69	79	70	85		72	77	78	86		75	71	71	13
12	76	86	75	66	75	66	81		68	73			63	71	67	67	12
11	72	82	70	62	71	62	77	64	64	68	70	77		67	64	63	11
10	68	78	66	59	67	58	73		60	64	66	73		63	60	59	10
9	64	73	62	55	63	54	69	55	56	59	62	68	49	59	56	55	9
8	60	69	58	52	59	50	65		52	55	57	64		55	53	51	8
7	56	65	54	48	55	46	60	45	48	50	53	59	39	51	49	47	7
6	52	60	50	44	51	42	56		43	46	49	55		47	45	43	6
5	48	56	45	41	47	37	52	36	39	41	45	50	30	43	42	39	5
4	44	52	41	37	43	33	48		35	37	40	46		39	38	35	4
3	40	47	37		39	29	44	26	31	32	36	41	20	35	34		3
2	36	43	33		35	25	40	21	27	27	32	37	15	31			2
1	32	38	29		31	21	35	16	23	23	28	32	11				1
0		34				17	31	12		18	24				23	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	98		19
18	100	100	100				100				98	100	100	94		18
17	97	100	98		95		95			92		100		90		17
16	93	100	95			89	91	84	92			99	100	86		16
15	89	97	91		85		86	81			85					15
14	84	92	88	70	80	81	82	77	83		80	90	92	78		14
13	80	88	84		74		77	73		75		86	87	74	60	13
12	76	84	81	64	69	72	72	69	74		72	81	83		56	12
11	72	79	77	61	64	68	68	65	69	67	67	77	79	66	52	11
10	68	75	73	58	59	64	63	62	65		63	72	74	62	49	10
9	63	71	70	55	54	60	59	58	60	59	58	68	70	58	45	9
8	59	67	66	52	49	55	54	54	56		54	63	65	54	41	8
7	55	62	63	49	44	51	49	50	51	50	49	59	61	50	38	7
6	51	58	59	46		47	45	46	47	46		54	57	46	34	6
5	47	54	56	43	34	43	40	43	42	42	40	50	52	42	30	5
4	42	49	52	40		38	36	39	38	38		45	48	38	26	4
3	38	45	49	37	24	34	31		33	34		41	43	34	23	3
2	34	41	45	34	19	30	27	31	29	30		36	39	30	19	2
1	30		42	30	14	26	22	27	24	26				26		1
0				27		22	17	24								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	97	98	100	100	100	100	100	100	100				96	94	19
18	94	94	100	100	100	100	99	100	100				92	90	18
17	90	91	100	100	100	100	95	100	98				88	86	17
16	87	87	97	95	97	100	91	98	93				84	82	16
15	83	83	91	89	93	97	87	93	89			79	80	78	15
14	80	80	86	84	89	93	83	88	84	77			76	74	14
13	76	76	80	79	85	89	79	84	79		74	73	73	70	13
12	73	73	75	73	81	84	75	79	75	70			69	66	12
11	69	69	69	68	77	80	71	74	70		68	67	65	62	11
10	66	65	63	63	72	76	67	70	66	63	64	64	61	58	10
9	63	62	58	57	68	71	63	65	61	59	61	61	57	54	9
8	59	58	52	52	64	67	59	60	57	56	57	58	53	50	8
7	56	54	47	47	60	63	55	56	52	52	54	55	49	46	7
6	52	51	41	41	56	58	51	51	48	48	51	52	45	42	6
5	49	47	36	36	52	54	47	46	43	45	47	49	41	39	5
4	45	44	30	31	48	50	43	41	39	41	44	46	38	35	4
3	42	40	25	26	44	45	39	37	34	37	40	43	34	31	3
2	38	36	19	20	40	41	35	32	29	34	37	40	30	27	2
1	35	33	13	15	35	37	31	27	25	30	34	37	26	23	1
0	31	29	8	10	31	32		23							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	94		100	100	100	100	99	100	89						19
18	90	93	100	100	100	100	95	99	85	85				100	18
17	85	89	100	100	100	96	91	95			99				17
16	81	84	100	100	97	92	88	91	77		95				16
15	77	80	100	99	93	88	84	87	73	75	91	78	68	90	15
14	73	76	100	95	89	85	80	83	70	72	87		66		14
13	68	71	95	90	84	81	76	79	66	68	83	71		81	13
12	64	67	90	86	80	77	73	75	62		80	67	60	77	12
11	60	63	85	81	76	73	69	71	58	62	76	63		72	11
10	56	58	79	77	72	69	65	68	54	59	72	60	54	68	10
9	52	54	74	73	68	65	61	64		55	68	56	51	64	9
8	47	50	69	68	63	61	58	60	46	52	65	53	48	59	8
7	43	45	64	64	59	57	54	56	42		61	49	46	55	7
6	39	41	59	60	55	53	50	52	38	46	57	46	43	51	6
5	35	37	54	55	51	50	46	48	34	43	53	42	40	46	5
4	30	32	49	51	46	46	43	44	30		49	38	37	42	4
3	26	28	43	46	42	42	39	40	27	36	46	35	34	38	3
2	22	24	38	42	38	38	35	36	23		42	31	31	33	2
1	18	19	33	38	34	34	31	32		30	38	28	29	29	1
0		15	28	33				28		26	34	24	26		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		96								19
18	100	100	100	89			100		92								18
17	99	100	97	85	97		100		88	96				88	86		17
16	95	100	93	81	93	84	100		84	91		100		84	82	83	16
15	91	100	89	78	89	80	96		79	87				80	79		15
14	87	97	85	74	85	76	92		75	82		91		76	75	75	14
13	83	93	81	71	81	72	88		71	77	78	87		72	71	71	13
12	79	89	76	67	77	67	84		67	73			63	68	68	67	12
11	75	84	72	64	73	63	80	65	63	68	70	78		64	64	63	11
10	71	80	68	60	69	59	75		59	64	66	73		60	60	59	10
9	67	76	64	56	65	55	71	55	55	59	62	69	49	56	57	55	9
8	63	71	60	53	61	51	67		50	55	57	64		52	53	51	8
7	59	67	56	49	57	47	63	46	46	50	53	60	39	48	49	47	7
6	55	63	51	46	53	43	59		42	46	49	55		44	46	43	6
5	51	58	47	42	49	39	55	36	38	41	45	51	30	40	42	39	5
4	47	54	43	39	45	35	50		34	37	40	46		36	38	35	4
3	43	49	39		41	30	46	26	30	32	36	42	20	32	35		3
2	39	45	35		37	26	42	22	25	27	32	37	15	28			2
1	35	41	31		33	22	38	17	21	23	28	33	11				1
0		36				18	34	12		18	24				24	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	99		19
18	100	100	100				100				100	100	100	95		18
17	97	100	99		96		98			93		100		91		17
16	93	100	95			91	93	87	93			100	100	87		16
15	89	98	92		86		89	83			86					15
14	85	93	88	71	81	82	84	79	84		82	92	94	79		14
13	81	89	85		76		80	75		77		87	89	75	60	13
12	77	85	81	65	71	74	75	72	75		73	83	85		56	12
11	72	81	78	62	66	70	70	68	71	68	68	78	80	67	52	11
10	68	76	74	58	61	66	66	64	66		64	74	76	63	49	10
9	64	72	71	55	56	61	61	60	62	60	59	69	72	59	45	9
8	60	68	67	52	51	57	57	56	57		55	65	67	55	41	8
7	56	63	64	49	45	53	52	53	53	52	50	60	63	51	38	7
6	51	59	60	46		49	48	49	48	48		56	58	47	34	6
5	47	55	57	43	35	44	43	45	44	44	41	51	54	43	30	5
4	43	51	53	40		40	38	41	39	40		47	49	39	26	4
3	39	46	49	37	25	36	34		35	35		42	45	35	23	3
2	35	42	46	34	20	32	29	34	30	31		38	41	31	19	2
1	30		42	31	15	28	25	30	26	27				27		1
0				28		23	20	26								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	98	99	100	100	100	100	100	100	100				97	95	19
18	95	96	100	100	100	100	100	100	100				93	91	18
17	91	92	100	100	100	100	97	100	100				90	87	17
16	88	88	99	96	99	100	93	100	95				86	84	16
15	84	85	93	91	95	99	89	96	91			82	82	80	15
14	81	81	87	86	91	95	85	91	86	81			78	76	14
13	78	77	82	80	87	91	81	86	82		77	76	74	72	13
12	74	74	76	75	83	86	77	81	77	73			70	68	12
11	71	70	71	70	79	82	73	77	73		71	70	66	64	11
10	67	67	65	64	75	78	69	72	68	66	67	67	62	60	10
9	64	63	60	59	71	73	65	67	64	62	64	64	58	56	9
8	60	59	54	54	67	69	61	63	59	59	60	61	55	52	8
7	57	56	49	48	62	65	57	58	54	55	57	58	51	48	7
6	53	52	43	43	58	60	53	53	50	51	54	55	47	44	6
5	50	48	37	38	54	56	49	49	45	48	50	52	43	40	5
4	46	45	32	33	50	52	45	44	41	44	47	49	39	36	4
3	43	41	26	27	46	47	40	39	36	40	43	46	35	32	3
2	40	38	21	22	42	43	36	34	32	37	40	43	31	28	2
1	36	34	15	17	38	39	32	30	27	33	37	40	27	24	1
0	33	30	10	11	34	35		25							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 75-79 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory						
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score
19	92		100	100	100	100	100	100	89						19
18	88	92	100	100	100	100	97	100	85	85				100	18
17	84	87	100	100	100	97	93	98			100				17
16	80	83	100	100	99	93	89	94	77		96				16
15	75	79	100	100	95	90	85	90	73	75	92	78	69	92	15
14	71	74	100	97	91	86	82	86	70	72	88		66		14
13	67	70	98	93	87	82	78	82	66	69	85	71		83	13
12	63	66	92	88	82	78	74	78	62		81	67	61	79	12
11	58	62	87	84	78	74	70	74	58	62	77	64		74	11
10	54	57	82	79	74	70	67	70	54	59	73	60	55	70	10
9	50	53	77	75	70	66	63	66		56	69	57	52	65	9
8	46	49	72	71	65	62	59	62	46	53	66	53	49	61	8
7	41	44	67	66	61	59	55	58	42		62	50	46	57	7
6	37	40	62	62	57	55	52	54	38	46	58	46	44	52	6
5	33	36	56	58	53	51	48	50	34	43	54	42	41	48	5
4	29	31	51	53	48	47	44	46	30		51	39	38	44	4
3	25	27	46	49	44	43	40	42	27	37	47	35	35	39	3
2	20	23	41	44	40	39	37	38	23		43	32	32	35	2
1	16	18	36	40	36	35	33	34		30	39	28	29	31	1
0		14	31	36				30		27	35	25	27		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		95								19
18	100	100	100	90			100		91								18
17	100	100	99	86	99		100		86	96				85	86		17
16	98	100	95	83	95	85	100		82	91		100		81	83	82	16
15	94	100	91	79	91	81	99		78	87				77	79		15
14	90	100	87	76	87	77	95		74	82		92		73	75	74	14
13	86	95	82	72	83	73	90		70	77	78	87		69	72	71	13
12	82	91	78	68	79	69	86		66	73			63	65	68	67	12
11	78	87	74	65	75	65	82	65	62	68	70	78		61	64	63	11
10	74	82	70	61	71	60	78		57	64	66	74		57	61	59	10
9	70	78	66	58	67	56	74	56	53	59	62	69	49	53	57	55	9
8	66	73	62	54	63	52	70		49	55	57	65		49	53	51	8
7	62	69	57	51	59	48	65	46	45	50	53	60	40	45	50	47	7
6	58	65	53	47	55	44	61		41	46	49	56		41	46	43	6
5	54	60	49	43	51	40	57	36	37	41	45	51	30	37	42	39	5
4	50	56	45	40	47	36	53		32	37	40	47		33	39	35	4
3	46	52	41		43	32	49	27	28	32	36	42	20	29	35		3
2	42	47	37		39	28	45	22	24	27	32	38	16	25			2
1	38	43	32		35	23	40	17	20	23	28	33	11				1
0		39				19	36	13		18	23				24	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	100		19
18	100	100	100				100				100	100	100	96		18
17	98	100	100		97		100			95		100		92		17
16	94	100	96			93	96	90	95			100	100	88		16
15	90	99	93		87		92	86			88					15
14	86	94	89	71	82	84	87	82	86		83	93	96	80		14
13	81	90	86		77		83	78		78		89	91	76	60	13
12	77	86	82	65	72	76	78	74	77		74	84	87		56	12
11	73	82	78	62	67	72	73	71	72	70	70	80	82	68	52	11
10	69	77	75	59	62	67	69	67	68		65	75	78	64	49	10
9	65	73	71	56	57	63	64	63	63	62	61	71	73	60	45	9
8	60	69	68	53	52	59	60	59	59		56	66	69	56	41	8
7	56	65	64	50	47	55	55	55	54	54	52	62	65	52	38	7
6	52	60	61	46		50	50	52	50	50		57	60	48	34	6
5	48	56	57	43	37	46	46	48	45	45	43	53	56	44	30	5
4	44	52	54	40		42	41	44	41	41		48	51	40	26	4
3	39	47	50	37	27	38	37		36	37		44	47	37	23	3
2	35	43	47	34	22	34	32	36	32	33		39	42	33	19	2
1	31		43	31	16	29	28	33	27	29				29		1
0				28		25	23	29								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	99	100	100	100	100	100	100	100	100				99	97	19
18	96	97	100	100	100	100	100	100	100				95	93	18
17	93	93	100	100	100	100	99	100	100				91	89	17
16	89	90	100	98	100	100	95	100	98				87	85	16
15	86	86	95	93	98	100	91	98	93			85	83	81	15
14	82	82	89	88	94	97	87	93	89	84			79	77	14
13	79	79	84	82	89	92	83	89	84		80	79	75	73	13
12	75	75	78	77	85	88	79	84	79	77			72	69	12
11	72	71	73	72	81	84	75	79	75		74	73	68	65	11
10	68	68	67	66	77	79	71	74	70	69	70	70	64	61	10
9	65	64	62	61	73	75	67	70	66	66	67	67	60	57	9
8	61	61	56	56	69	71	63	65	61	62	63	64	56	53	8
7	58	57	51	50	65	66	59	60	57	58	60	61	52	50	7
6	55	53	45	45	61	62	54	56	52	55	57	58	48	46	6
5	51	50	39	40	57	58	50	51	48	51	53	55	44	42	5
4	48	46	34	34	52	54	46	46	43	47	50	52	41	38	4
3	44	43	28	29	48	49	42	42	39	44	47	49	37	34	3
2	41	39	23	24	44	45	38	37	34	40	43	46	33	30	2
1	37	35	17	18	40	41	34	32	29	36	40	43	29	26	1
0	34	32	12	13	36	36		27							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	92		100	100	100	100	100	100	89						19	
18	88	91	100	100	100	100	99	100	85	86				100	18	
17	84	86	100	100	100	99	95	100			100				17	
16	80	82	100	100	100	95	91	97	77		97				16	
15	75	78	100	100	97	91	87	93	73	76	93	78	70	93	15	
14	71	73	100	99	93	87	84	89	70	73	89		67		14	
13	67	69	100	95	89	83	80	85	66	69	86	71		85	13	
12	63	65	95	91	85	79	76	81	62		82	68	62	80	12	
11	58	60	90	86	80	75	72	77	58	63	78	64		76	11	
10	54	56	85	82	76	72	69	73	54	60	74	61	56	72	10	
9	50	52	80	78	72	68	65	69		56	71	57	53	67	9	
8	46	47	75	73	68	64	61	65	46	53	67	54	50	63	8	
7	41	43	70	69	63	60	57	61	42		63	50	47	59	7	
6	37	39	65	65	59	56	54	57	38	47	59	46	44	54	6	
5	33	34	60	60	55	52	50	53	34	44	55	43	42	50	5	
4	29	30	54	56	51	48	46	49	30		52	39	39	46	4	
3	25	26	49	51	47	44	42	45	27	37	48	36	36	41	3	
2	20	21	44	47	42	41	38	41	23		44	32	33	37	2	
1	16	17	39	43	38	37	35	37		31	40	29	30	33	1	
0		13	34	38				33		27	37	25	27		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		95								19
18	100	100	100	91			100		91								18
17	100	100	100	88	99		100		86	96				81	87		17
16	98	100	97	84	95	86	100		82	91		100		77	83	82	16
15	94	100	93	80	91	82	100		78	87				73	79		15
14	90	100	89	77	87	78	97		74	82		92		69	76	74	14
13	86	98	85	73	83	74	93		70	77	78	88		65	72	70	13
12	82	93	80	70	79	70	89		66	73			64	61	68	66	12
11	78	89	76	66	75	66	85	66	62	68	70	79		57	65	62	11
10	74	85	72	63	71	62	81		57	64	66	74		53	61	58	10
9	70	80	68	59	67	58	76	56	53	59	61	70	49	49	57	54	9
8	66	76	64	56	63	54	72		49	55	57	65		45	54	51	8
7	62	72	59	52	59	49	68	47	45	50	53	61	40	41	50	47	7
6	58	67	55	48	55	45	64		41	46	49	56		37	46	43	6
5	54	63	51	45	51	41	60	37	37	41	45	52	30	33	43	39	5
4	50	59	47	41	47	37	56		32	37	40	47		29	39	35	4
3	46	54	43		43	33	51	27	28	32	36	43	20	25	35		3
2	42	50	39		39	29	47	23	24	27	32	39	16	21			2
1	38	46	34		35	25	43	18	20	23	28	34	11				1
0		41				21	39	13		18	23				24	19	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 7-8 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		100		100		100				100	100	100	100		19
18	100	100	100				100				100	100	100	98		18
17	99	100	100		98		100			97		100		94		17
16	95	100	97			95	100	93	97			100	100	90		16
15	90	100	93		88		95	89			89					15
14	86	96	90	71	83	86	91	85	88		85	95	98	82		14
13	82	91	86		78		86	81		80		91	93	78	60	13
12	78	87	83	65	73	78	81	77	79		76	86	89		56	12
11	74	83	79	62	68	73	77	74	74	72	71	81	84	70	52	11
10	69	79	76	59	63	69	72	70	70		67	77	80	66	49	10
9	65	74	72	56	58	65	68	66	65	64	62	72	75	62	45	9
8	61	70	69	53	53	61	63	62	61		58	68	71	58	41	8
7	57	66	65	50	48	57	58	58	56	56	53	63	67	54	38	7
6	53	61	62	47		52	54	55	52	51		59	62	50	34	6
5	48	57	58	44	38	48	49	51	47	47	44	54	58	46	30	5
4	44	53	54	41		44	45	47	43	43		50	53	42	26	4
3	40	49	51	38	28	40	40		38	39		45	49	38	23	3
2	36	44	47	34	23	35	36	39	34	35		41	44	34	19	2
1	32		44	31	18	31	31	36	29	31				30		1
0				28		27	26	32								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	100	100	100	100	100	100	100	100	100				100	99	19
18	97	98	100	100	100	100	100	100	100				97	95	18
17	94	95	100	100	100	100	100	100	100				93	91	17
16	90	91	100	100	100	100	97	100	100				89	87	16
15	87	87	98	95	100	100	93	100	96			87	85	83	15
14	83	84	92	90	96	98	89	96	91	88			81	79	14
13	80	80	86	85	92	94	85	91	86		84	81	77	75	13
12	77	77	81	79	88	89	81	86	82	81			73	71	12
11	73	73	75	74	84	85	77	82	77		77	76	69	67	11
10	70	69	70	69	80	81	73	77	73	73	74	73	65	63	10
9	66	66	64	63	76	76	69	72	68	70	70	70	62	59	9
8	63	62	59	58	71	72	65	68	64	66	67	67	58	55	8
7	59	58	53	53	67	68	61	63	59	62	64	64	54	51	7
6	56	55	47	47	63	63	56	58	55	59	60	61	50	47	6
5	52	51	42	42	59	59	52	54	50	55	57	58	46	43	5
4	49	48	36	37	55	55	48	49	46	51	53	55	42	39	4
3	46	44	31	32	51	50	44	44	41	48	50	52	38	35	3
2	42	40	25	26	47	46	40	39	36	44	47	49	34	32	2
1	39	37	20	21	43	42	36	35	32	40	43	46	31	28	1
0	35	33	14	16	39	38		30							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 20-34 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory						
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score
19	96		97	93	88	89	89	91	87						19
18	92	97	92	89	84	85	85	87	83	78				86	18
17	88	92	87	85	80	81	82	83			86				17
16	83	88	82	80	75	77	78	79	76		82				16
15	79	84	77	76	71	73	74	75	72	68	78	73	60	73	15
14	75	79	72	72	67	70	70	71	68	65	75		58		14
13	71	75	67	67	63	66	67	67	64	61	71	66		64	13
12	66	71	62	63	58	62	63	63	60		67	62	52	60	12
11	62	66	56	58	54	58	59	59	56	55	63	59		55	11
10	58	62	51	54	50	54	55	55	52	52	59	55	46	51	10
9	54	58	46	50	46	50	52	51		49	56	51	43	46	9
8	49	53	41	45	41	46	48	47	44	45	52	48	41	42	8
7	45	49	36	41	37	42	44	43	40		48	44	38	38	7
6	41	45	31	37	33	39	40	39	37	39	44	41	35	33	6
5	37	40	26	32	29	35	37	35	33	36	41	37	32	29	5
4	33	36	20	28	25	31	33	31	29		37	34	29	25	4
3	28	32	15	23	20	27	29	27	25	29	33	30	26	20	3
2	24	27	10	19	16	23	25	23	21		29	26	23	16	2
1	20	23	5	15	12	19	22	19		23	25	23	21	12	1
0		19	0	10				15		19	22	19	18		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills									Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL		
19	89		87		92		89		97								19	
18	85	96	83	76			85		93								18	
17	81	91	78	72	84		80		88	90				92	79		17	
16	77	87	74	69	80	70	76		84	85		92		88	75	78	16	
15	73	83	70	65	76	66	72		80	80				84	72		15	
14	69	78	66	61	72	62	68		76	76		83		80	68	70	14	
13	65	74	62	58	68	58	64		72	71	75	79		76	64	66	13	
12	61	69	58	54	64	54	60		68	67			60	72	61	62	12	
11	57	65	53	51	60	50	55	59	63	62	67	70		68	57	58	11	
10	53	61	49	47	56	46	51		59	58	63	65		64	53	54	10	
9	49	56	45	44	52	41	47	49	55	53	59	61	46	60	50	50	9	
8	45	52	41	40	48	37	43		51	49	54	56		56	46	46	8	
7	41	48	37	36	44	33	39	40	47	44	50	52	36	52	42	42	7	
6	37	43	33	33	40	29	35		43	40	46	47		48	39	38	6	
5	33	39	28	29	36	25	30	30	38	35	42	43	27	44	35	34	5	
4	29	35	24	26	32	21	26		34	30	37	38		40	31	30	4	
3	26	30	20		28	17	22	21	30	26	33	34	17	36	28		3	
2	22	26	16		24	13	18	16	26	21	29	29	12	32			2	
1	18	22	12		20	9	14	11	22	17	25	25	7				1	
0		17				5	9	6		12	21				17	14	0	

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	97		90		93		87				91	98	97	87		19
18	93	97	86				82				87	94	93	83		18
17	89	92	82		83		78			77		89		79		17
16	85	88	79			72	73	68	75			84	84	75		16
15	81	84	75		73		69	65			73					15
14	76	79	72	67	68	63	64	61	66		69	75	75	67		14
13	72	75	68		63		60	57		61		71	70	63	61	13
12	68	71	65	61	58	55	55	53	57		60	66	66		57	12
11	64	67	61	58	53	51	50	49	53	52	55	62	62	55	53	11
10	60	62	58	55	48	46	46	45	48		51	57	57	51	50	10
9	56	58	54	51	43	42	41	42	44	44	46	53	53	47	46	9
8	51	54	51	48	38	38	37	38	39		42	48	48	43	42	8
7	47	50	47	45	33	34	32	34	35	36	37	44	44	39	39	7
6	43	45	44	42		30	27	30	30	32		39	39	35	35	6
5	39	41	40	39	23	25	23	26	26	28	28	35	35	31	31	5
4	35	37	36	36		21	18	23	21	24		30	31	27	28	4
3	30	32	33	33	13	17	14		17	19		26	26	23	24	3
2	26	28	29	30	8	13	9	15	12	15		21	22	19	20	2
1	22		26	27	3	8	5	11	8	11				15		1
0			24			4	0	7								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	86	86	100	100	88	93	87	91	88				80	80	19	
18	82	83	100	99	84	89	83	87	83				76	76	18	
17	79	79	96	94	80	84	79	82	79				73	73	17	
16	76	75	90	88	76	80	75	77	74				69	69	16	
15	72	72	85	83	72	76	71	73	69			62	65	65	15	
14	69	68	79	78	68	71	67	68	65	59			61	61	14	
13	65	64	74	72	64	67	63	63	60		58	56	57	57	13	
12	62	61	68	67	59	63	59	59	56	52			53	53	12	
11	58	57	63	62	55	58	54	54	51		51	50	49	49	11	
10	55	54	57	56	51	54	50	49	47	45	48	47	45	45	10	
9	51	50	52	51	47	50	46	45	42	41	44	44	42	41	9	
8	48	46	46	46	43	45	42	40	38	38	41	41	38	37	8	
7	44	43	40	40	39	41	38	35	33	34	37	38	34	33	7	
6	41	39	35	35	35	37	34	30	29	30	34	35	30	29	6	
5	38	35	29	30	31	32	30	26	24	27	31	32	26	25	5	
4	34	32	24	24	27	28	26	21	19	23	27	29	22	21	4	
3	31	28	18	19	22	24	22	16	15	19	24	26	18	17	3	
2	27	25	13	14	18	19	18	12	10	16	20	23	14	13	2	
1	24	21	7	9	14	15	14	7	6	12	17	20	10	9	1	
0	20	17	1	3	10	11		2							0	

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	94		100	98	92	91	90	91	87						19
18	90	94	98	94	88	88	86	87	84	79				89	18
17	86	90	93	89	84	84	82	84			88				17
16	82	86	88	85	79	80	78	80	76		84				16
15	77	81	82	81	75	76	75	76	72	69	80	74	62	76	15
14	73	77	77	76	71	72	71	72	68	66	77		59		14
13	69	73	72	72	67	68	67	68	64	62	73	66		67	13
12	65	68	67	67	63	64	63	64	60		69	63	54	63	12
11	61	64	62	63	58	60	60	60	56	56	65	59		59	11
10	56	60	57	59	54	57	56	56	52	53	62	56	48	54	10
9	52	55	52	54	50	53	52	52		50	58	52	45	50	9
8	48	51	47	50	46	49	48	48	44	46	54	49	42	45	8
7	44	47	41	46	41	45	45	44	41		50	45	39	41	7
6	39	43	36	41	37	41	41	40	37	40	46	41	36	37	6
5	35	38	31	37	33	37	37	36	33	37	43	38	34	32	5
4	31	34	26	32	29	33	33	32	29		39	34	31	28	4
3	27	30	21	28	24	29	30	28	25	30	35	31	28	24	3
2	22	25	16	24	20	25	26	24	21		31	27	25	19	2
1	18	21	11	19	16	22	22	20		24	28	24	22	15	1
0		17	5	15				16		20	24	20	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		91		94		94		95								19
18	89	95	86	78			90		91								18
17	85	90	82	75	86		85		87	90				93	80		17
16	81	86	78	71	82	73	81		83	85		91		89	76	78	16
15	77	82	74	68	78	69	77		79	80				85	72		15
14	73	77	70	64	74	64	73		75	76		83		81	69	70	14
13	69	73	65	60	70	60	69		70	71	75	78		77	65	66	13
12	65	69	61	57	66	56	65		66	67			60	73	61	62	12
11	61	64	57	53	62	52	60	60	62	62	67	69		69	58	58	11
10	57	60	53	50	58	48	56		58	58	63	65		65	54	54	10
9	53	56	49	46	54	44	52	50	54	53	59	60	46	61	50	50	9
8	49	51	45	43	50	40	48		50	49	54	56		57	47	46	8
7	45	47	40	39	46	36	44	41	45	44	50	51	36	53	43	42	7
6	41	43	36	35	42	32	39		41	40	46	47		49	39	38	6
5	37	38	32	32	38	27	35	31	37	35	42	42	27	45	36	34	5
4	33	34	28	28	34	23	31		33	30	37	38		41	32	30	4
3	29	30	24		30	19	27	22	29	26	33	33	17	37	28		3
2	25	25	20		26	15	23	17	25	21	29	29	12	33			2
1	21	21	15		22	11	19	12	21	17	25	25	8				1
0		17				7	14	7		12	20				17	14	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	99		91		96		90				94	100	100	89		19
18	94	99	87				85				89	97	96	85		18
17	90	95	84		86		80			81		92		81		17
16	86	90	80			75	76	71	78			88	87	77		16
15	82	86	77		76		71	67			76					15
14	78	82	73	68	71	67	67	63	69		71	78	78	69		14
13	73	77	70		65		62	59		64		74	74	65	61	13
12	69	73	66	61	60	58	57	55	60		62	69	70		57	12
11	65	69	63	58	55	54	53	52	56	56	58	65	65	58	53	11
10	61	65	59	55	50	50	48	48	51		53	60	61	54	50	10
9	57	60	56	52	45	46	44	44	47	48	49	56	56	50	46	9
8	53	56	52	49	40	41	39	40	42		44	51	52	46	42	8
7	48	52	49	46	35	37	35	36	38	39	40	47	48	42	39	7
6	44	47	45	43		33	30	33	33	35		42	43	38	35	6
5	40	43	41	40	25	29	25	29	29	31	31	38	39	34	31	5
4	36	39	38	37		25	21	25	24	27		33	34	30	28	4
3	32	35	34	34	15	20	16		20	23		29	30	26	24	3
2	27	30	31	31	10	16	12	17	15	19		24	25	22	20	2
1	23		27	27	5	12	7	14	11	15				18		1
0				24		8	2	10								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	88	89	100	100	93	97	91	96	92				83	84	19
18	85	85	100	100	89	92	86	92	88				79	80	18
17	81	81	97	94	85	88	82	87	83				76	76	17
16	78	78	91	89	81	84	78	82	79				72	72	16
15	74	74	86	84	76	79	74	77	74			64	68	68	15
14	71	71	80	78	72	75	70	73	69	62			64	64	14
13	68	67	75	73	68	71	66	68	65		58	58	60	60	13
12	64	63	69	68	64	67	62	63	60	55			56	56	12
11	61	60	63	62	60	62	58	59	56		52	52	52	52	11
10	57	56	58	57	56	58	54	54	51	48	48	49	48	48	10
9	54	53	52	52	52	54	50	49	47	44	45	46	44	44	9
8	50	49	47	46	48	49	46	45	42	40	41	43	41	40	8
7	47	45	41	41	44	45	42	40	38	37	38	40	37	36	7
6	43	42	36	36	39	41	38	35	33	33	35	37	33	32	6
5	40	38	30	30	35	36	34	30	29	29	31	34	29	28	5
4	37	34	24	25	31	32	30	26	24	26	28	31	25	24	4
3	33	31	19	20	27	28	26	21	19	22	24	28	21	20	3
2	30	27	13	15	23	23	22	16	15	18	21	25	17	16	2
1	26	24	8	9	19	19	18	12	10	15	18	22	13	12	1
0	23	20	2	4	15	15		7							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	94		100	100	94	93	90	92	87						19
18	90	93	100	96	90	89	86	88	84	79				91	18
17	86	89	95	92	86	85	83	84			89				17
16	82	85	90	87	82	81	79	80	76		85				16
15	77	80	85	83	77	77	75	76	72	69	82	74	62	78	15
14	73	76	80	79	73	73	71	72	68	66	78		59		14
13	69	72	75	74	69	69	68	68	64	63	74	67		69	13
12	65	67	70	70	65	65	64	64	60		70	63	53	65	12
11	61	63	65	65	60	62	60	60	56	56	66	60		60	11
10	56	59	60	61	56	58	56	56	52	53	63	56	48	56	10
9	52	54	54	57	52	54	53	52		50	59	53	45	52	9
8	48	50	49	52	48	50	49	49	44	47	55	49	42	47	8
7	44	46	44	48	43	46	45	45	41		51	45	39	43	7
6	39	41	39	44	39	42	41	41	37	40	48	42	36	38	6
5	35	37	34	39	35	38	38	37	33	37	44	38	33	34	5
4	31	33	29	35	31	34	34	33	29		40	35	31	30	4
3	27	28	24	30	27	31	30	29	25	31	36	31	28	25	3
2	22	24	18	26	22	27	26	25	21		32	28	25	21	2
1	18	20	13	22	18	23	23	21		24	29	24	22	17	1
0		16	8	17				17		21	25	20	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		92		94		96		95								19
18	89	97	88	80			92		91								18
17	85	93	84	76	86		88		87	90				92	80		17
16	81	88	80	72	82	74	84		83	85		92		88	76	78	16
15	77	84	76	69	78	70	80		79	80				84	73		15
14	73	80	72	65	74	66	75		75	76		83		80	69	70	14
13	69	75	67	62	70	62	71		70	71	75	79		76	65	66	13
12	65	71	63	58	66	57	67		66	67			60	72	62	62	12
11	61	67	59	55	62	53	63	60	62	62	67	70		68	58	58	11
10	57	62	55	51	58	49	59		58	58	63	65		64	54	54	10
9	53	58	51	47	54	45	55	51	54	53	58	61	46	60	51	50	9
8	49	54	46	44	50	41	50		50	49	54	56		56	47	46	8
7	45	49	42	40	46	37	46	41	45	44	50	52	36	52	43	42	7
6	41	45	38	37	42	33	42		41	40	46	47		48	40	38	6
5	37	41	34	33	38	29	38	32	37	35	42	43	27	44	36	34	5
4	33	36	30	30	34	25	34		33	30	37	38		40	32	30	4
3	29	32	26		30	20	29	22	29	26	33	34	17	36	29		3
2	25	28	21		26	16	25	17	25	21	29	29	12	32			2
1	21	23	17		22	12	21	13	21	17	25	25	8				1
0		19				8	17	8		12	20				18	14	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	99		92		96		91				95	100	100	91		19
18	95	100	88				87				91	98	98	87		18
17	91	96	85		86		82			82		94		83		17
16	87	91	81			77	77	72	80			89	89	79		16
15	82	87	78		76		73	68			77					15
14	78	83	74	68	71	69	68	64	71		73	80	80	71		14
13	74	79	70		66		64	61		66		75	76	67	63	13
12	70	74	67	62	61	60	59	57	62		64	71	71		59	12
11	66	70	63	59	56	56	54	53	58	58	59	66	67	59	55	11
10	61	66	60	56	51	52	50	49	53		55	62	63	55	52	10
9	57	61	56	52	46	47	45	45	49	49	50	57	58	51	48	9
8	53	57	53	49	41	43	41	42	44		46	53	54	47	44	8
7	49	53	49	46	35	39	36	38	40	41	41	48	49	43	41	7
6	45	49	46	43		35	32	34	35	37		44	45	39	37	6
5	41	44	42	40	25	31	27	30	31	33	32	39	40	35	33	5
4	36	40	39	37		26	22	26	26	29		35	36	31	30	4
3	32	36	35	34	15	22	18		22	25		30	32	27	26	3
2	28	31	32	31	10	18	13	19	17	20		26	27	23	22	2
1	24		28	28	5	14	9	15	12	16				19		1
0				25		9	4	11								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	89	90	100	100	95	99	92	99	94				85	85	19
18	86	86	100	100	91	95	88	94	90				81	81	18
17	83	83	97	95	87	90	84	89	85				77	77	17
16	79	79	92	89	83	86	80	85	81				73	73	16
15	76	76	86	84	79	82	76	80	76			65	69	69	15
14	72	72	81	79	75	78	72	75	72	64			65	65	14
13	69	68	75	74	71	73	68	70	67		61	59	62	61	13
12	65	65	70	68	66	69	64	66	63	57			58	57	12
11	62	61	64	63	62	65	60	61	58		54	53	54	54	11
10	58	57	58	58	58	60	56	56	53	49	51	50	50	50	10
9	55	54	53	52	54	56	52	52	49	46	47	47	46	46	9
8	52	50	47	47	50	52	48	47	44	42	44	44	42	42	8
7	48	47	42	42	46	47	44	42	40	38	40	41	38	38	7
6	45	43	36	36	42	43	40	38	35	35	37	38	34	34	6
5	41	39	31	31	38	39	36	33	31	31	34	35	30	30	5
4	38	36	25	26	34	34	32	28	26	28	30	32	27	26	4
3	34	32	19	20	30	30	28	23	22	24	27	29	23	22	3
2	31	28	14	15	25	26	23	19	17	20	24	26	19	18	2
1	27	25	8	10	21	21	19	14	13	17	20	23	15	14	1
0	24	21	3	4	17	17		9							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	93		100	100	96	94	91	93	87						19	
18	89	92	100	98	92	90	87	89	84	80				92	18	
17	84	88	98	94	88	86	83	85			90				17	
16	80	84	93	90	84	82	79	81	76		86				16	
15	76	79	88	85	79	78	76	77	72	70	83	74	63	79	15	
14	72	75	83	81	75	74	72	73	68	67	79		60		14	
13	67	71	78	77	71	71	68	69	64	63	75	67		71	13	
12	63	66	73	72	67	67	64	65	60		71	64	54	66	12	
11	59	62	67	68	62	63	61	61	56	57	68	60		62	11	
10	55	58	62	63	58	59	57	57	52	54	64	57	48	58	10	
9	50	53	57	59	54	55	53	53		50	60	53	46	53	9	
8	46	49	52	55	50	51	49	49	44	47	56	49	43	49	8	
7	42	45	47	50	46	47	46	45	41		52	46	40	44	7	
6	38	40	42	46	41	43	42	41	37	41	49	42	37	40	6	
5	34	36	37	42	37	40	38	37	33	38	45	39	34	36	5	
4	29	32	31	37	33	36	34	34	29		41	35	31	31	4	
3	25	27	26	33	29	32	31	30	25	31	37	32	29	27	3	
2	21	23	21	28	24	28	27	26	21		34	28	26	23	2	
1	17	19	16	24	20	24	23	22		25	30	24	23	18	1	
0		14	11	20				18		21	26	21	20		0	

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		94		96		99		94								19
18	92	99	90	81			95		90								18
17	88	95	86	77	88		90		86	90				92	80		17
16	84	91	82	74	84	75	86		82	85		93		88	77	78	16
15	80	86	78	70	80	71	82		77	80				84	73		15
14	76	82	73	67	76	67	78		73	76		84		80	69	70	14
13	72	78	69	63	72	63	74		69	71	75	79		76	66	66	13
12	68	73	65	59	68	59	70		65	67			60	72	62	62	12
11	64	69	61	56	64	55	65	61	61	62	67	70		68	58	58	11
10	60	65	57	52	60	50	61		57	58	63	66		64	55	54	10
9	56	60	52	49	56	46	57	51	52	53	58	61	46	60	51	50	9
8	52	56	48	45	52	42	53		48	49	54	57		56	47	46	8
7	48	52	44	42	48	38	49	42	44	44	50	52	36	52	44	42	7
6	44	47	40	38	44	34	44		40	40	46	48		48	40	38	6
5	40	43	36	34	40	30	40	32	36	35	42	43	27	44	36	34	5
4	36	39	32	31	36	26	36		32	30	37	39		40	33	30	4
3	32	34	27		32	22	32	23	28	26	33	34	17	36	29		3
2	28	30	23		28	18	28	18	23	21	29	30	12	32			2
1	24	25	19		24	13	24	13	19	17	25	26	8				1
0		21				9	19	8		12	20				18	14	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		92		97		93				97	100	100	92		19
18	96	100	89				88				92	100	100	88		18
17	91	97	85		87		84			84		95		84		17
16	87	92	82			79	79	74	82			91	91	80		16
15	83	88	78		77		75	70			79					15
14	79	84	75	68	72	70	70	66	73		74	81	82	72		14
13	75	80	71		67		65	62		67		77	78	68	63	13
12	70	75	68	62	62	62	61	58	64		65	72	73		59	12
11	66	71	64	59	57	58	56	55	59	59	61	68	69	60	55	11
10	62	67	61	56	52	53	52	51	55		56	63	64	56	52	10
9	58	62	57	53	47	49	47	47	50	51	52	59	60	52	48	9
8	54	58	53	50	42	45	42	43	46		47	54	56	48	44	8
7	50	54	50	47	37	41	38	39	41	43	43	50	51	44	41	7
6	45	50	46	43		37	33	36	37	39		45	47	40	37	6
5	41	45	43	40	27	32	29	32	32	34	34	41	42	36	33	5
4	37	41	39	37		28	24	28	28	30		36	38	32	29	4
3	33	37	36	34	17	24	20		23	26		32	33	28	26	3
2	29	33	32	31	11	20	15	20	19	22		27	29	24	22	2
1	24		29	28	6	15	10	17	14	18				20		1
0				25		11	6	13								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	91	91	100	100	98	100	94	100	97				86	87	19	
18	87	88	100	100	93	97	90	96	92				82	83	18	
17	84	84	98	95	89	93	86	92	88				79	79	17	
16	80	80	93	90	85	89	82	87	83				75	75	16	
15	77	77	87	85	81	84	78	82	78			67	71	71	15	
14	73	73	81	80	77	80	74	78	74	66			67	67	14	
13	70	70	76	74	73	76	70	73	69		63	61	63	63	13	
12	67	66	70	69	69	71	66	68	65	59			59	59	12	
11	63	62	65	64	65	67	62	63	60		56	55	55	55	11	
10	60	59	59	58	61	63	58	59	56	51	53	52	51	51	10	
9	56	55	54	53	56	58	54	54	51	48	49	49	47	47	9	
8	53	51	48	48	52	54	50	49	47	44	46	46	44	43	8	
7	49	48	42	42	48	50	46	45	42	40	42	43	40	39	7	
6	46	44	37	37	44	46	42	40	38	37	39	40	36	35	6	
5	42	41	31	32	40	41	37	35	33	33	36	37	32	31	5	
4	39	37	26	26	36	37	33	31	28	29	32	34	28	27	4	
3	35	33	20	21	32	33	29	26	24	26	29	31	24	23	3	
2	32	30	15	16	28	28	25	21	19	22	25	28	20	20	2	
1	29	26	9	10	24	24	21	16	15	19	22	25	16	16	1	
0	25	23	3	5	20	20		12							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	93		100	100	98	95	91	94	87						19	
18	89	91	100	100	94	91	88	90	84	80				94	18	
17	84	87	100	96	90	87	84	86			91				17	
16	80	82	96	92	86	83	80	82	76		87				16	
15	76	78	91	88	82	80	76	78	72	70	84	75	63	81	15	
14	72	74	86	83	77	76	73	74	68	67	80		61		14	
13	67	69	80	79	73	72	69	70	64	64	76	68		72	13	
12	63	65	75	74	69	68	65	66	60		72	64	55	68	12	
11	59	61	70	70	65	64	61	62	56	57	69	60		64	11	
10	55	57	65	66	60	60	58	58	52	54	65	57	49	59	10	
9	50	52	60	61	56	56	54	54		51	61	53	46	55	9	
8	46	48	55	57	52	52	50	50	44	48	57	50	44	51	8	
7	42	44	50	53	48	49	46	46	41		53	46	41	46	7	
6	38	39	45	48	43	45	43	42	37	41	50	43	38	42	6	
5	34	35	39	44	39	41	39	39	33	38	46	39	35	37	5	
4	29	31	34	39	35	37	35	35	29		42	36	32	33	4	
3	25	26	29	35	31	33	31	31	25	32	38	32	29	29	3	
2	21	22	24	31	26	29	28	27	21		35	28	26	24	2	
1	17	18	19	26	22	25	24	23		25	31	25	24	20	1	
0		13	14	22				19		22	27	21	21		0	

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		96		96		100		94								19
18	92	100	92	82			97		90								18
17	88	97	88	79	88		93		86	90				91	81		17
16	84	93	84	75	84	76	89		82	85		93		87	77	77	16
15	80	89	79	71	80	72	85		77	80				83	73		15
14	76	84	75	68	76	68	80		73	76		84		79	70	69	14
13	72	80	71	64	72	64	76		69	71	75	80		75	66	66	13
12	68	76	67	61	68	60	72		65	67			60	71	62	62	12
11	64	71	63	57	64	56	68	61	61	62	67	71		67	59	58	11
10	60	67	59	54	60	52	64		57	58	63	66		63	55	54	10
9	56	63	54	50	56	48	59	52	52	53	58	62	46	59	51	50	9
8	52	58	50	46	52	43	55		48	49	54	57		55	48	46	8
7	48	54	46	43	48	39	51	42	44	44	50	53	36	51	44	42	7
6	44	50	42	39	44	35	47		40	40	46	48		47	40	38	6
5	40	45	38	36	40	31	43	33	36	35	42	44	27	43	37	34	5
4	36	41	33	32	36	27	39		32	30	37	40		39	33	30	4
3	32	36	29		32	23	34	23	28	26	33	35	17	35	29		3
2	28	32	25		28	19	30	18	23	21	29	31	13	31			2
1	24	28	21		24	15	26	14	19	17	25	26	8				1
0		23				11	22	9		12	20				18	14	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		93		98		95				98	100	100	93		19
18	96	100	90				90				93	100	100	89		18
17	92	98	86		88		86			86		97		85		17
16	88	94	83			81	81	75	83			92	93	81		16
15	84	89	79		78		76	72			80					15
14	79	85	75	68	73	72	72	68	74		76	83	84	73		14
13	75	81	72		68		67	64		69		78	80	69	63	13
12	71	76	68	62	63	64	63	60	65		67	74	75		59	12
11	67	72	65	59	58	59	58	56	61	61	62	69	71	61	55	11
10	63	68	61	56	53	55	54	53	56		58	65	66	57	52	10
9	58	64	58	53	48	51	49	49	52	53	53	60	62	53	48	9
8	54	59	54	50	43	47	44	45	47		49	56	57	49	44	8
7	50	55	51	47	38	43	40	41	43	44	44	51	53	45	41	7
6	46	51	47	44		38	35	37	38	40		47	49	41	37	6
5	42	46	44	41	28	34	31	34	34	36	35	42	44	37	33	5
4	38	42	40	38		30	26	30	29	32		38	40	33	29	4
3	33	38	37	35	18	26	21		25	28		33	35	29	26	3
2	29	34	33	31	13	21	17	22	20	24		29	31	25	22	2
1	25		29	28	8	17	12	18	16	20				21		1
0			25			13	8	15								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	92	93	100	100	100	100	96	100	99				88	88	19	
18	88	89	100	100	96	100	92	99	94				84	84	18	
17	85	85	99	96	92	96	88	94	90				80	80	17	
16	81	82	93	91	88	91	84	89	85				76	76	16	
15	78	78	88	86	83	87	80	85	81			70	72	72	15	
14	75	74	82	80	79	83	76	80	76	68			68	68	14	
13	71	71	77	75	75	78	72	75	72		65	64	64	65	13	
12	68	67	71	70	71	74	68	71	67	61			61	61	12	
11	64	64	66	64	67	70	64	66	63		58	58	57	57	11	
10	61	60	60	59	63	65	60	61	58	54	55	55	53	53	10	
9	57	56	54	54	59	61	55	56	53	50	51	52	49	49	9	
8	54	53	49	48	55	57	51	52	49	46	48	49	45	45	8	
7	50	49	43	43	51	52	47	47	44	43	45	46	41	41	7	
6	47	46	38	38	47	48	43	42	40	39	41	43	37	37	6	
5	44	42	32	33	42	44	39	38	35	35	38	40	33	33	5	
4	40	38	27	27	38	40	35	33	31	32	34	37	30	29	4	
3	37	35	21	22	34	35	31	28	26	28	31	34	26	25	3	
2	33	31	15	17	30	31	27	24	22	24	28	31	22	21	2	
1	30	27	10	11	26	27	23	19	17	21	24	28	18	17	1	
0	26	24	4	6	22	22		14							0	

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 55-59 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	91		100	100	100	96	92	95	85						19
18	87	90	100	100	96	92	88	91	81	81				96	18
17	83	86	100	99	92	89	85	87			92				17
16	78	81	99	94	88	85	81	83	74		89				16
15	74	77	93	90	84	81	77	79	70	71	85	75	64	83	15
14	70	73	88	86	79	77	73	75	66	68	81		61		14
13	66	68	83	81	75	73	70	71	62	64	77	68		74	13
12	61	64	78	77	71	69	66	68	58		73	64	56	70	12
11	57	60	73	72	67	65	62	64	54	58	70	61		65	11
10	53	55	68	68	62	61	58	60	50	55	66	57	50	61	10
9	49	51	63	64	58	57	55	56		51	62	54	47	57	9
8	45	47	58	59	54	54	51	52	42	48	58	50	44	52	8
7	40	42	52	55	50	50	47	48	38		55	47	42	48	7
6	36	38	47	51	46	46	43	44	34	42	51	43	39	43	6
5	32	34	42	46	41	42	40	40	31	39	47	39	36	39	5
4	28	30	37	42	37	38	36	36	27		43	36	33	35	4
3	23	25	32	37	33	34	32	32	23	32	39	32	30	30	3
2	19	21	27	33	29	30	28	28	19		36	29	27	26	2
1	15	17	22	29	24	26	25	24		26	32	25	24	22	1
0		12	16	24				20		22	28	22	22		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		98		98		100		93								19
18	92	100	94	83			100		89								18
17	88	100	90	80	90		95		84	90				90	81		17
16	85	95	85	76	86	77	91		80	85		94		86	77	77	16
15	81	91	81	73	82	73	87		76	80				82	74		15
14	77	87	77	69	78	69	83		72	76		85		78	70	69	14
13	73	82	73	66	74	65	79		68	71	75	80		74	66	65	13
12	69	78	69	62	70	61	74		64	67			60	70	63	61	12
11	65	74	65	58	66	57	70	62	59	62	67	71		66	59	57	11
10	61	69	60	55	62	53	66		55	58	63	67		62	55	53	10
9	57	65	56	51	58	49	62	52	51	53	58	63	46	58	52	50	9
8	53	60	52	48	54	45	58		47	49	54	58		54	48	46	8
7	49	56	48	44	50	41	54	43	43	44	50	54	37	50	44	42	7
6	45	52	44	41	46	36	49		39	40	46	49		46	41	38	6
5	41	47	39	37	42	32	45	33	34	35	42	45	27	42	37	34	5
4	37	43	35	33	38	28	41		30	30	37	40		38	33	30	4
3	33	39	31		34	24	37	24	26	26	33	36	17	34	30		3
2	29	34	27		30	20	33	19	22	21	29	31	13	30			2
1	25	30	23		26	16	29	14	18	17	25	27	8				1
0		26				12	24	9		12	20				19	14	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		94		100		97				99	100	100	94		19
18	97	100	90				92				95	100	100	90		18
17	93	99	87		90		88			87		98		86		17
16	88	95	83			82	83	77	85			94	95	82		16
15	84	90	80		79		79	74			81					15
14	80	86	76	69	74	74	74	70	76		77	84	86	74		14
13	76	82	73		69		69	66		71		80	81	70	63	13
12	72	78	69	63	64	65	65	62	67		68	75	77		59	12
11	67	73	66	60	59	61	60	58	63	63	63	71	73	62	55	11
10	63	69	62	56	54	57	56	54	58		59	66	68	58	52	10
9	59	65	58	53	49	53	51	51	54	54	54	62	64	54	48	9
8	55	60	55	50	44	49	46	47	49		50	57	59	50	44	8
7	51	56	51	47	39	44	42	43	45	46	46	53	55	46	41	7
6	46	52	48	44		40	37	39	40	42		48	50	42	37	6
5	42	48	44	41	29	36	33	35	35	38	37	44	46	38	33	5
4	38	43	41	38		32	28	32	31	34		39	42	34	29	4
3	34	39	37	35	19	27	24		26	30		35	37	30	26	3
2	30	35	34	32	14	23	19	24	22	26		30	33	26	22	2
1	26		30	29	9	19	14	20	17	21				22		1
0				26		15	10	16								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	93	94	100	100	100	100	98	100	100				89	90	19	
18	90	90	100	100	98	100	94	100	97				85	86	18	
17	86	87	100	97	94	98	90	96	92				82	82	17	
16	83	83	94	92	90	94	86	92	87				78	78	16	
15	79	79	89	87	86	90	82	87	83			72	74	74	15	
14	76	76	83	81	82	85	78	82	78	71			70	70	14	
13	72	72	78	76	78	81	74	78	74		67	66	66	66	13	
12	69	69	72	71	73	77	69	73	69	63			62	62	12	
11	65	65	67	65	69	72	65	68	65		61	60	58	58	11	
10	62	61	61	60	65	68	61	64	60	56	57	58	54	54	10	
9	59	58	55	55	61	64	57	59	56	52	54	55	50	50	9	
8	55	54	50	49	57	59	53	54	51	49	51	52	47	46	8	
7	52	50	44	44	53	55	49	49	47	45	47	49	43	42	7	
6	48	47	39	39	49	51	45	45	42	41	44	46	39	38	6	
5	45	43	33	34	45	47	41	40	37	38	40	43	35	34	5	
4	41	40	28	28	41	42	37	35	33	34	37	40	31	31	4	
3	38	36	22	23	37	38	33	31	28	30	34	37	27	27	3	
2	34	32	17	18	32	34	29	26	24	27	30	34	23	23	2	
1	31	29	11	12	28	29	25	21	19	23	27	31	19	19	1	
0	28	25	5	7	24	25		17							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 60-64 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	91		100	100	100	97	93	97	85						19	
18	87	89	100	100	98	94	89	93	81	81				97	18	
17	83	85	100	100	94	90	86	89			93				17	
16	78	80	100	97	90	86	82	85	74		90				16	
15	74	76	96	92	86	82	78	81	70	71	86	76	65	84	15	
14	70	72	91	88	81	78	74	77	66	68	82		62		14	
13	66	67	86	84	77	74	71	73	62	65	78	68		76	13	
12	61	63	81	79	73	70	67	69	58		74	65	57	71	12	
11	57	59	76	75	69	66	63	65	54	58	71	61		67	11	
10	53	54	71	70	65	63	59	61	50	55	67	58	51	63	10	
9	49	50	65	66	60	59	56	57		52	63	54	48	58	9	
8	45	46	60	62	56	55	52	53	42	49	59	51	45	54	8	
7	40	41	55	57	52	51	48	49	38		56	47	42	50	7	
6	36	37	50	53	48	47	44	45	34	42	52	43	39	45	6	
5	32	33	45	49	43	43	41	41	31	39	48	40	37	41	5	
4	28	28	40	44	39	39	37	37	27		44	36	34	36	4	
3	23	24	35	40	35	35	33	33	23	33	41	33	31	32	3	
2	19	20	29	35	31	32	29	29	19		37	29	28	28	2	
1	15	15	24	31	26	28	26	25		26	33	26	25	23	1	
0		11	19	27				22		23	29	22	22		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		100		98		100		93								19
18	92	100	96	85			100		89								18
17	88	100	91	81	90		98		84	90				88	81		17
16	85	98	87	78	86	79	94		80	85		94		84	78	77	16
15	81	93	83	74	82	75	89		76	80				80	74		15
14	77	89	79	70	78	70	85		72	76		85		76	70	69	14
13	73	85	75	67	74	66	81		68	71	75	81		72	67	65	13
12	69	80	71	63	70	62	77		64	67			61	68	63	61	12
11	65	76	66	60	66	58	73	62	59	62	67	72		64	59	57	11
10	61	71	62	56	62	54	69		55	58	63	68		60	56	53	10
9	57	67	58	53	58	50	64	53	51	53	58	63	46	56	52	49	9
8	53	63	54	49	54	46	60		47	49	54	59		52	48	45	8
7	49	58	50	45	50	42	56	43	43	44	50	54	37	48	45	41	7
6	45	54	46	42	46	38	52		39	40	46	50		44	41	37	6
5	41	50	41	38	42	34	48	34	34	35	41	45	27	40	37	33	5
4	37	45	37	35	38	29	44		30	30	37	41		36	34	30	4
3	33	41	33		34	25	39	24	26	26	33	36	17	32	30		3
2	29	37	29		30	21	35	19	22	21	29	32	13	28			2
1	25	32	25		26	17	31	14	18	17	25	27	8				1
0		28				13	27	10		12	20				19	14	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		95		100		99				100	100	100	95		19
18	97	100	91				95				96	100	100	91		18
17	93	100	87		92		90			89		100		87		17
16	89	96	84			84	85	79	87			95	96	83		16
15	85	91	80		82		81	76			83					15
14	81	87	77	69	77	76	76	72	78		78	86	88	75		14
13	76	83	73		72		72	68		73		81	83	71	60	13
12	72	79	70	63	67	67	67	64	69		69	77	79		56	12
11	68	74	66	60	62	63	63	60	64	64	65	72	74	63	52	11
10	64	70	63	57	56	59	58	57	60		60	68	70	59	49	10
9	60	66	59	54	51	55	53	53	55	56	56	63	66	56	45	9
8	55	61	56	51	46	50	49	49	51		51	59	61	52	41	8
7	51	57	52	47	41	46	44	45	46	48	47	54	57	48	38	7
6	47	53	49	44		42	40	41	42	44		50	52	44	34	6
5	43	49	45	41	31	38	35	38	37	40	38	45	48	40	30	5
4	39	44	42	38		33	30	34	33	35		41	43	36	26	4
3	35	40	38	35	21	29	26		28	31		36	39	32	23	3
2	30	36	34	32	16	25	21	26	24	27		32	35	28	19	2
1	26		31	29	11	21	17	22	19	23				24		1
0			26			17	12	19								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	94	95	100	100	100	100	100	100	100				91	91	19
18	91	92	100	100	100	100	96	100	99				87	87	18
17	87	88	100	99	96	100	92	99	94				83	83	17
16	84	84	96	93	92	97	88	94	90				79	80	16
15	80	81	90	88	88	92	83	89	85			75	75	76	15
14	77	77	85	83	84	88	79	85	81	73			71	72	14
13	74	73	79	77	80	84	75	80	76		70	69	67	68	13
12	70	70	73	72	76	79	71	75	72	66			64	64	12
11	67	66	68	67	72	75	67	71	67		63	63	60	60	11
10	63	63	62	61	68	71	63	66	62	59	60	60	56	56	10
9	60	59	57	56	64	66	59	61	58	55	57	57	52	52	9
8	56	55	51	51	59	62	55	57	53	51	53	54	48	48	8
7	53	52	46	45	55	58	51	52	49	48	50	51	44	44	7
6	49	48	40	40	51	53	47	47	44	44	46	48	40	40	6
5	46	44	35	35	47	49	43	42	40	40	43	45	36	36	5
4	43	41	29	29	43	45	39	38	35	37	40	42	33	32	4
3	39	37	23	24	39	41	35	33	31	33	36	39	29	28	3
2	36	34	18	19	35	36	31	28	26	29	33	36	25	24	2
1	32	30	12	14	31	32	27	24	22	26	30	33	21	20	1
0	29	26	7	8	27	28		19							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 65-69 years  
Race: African American

Scaled score	Summary scores			Executive functions					Attention/Working memory						Scaled score
	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	89		100	100	100	99	94	99	85						19
18	85	88	100	100	100	95	91	95	81	82				99	18
17	81	83	100	100	96	91	87	91			94				17
16	77	79	100	99	92	87	83	87	74		91				16
15	73	75	99	95	88	83	79	83	70	72	87	76	66	86	15
14	68	71	94	90	84	79	75	79	66	69	83		63		14
13	64	66	89	86	79	75	72	75	62	65	79	69		77	13
12	60	62	84	81	75	72	68	71	58		76	65	57	73	12
11	56	58	78	77	71	68	64	67	54	59	72	62		69	11
10	51	53	73	73	67	64	60	63	50	56	68	58	52	64	10
9	47	49	68	68	62	60	57	59		52	64	55	49	60	9
8	43	45	63	64	58	56	53	55	42	49	60	51	46	56	8
7	39	40	58	60	54	52	49	51	38		57	47	43	51	7
6	34	36	53	55	50	48	45	47	34	43	53	44	40	47	6
5	30	32	48	51	45	44	42	43	31	40	49	40	37	43	5
4	26	27	42	46	41	41	38	39	27		45	37	35	38	4
3	22	23	37	42	37	37	34	35	23	33	42	33	32	34	3
2	18	19	32	38	33	33	30	31	19		38	30	29	29	2
1	13	14	27	33	29	29	27	27		27	34	26	26	25	1
0		10	22	29				23		23	30	22	23		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		91								19
18	96	100	97	86			100		87								18
17	92	100	93	82	92		100		83	90				86	82		17
16	88	100	89	79	88	80	96		79	85		95		82	78	77	16
15	84	96	85	75	84	76	92		75	80				78	74		15
14	80	91	81	72	80	72	88		71	76		86		74	71	69	14
13	76	87	77	68	76	68	84		66	71	75	82		70	67	65	13
12	72	82	72	65	72	64	79		62	67			61	66	63	61	12
11	68	78	68	61	68	59	75	63	58	62	67	73		62	60	57	11
10	64	74	64	57	64	55	71		54	58	63	68		58	56	53	10
9	60	69	60	54	60	51	67	53	50	53	58	64	46	54	52	49	9
8	56	65	56	50	56	47	63		46	49	54	59		50	49	45	8
7	52	61	52	47	52	43	59	44	41	44	50	55	37	46	45	41	7
6	48	56	47	43	48	39	54		37	40	46	50		42	41	37	6
5	44	52	43	40	44	35	50	34	33	35	41	46	27	38	38	33	5
4	40	48	39	36	40	31	46		29	30	37	41		34	34	29	4
3	36	43	35		36	27	42	24	25	26	33	37	17	30	30		3
2	32	39	31		32	22	38	20	21	21	29	33	13	26			2
1	28	35	26		28	18	33	15	17	17	25	28	8				1
0		30				14	29	10	12	20					19	13	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		95		100		100				100	100	100	96		19
18	98	100	92				97				98	100	100	93		18
17	94	100	88		93		93			91		100		89		17
16	90	97	85			86	88	82	88			97	98	85		16
15	85	93	81		83		83	78			84					15
14	81	88	78	69	78	77	79	74	79		80	88	89	77		14
13	77	84	74		73		74	70		74		83	85	73	60	13
12	73	80	71	63	68	69	70	67	70		71	78	81		56	12
11	69	75	67	60	63	65	65	63	66	66	66	74	76	65	52	11
10	64	71	63	57	58	60	60	59	61		62	69	72	61	49	10
9	60	67	60	54	53	56	56	55	57	58	57	65	67	57	45	9
8	56	63	56	51	48	52	51	51	52		53	60	63	53	41	8
7	52	58	53	48	43	48	47	48	48	50	48	56	58	49	38	7
6	48	54	49	45		44	42	44	43	45		51	54	45	34	6
5	43	50	46	42	33	39	38	40	39	41	39	47	50	41	30	5
4	39	45	42	39		35	33	36	34	37		42	45	37	26	4
3	35	41	39	35	22	31	28		30	33		38	41	33	23	3
2	31	37	35	32	17	27	24	29	25	29		33	36	29	19	2
1	27		32	29	12	22	19	25	21	25				25		1
0			26			18	15	21								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	95	96	100	100	100	100	100	100	100				92	93	19
18	92	93	100	100	100	100	97	100	100				88	89	18
17	89	89	100	100	99	100	93	100	96				84	85	17
16	85	86	97	95	95	99	89	97	92				81	81	16
15	82	82	92	89	91	95	85	92	87			78	77	77	15
14	78	78	86	84	86	90	81	87	83	76			73	73	14
13	75	75	81	79	82	86	77	82	78		73	72	69	69	13
12	71	71	75	73	78	82	73	78	74	69			65	65	12
11	68	67	69	68	74	77	69	73	69		66	66	61	61	11
10	64	64	64	63	70	73	65	68	65	62	63	63	57	57	10
9	61	60	58	57	66	69	61	64	60	58	59	60	53	53	9
8	58	57	53	52	62	65	57	59	56	54	56	57	50	49	8
7	54	53	47	47	58	60	53	54	51	51	53	54	46	46	7
6	51	49	42	42	54	56	49	50	46	47	49	51	42	42	6
5	47	46	36	36	49	52	45	45	42	43	46	48	38	38	5
4	44	42	30	31	45	47	41	40	37	40	43	45	34	34	4
3	40	39	25	26	41	43	37	35	33	36	39	42	30	30	3
2	37	35	19	20	37	39	33	31	28	32	36	39	26	26	2
1	33	31	14	15	33	34	29	26	24	29	32	36	22	22	1
0	30	28	8	10	29	30		21							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	88		100	100	100	100	96	100	85						19	
18	84	87	100	100	100	96	92	97	81	82				100	18	
17	79	82	100	100	98	92	88	93			96				17	
16	75	78	100	100	94	88	84	89	74		92				16	
15	71	74	100	97	90	84	81	85	70	72	88	76	67	88	15	
14	67	69	97	93	86	81	77	81	66	69	84		64		14	
13	62	65	91	88	81	77	73	77	62	66	80	69		79	13	
12	58	61	86	84	77	73	69	73	58		77	66	58	75	12	
11	54	56	81	79	73	69	66	69	54	59	73	62		70	11	
10	50	52	76	75	69	65	62	65	50	56	69	58	52	66	10	
9	46	48	71	71	64	61	58	61		53	65	55	50	62	9	
8	41	44	66	66	60	57	54	57	42	50	62	51	47	57	8	
7	37	39	61	62	56	53	51	53	38		58	48	44	53	7	
6	33	35	56	58	52	50	47	49	34	43	54	44	41	49	6	
5	29	31	50	53	48	46	43	45	31	40	50	41	38	44	5	
4	24	26	45	49	43	42	39	41	27		46	37	35	40	4	
3	20	22	40	44	39	38	35	37	23	34	43	34	33	35	3	
2	16	18	35	40	35	34	32	33	19		39	30	30	31	2	
1	12	13	30	36	31	30	28	29		27	35	26	27	27	1	
0		9	25	31				25		24	31	23	24		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		90								19
18	99	100	99	87			100		86								18
17	95	100	95	84	94		100		82	90				83	82		17
16	91	100	91	80	90	81	99		78	85		96		79	78	77	16
15	87	98	87	76	86	77	94		73	80				75	75		15
14	83	93	83	73	82	73	90		69	76		87		71	71	69	14
13	79	89	78	69	78	69	86		65	71	75	82		67	67	65	13
12	75	85	74	66	74	65	82		61	67			61	63	64	61	12
11	71	80	70	62	70	61	78	63	57	62	67	73		59	60	57	11
10	67	76	66	59	66	57	74		53	58	63	69		55	56	53	10
9	63	72	62	55	62	52	69	54	48	53	58	64	46	51	53	49	9
8	59	67	58	52	58	48	65		44	49	54	60		47	49	45	8
7	55	63	53	48	54	44	61	44	40	44	50	55	37	43	45	41	7
6	51	59	49	44	50	40	57		36	40	46	51		39	42	37	6
5	47	54	45	41	46	36	53	34	32	35	41	46	27	35	38	33	5
4	43	50	41	37	42	32	49		28	30	37	42		31	34	29	4
3	39	46	37		38	28	44	25	24	26	33	38	18	27	31		3
2	35	41	33		34	24	40	20	19	21	29	33	13	23			2
1	31	37	28		30	20	36	15	15	17	25	29	8				1
0		33				15	32	11		12	20				20	13	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		96		100		100				100	100	100	98		19
18	99	100	92				100				99	100	100	94		18
17	94	100	89		94		95			92		100		90		17
16	90	98	85			88	91	84	90			98	100	86		16
15	86	94	82		84		86	80			86					15
14	82	89	78	70	79	79	82	77	81		81	89	91	78		14
13	78	85	75		74		77	73		76		84	87	74	60	13
12	73	81	71	64	69	71	72	69	72		72	80	82		56	12
11	69	77	68	60	64	66	68	65	68	68	68	75	78	66	52	11
10	65	72	64	57	59	62	63	61	63		63	71	74	62	49	10
9	61	68	61	54	54	58	59	58	59	59	59	66	69	58	45	9
8	57	64	57	51	49	54	54	54	54		54	62	65	54	41	8
7	52	59	54	48	44	50	49	50	49	51	50	57	60	50	38	7
6	48	55	50	45		45	45	46	45	47		53	56	46	34	6
5	44	51	46	42	34	41	40	42	40	43	41	48	51	42	30	5
4	40	47	43	39		37	36	39	36	39		44	47	38	26	4
3	36	42	39	36	24	33	31		31	35		39	43	34	23	3
2	31	38	36	33	19	28	27	31	27	31		35	38	30	19	2
1	27		32	30	14	24	22	27	22	26				26		1
0			27			20	17	23								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	97	98	100	100	100	100	100	100	100				94	94	19
18	93	94	100	100	100	100	99	100	100				90	91	18
17	90	90	100	100	100	100	95	100	99				86	87	17
16	86	87	99	96	97	100	91	99	94				82	83	16
15	83	83	93	91	93	97	87	94	90			81	78	79	15
14	79	80	88	86	89	93	83	90	85	79			74	75	14
13	76	76	82	80	85	88	79	85	81		76	75	70	71	13
12	72	72	77	75	81	84	75	80	76	72			67	67	12
11	69	69	71	70	76	80	71	75	71		69	69	63	63	11
10	66	65	66	64	72	75	67	71	67	65	66	66	59	59	10
9	62	62	60	59	68	71	63	66	62	61	62	63	55	55	9
8	59	58	54	54	64	67	59	61	58	57	59	60	51	51	8
7	55	54	49	48	60	62	55	57	53	54	56	57	47	47	7
6	52	51	43	43	56	58	51	52	49	50	52	54	43	43	6
5	48	47	38	38	52	54	47	47	44	46	49	51	39	39	5
4	45	43	32	33	48	49	43	43	40	43	46	48	36	35	4
3	41	40	27	27	44	45	38	38	35	39	42	45	32	31	3
2	38	36	21	22	39	41	34	33	31	35	39	42	28	27	2
1	35	33	15	17	35	36	30	28	26	32	35	39	24	23	1
0	31	29	10	11	31	32		24							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 75-79 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	86		100	100	100	100	97	100	85						19
18	82	86	100	100	100	97	93	99	81	83				100	18
17	78	81	100	100	100	93	90	95			97				17
16	74	77	100	100	96	90	86	91	74		93				16
15	69	73	100	99	92	86	82	87	70	73	89	77	67	89	15
14	65	68	99	95	88	82	78	83	66	70	85		65		14
13	61	64	94	91	83	78	75	79	62	66	81	70		81	13
12	57	60	89	86	79	74	71	75	58		78	66	59	76	12
11	52	55	84	82	75	70	67	71	54	60	74	62		72	11
10	48	51	79	77	71	66	63	67	50	57	70	59	53	68	10
9	44	47	74	73	67	62	60	63		53	66	55	50	63	9
8	40	42	69	69	62	58	56	59	42	50	63	52	48	59	8
7	35	38	63	64	58	55	52	55	38		59	48	45	55	7
6	31	34	58	60	54	51	48	52	34	44	55	45	42	50	6
5	27	29	53	56	50	47	45	48	31	41	51	41	39	46	5
4	23	25	48	51	45	43	41	44	27		48	37	36	42	4
3	19	21	43	47	41	39	37	40	23	34	44	34	33	37	3
2	14	16	38	42	37	35	33	36	19		40	30	31	33	2
1	10	12	33	38	33	31	29	32		28	36	27	28	28	1
0		8	27	34				28		24	32	23	25		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCR N	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		89								19
18	100	100	100	88			100		85								18
17	98	100	97	85	96		100		80	90				80	82		17
16	94	100	93	81	92	82	100		76	85		96		76	79	77	16
15	90	100	89	78	88	78	97		72	80				72	75		15
14	86	96	84	74	84	74	93		68	76		87		68	71	69	14
13	82	91	80	71	80	70	89		64	71	75	83		64	68	65	13
12	78	87	76	67	76	66	84		60	67			61	60	64	61	12
11	74	83	72	63	72	62	80	64	55	62	67	74		56	60	57	11
10	70	78	68	60	68	58	76		51	58	63	69		52	57	53	10
9	66	74	64	56	64	54	72	54	47	53	58	65	46	48	53	49	9
8	62	70	59	53	60	50	68		43	49	54	60		44	49	45	8
7	58	65	55	49	56	45	64	44	39	44	50	56	37	40	46	41	7
6	54	61	51	46	52	41	59		35	40	46	51		36	42	37	6
5	50	57	47	42	48	37	55	35	31	35	41	47	27	32	38	33	5
4	46	52	43	39	44	33	51		26	30	37	43		28	35	29	4
3	42	48	39		40	29	47	25	22	26	33	38	18	24	31		3
2	38	44	34		36	25	43	21	18	21	29	34	13	20			2
1	34	39	30		32	21	38	16	14	17	25	29	8				1
0		35				17	34	11		12	20				20	13	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		97		100		100				100	100	100	99		19
18	99	100	93				100				100	100	100	95		18
17	95	100	90		95		98			94		100		91		17
16	91	99	86			89	94	87	92			100	100	87		16
15	87	95	83		85		89	83			87					15
14	82	90	79	70	80	81	84	79	83		82	91	93	79		14
13	78	86	75		75		80	75		78		86	89	75	60	13
12	74	82	72	64	70	72	75	72	74		74	81	84		56	12
11	70	78	68	61	65	68	71	68	69	69	69	77	80	67	52	11
10	66	73	65	58	60	64	66	64	65		65	72	75	63	49	10
9	61	69	61	55	55	60	62	60	60	61	60	68	71	59	45	9
8	57	65	58	52	50	56	57	56	56		56	63	67	55	41	8
7	53	61	54	48	45	51	52	53	51	53	51	59	62	51	38	7
6	49	56	51	45		47	48	49	47	49		54	58	47	34	6
5	45	52	47	42	35	43	43	45	42	45	42	50	53	43	30	5
4	40	48	44	39		39	39	41	38	41		45	49	39	26	4
3	36	43	40	36	25	34	34		33	36		41	44	35	23	3
2	32	39	37	33	20	30	29	34	29	32		36	40	31	19	2
1	28		33	30	15	26	25	30	24	28				27		1
0				27		22	20	26								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	98	99	100	100	100	100	100	100	100				95	96	19
18	94	95	100	100	100	100	100	100	100				91	92	18
17	91	92	100	100	100	100	97	100	100				87	88	17
16	87	88	100	98	99	100	93	100	96				84	84	16
15	84	85	95	93	95	99	89	97	92			83	80	80	15
14	81	81	90	88	91	94	85	92	87	83			76	76	14
13	77	77	84	82	87	90	81	87	83		79	77	72	72	13
12	74	74	79	77	83	86	77	83	78	75			68	68	12
11	70	70	73	72	79	81	73	78	74		72	71	64	64	11
10	67	66	68	66	75	77	69	73	69	68	69	68	60	60	10
9	63	63	62	61	71	73	65	68	65	64	66	65	56	57	9
8	60	59	56	56	66	68	61	64	60	61	62	62	53	53	8
7	56	56	51	50	62	64	57	59	56	57	59	60	49	49	7
6	53	52	45	45	58	60	52	54	51	53	55	57	45	45	6
5	50	48	40	40	54	55	48	50	46	50	52	54	41	41	5
4	46	45	34	34	50	51	44	45	42	46	49	51	37	37	4
3	43	41	29	29	46	47	40	40	37	42	45	48	33	33	3
2	39	37	23	24	42	42	36	36	33	39	42	45	29	29	2
1	36	34	17	19	38	38	32	31	28	35	38	42	25	25	1
0	32	30	12	13	34	34		26							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	86		100	100	100	100	99	100	85						19
18	82	84	100	100	100	99	95	100	81	83				100	18
17	78	80	100	100	100	95	91	98			98				17
16	74	76	100	100	98	91	88	94	74		94				16
15	69	71	100	100	94	87	84	90	70	73	90	77	68	91	15
14	65	67	100	97	90	83	80	86	66	70	86		66		14
13	61	63	97	93	86	79	76	82	62	67	83	70		82	13
12	57	58	92	89	82	75	73	78	58		79	66	60	78	12
11	52	54	87	84	77	71	69	74	54	60	75	63		74	11
10	48	50	82	80	73	68	65	70	50	57	71	59	54	69	10
9	44	46	77	76	69	64	61	66		54	68	56	51	65	9
8	40	41	72	71	65	60	58	62	42	51	64	52	48	61	8
7	35	37	66	67	60	56	54	58	38		60	49	46	56	7
6	31	33	61	62	56	52	50	54	34	44	56	45	43	52	6
5	27	28	56	58	52	48	46	51	31	41	52	41	40	48	5
4	23	24	51	54	48	44	43	47	27		49	38	37	43	4
3	19	20	46	49	43	40	39	43	23	35	45	34	34	39	3
2	14	15	41	45	39	37	35	39	19		41	31	31	35	2
1	10	11	36	41	35	33	31	35		28	37	27	29	30	1
0		7	30	36				31		25	34	24	26		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		89								19
18	100	100	100	90			100		85								18
17	98	100	99	86	96		100		80	90				76	83		17
16	94	100	95	83	92	84	100		76	85		97		72	79	77	16
15	90	100	91	79	88	80	100		72	80				68	75		15
14	86	98	86	76	84	75	95		68	76		88		64	72	69	14
13	82	94	82	72	80	71	91		64	71	75	83		60	68	65	13
12	78	90	78	68	76	67	87		60	67			61	56	64	61	12
11	74	85	74	65	72	63	83	64	55	62	67	74		52	61	57	11
10	70	81	70	61	68	59	79		51	58	63	70		48	57	53	10
9	66	77	66	58	64	55	75	55	47	53	58	65	46	44	53	49	9
8	62	72	61	54	60	51	70		43	49	54	61		40	50	45	8
7	58	68	57	51	56	47	66	45	39	44	50	56	37	36	46	41	7
6	54	64	53	47	52	43	62		35	40	46	52		32	42	37	6
5	50	59	49	43	48	39	58	35	31	35	41	48	27	28	39	33	5
4	46	55	45	40	44	34	54		26	30	37	43		24	35	29	4
3	42	51	41		40	30	50	26	22	26	33	39	18	20	31		3
2	38	46	36		36	26	45	21	18	21	29	34	13	16			2
1	34	42	32		32	22	41	16	14	17	24	30	8				1
0		37				18	37	12		12	20				20	13	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 9-11 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		98		100		100				100	100	100	100		19
18	100	100	94				100				100	100	100	96		18
17	96	100	90		97		100			96		100		92		17
16	91	100	87			91	97	90	94			100	100	88		16
15	87	96	83		87		92	86			89					15
14	83	92	80	70	82	83	88	82	85		84	92	95	80		14
13	79	87	76		77		83	79		80		88	91	76	60	13
12	75	83	73	64	72	74	79	75	76		75	83	86		56	12
11	70	79	69	61	67	70	74	71	71	71	71	79	82	68	52	11
10	66	75	66	58	62	66	70	67	66		66	74	77	64	49	10
9	62	70	62	55	56	62	65	63	62	63	62	70	73	60	45	9
8	58	66	59	52	51	57	60	60	57		57	65	69	56	41	8
7	54	62	55	49	46	53	56	56	53	55	53	60	64	52	38	7
6	49	57	52	46		49	51	52	48	51		56	60	48	34	6
5	45	53	48	43	36	45	47	48	44	47	44	51	55	44	30	5
4	41	49	44	40		41	42	44	39	42		47	51	41	26	4
3	37	45	41	36	26	36	37		35	38		42	46	37	23	3
2	33	40	37	33	21	32	33	37	30	34		38	42	33	19	2
1	29		34	30	16	28	28	33	26	30				29		1
0				27		24	24	29								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	99	100	100	100	100	100	100	100	100				97	98	19
18	96	97	100	100	100	100	100	100	100				93	94	18
17	92	93	100	100	100	100	99	100	100				89	90	17
16	89	90	100	100	100	100	95	100	99				85	86	16
15	85	86	98	95	98	100	91	99	94			86	81	82	15
14	82	82	92	90	94	96	87	95	90	87			77	78	14
13	78	79	87	85	90	91	83	90	85		83	80	74	74	13
12	75	75	81	79	85	87	79	85	81	79			70	70	12
11	72	71	76	74	81	83	75	80	76		76	74	66	66	11
10	68	68	70	69	77	78	71	76	72	72	72	71	62	62	10
9	65	64	65	63	73	74	67	71	67	68	69	68	58	58	9
8	61	61	59	58	69	70	63	66	63	65	66	65	54	54	8
7	58	57	53	53	65	65	59	62	58	61	62	62	50	50	7
6	54	53	48	47	61	61	54	57	53	57	59	59	46	46	6
5	51	50	42	42	57	57	50	52	49	54	55	56	43	42	5
4	47	46	37	37	53	52	46	48	44	50	52	53	39	39	4
3	44	42	31	32	49	48	42	43	40	46	49	50	35	35	3
2	41	39	26	26	44	44	38	38	35	43	45	47	31	31	2
1	37	35	20	21	40	39	34	33	31	39	42	45	27	27	1
0	34	32	14	16	36	35		29							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 20-34 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	90		95	92	86	86	87	89	82						19
18	86	92	90	87	81	82	83	85	78	76				84	18
17	82	87	85	83	77	78	79	81			83				17
16	77	83	79	79	73	74	75	77	71		80				16
15	73	79	74	74	69	70	71	73	67	66	76	72	58	71	15
14	69	74	69	70	64	66	68	69	63	63	72		55		14
13	65	70	64	66	60	63	64	65	59	59	68	65		62	13
12	60	66	59	61	56	59	60	61	55		65	61	50	58	12
11	56	61	54	57	52	55	56	57	51	53	61	57		53	11
10	52	57	49	52	47	51	53	53	47	50	57	54	44	49	10
9	48	53	43	48	43	47	49	49		47	53	50	41	45	9
8	43	48	38	44	39	43	45	45	39	43	49	47	38	40	8
7	39	44	33	39	35	39	41	41	35		46	43	35	36	7
6	35	40	28	35	31	35	38	37	31	37	42	40	32	32	6
5	31	35	23	31	26	31	34	33	28	34	38	36	30	27	5
4	27	31	18	26	22	28	30	29	24		34	32	27	23	4
3	22	27	13	22	18	24	26	25	20	27	31	29	24	19	3
2	18	23	8	17	14	20	23	21	16		27	25	21	14	2
1	14	18	2	13	9	16	19	17		21	23	22	18	10	1
0		14	0	9				13		17	19	18	15		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	85		85		89		87		91								19
18	81	87	81	75			83		86								18
17	77	83	77	71	81		79		82	85				88	76		17
16	73	78	73	68	77	68	75		78	80		89		84	72	74	16
15	69	74	68	64	73	64	71		74	76				80	68		15
14	65	70	64	60	69	60	66		70	71		80		76	65	66	14
13	61	65	60	57	65	56	62		66	67	73	75		72	61	62	13
12	57	61	56	53	61	52	58		62	62			58	68	57	58	12
11	53	57	52	50	57	48	54	58	57	57	64	66		64	54	54	11
10	49	52	48	46	53	43	50		53	53	60	62		60	50	50	10
9	45	48	43	43	49	39	46	48	49	48	56	57	44	56	46	46	9
8	41	44	39	39	45	35	41		45	44	52	53		52	43	42	8
7	37	39	35	35	41	31	37	39	41	39	48	48	34	48	39	38	7
6	33	35	31	32	37	27	33		37	35	43	44		44	35	34	6
5	29	31	27	28	33	23	29	29	32	30	39	39	24	40	32	30	5
4	25	26	22	25	29	19	25		28	26	35	35		36	28	26	4
3	21	22	18		25	15	20	20	24	21	31	30	15	32	24		3
2	17	18	14		21	11	16	15	20	17	26	26	10	28			2
1	13	13	10		17	6	12	10	16	12	22	22	5				1
0		9				2	8	5		7	18				13	10	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	95		85		92		85				90	96	95	86		19
18	91	93	81				80				86	91	91	82		18
17	87	89	77		82		76			77		87		78		17
16	82	85	74			69	71	66	73			82	82	74		16
15	78	81	70		72		67	62			72					15
14	74	76	67	66	67	61	62	59	64		68	73	73	66		14
13	70	72	63		62		57	55		60		69	68	62	60	13
12	66	68	60	60	57	52	53	51	55		59	64	64		56	12
11	61	63	56	57	52	48	48	47	50	52	54	60	60	54	52	11
10	57	59	53	54	47	44	44	43	46		50	55	55	50	49	10
9	53	55	49	51	42	40	39	40	41	44	46	50	51	46	45	9
8	49	51	46	48	37	35	34	36	36		41	46	46	42	41	8
7	45	46	42	44	31	31	30	32	32	35	37	41	42	38	38	7
6	40	42	39	41		27	25	28	27	31		37	37	34	34	6
5	36	38	35	38	21	23	21	24	23	27	28	32	33	30	30	5
4	32	33	32	35		18	16	21	18	23		28	29	26	27	4
3	28	29	28	32	11	14	12		14	19		23	24	22	23	3
2	24	25	24	29	6	10	7	13	9	15		19	20	18	19	2
1	20		21	26	1	6	2	9	5	11				14		1
0				23		2	0	5								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	85	85	100	100	86	91	85	90	87				79	80	19	
18	81	81	100	99	82	87	81	86	82				75	76	18	
17	78	78	96	94	78	82	77	81	78				71	72	17	
16	74	74	91	88	74	78	73	76	73				67	68	16	
15	71	71	85	83	70	74	69	72	69			60	63	64	15	
14	67	67	80	78	66	69	65	67	64	59			60	60	14	
13	64	63	74	72	62	65	61	62	59		58	54	56	56	13	
12	60	60	69	67	57	61	57	58	55	51			52	52	12	
11	57	56	63	62	53	56	53	53	50		51	48	48	48	11	
10	54	52	57	56	49	52	49	48	46	44	48	45	44	44	10	
9	50	49	52	51	45	48	45	43	41	40	44	42	40	40	9	
8	47	45	46	46	41	43	41	39	37	37	41	39	36	36	8	
7	43	42	41	40	37	39	37	34	32	33	37	36	32	32	7	
6	40	38	35	35	33	35	33	29	28	29	34	33	28	28	6	
5	36	34	30	30	29	30	29	25	23	26	31	30	25	24	5	
4	33	31	24	24	25	26	24	20	19	22	27	27	21	20	4	
3	29	27	18	19	21	22	20	15	14	18	24	24	17	16	3	
2	26	23	13	14	16	18	16	11	9	15	20	21	13	13	2	
1	23	20	7	9	12	13	12	6	5	11	17	18	9	9	1	
0	19	16	2	3	8	9		1							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	88		100	96	90	88	87	89	82						19
18	84	89	95	92	85	84	83	85	78	77				87	18
17	80	85	90	88	81	80	80	81			86				17
16	76	81	85	83	77	77	76	78	71		82				16
15	71	77	80	79	73	73	72	74	67	67	78	72	60	74	15
14	67	72	75	75	69	69	68	70	63	64	74		57		14
13	63	68	70	70	64	65	65	66	59	60	70	65		65	13
12	59	64	64	66	60	61	61	62	55		67	62	51	61	12
11	55	59	59	61	56	57	57	58	51	54	63	58		57	11
10	50	55	54	57	52	53	53	54	47	51	59	55	45	52	10
9	46	51	49	53	47	49	50	50		48	55	51	43	48	9
8	42	46	44	48	43	46	46	46	39	44	52	48	40	44	8
7	38	42	39	44	39	42	42	42	35		48	44	37	39	7
6	33	38	34	40	35	38	38	38	31	38	44	40	34	35	6
5	29	33	28	35	30	34	34	34	28	35	40	37	31	31	5
4	25	29	23	31	26	30	31	30	24		37	33	28	26	4
3	21	25	18	26	22	26	27	26	20	28	33	30	26	22	3
2	16	20	13	22	18	22	23	22	16		29	26	23	18	2
1	12	16	8	18	14	18	19	18		22	25	23	20	13	1
0		12	3	13				14		18	21	19	17		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	88		89		90		92		89								19
18	84	95	85	77			88		85								18
17	80	90	80	74	82		84		81	85				89	76		17
16	76	86	76	70	78	70	80		77	80		88		85	73	73	16
15	72	82	72	67	74	66	76		73	76				81	69		15
14	68	77	68	63	70	62	71		68	71		79		77	65	65	14
13	64	73	64	59	66	58	67		64	67	73	75		73	62	61	13
12	60	69	60	56	62	54	63		60	62			58	69	58	57	12
11	56	64	55	52	58	50	59	59	56	57	64	66		65	54	53	11
10	52	60	51	49	54	46	55		52	53	60	61		61	51	49	10
9	48	56	47	45	50	42	51	49	48	48	56	57	44	57	47	46	9
8	44	51	43	42	46	38	46		44	44	52	52		53	43	42	8
7	40	47	39	38	42	34	42	40	39	39	47	48	34	49	40	38	7
6	36	43	34	34	38	29	38		35	35	43	43		45	36	34	6
5	32	38	30	31	34	25	34	30	31	30	39	39	25	41	32	30	5
4	28	34	26	27	30	21	30		27	26	35	34		37	29	26	4
3	24	30	22		26	17	25	20	23	21	31	30	15	33	25		3
2	20	25	18		22	13	21	16	19	17	26	26	10	29			2
1	16	21	14		18	9	17	11	14	12	22	21	5				1
0		17				5	13	6		7	18				14	10	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	96		86		94		87				93	99	99	88		19
18	92	96	82				83				89	94	94	84		18
17	88	91	79		84		78			80		90		80		17
16	83	87	75			73	74	68	76			85	85	76		16
15	79	83	72		74		69	65			75					15
14	75	78	68	67	69	64	64	61	67		71	76	77	68		14
13	71	74	65		64		60	57		63		72	72	64	60	13
12	67	70	61	60	59	56	55	53	58		62	67	68		56	12
11	63	66	58	57	54	51	51	49	53	55	57	63	63	56	52	11
10	58	61	54	54	49	47	46	46	49		53	58	59	52	49	10
9	54	57	51	51	44	43	42	42	44	47	48	53	54	49	45	9
8	50	53	47	48	39	39	37	38	40		44	49	50	45	41	8
7	46	49	44	45	34	35	32	34	35	39	39	44	46	41	38	7
6	42	44	40	42		30	28	30	31	35		40	41	37	34	6
5	37	40	36	39	24	26	23	27	26	30	30	35	37	33	30	5
4	33	36	33	36		22	19	23	22	26		31	32	29	27	4
3	29	31	29	33	14	18	14		17	22		26	28	25	23	3
2	25	27	26	30	9	13	9	15	13	18		22	23	21	19	2
1	21		22	27	4	9	5	11	8	14				17		1
0				23		5	0	8								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	87	88	100	100	91	95	89	95	91				82	83	19
18	84	84	100	100	87	91	85	91	87				78	79	18
17	80	80	97	94	83	86	81	86	82				74	75	17
16	77	77	92	89	79	82	77	81	78				70	71	16
15	73	73	86	84	74	78	73	76	73			62	66	67	15
14	70	69	80	78	70	73	69	72	68	61			63	63	14
13	66	66	75	73	66	69	65	67	64		58	56	59	59	13
12	63	62	69	68	62	65	61	62	59	54			55	55	12
11	59	59	64	62	58	60	57	58	55		52	50	51	51	11
10	56	55	58	57	54	56	52	53	50	47	48	47	47	47	10
9	53	51	53	52	50	52	48	48	46	43	45	44	43	43	9
8	49	48	47	46	46	47	44	44	41	39	41	41	39	39	8
7	46	44	41	41	42	43	40	39	37	36	38	38	35	35	7
6	42	41	36	36	38	39	36	34	32	32	35	35	31	31	6
5	39	37	30	30	33	34	32	29	28	28	31	32	28	28	5
4	35	33	25	25	29	30	28	25	23	25	28	29	24	24	4
3	32	30	19	20	25	26	24	20	18	21	24	26	20	20	3
2	28	26	14	15	21	21	20	15	14	17	21	23	16	16	2
1	25	22	8	9	17	17	16	11	9	14	18	20	12	12	1
0	21	19	2	4	13	13		6							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	88		100	99	92	89	87	90	82						19
18	84	88	98	94	88	86	84	86	78	77				89	18
17	80	84	93	90	83	82	80	82			87				17
16	76	80	88	86	79	78	76	78	71		83				16
15	71	75	83	81	75	74	72	74	67	67	79	73	59	76	15
14	67	71	77	77	71	70	69	70	63	64	75		57		14
13	63	67	72	73	66	66	65	66	59	61	72	66		67	13
12	59	62	67	68	62	62	61	62	55		68	62	51	63	12
11	55	58	62	64	58	58	57	58	51	54	64	59		58	11
10	50	54	57	59	54	55	54	54	47	51	60	55	45	54	10
9	46	49	52	55	49	51	50	50		48	56	51	42	50	9
8	42	45	47	51	45	47	46	46	39	45	53	48	40	45	8
7	38	41	41	46	41	43	42	43	35		49	44	37	41	7
6	33	37	36	42	37	39	39	39	31	38	45	41	34	37	6
5	29	32	31	38	33	35	35	35	28	35	41	37	31	32	5
4	25	28	26	33	28	31	31	31	24		38	34	28	28	4
3	21	24	21	29	24	27	27	27	20	29	34	30	25	24	3
2	16	19	16	24	20	23	24	23	16		30	27	22	19	2
1	12	15	11	20	16	20	20	19		22	26	23	20	15	1
0		11	6	16				15		19	22	19	17		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCR N	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	88		91		90		95		89								19
18	84	97	86	77			91		85								18
17	80	93	82	74	82		86		81	85				89	77		17
16	76	88	78	70	78	72	82		77	80		88		85	73	73	16
15	72	84	74	67	74	68	78		73	76				81	69		15
14	68	80	70	63	70	63	74		68	71		80		77	66	65	14
13	64	75	66	60	66	59	70		64	67	73	75		73	62	61	13
12	60	71	61	56	62	55	66		60	62			58	69	58	57	12
11	56	67	57	53	58	51	61	59	56	57	64	66		65	55	53	11
10	52	62	53	49	54	47	57		52	53	60	62		61	51	49	10
9	48	58	49	45	50	43	53	50	48	48	56	57	44	57	47	45	9
8	44	54	45	42	46	39	49		44	44	52	53		53	44	41	8
7	40	49	41	38	42	35	45	40	39	39	47	48	34	49	40	37	7
6	36	45	36	35	38	31	40		35	35	43	44		45	36	33	6
5	32	41	32	31	34	27	36	30	31	30	39	39	25	41	33	29	5
4	28	36	28	28	30	22	32		27	26	35	35		37	29	26	4
3	24	32	24		26	18	28	21	23	21	31	30	15	33	25		3
2	20	28	20		22	14	24	16	19	17	26	26	10	29			2
1	16	23	15		18	10	20	11	14	12	22	21	5				1
0		19				6	15	7		7	18				14	10	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	97		87		94		89				95	100	100	89		19
18	92	97	83				84				90	96	96	86		18
17	88	92	80		84		80			82		91		82		17
16	84	88	76			74	75	70	78			87	87	78		16
15	80	84	73		73		71	66			77					15
14	76	80	69	67	68	66	66	62	69		72	78	78	70		14
13	72	75	66		63		61	58		65		73	74	66	60	13
12	67	71	62	61	58	57	57	55	59		63	69	70		56	12
11	63	67	58	58	53	53	52	51	55	57	59	64	65	58	52	11
10	59	62	55	55	48	49	48	47	50		54	60	61	54	49	10
9	55	58	51	52	43	45	43	43	46	49	50	55	56	50	45	9
8	51	54	48	48	38	41	39	39	41		45	50	52	46	41	8
7	46	50	44	45	33	36	34	36	37	40	41	46	47	42	38	7
6	42	45	41	42		32	29	32	32	36		41	43	38	34	6
5	38	41	37	39	23	28	25	28	28	32	32	37	39	34	30	5
4	34	37	34	36		24	20	24	23	28		32	34	30	27	4
3	30	32	30	33	13	19	16		19	24		28	30	26	23	3
2	25	28	27	30	8	15	11	17	14	20		23	25	22	19	2
1	21		23	27	3	11	6	13	10	16				18		1
0				24		7	2	9								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	88	89	100	100	93	97	91	98	93				83	84	19	
18	85	85	100	100	89	93	87	93	89				80	80	18	
17	81	82	98	95	85	89	83	88	84				76	76	17	
16	78	78	92	89	81	84	79	84	80				72	73	16	
15	74	74	87	84	77	80	75	79	75			64	68	69	15	
14	71	71	81	79	73	76	70	74	71	63			64	65	14	
13	67	67	75	74	69	71	66	69	66		60	58	60	61	13	
12	64	63	70	68	65	67	62	65	62	56			56	57	12	
11	61	60	64	63	60	63	58	60	57		53	52	52	53	11	
10	57	56	59	58	56	58	54	55	53	49	50	49	48	49	10	
9	54	53	53	52	52	54	50	51	48	45	46	46	45	45	9	
8	50	49	48	47	48	50	46	46	43	41	43	43	41	41	8	
7	47	45	42	42	44	45	42	41	39	38	39	40	37	37	7	
6	43	42	36	36	40	41	38	37	34	34	36	37	33	33	6	
5	40	38	31	31	36	37	34	32	30	30	33	34	29	29	5	
4	36	35	25	26	32	32	30	27	25	27	29	31	25	25	4	
3	33	31	20	20	28	28	26	22	21	23	26	28	21	21	3	
2	30	27	14	15	23	24	22	18	16	19	22	25	17	17	2	
1	26	24	9	10	19	19	18	13	12	16	19	22	14	13	1	
0	23	20	3	4	15	15		8							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	87		100	100	94	91	88	91	82						19	
18	83	87	100	97	90	87	84	87	78	78				90	18	
17	78	83	96	92	85	83	81	83			88				17	
16	74	79	90	88	81	79	77	79	71		84				16	
15	70	74	85	84	77	75	73	75	67	68	80	73	60	77	15	
14	66	70	80	79	73	71	69	71	63	65	76		57		14	
13	61	66	75	75	69	67	65	67	59	61	73	66		69	13	
12	57	61	70	71	64	63	62	63	55		69	63	52	64	12	
11	53	57	65	66	60	60	58	59	51	55	65	59		60	11	
10	49	53	60	62	56	56	54	55	47	52	61	55	46	56	10	
9	44	48	54	57	52	52	50	51		49	58	52	43	51	9	
8	40	44	49	53	47	48	47	47	39	45	54	48	40	47	8	
7	36	40	44	49	43	44	43	43	35		50	45	38	43	7	
6	32	35	39	44	39	40	39	39	31	39	46	41	35	38	6	
5	28	31	34	40	35	36	35	35	28	36	42	38	32	34	5	
4	23	27	29	36	30	32	32	31	24		39	34	29	30	4	
3	19	22	24	31	26	29	28	28	20	29	35	30	26	25	3	
2	15	18	19	27	22	25	24	24	16		31	27	23	21	2	
1	11	14	13	22	18	21	20	20		23	27	23	20	17	1	
0		9	8	18				16		19	24	20	18		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	91		92		92		97		88								19
18	87	99	88	79			93		84								18
17	83	95	84	75	84		89		80	85				88	77		17
16	79	91	80	72	80	73	85		75	80		89		84	73	73	16
15	75	86	76	68	76	69	81		71	76				80	70		15
14	71	82	72	64	72	65	76		67	71		80		76	66	65	14
13	67	78	67	61	68	61	72		63	67	73	76		72	62	61	13
12	63	73	63	57	64	56	68		59	62			58	68	59	57	12
11	59	69	59	54	60	52	64	60	55	57	64	67		64	55	53	11
10	55	65	55	50	56	48	60		51	53	60	62		60	51	49	10
9	51	60	51	47	52	44	55	50	46	48	56	58	44	56	48	45	9
8	47	56	47	43	48	40	51		42	44	52	53		52	44	41	8
7	43	52	42	40	44	36	47	40	38	39	47	49	34	48	40	37	7
6	39	47	38	36	40	32	43		34	35	43	44		44	37	33	6
5	35	43	34	32	36	28	39	31	30	30	39	40	25	40	33	29	5
4	31	39	30	29	32	24	35		26	26	35	35		36	29	25	4
3	27	34	26		28	20	30	21	21	21	31	31	15	32	26		3
2	23	30	21		24	15	26	17	17	17	26	27	10	28			2
1	19	26	17		20	11	22	12	13	12	22	22	5				1
0		21				7	18	7		7	18				15	10	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	97		87		95		91				96	100	100	91		19
18	93	98	84				86				91	97	98	87		18
17	89	94	80		85		82			83		93		83		17
16	85	89	77			76	77	71	79			88	89	79		16
15	80	85	73		75		72	68			78					15
14	76	81	70	67	70	68	68	64	70		74	79	80	71		14
13	72	76	66		65		63	60		67		75	76	67	60	13
12	68	72	63	61	60	59	59	56	61		65	70	71		56	12
11	64	68	59	58	55	55	54	52	57	59	60	66	67	59	52	11
10	60	64	56	55	49	51	49	49	52		56	61	62	55	49	10
9	55	59	52	52	44	47	45	45	48	50	51	56	58	51	45	9
8	51	55	49	49	39	42	40	41	43		47	52	54	47	41	8
7	47	51	45	46	34	38	36	37	39	42	42	47	49	43	38	7
6	43	46	41	43		34	31	33	34	38		43	45	39	34	6
5	39	42	38	40	24	30	27	30	30	34	33	38	40	35	30	5
4	34	38	34	36		25	22	26	25	30		34	36	31	27	4
3	30	34	31	33	14	21	17		21	26		29	31	27	23	3
2	26	29	27	30	9	17	13	18	16	21		25	27	23	19	2
1	22		24	27	4	13	8	14	12	17				19		1
0			24			9	4	11								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	89	90	100	100	96	100	93	100	96				85	86	19	
18	86	86	100	100	91	95	89	95	91				81	82	18	
17	82	83	98	95	87	91	84	91	87				77	78	17	
16	79	79	93	90	83	87	80	86	82				73	74	16	
15	76	76	87	85	79	82	76	81	77			66	69	70	15	
14	72	72	82	80	75	78	72	77	73	65			65	66	14	
13	69	68	76	74	71	74	68	72	68		62	60	62	62	13	
12	65	65	71	69	67	70	64	67	64	58			58	58	12	
11	62	61	65	64	63	65	60	62	59		55	54	54	54	11	
10	58	58	59	58	59	61	56	58	55	51	52	51	50	50	10	
9	55	54	54	53	55	57	52	53	50	47	48	48	46	46	9	
8	51	50	48	48	50	52	48	48	46	43	45	45	42	42	8	
7	48	47	43	42	46	48	44	44	41	40	41	42	38	39	7	
6	45	43	37	37	42	44	40	39	37	36	38	39	34	35	6	
5	41	39	32	32	38	39	36	34	32	32	35	36	31	31	5	
4	38	36	26	26	34	35	32	30	27	29	31	33	27	27	4	
3	34	32	20	21	30	31	28	25	23	25	28	30	23	23	3	
2	31	29	15	16	26	26	24	20	18	21	24	27	19	19	2	
1	27	25	9	10	22	22	20	15	14	18	21	24	15	15	1	
0	24	21	4	5	18	18		11							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	87		100	100	96	92	89	92	82						19	
18	83	86	100	99	92	88	85	88	78	78					18	
17	78	82	98	95	88	84	81	84			89				17	
16	74	78	93	90	83	80	77	80	71		85				16	
15	70	73	88	86	79	76	74	76	67	68	81	74	61	79	15	
14	66	69	83	82	75	72	70	72	63	65	77		58		14	
13	61	65	78	77	71	69	66	68	59	62	74	67		70	13	
12	57	60	73	73	66	65	62	64	55		70	63	53	66	12	
11	53	56	68	68	62	61	59	60	51	55	66	59		62	11	
10	49	52	62	64	58	57	55	56	47	52	62	56	47	57	10	
9	44	47	57	60	54	53	51	52		49	59	52	44	53	9	
8	40	43	52	55	49	49	47	48	39	46	55	49	41	49	8	
7	36	39	47	51	45	45	44	44	35		51	45	38	44	7	
6	32	34	42	47	41	41	40	40	31	39	47	42	35	40	6	
5	28	30	37	42	37	38	36	36	28	36	43	38	33	36	5	
4	23	26	32	38	33	34	32	33	24		40	34	30	31	4	
3	19	21	26	34	28	30	29	29	20	30	36	31	27	27	3	
2	15	17	21	29	24	26	25	25	16		32	27	24	23	2	
1	11	13	16	25	20	22	21	21		23	28	24	21	18	1	
0		8	11	20				17		20	25	20	18		0	

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills									Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL		
19	91		94		92		100		88								19	
18	87	100	90	80			96		84								18	
17	83	97	86	76	84		91		80	85				87	77		17	
16	79	93	82	73	80	74	87		75	80		90		83	74	73	16	
15	75	89	78	69	76	70	83		71	76				79	70		15	
14	71	84	73	66	72	66	79		67	71		81		75	66	65	14	
13	67	80	69	62	68	62	75		63	67	73	76		71	63	61	13	
12	63	76	65	59	64	58	70		59	62			58	67	59	57	12	
11	59	71	61	55	60	54	66	60	55	57	64	67		63	55	53	11	
10	55	67	57	51	56	49	62		51	53	60	63		59	52	49	10	
9	51	63	53	48	52	45	58	50	46	48	56	58	44	55	48	45	9	
8	47	58	48	44	48	41	54		42	44	52	54		51	44	41	8	
7	43	54	44	41	44	37	50	41	38	39	47	49	34	47	41	37	7	
6	39	50	40	37	40	33	45		34	35	43	45		43	37	33	6	
5	35	45	36	34	36	29	41	31	30	30	39	41	25	39	33	29	5	
4	31	41	32	30	32	25	37		26	26	35	36		35	30	25	4	
3	27	36	28		28	21	33	22	21	21	31	32	15	31	26		3	
2	23	32	23		24	17	29	17	17	17	26	27	10	27			2	
1	19	28	19		20	13	25	12	13	12	22	23	6				1	
0		23				8	20	8		7	18				15	9	0	

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	98		88		96		93				97	100	100	92		19
18	94	99	85				88				93	99	100	88		18
17	89	95	81		86		83			85		94		84		17
16	85	90	78			78	79	73	81			90	91	80		16
15	81	86	74		76		74	69			79					15
14	77	82	70	68	71	69	70	66	72		75	81	82	72		14
13	73	78	67		66		65	62		69		76	78	68	60	13
12	69	73	63	61	61	61	61	58	63		66	72	73		56	12
11	64	69	60	58	56	57	56	54	58	60	61	67	69	60	52	11
10	60	65	56	55	51	53	51	50	54		57	63	64	56	49	10
9	56	60	53	52	46	48	47	47	49	52	52	58	60	52	45	9
8	52	56	49	49	41	44	42	43	45		48	53	55	48	41	8
7	48	52	46	46	36	40	38	39	40	44	43	49	51	44	38	7
6	43	48	42	43		36	33	35	36	40		44	47	40	34	6
5	39	43	39	40	26	31	28	31	31	36	35	40	42	36	30	5
4	35	39	35	37		27	24	28	27	31		35	38	32	27	4
3	31	35	32	34	15	23	19		22	27		31	33	28	23	3
2	27	30	28	31	10	19	15	20	18	23		26	29	24	19	2
1	22		25	28	5	15	10	16	13	19				20		1
0			24			10	6	12								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	91	91	100	100	98	100	94	100	98				86	88	19
18	87	88	100	100	94	98	90	98	93				83	84	18
17	84	84	99	96	90	94	86	93	89				79	80	17
16	80	81	94	91	86	89	82	88	84				75	76	16
15	77	77	88	86	82	85	78	84	80			69	71	72	15
14	73	73	83	80	77	81	74	79	75	67			67	68	14
13	70	70	77	75	73	76	70	74	71		64	63	63	64	13
12	66	66	71	70	69	72	66	70	66	60			59	60	12
11	63	62	66	64	65	68	62	65	62		57	57	55	56	11
10	60	59	60	59	61	64	58	60	57	53	54	54	51	52	10
9	56	55	55	54	57	59	54	55	52	49	50	51	48	48	9
8	53	52	49	48	53	55	50	51	48	45	47	48	44	44	8
7	49	48	44	43	49	51	46	46	43	42	44	45	40	40	7
6	46	44	38	38	45	46	42	41	39	38	40	42	36	36	6
5	42	41	32	33	40	42	38	37	34	34	37	39	32	32	5
4	39	37	27	27	36	38	34	32	30	31	33	36	28	28	4
3	35	34	21	22	32	33	30	27	25	27	30	33	24	24	3
2	32	30	16	17	28	29	26	23	21	23	27	30	20	20	2
1	29	26	10	11	24	25	21	18	16	20	23	27	17	16	1
0	25	23	5	6	20	20		13							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 55-59 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	85		100	100	98	93	89	93	83						19
18	81	85	100	100	94	89	86	89	79	79				94	18
17	77	81	100	97	90	85	82	85			90				17
16	72	76	96	93	85	81	78	81	71		86				16
15	68	72	91	88	81	78	74	77	67	69	82	74	62	81	15
14	64	68	86	84	77	74	71	73	63	66	79		59		14
13	60	63	81	80	73	70	67	69	60	62	75	67		72	13
12	56	59	75	75	68	66	63	66	56		71	63	53	68	12
11	51	55	70	71	64	62	59	62	52	56	67	60		63	11
10	47	51	65	66	60	58	56	58	48	53	63	56	48	59	10
9	43	46	60	62	56	54	52	54		50	60	53	45	55	9
8	39	42	55	58	52	50	48	50	40	46	56	49	42	50	8
7	34	38	50	53	47	47	44	46	36		52	46	39	46	7
6	30	33	45	49	43	43	41	42	32	40	48	42	36	42	6
5	26	29	39	45	39	39	37	38	28	37	45	38	33	37	5
4	22	25	34	40	35	35	33	34	24		41	35	31	33	4
3	17	20	29	36	30	31	29	30	20	30	37	31	28	29	3
2	13	16	24	31	26	27	26	26	16		33	28	25	24	2
1	9	12	19	27	22	23	22	22		24	29	24	22	20	1
0		7	14	23				18		20	26	21	19		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	94		96		95		100		87								19
18	90	100	92	81			98		82								18
17	86	97	88	78	87		94		78	85				86	78		17
16	82	92	84	74	83	75	90		74	80		90		82	74	73	16
15	78	88	79	71	79	71	85		70	76				78	70		15
14	74	84	75	67	75	67	81		66	71		81		74	67	65	14
13	70	79	71	63	71	63	77		62	67	73	77		70	63	61	13
12	66	75	67	60	67	59	73		58	62			58	66	59	57	12
11	62	70	63	56	63	55	69	61	53	57	64	68		62	56	53	11
10	58	66	59	53	59	51	65		49	53	60	64		58	52	49	10
9	54	62	54	49	55	47	60	51	45	48	56	59	44	54	48	45	9
8	50	57	50	46	51	42	56		41	44	52	55		50	45	41	8
7	46	53	46	42	47	38	52	41	37	39	47	50	34	46	41	37	7
6	42	49	42	38	43	34	48		33	35	43	46		42	37	33	6
5	38	44	38	35	39	30	44	32	28	30	39	41	25	38	34	29	5
4	34	40	34	31	35	26	40		24	26	35	37		34	30	25	4
3	30	36	29		31	22	35	22	20	21	31	32	15	30	26		3
2	27	31	25		27	18	31	18	16	17	26	28	10	26			2
1	23	27	21		23	14	27	13	12	12	22	23	6				1
0		23				10	23	8		7	18				15	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	98		89		97		95				99	100	100	93		19
18	94	100	85				90				94	100	100	89		18
17	90	96	82		87		86			87		96		85		17
16	86	91	78			80	81	75	83			91	93	81		16
15	82	87	75		77		76	71			81					15
14	77	83	71	68	72	71	72	68	73		76	82	84	73		14
13	73	79	68		67		67	64		70		78	79	69	60	13
12	69	74	64	62	62	63	63	60	64		67	73	75		56	12
11	65	70	61	59	57	59	58	56	60	62	63	69	71	61	52	11
10	61	66	57	56	52	54	53	52	55		58	64	66	57	49	10
9	57	61	54	52	47	50	49	49	51	54	54	60	62	53	45	9
8	52	57	50	49	42	46	44	45	46		49	55	57	49	41	8
7	48	53	46	46	37	42	40	41	42	46	45	50	53	45	38	7
6	44	49	43	43		37	35	37	37	41		46	48	41	34	6
5	40	44	39	40	27	33	31	33	33	37	36	41	44	37	30	5
4	36	40	36	37		29	26	30	28	33		37	40	33	27	4
3	31	36	32	34	17	25	21		24	29		32	35	29	23	3
2	27	32	29	31	12	21	17	22	19	25		28	31	25	19	2
1	23		25	28	7	16	12	18	15	21				21		1
0			25			12	8	14								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	92	93	100	100	100	100	96	100	100				88	89	19
18	88	89	100	100	96	100	92	100	96				84	85	18
17	85	85	100	97	92	96	88	95	91				80	81	17
16	81	82	95	92	88	92	84	91	87				76	77	16
15	78	78	89	87	84	88	80	86	82			72	72	73	15
14	75	75	84	81	80	83	76	81	77	70			68	69	14
13	71	71	78	76	76	79	72	77	73		66	66	65	65	13
12	68	67	72	71	72	75	68	72	68	62			61	61	12
11	64	64	67	65	67	71	64	67	64		60	60	57	57	11
10	61	60	61	60	63	66	60	63	59	55	56	57	53	54	10
9	57	56	56	55	59	62	56	58	55	52	53	54	49	50	9
8	54	53	50	50	55	58	52	53	50	48	50	51	45	46	8
7	50	49	45	44	51	53	48	48	46	44	46	48	41	42	7
6	47	46	39	39	47	49	44	44	41	41	43	45	37	38	6
5	44	42	34	34	43	45	40	39	37	37	39	42	34	34	5
4	40	38	28	28	39	40	35	34	32	33	36	39	30	30	4
3	37	35	22	23	35	36	31	30	27	30	33	36	26	26	3
2	33	31	17	18	31	32	27	25	23	26	29	33	22	22	2
1	30	28	11	12	26	27	23	20	18	22	26	30	18	18	1
0	26	24	6	7	22	23		16							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
 Education: 12 years  
 Age: 60-64 years  
 Race: African American

	Summary scores			Executive functions					Attention/Working memory						
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score
19	85		100	100	100	94	90	95	83						19
18	81	84	100	100	96	90	87	91	79	79				95	18
17	77	80	100	99	92	87	83	87			91				17
16	72	75	99	95	87	83	79	83	71		87				16
15	68	71	94	91	83	79	75	79	67	69	83	74	63	82	15
14	64	67	88	86	79	75	72	75	63	66	80		60		14
13	60	62	83	82	75	71	68	71	60	63	76	67		74	13
12	56	58	78	78	71	67	64	67	56		72	64	54	69	12
11	51	54	73	73	66	63	60	63	52	56	68	60		65	11
10	47	49	68	69	62	59	57	59	48	53	65	57	48	61	10
9	43	45	63	64	58	56	53	55		50	61	53	46	56	9
8	39	41	58	60	54	52	49	51	40	47	57	49	43	52	8
7	34	36	52	56	49	48	45	47	36		53	46	40	48	7
6	30	32	47	51	45	44	42	43	32	40	49	42	37	43	6
5	26	28	42	47	41	40	38	39	28	37	46	39	34	39	5
4	22	24	37	43	37	36	34	35	24		42	35	31	35	4
3	17	19	32	38	32	32	30	31	20	31	38	32	29	30	3
2	13	15	27	34	28	28	27	27	16		34	28	26	26	2
1	9	11	22	29	24	24	23	23		24	31	25	23	22	1
0		6	17	25				19		21	27	21	20		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	94		98		95		100		87								19
18	90	100	94	83			100		82								18
17	86	99	90	79	87		96		78	85				84	78		17
16	82	95	85	75	83	77	92		74	80		91		80	74	73	16
15	78	90	81	72	79	72	88		70	76				76	71		15
14	74	86	77	68	75	68	84		66	71		82		72	67	65	14
13	70	81	73	65	71	64	80		62	67	73	78		68	63	61	13
12	66	77	69	61	67	60	75		58	62			58	64	60	57	12
11	62	73	65	58	63	56	71	61	53	57	64	69		60	56	53	11
10	58	68	60	54	59	52	67		49	53	60	64		56	52	49	10
9	54	64	56	50	55	48	63	51	45	48	56	60	44	52	49	45	9
8	50	60	52	47	51	44	59		41	44	52	55		48	45	41	8
7	46	55	48	43	47	40	55	42	37	39	47	51	34	44	41	37	7
6	42	51	44	40	43	35	50		33	35	43	46		40	38	33	6
5	38	47	40	36	39	31	46	32	28	30	39	42	25	36	34	29	5
4	34	42	35	33	35	27	42		24	26	35	37		32	30	25	4
3	30	38	31		31	23	38	23	20	21	30	33	15	28	27		3
2	27	34	27		27	19	34	18	16	17	26	28	10	24			2
1	23	29	23		23	15	30	13	12	12	22	24	6				1
0		25				11	25	8		7	18				16	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	99		90		100		97				100	100	100	94		19
18	95	100	86				92				96	100	100	90		18
17	91	97	83		90		88			88		97		86		17
16	86	93	79			81	83	77	84			93	95	82		16
15	82	88	75		80		79	74			82					15
14	78	84	72	68	75	73	74	70	75		78	84	86	74		14
13	74	80	68		70		70	66		72		79	81	70	60	13
12	70	75	65	62	65	65	65	62	66		69	75	77		56	12
11	65	71	61	59	60	60	60	58	62	64	64	70	72	62	52	11
10	61	67	58	56	55	56	56	55	57		60	66	68	58	49	10
9	57	63	54	53	50	52	51	51	53	55	55	61	64	54	45	9
8	53	58	51	50	45	48	47	47	48		51	56	59	50	41	8
7	49	54	47	47	40	43	42	43	44	47	46	52	55	47	38	7
6	45	50	44	44		39	37	39	39	43		47	50	43	34	6
5	40	45	40	40	30	35	33	35	35	39	37	43	46	39	30	5
4	36	41	37	37		31	28	32	30	35		38	41	35	27	4
3	32	37	33	34	20	27	24		26	31		34	37	31	23	3
2	28	33	29	31	15	22	19	24	21	27		29	33	27	19	2
1	24		26	28	10	18	15	20	17	22				23		1
0				25		14	10	16								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	93	94	100	100	100	100	98	100	100				89	91	19	
18	90	90	100	100	99	100	94	100	98				85	87	18	
17	86	87	100	99	94	99	90	98	93				82	83	17	
16	83	83	96	93	90	95	86	93	89				78	79	16	
15	79	79	90	88	86	90	82	88	84			74	74	75	15	
14	76	76	85	83	82	86	78	84	80	72			70	71	14	
13	72	72	79	77	78	82	74	79	75		69	68	66	67	13	
12	69	69	74	72	74	77	70	74	71	65			62	63	12	
11	65	65	68	67	70	73	66	70	66		62	62	58	59	11	
10	62	61	63	61	66	69	62	65	61	58	59	59	54	55	10	
9	58	58	57	56	62	65	58	60	57	54	56	56	51	51	9	
8	55	54	51	51	57	60	53	56	52	51	52	53	47	47	8	
7	52	51	46	45	53	56	49	51	48	47	49	50	43	43	7	
6	48	47	40	40	49	52	45	46	43	43	45	47	39	39	6	
5	45	43	35	35	45	47	41	41	39	40	42	44	35	35	5	
4	41	40	29	29	41	43	37	37	34	36	39	41	31	31	4	
3	38	36	24	24	37	39	33	32	30	32	35	38	27	27	3	
2	34	32	18	19	33	34	29	27	25	29	32	35	23	23	2	
1	31	29	13	14	29	30	25	23	21	25	28	32	20	20	1	
0	27	25	7	8	25	26		18							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 65-69 years  
Race: African American

	Summary scores			Executive functions					Attention/Working memory						
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	Scaled score
19	84		100	100	100	96	92	97	83						19
18	79	83	100	100	98	92	88	93	79	80				97	18
17	75	79	100	100	94	88	84	89			92				17
16	71	74	100	97	90	84	80	85	71		88				16
15	67	70	96	93	85	80	77	81	67	70	84	75	64	84	15
14	62	66	91	89	81	76	73	77	63	67	81		61		14
13	58	61	86	84	77	72	69	73	60	63	77	68		75	13
12	54	57	81	80	73	68	65	69	56		73	64	55	71	12
11	50	53	76	75	68	64	62	65	52	57	69	61		67	11
10	45	48	71	71	64	61	58	61	48	54	66	57	49	62	10
9	41	44	65	67	60	57	54	57		50	62	53	46	58	9
8	37	40	60	62	56	53	50	53	40	47	58	50	44	54	8
7	33	35	55	58	51	49	47	49	36		54	46	41	49	7
6	29	31	50	54	47	45	43	45	32	41	50	43	38	45	6
5	24	27	45	49	43	41	39	41	28	38	47	39	35	41	5
4	20	22	40	45	39	37	35	37	24		43	36	32	36	4
3	16	18	35	41	35	33	31	33	20	31	39	32	29	32	3
2	12	14	30	36	30	30	28	29	16		35	28	27	28	2
1	7	9	24	32	26	26	24	25		25	32	25	24	23	1
0		5	19	27				21		21	28	21	21		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	97		100		96		100		85								19
18	93	100	96	84			100		81								18
17	89	100	91	80	88		99		77	85				82	78		17
16	85	97	87	77	85	78	95		73	80		92		78	75	73	16
15	81	92	83	73	81	74	90		69	76				74	71		15
14	77	88	79	70	77	70	86		65	71		83		70	67	65	14
13	73	84	75	66	73	65	82		60	67	73	78		66	64	61	13
12	69	79	71	62	69	61	78		56	62			58	62	60	57	12
11	65	75	66	59	65	57	74	61	52	57	64	69		58	56	53	11
10	61	71	62	55	61	53	70		48	53	60	65		54	53	49	10
9	57	66	58	52	57	49	65	52	44	48	56	60	44	50	49	45	9
8	53	62	54	48	53	45	61		40	44	52	56		46	45	41	8
7	50	58	50	45	49	41	57	42	35	39	47	51	34	42	42	37	7
6	46	53	46	41	45	37	53		31	35	43	47		38	38	33	6
5	42	49	41	37	41	33	49	33	27	30	39	42	25	34	34	29	5
4	38	45	37	34	37	28	45		23	26	35	38		30	31	25	4
3	34	40	33		33	24	40	23	19	21	30	34	15	26	27		3
2	30	36	29		29	20	36	18	15	17	26	29	10	22			2
1	26	32	25		25	16	32	14	10	12	22	25	6				1
0		27				12	28	9		7	18				16	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		90		100		100				100	100	100	95		19
18	95	100	87				95				97	100	100	91		18
17	91	98	83		92		90			90		99		87		17
16	87	94	80			83	86	80	86			94	96	84		16
15	83	89	76		82		81	76			84					15
14	79	85	73	68	77	75	77	72	77		79	85	88	76		14
13	74	81	69		72		72	68		74		81	83	72	60	13
12	70	77	66	62	66	66	67	64	68		70	76	79		56	12
11	66	72	62	59	61	62	63	61	63	65	66	72	74	64	52	11
10	62	68	58	56	56	58	58	57	59		61	67	70	60	49	10
9	58	64	55	53	51	54	54	53	54	57	57	63	65	56	45	9
8	54	59	51	50	46	49	49	49	50		52	58	61	52	41	8
7	49	55	48	47	41	45	45	45	45	49	48	53	57	48	38	7
6	45	51	44	44		41	40	42	41	45		49	52	44	34	6
5	41	47	41	41	31	37	35	38	36	41	39	44	48	40	30	5
4	37	42	37	38		32	31	34	32	37		40	43	36	27	4
3	33	38	34	35	21	28	26		27	32		35	39	32	23	3
2	28	34	30	32	16	24	22	26	23	28		31	34	28	19	2
1	24		27	28	11	20	17	23	18	24				24		1
0				25		16	12	19								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	94	95	100	100	100	100	100	100	100				91	92	19	
18	91	92	100	100	100	100	96	100	100				87	88	18	
17	87	88	100	100	97	100	92	100	96				83	84	17	
16	84	84	98	95	93	97	88	96	91				79	80	16	
15	80	81	92	89	89	93	84	91	86			77	75	76	15	
14	77	77	86	84	84	89	80	86	82	75			71	72	14	
13	73	74	81	79	80	84	76	81	77		72	71	68	69	13	
12	70	70	75	73	76	80	72	77	73	68			64	65	12	
11	67	66	70	68	72	76	67	72	68		65	65	60	61	11	
10	63	63	64	63	68	71	63	67	64	61	62	62	56	57	10	
9	60	59	59	57	64	67	59	63	59	57	58	59	52	53	9	
8	56	55	53	52	60	63	55	58	55	53	55	56	48	49	8	
7	53	52	47	47	56	58	51	53	50	50	52	53	44	45	7	
6	49	48	42	42	52	54	47	49	46	46	48	50	40	41	6	
5	46	45	36	36	48	50	43	44	41	42	45	47	37	37	5	
4	42	41	31	31	43	45	39	39	36	39	42	44	33	33	4	
3	39	37	25	26	39	41	35	34	32	35	38	41	29	29	3	
2	36	34	20	20	35	37	31	30	27	31	35	38	25	25	2	
1	32	30	14	15	31	32	27	25	23	28	31	35	21	21	1	
0	29	27	8	10	27	28		20							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	82		100	100	100	97	93	99	83						19	
18	78	82	100	100	100	93	89	95	79	80				99	18	
17	73	77	100	100	96	89	85	91			93				17	
16	69	73	100	100	92	85	82	87	71		89				16	
15	65	69	99	95	87	81	78	83	67	70	86	75	64	86	15	
14	61	65	94	91	83	77	74	79	63	67	82		61		14	
13	57	60	89	87	79	73	70	75	60	64	78	68		77	13	
12	52	56	84	82	75	70	67	71	56		74	65	56	73	12	
11	48	52	79	78	70	66	63	67	52	57	70	61		68	11	
10	44	47	73	73	66	62	59	63	48	54	67	57	50	64	10	
9	40	43	68	69	62	58	55	59		51	63	54	47	60	9	
8	35	39	63	65	58	54	52	55	40	48	59	50	44	55	8	
7	31	34	58	60	54	50	48	51	36		55	47	42	51	7	
6	27	30	53	56	49	46	44	47	32	41	52	43	39	47	6	
5	23	26	48	52	45	42	40	43	28	38	48	40	36	42	5	
4	18	21	43	47	41	39	37	39	24		44	36	33	38	4	
3	14	17	37	43	37	35	33	35	20	32	40	32	30	34	3	
2	10	13	32	38	32	31	29	31	16		36	29	27	29	2	
1	6	8	27	34	28	27	25	27		25	33	25	24	25	1	
0		4	22	30				23		22	29	22	22		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		98		100		84								19
18	96	100	97	85			100		80								18
17	92	100	93	82	90		100		76	85				80	79		17
16	88	99	89	78	86	79	97		72	80		92		76	75	73	16
15	84	95	85	74	82	75	93		67	76				72	71		15
14	80	90	81	71	78	71	89		63	71		83		68	68	65	14
13	76	86	77	67	74	67	85		59	67	73	79		64	64	61	13
12	72	82	72	64	71	63	80		55	62			58	60	60	57	12
11	69	77	68	60	67	58	76	62	51	57	64	70		56	57	53	11
10	65	73	64	57	63	54	72		47	53	60	65		52	53	49	10
9	61	69	60	53	59	50	68	52	42	48	56	61	44	48	49	45	9
8	57	64	56	49	55	46	64		38	44	52	56		44	46	41	8
7	53	60	52	46	51	42	60	43	34	39	47	52	35	40	42	37	7
6	49	56	47	42	47	38	55		30	35	43	47		36	38	33	6
5	45	51	43	39	43	34	51	33	26	30	39	43	25	32	35	29	5
4	41	47	39	35	39	30	47		22	26	35	39		28	31	25	4
3	37	43	35		35	26	43	24	17	21	30	34	15	24	27		3
2	33	38	31		31	22	39	19	13	17	26	30	11	20			2
1	29	34	27		27	17	34	14	9	12	22	25	6				1
0		30				13	30	9		7	18				16	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		91		100		100				100	100	100	97		19
18	96	100	88				98				98	100	100	93		18
17	92	99	84		93		93			92		100		89		17
16	88	95	80			85	89	82	87			96	98	85		16
15	83	90	77		83		84	78			85					15
14	79	86	73	69	78	76	79	75	78		80	87	89	77		14
13	75	82	70		73		75	71		75		82	85	73	60	13
12	71	78	66	63	68	68	70	67	69		72	78	80		56	12
11	67	73	63	60	63	64	66	63	65	67	67	73	76	65	52	11
10	62	69	59	56	58	60	61	59	60		63	69	72	61	49	10
9	58	65	56	53	53	55	56	55	56	59	58	64	67	57	45	9
8	54	60	52	50	48	51	52	52	51		54	60	63	53	41	8
7	50	56	49	47	43	47	47	48	47	51	49	55	58	49	38	7
6	46	52	45	44		43	43	44	42	46		50	54	45	34	6
5	42	48	42	41	32	38	38	40	38	42	40	46	49	41	30	5
4	37	43	38	38		34	34	36	33	38		41	45	37	27	4
3	33	39	34	35	22	30	29		29	34		37	41	33	23	3
2	29	35	31	32	17	26	24	29	24	30		32	36	29	19	2
1	25		27	29	12	22	20	25	20	26				25		1
0				26		17	15	21								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	95	97	100	100	100	100	100	100	100				92	94	19
18	92	93	100	100	100	100	98	100	100				88	90	18
17	88	89	100	100	99	100	94	100	98				85	86	17
16	85	86	99	96	95	99	90	98	93				81	82	16
15	82	82	94	91	91	95	86	93	89			80	77	78	15
14	78	78	88	86	87	91	81	89	84	78			73	74	14
13	75	75	83	80	83	86	77	84	80		75	74	69	70	13
12	71	71	77	75	79	82	73	79	75	71			65	66	12
11	68	68	71	70	74	78	69	74	71		68	68	61	62	11
10	64	64	66	64	70	73	65	70	66	64	65	65	57	58	10
9	61	60	60	59	66	69	61	65	61	60	61	62	54	54	9
8	57	57	55	54	62	65	57	60	57	57	58	59	50	50	8
7	54	53	49	48	58	60	53	56	52	53	55	56	46	46	7
6	51	49	44	43	54	56	49	51	48	49	51	53	42	42	6
5	47	46	38	38	50	52	45	46	43	46	48	50	38	38	5
4	44	42	32	33	46	47	41	42	39	42	44	47	34	35	4
3	40	39	27	27	42	43	37	37	34	38	41	44	30	31	3
2	37	35	21	22	38	39	33	32	30	35	38	41	26	27	2
1	33	31	16	17	33	35	29	27	25	31	34	38	23	23	1
0	30	28	10	11	29	30		23							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 75-79 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	80		100	100	100	98	94	100	83						19
18	76	81	100	100	100	94	91	97	79	81				100	18
17	72	76	100	100	98	90	87	93			94				17
16	68	72	100	100	94	86	83	89	71		90				16
15	63	68	100	98	89	82	79	85	67	71	87	76	65	87	15
14	59	63	97	93	85	79	76	81	63	68	83		62		14
13	55	59	92	89	81	75	72	77	60	64	79	68		79	13
12	51	55	86	85	77	71	68	73	56		75	65	57	74	12
11	46	50	81	80	73	67	64	69	52	58	72	61		70	11
10	42	46	76	76	68	63	61	65	48	55	68	58	51	66	10
9	38	42	71	71	64	59	57	61		51	64	54	48	61	9
8	34	38	66	67	60	55	53	57	40	48	60	51	45	57	8
7	29	33	61	63	56	51	49	53	36		56	47	42	53	7
6	25	29	56	58	51	48	46	49	32	42	53	44	40	48	6
5	21	25	50	54	47	44	42	46	28	39	49	40	37	44	5
4	17	20	45	50	43	40	38	42	24		45	36	34	40	4
3	13	16	40	45	39	36	34	38	20	32	41	33	31	35	3
2	8	12	35	41	34	32	31	34	16		38	29	28	31	2
1	4	7	30	36	30	28	27	30		26	34	26	25	27	1
0		3	25	32				26		22	30	22	22		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		83								19
18	99	100	99	86			100		78								18
17	95	100	95	83	92		100		74	85				77	79		17
16	91	100	91	79	88	80	100		70	80		93		73	75	73	16
15	88	97	87	76	84	76	95		66	76				69	72		15
14	84	93	83	72	80	72	91		62	71		84		65	68	65	14
13	80	88	78	69	76	68	87		58	67	73	79		61	64	61	13
12	76	84	74	65	72	64	83		54	62			59	57	61	57	12
11	72	80	70	61	68	60	79	62	49	57	64	70		53	57	53	11
10	68	75	66	58	64	56	75		45	53	60	66		49	53	49	10
9	64	71	62	54	60	51	70	53	41	48	56	61	44	45	50	45	9
8	60	67	58	51	57	47	66		37	44	52	57		41	46	41	8
7	56	62	53	47	53	43	62	43	33	39	47	52	35	37	42	37	7
6	52	58	49	44	49	39	58		29	35	43	48		33	39	33	6
5	48	54	45	40	45	35	54	34	24	30	39	44	25	29	35	29	5
4	44	49	41	36	41	31	49		20	26	35	39		25	31	25	4
3	40	45	37		37	27	45	24	16	21	30	35	15	21	28		3
2	36	41	33		33	23	41	19	12	17	26	30	11	17			2
1	32	36	28		29	19	37	15	8	12	22	26	6				1
0		32				15	33	10		7	18				17	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		92		100		100				100	100	100	98		19
18	97	100	88				100				100	100	100	94		18
17	92	100	85		94		96			94		100		90		17
16	88	96	81			87	91	85	89			97	100	86		16
15	84	92	78		84		87	81			86					15
14	80	87	74	69	79	78	82	77	80		82	88	91	78		14
13	76	83	71		74		78	73		77		84	87	74	60	13
12	71	79	67	63	69	70	73	70	71		73	79	82		56	12
11	67	74	63	60	64	66	69	66	67	69	68	75	78	66	52	11
10	63	70	60	57	59	61	64	62	62		64	70	73	62	49	10
9	59	66	56	54	54	57	59	58	58	61	59	66	69	58	45	9
8	55	62	53	51	49	53	55	54	53		55	61	65	54	41	8
7	50	57	49	48	44	49	50	51	49	52	50	56	60	50	38	7
6	46	53	46	44		44	46	47	44	48		52	56	46	34	6
5	42	49	42	41	34	40	41	43	40	44	41	47	51	42	30	5
4	38	44	39	38		36	36	39	35	40		43	47	38	27	4
3	34	40	35	35	24	32	32		31	36		38	42	34	23	3
2	30	36	32	32	19	28	27	32	26	32		34	38	30	19	2
1	25		28	29	14	23	23	28	22	28				26		1
0			26			19	18	24								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	97	98	100	100	100	100	100	100	100				94	95	19
18	93	94	100	100	100	100	99	100	100				90	91	18
17	90	91	100	100	100	100	95	100	100				86	87	17
16	86	87	100	98	97	100	91	100	95				82	83	16
15	83	83	96	93	93	97	87	96	91			83	78	80	15
14	79	80	90	88	89	92	83	91	86	82			74	76	14
13	76	76	85	82	85	88	79	86	82		78	77	71	72	13
12	72	72	79	77	81	84	75	82	77	74			67	68	12
11	69	69	73	72	77	79	71	77	73		71	71	63	64	11
10	66	65	68	66	73	75	67	72	68	67	68	68	59	60	10
9	62	62	62	61	69	71	63	67	64	64	65	65	55	56	9
8	59	58	57	56	65	66	59	63	59	60	61	62	51	52	8
7	55	54	51	50	60	62	55	58	55	56	58	59	47	48	7
6	52	51	46	45	56	58	51	53	50	53	54	56	43	44	6
5	48	47	40	40	52	54	47	49	45	49	51	53	40	40	5
4	45	44	34	34	48	49	43	44	41	45	48	50	36	36	4
3	41	40	29	29	44	45	39	39	36	42	44	47	32	32	3
2	38	36	23	24	40	41	35	35	32	38	41	44	28	28	2
1	35	33	18	19	36	36	31	30	27	34	37	41	24	24	1
0	31	29	12	13	32	32		25							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	80		100	100	100	99	96	100	83						19
18	76	80	100	100	100	95	93	100	79	81				100	18
17	72	75	100	100	100	92	89	96			95				17
16	68	71	100	100	96	88	85	92	71		92				16
15	63	67	100	100	92	84	81	88	67	71	88	76	66	89	15
14	59	62	100	96	88	80	78	84	63	68	84		63		14
13	55	58	95	91	83	76	74	80	60	65	80	69		81	13
12	51	54	89	87	79	72	70	76	56		76	65	57	76	12
11	46	49	84	83	75	68	66	72	52	58	73	62		72	11
10	42	45	79	78	71	64	62	68	48	55	69	58	52	68	10
9	38	41	74	74	66	60	59	64		52	65	55	49	63	9
8	34	36	69	70	62	57	55	60	40	49	61	51	46	59	8
7	29	32	64	65	58	53	51	56	36		58	48	43	55	7
6	25	28	59	61	54	49	47	52	32	42	54	44	40	50	6
5	21	23	53	56	49	45	44	49	28	39	50	40	38	46	5
4	17	19	48	52	45	41	40	45	24		46	37	35	42	4
3	13	15	43	48	41	37	36	41	20	33	42	33	32	37	3
2	8	10	38	43	37	33	32	37	16		39	30	29	33	2
1	4	6	33	39	33	29	29	33		26	35	26	26	29	1
0		2	28	35				29		23	31	23	23		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	100		100		100		100		83								19
18	99	100	100	88			100		78								18
17	95	100	97	84	92		100		74	85				73	79		17
16	91	100	93	81	88	82	100		70	80		93		69	76	73	16
15	88	100	89	77	84	77	98		66	76				65	72		15
14	84	95	85	74	80	73	94		62	71		84		61	68	65	14
13	80	91	80	70	76	69	90		58	67	73	80		57	65	61	13
12	76	87	76	66	72	65	86		54	62			59	53	61	57	12
11	72	82	72	63	68	61	81	63	49	57	64	71		49	57	53	11
10	68	78	68	59	64	57	77		45	53	60	66		45	54	49	10
9	64	74	64	56	60	53	73	53	41	48	56	62	44	41	50	45	9
8	60	69	60	52	57	49	69		37	44	52	57		37	46	41	8
7	56	65	55	49	53	45	65	44	33	39	47	53	35	33	43	37	7
6	52	61	51	45	49	40	61		29	35	43	49		29	39	33	6
5	48	56	47	41	45	36	56	34	24	30	39	44	25	25	35	29	5
4	44	52	43	38	41	32	52		20	26	35	40		21	32	25	4
3	40	47	39		37	28	48	25	16	21	30	35	15	17	28		3
2	36	43	35		33	24	44	20	12	17	26	31	11	13			2
1	32	39	30		29	20	40	15	8	12	22	26	6				1
0		34				16	36	10		7	18				17	9	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 12 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	100		93		100		100				100	100	100	99		19
18	97	100	89				100				100	100	100	95		18
17	93	100	85		95		99			95		100		91		17
16	89	97	82			89	95	88	91			99	100	87		16
15	85	93	78		85		90	84			88					15
14	80	88	75	69	80	80	86	80	82		83	90	93	79		14
13	76	84	71		75		81	77		79		85	89	75	60	13
12	72	80	68	63	70	72	77	73	73		74	81	84		56	12
11	68	76	64	60	65	67	72	69	68	71	70	76	80	67	52	11
10	64	71	61	57	60	63	67	65	64		65	72	75	63	49	10
9	60	67	57	54	55	59	63	61	59	62	61	67	71	59	45	9
8	55	63	54	51	50	55	58	57	55		56	63	67	55	41	8
7	51	59	50	48	45	51	54	54	50	54	52	58	62	51	38	7
6	47	54	47	45		46	49	50	46	50		54	58	47	34	6
5	43	50	43	42	35	42	44	46	41	46	43	49	53	43	30	5
4	39	46	40	39		38	40	42	37	42		45	49	39	27	4
3	34	41	36	36	25	34	35		32	38		40	44	35	23	3
2	30	37	32	32	20	29	31	35	28	34		35	40	32	19	2
1	26		29	29	15	25	26	31	23	29				28		1
0			26			21	22	27								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	98	99	100	100	100	100	100	100	100				95	97	19	
18	94	96	100	100	100	100	100	100	100				92	93	18	
17	91	92	100	100	100	100	97	100	100				88	89	17	
16	88	88	100	100	100	100	93	100	98				84	85	16	
15	84	85	98	95	96	98	89	98	93			85	80	81	15	
14	81	81	93	90	92	94	85	94	89	86			76	77	14	
13	77	78	87	85	88	89	81	89	84		82	80	72	73	13	
12	74	74	81	79	84	85	77	84	80	78			68	69	12	
11	70	70	76	74	79	81	73	79	75		75	74	64	65	11	
10	67	67	70	69	75	76	69	75	71	71	71	71	61	61	10	
9	63	63	65	63	71	72	65	70	66	67	68	68	57	58	9	
8	60	59	59	58	67	68	61	65	62	64	65	65	53	54	8	
7	57	56	54	53	63	63	57	61	57	60	61	62	49	50	7	
6	53	52	48	47	59	59	53	56	52	56	58	59	45	46	6	
5	50	49	43	42	55	55	49	51	48	53	54	56	41	42	5	
4	46	45	37	37	51	50	45	47	43	49	51	53	37	38	4	
3	43	41	31	32	47	46	41	42	39	45	48	50	33	34	3	
2	39	38	26	26	42	42	37	37	34	42	44	47	30	30	2	
1	36	34	20	21	38	38	33	32	30	38	41	44	26	26	1	
0	32	30	15	16	34	33		28							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 20-34 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	84		92	90	83	83	84	86	78						19
18	80	87	87	86	79	79	80	83	75	74				82	18
17	76	82	82	81	75	75	76	79			81				17
16	71	78	77	77	70	71	73	75	67		77				16
15	67	74	72	73	66	67	69	71	63	64	73	71	57	69	15
14	63	69	66	68	62	63	65	67	59	61	70		54		14
13	59	65	61	64	58	59	61	63	55	57	66	63		60	13
12	54	61	56	60	53	55	58	59	51		62	60	48	56	12
11	50	56	51	55	49	52	54	55	47	51	58	56		52	11
10	46	52	46	51	45	48	50	51	43	48	55	53	42	47	10
9	42	48	41	46	41	44	46	47		45	51	49	40	43	9
8	38	44	36	42	37	40	43	43	35	41	47	46	37	39	8
7	33	39	31	38	32	36	39	39	32		43	42	34	34	7
6	29	35	25	33	28	32	35	35	28	35	39	39	31	30	6
5	25	31	20	29	24	28	31	31	24	32	36	35	28	26	5
4	21	26	15	25	20	24	27	27	20		32	31	25	21	4
3	16	22	10	20	15	21	24	23	16	25	28	28	23	17	3
2	12	18	5	16	11	17	20	19	12		24	24	20	12	2
1	8	13	0	11	7	13	16	15		19	21	21	17	8	1
0		9	0	7				11		15	17	17	14		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	81		83		85		86		85								19
18	77	84	79	74			82		80								18
17	73	80	75	70	77		77		76	80				85	72		17
16	69	75	71	66	73	66	73		72	75		85		81	69	69	16
15	65	71	67	63	69	62	69		68	71				77	65		15
14	61	67	62	59	65	58	65		64	66		76		73	61	61	14
13	57	62	58	56	61	54	61		60	62	70	72		69	58	57	13
12	53	58	54	52	57	49	57		55	57			56	65	54	53	12
11	49	54	50	49	53	45	52	56	51	53	62	63		61	50	49	11
10	45	49	46	45	49	41	48		47	48	58	58		57	47	45	10
9	41	45	42	42	45	37	44	47	43	44	53	54	41	53	43	41	9
8	37	41	37	38	41	33	40		39	39	49	49		49	39	37	8
7	33	36	33	34	38	29	36	37	35	34	45	45	32	45	36	33	7
6	29	32	29	31	34	25	32		31	30	41	40		41	32	29	6
5	25	28	25	27	30	21	27	28	26	25	37	36	22	37	28	25	5
4	21	23	21	24	26	17	23		22	21	32	31		33	25	21	4
3	17	19	17		22	13	19	18	18	16	28	27	13	29	21		3
2	13	15	12		18	8	15	14	14	12	24	23	8	25			2
1	9	10	8		14	4	11	9	10	7	20	18	3				1
0		6				0	6	4		3	15				10	6	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	92		82		91		83				90	93	93	85		19
18	88	90	79				78				85	89	89	81		18
17	84	86	75		81		74			76		84		77		17
16	80	82	72			66	69	64	70			80	80	73		16
15	76	77	68		70		64	60			72					15
14	71	73	65	65	65	58	60	56	61		67	71	71	65		14
13	67	69	61		60		55	53		59		66	66	61	60	13
12	63	65	57	59	55	50	51	49	52		58	62	62		56	12
11	59	60	54	56	50	45	46	45	47	51	54	57	58	53	52	11
10	55	56	50	53	45	41	41	41	43		49	53	53	49	49	10
9	50	52	47	50	40	37	37	37	38	43	45	48	49	45	45	9
8	46	47	43	47	35	33	32	34	34		40	44	44	41	41	8
7	42	43	40	44	30	28	28	30	29	35	36	39	40	37	38	7
6	38	39	36	40		24	23	26	25	31		35	35	33	34	6
5	34	35	33	37	20	20	19	22	20	26	27	30	31	29	30	5
4	30	30	29	34		16	14	18	16	22		25	27	25	27	4
3	25	26	26	31	10	12	9		11	18		21	22	21	23	3
2	21	22	22	28	5	7	5	11	7	14		16	18	17	19	2
1	17		19	25	0	3	0	7	2	10				13		1
0				22		0	0	3								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	83	84	100	100	84	89	84	89	86				78	79	19
18	80	80	100	99	80	85	80	85	81				74	75	18
17	76	77	97	94	76	80	76	80	77				70	71	17
16	73	73	91	88	72	76	72	75	72				66	67	16
15	70	69	86	83	68	72	67	71	68			59	63	63	15
14	66	66	80	78	64	67	63	66	63	58			59	59	14
13	63	62	74	72	60	63	59	61	58		57	53	55	55	13
12	59	58	69	67	56	59	55	57	54	50			51	51	12
11	56	55	63	62	51	54	51	52	49		50	47	47	47	11
10	52	51	58	56	47	50	47	47	45	43	47	44	43	43	10
9	49	48	52	51	43	46	43	42	40	39	43	41	39	39	9
8	45	44	47	46	39	42	39	38	36	36	40	38	35	36	8
7	42	40	41	40	35	37	35	33	31	32	36	35	32	32	7
6	39	37	35	35	31	33	31	28	27	28	33	32	28	28	6
5	35	33	30	30	27	29	27	24	22	25	30	29	24	24	5
4	32	30	24	24	23	24	23	19	18	21	26	26	20	20	4
3	28	26	19	19	19	20	19	14	13	17	23	23	16	16	3
2	25	22	13	14	14	16	15	10	8	14	19	20	12	12	2
1	21	19	8	9	10	11	11	5	4	10	16	17	8	8	1
0	18	15	2	3	6	7		0							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	82		98	95	87	85	84	87	78						19
18	78	85	93	90	83	81	81	83	75	75				85	18
17	74	80	87	86	79	77	77	79			83				17
16	70	76	82	82	75	73	73	75	67		79				16
15	66	72	77	77	70	70	69	72	63	65	76	71	58	72	15
14	61	67	72	73	66	66	66	68	59	62	72		55		14
13	57	63	67	69	62	62	62	64	55	58	68	64		64	13
12	53	59	62	64	58	58	58	60	51		64	61	50	59	12
11	49	54	57	60	53	54	54	56	47	52	61	57		55	11
10	44	50	51	55	49	50	51	52	43	49	57	54	44	51	10
9	40	46	46	51	45	46	47	48		46	53	50	41	46	9
8	36	41	41	47	41	42	43	44	35	42	49	46	38	42	8
7	32	37	36	42	36	38	39	40	32		45	43	36	38	7
6	27	33	31	38	32	35	36	36	28	36	42	39	33	33	6
5	23	28	26	34	28	31	32	32	24	33	38	36	30	29	5
4	19	24	21	29	24	27	28	28	20		34	32	27	25	4
3	15	20	15	25	20	23	24	24	16	26	30	29	24	20	3
2	10	15	10	21	15	19	21	20	12		27	25	21	16	2
1	6	11	5	16	11	15	17	16		20	23	21	18	11	1
0		7	0	12				12		16	19	18	16		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	84		87		86		91		83								19
18	80	92	83	76			87		79								18
17	76	87	79	73	78		82		75	80				85	73		17
16	72	83	74	69	74	68	78		71	75		85		81	69	69	16
15	68	79	70	65	70	64	74		67	71				77	66		15
14	64	74	66	62	66	60	70		62	66		76		73	62	61	14
13	60	70	62	58	62	56	66		58	62	70	71		69	58	57	13
12	56	66	58	55	58	52	62		54	57			56	65	55	53	12
11	52	61	54	51	54	48	57	57	50	53	62	62		61	51	49	11
10	48	57	49	48	50	44	53		46	48	58	58		57	47	45	10
9	44	53	45	44	46	40	49	48	42	44	53	53	41	53	44	41	9
8	40	48	41	40	42	35	45		38	39	49	49		49	40	37	8
7	36	44	37	37	38	31	41	38	33	34	45	44	32	45	36	33	7
6	32	40	33	33	34	27	36		29	30	41	40		41	33	29	6
5	28	35	29	30	30	23	32	29	25	25	36	35	22	37	29	25	5
4	24	31	24	26	26	19	28		21	21	32	31		33	25	21	4
3	20	27	20		22	15	24	19	17	16	28	27	13	29	22		3
2	16	22	16		18	11	20	14	13	12	24	22	8	25			2
1	12	18	12		15	7	16	10	8	7	20	18	3				1
0		14				3	11	5		3	15				11	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	94		84		93		85				93	96	97	87		19
18	89	92	80				81				88	92	92	83		18
17	85	88	77		83		76			79		87		79		17
16	81	84	73			70	71	66	73			83	83	75		16
15	77	80	69		73		67	63			75					15
14	73	75	66	66	68	61	62	59	64		70	74	75	67		14
13	68	71	62		63		58	55		63		69	70	63	60	13
12	64	67	59	60	58	53	53	51	55		61	65	66		56	12
11	60	62	55	57	53	49	49	47	51	55	57	60	61	55	52	11
10	56	58	52	53	48	45	44	44	46		52	56	57	51	49	10
9	52	54	48	50	43	40	39	40	42	46	48	51	52	47	45	9
8	47	50	45	47	38	36	35	36	37		43	47	48	43	41	8
7	43	45	41	44	33	32	30	32	33	38	39	42	44	40	38	7
6	39	41	38	41		28	26	28	28	34		38	39	36	34	6
5	35	37	34	38	23	23	21	25	24	30	30	33	35	32	30	5
4	31	32	31	35		19	16	21	19	26		29	30	28	27	4
3	27	28	27	32	12	15	12		15	22		24	26	24	23	3
2	22	24	24	29	7	11	7	13	10	17		19	21	20	19	2
1	18		20	26	2	7	3	9	6	13				16		1
0				23		2	0	5								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	86	86	100	100	89	93	87	94	90				81	82	19	
18	82	83	100	100	85	89	83	90	86				77	78	18	
17	79	79	97	94	81	84	79	85	81				73	74	17	
16	75	76	92	89	77	80	75	80	77				69	70	16	
15	72	72	86	84	73	76	71	75	72			61	66	66	15	
14	68	68	81	78	68	71	67	71	68	60			62	62	14	
13	65	65	75	73	64	67	63	66	63		57	55	58	58	13	
12	62	61	70	68	60	63	59	61	58	53			54	54	12	
11	58	57	64	62	56	58	55	57	54		51	49	50	51	11	
10	55	54	58	57	52	54	51	52	49	46	47	46	46	47	10	
9	51	50	53	52	48	50	47	47	45	42	44	43	42	43	9	
8	48	47	47	46	44	45	43	43	40	39	40	40	38	39	8	
7	44	43	42	41	40	41	39	38	36	35	37	37	35	35	7	
6	41	39	36	36	36	37	35	33	31	31	34	34	31	31	6	
5	37	36	31	31	31	32	31	28	27	28	30	31	27	27	5	
4	34	32	25	25	27	28	27	24	22	24	27	28	23	23	4	
3	31	28	19	20	23	24	22	19	18	20	23	25	19	19	3	
2	27	25	14	15	19	20	18	14	13	17	20	22	15	15	2	
1	24	21	8	9	15	15	14	10	8	13	17	19	11	11	1	
0	20	18	3	4	11	11		5							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	82		100	97	89	86	85	88	78						19
18	78	83	95	93	85	82	81	84	75	75				87	18
17	74	79	90	88	81	78	77	80			84				17
16	70	75	85	84	77	75	74	76	67		80				16
15	66	70	80	80	72	71	70	72	63	65	77	72	58	74	15
14	61	66	75	75	68	67	66	68	59	62	73		55		14
13	57	62	70	71	64	63	62	64	55	59	69	65		65	13
12	53	58	64	67	60	59	59	60	51		65	61	50	61	12
11	49	53	59	62	56	55	55	56	47	52	62	58		57	11
10	44	49	54	58	51	51	51	52	43	49	58	54	44	52	10
9	40	45	49	53	47	47	47	48		46	54	50	41	48	9
8	36	40	44	49	43	44	43	44	35	43	50	47	38	44	8
7	32	36	39	45	39	40	40	40	32		46	43	35	39	7
6	27	32	34	40	34	36	36	37	28	36	43	40	33	35	6
5	23	27	29	36	30	32	32	33	24	33	39	36	30	31	5
4	19	23	23	32	26	28	28	29	20		35	33	27	26	4
3	15	19	18	27	22	24	25	25	16	27	31	29	24	22	3
2	10	14	13	23	17	20	21	21	12		28	25	21	18	2
1	6	10	8	18	13	16	17	17		20	24	22	18	13	1
0		6	3	14				13		17	20	18	15		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	84		89		86		93		83								19
18	80	94	85	76			89		79								18
17	76	90	80	73	78		85		75	80				85	73		17
16	72	85	76	69	74	70	81		71	75		85		81	70	69	16
15	68	81	72	66	70	65	77		67	71				77	66		15
14	64	77	68	62	66	61	72		62	66		76		73	62	61	14
13	60	72	64	59	62	57	68		58	62	70	72		69	59	57	13
12	56	68	60	55	58	53	64		54	57			56	65	55	53	12
11	52	64	55	51	54	49	60	58	50	53	62	63		61	51	49	11
10	48	59	51	48	50	45	56		46	48	58	58		57	48	45	10
9	44	55	47	44	46	41	51	48	42	44	53	54	42	53	44	41	9
8	40	51	43	41	42	37	47		38	39	49	49		49	40	37	8
7	36	46	39	37	38	33	43	39	33	34	45	45	32	45	37	33	7
6	32	42	35	34	34	28	39		29	30	41	40		41	33	29	6
5	28	38	30	30	30	24	35	29	25	25	36	36	22	37	29	25	5
4	24	33	26	26	26	20	31		21	21	32	31		33	26	21	4
3	20	29	22		22	16	26	20	17	16	28	27	13	29	22		3
2	16	25	18		18	12	22	15	13	12	24	22	8	25			2
1	12	20	14		15	8	18	10	8	7	20	18	3				1
0		16				4	14	5		3	15				11	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	94		84		92		87				94	98	99	88		19
18	90	94	81				82				89	93	94	84		18
17	86	89	77		82		78			81		89		81		17
16	82	85	74			72	73	68	75			84	85	77		16
15	77	81	70		72		68	64			76					15
14	73	76	67	66	67	63	64	60	66		72	75	76	69		14
13	69	72	63		62		59	56		65		71	72	65	60	13
12	65	68	60	60	57	55	55	53	57		63	66	68		56	12
11	61	64	56	57	52	51	50	49	52	56	58	62	63	57	52	11
10	56	59	53	54	47	46	46	45	48		54	57	59	53	49	10
9	52	55	49	51	42	42	41	41	43	48	49	53	54	49	45	9
8	48	51	45	48	37	38	36	37	39		45	48	50	45	41	8
7	44	46	42	44	32	34	32	34	34	40	40	44	45	41	38	7
6	40	42	38	41		29	27	30	30	36		39	41	37	34	6
5	35	38	35	38	22	25	23	26	25	32	31	35	37	33	30	5
4	31	34	31	35		21	18	22	21	27		30	32	29	27	4
3	27	29	28	32	12	17	13		16	23		25	28	25	23	3
2	23	25	24	29	7	13	9	15	12	19		21	23	21	19	2
1	19		21	26	2	8	4	11	7	15				17		1
0				23		4	0	7								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	87	88	100	100	91	95	89	97	92				83	84	19
18	83	84	100	100	87	91	85	92	88				79	80	18
17	80	80	98	95	83	87	81	87	83				75	76	17
16	77	77	92	89	79	82	77	83	79				71	72	16
15	73	73	87	84	75	78	73	78	74			63	67	68	15
14	70	70	81	79	71	74	69	73	70	62			63	64	14
13	66	66	76	74	67	69	65	68	65		59	57	59	60	13
12	63	62	70	68	63	65	61	64	61	55			55	56	12
11	59	59	65	63	58	61	57	59	56		52	51	52	52	11
10	56	55	59	58	54	56	53	54	52	48	49	48	48	48	10
9	52	51	53	52	50	52	49	50	47	44	45	45	44	44	9
8	49	48	48	47	46	48	45	45	42	40	42	42	40	40	8
7	46	44	42	42	42	43	41	40	38	37	38	39	36	36	7
6	42	41	37	36	38	39	36	36	33	33	35	36	32	32	6
5	39	37	31	31	34	35	32	31	29	29	32	33	28	28	5
4	35	33	26	26	30	31	28	26	24	26	28	30	24	24	4
3	32	30	20	20	26	26	24	21	20	22	25	27	20	20	3
2	28	26	14	15	22	22	20	17	15	18	21	24	17	17	2
1	25	23	9	10	17	18	16	12	11	15	18	21	13	13	1
0	21	19	3	4	13	13		7							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	81		100	99	91	87	85	89	78						19
18	77	82	98	95	87	84	82	85	75	76				89	18
17	72	78	93	91	83	80	78	81			85				17
16	68	74	88	86	79	76	74	77	67		82				16
15	64	69	83	82	75	72	70	73	63	66	78	72	59	76	15
14	60	65	77	78	70	68	67	69	59	63	74		56		14
13	55	61	72	73	66	64	63	65	55	59	70	65		67	13
12	51	56	67	69	62	60	59	61	51		66	61	50	63	12
11	47	52	62	65	58	56	55	57	47	53	63	58		58	11
10	43	48	57	60	53	53	52	53	43	50	59	54	45	54	10
9	38	43	52	56	49	49	48	49		47	55	51	42	50	9
8	34	39	47	51	45	45	44	45	35	43	51	47	39	45	8
7	30	35	42	47	41	41	40	41	32		48	44	36	41	7
6	26	31	36	43	36	37	37	37	28	37	44	40	33	37	6
5	22	26	31	38	32	33	33	33	24	34	40	37	30	32	5
4	17	22	26	34	28	29	29	29	20		36	33	28	28	4
3	13	18	21	30	24	25	25	25	16	27	32	29	25	24	3
2	9	13	16	25	20	22	22	22	12		29	26	22	19	2
1	5	9	11	21	15	18	18	18		21	25	22	19	15	1
0		5	6	16				14		17	21	19	16		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	87		91		88		96		82								19
18	83	96	86	78			92		78								18
17	79	92	82	74	80		87		74	80				85	74		17
16	75	88	78	71	76	71	83		69	75		86		81	70	69	16
15	71	83	74	67	72	67	79		65	71				77	66		15
14	67	79	70	63	68	63	75		61	66		77		73	63	61	14
13	63	75	66	60	64	58	71		57	62	70	72		69	59	57	13
12	59	70	61	56	60	54	66		53	57			56	65	55	53	12
11	55	66	57	53	56	50	62	58	49	53	62	63		61	52	49	11
10	51	62	53	49	52	46	58		44	48	58	59		57	48	45	10
9	47	57	49	46	48	42	54	49	40	44	53	54	42	53	44	41	9
8	43	53	45	42	44	38	50		36	39	49	50		49	41	37	8
7	39	49	41	38	40	34	46	39	32	34	45	45	32	45	37	33	7
6	35	44	36	35	36	30	41		28	30	41	41		41	33	29	6
5	31	40	32	31	32	26	37	30	24	25	36	36	22	37	30	25	5
4	27	36	28	28	28	21	33		20	21	32	32		33	26	21	4
3	23	31	24		24	17	29	20	15	16	28	28	13	29	22		3
2	19	27	20		20	13	25	15	11	12	24	23	8	25			2
1	15	22	16		16	9	21	11	7	7	20	19	3				1
0		18				5	16	6		3	15				12	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	95		85		94		89				95	100	100	90		19
18	91	95	82				84				91	95	96	86		18
17	86	90	78		83		79			83		90		82		17
16	82	86	74			73	75	69	77			86	87	78		16
15	78	82	71		73		70	66			77					15
14	74	77	67	66	68	65	66	62	68		73	77	78	70		14
13	70	73	64		63		61	58		66		72	74	66	60	13
12	65	69	60	60	58	57	56	54	59		64	68	69		56	12
11	61	65	57	57	53	52	52	50	54	58	59	63	65	58	52	11
10	57	60	53	54	48	48	47	47	50		55	59	61	54	49	10
9	53	56	50	51	43	44	43	43	45	50	50	54	56	50	45	9
8	49	52	46	48	38	40	38	39	41		46	50	52	46	41	8
7	44	48	43	45	33	35	34	35	36	42	41	45	47	42	38	7
6	40	43	39	42		31	29	31	32	37		41	43	38	34	6
5	36	39	36	39	23	27	24	28	27	33	32	36	38	34	30	5
4	32	35	32	36		23	20	24	23	29		32	34	30	27	4
3	28	30	28	32	13	19	15		18	25		27	30	26	23	3
2	24	26	25	29	8	14	11	16	13	21		22	25	22	19	2
1	19		21	26	3	10	6	12	9	17				18		1
0				23		6	1	8								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	88	89	100	100	94	98	91	99	95				84	85	19	
18	85	85	100	100	90	94	87	94	90				80	81	18	
17	81	82	99	95	85	89	83	90	86				76	77	17	
16	78	78	93	90	81	85	79	85	81				72	73	16	
15	74	74	88	85	77	81	75	80	77			65	69	69	15	
14	71	71	82	80	73	76	71	76	72	64			65	65	14	
13	67	67	76	74	69	72	67	71	67		61	59	61	62	13	
12	64	64	71	69	65	68	63	66	63	57			57	58	12	
11	61	60	65	64	61	63	59	61	58		54	53	53	54	11	
10	57	56	60	58	57	59	55	57	54	50	50	50	49	50	10	
9	54	53	54	53	53	55	50	52	49	46	47	47	45	46	9	
8	50	49	49	48	48	50	46	47	45	42	44	44	41	42	8	
7	47	46	43	42	44	46	42	43	40	39	40	41	37	38	7	
6	43	42	37	37	40	42	38	38	36	35	37	38	34	34	6	
5	40	38	32	32	36	37	34	33	31	31	34	35	30	30	5	
4	36	35	26	26	32	33	30	29	27	28	30	32	26	26	4	
3	33	31	21	21	28	29	26	24	22	24	27	29	22	22	3	
2	30	27	15	16	24	24	22	19	17	20	23	27	18	18	2	
1	26	24	10	10	20	20	18	14	13	17	20	24	14	14	1	
0	23	20	4	5	16	16		10							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	81		100	100	94	89	86	90	78						19
18	77	81	100	97	89	85	82	86	75	76				90	18
17	72	77	96	93	85	81	78	82			86				17
16	68	73	91	89	81	77	75	78	67		83				16
15	64	68	85	84	77	73	71	74	63	66	79	73	60	77	15
14	60	64	80	80	72	69	67	70	59	63	75		57		14
13	55	60	75	76	68	65	63	66	55	60	71	65		69	13
12	51	55	70	71	64	62	60	62	51		67	62	51	64	12
11	47	51	65	67	60	58	56	58	47	53	64	58		60	11
10	43	47	60	62	55	54	52	54	43	50	60	55	46	56	10
9	38	42	55	58	51	50	48	50		47	56	51	43	51	9
8	34	38	49	54	47	46	45	46	35	44	52	48	40	47	8
7	30	34	44	49	43	42	41	42	32		49	44	37	43	7
6	26	29	39	45	39	38	37	38	28	37	45	40	34	38	6
5	22	25	34	41	34	34	33	34	24	34	41	37	31	34	5
4	17	21	29	36	30	30	30	31	20		37	33	28	30	4
3	13	16	24	32	26	27	26	27	16	28	34	30	26	25	3
2	9	12	19	28	22	23	22	23	12		30	26	23	21	2
1	5	8	13	23	17	19	18	19		21	26	23	20	17	1
0		3	8	19				15		18	22	19	17		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	87		92		88		98		82								19
18	83	99	88	79			94		78								18
17	79	94	84	75	80		90		74	80				84	74		17
16	75	90	80	72	76	72	86		69	75		86		80	70	69	16
15	71	86	76	68	72	68	81		65	71				76	67		15
14	67	81	72	65	68	64	77		61	66		77		72	63	61	14
13	63	77	67	61	64	60	73		57	62	70	73		68	59	57	13
12	59	73	63	58	60	56	69		53	57			56	64	56	53	12
11	55	68	59	54	56	51	65	59	49	53	62	64		60	52	49	11
10	51	64	55	50	52	47	61		44	48	58	59		56	48	45	10
9	47	60	51	47	48	43	56	49	40	44	53	55	42	52	45	41	9
8	43	55	47	43	44	39	52		36	39	49	50		48	41	37	8
7	39	51	42	40	40	35	48	40	32	34	45	46	32	44	37	33	7
6	35	46	38	36	36	31	44		28	30	41	42		40	34	29	6
5	31	42	34	33	32	27	40	30	24	25	36	37	22	36	30	25	5
4	27	38	30	29	28	23	36		20	21	32	33		32	26	21	4
3	23	33	26		24	19	31	21	15	16	28	28	13	28	23		3
2	19	29	22		20	14	27	16	11	12	24	24	8	24			2
1	15	25	17		16	10	23	11	7	7	20	19	3				1
0		20				6	19	6		3	15				12	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	95		86		95		90				97	100	100	91		19
18	91	96	82				86				92	96	98	87		18
17	87	91	79		85		81			84		92		83		17
16	83	87	75			75	77	71	78			87	89	79		16
15	79	83	72		75		72	67			79					15
14	74	79	68	67	70	67	68	64	69		74	78	80	71		14
13	70	74	65		65		63	60		68		74	76	67	60	13
12	66	70	61	61	59	58	58	56	60		65	69	71		56	12
11	62	66	57	57	54	54	54	52	56	60	61	65	67	59	52	11
10	58	61	54	54	49	50	49	48	51		56	60	62	55	49	10
9	53	57	50	51	44	46	45	44	47	51	52	56	58	51	45	9
8	49	53	47	48	39	41	40	41	42		47	51	53	47	41	8
7	45	49	43	45	34	37	35	37	38	43	43	47	49	43	38	7
6	41	44	40	42		33	31	33	33	39		42	45	39	34	6
5	37	40	36	39	24	29	26	29	29	35	34	38	40	35	30	5
4	32	36	33	36		25	22	25	24	31		33	36	31	27	4
3	28	31	29	33	14	20	17		20	27		28	31	27	23	3
2	24	27	26	30	9	16	13	18	15	23		24	27	23	19	2
1	20		22	27	4	12	8	14	11	18				19		1
0			24			8	3	10								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	89	90	100	100	96	100	93	100	97				86	87	19	
18	86	87	100	100	92	96	89	97	92				82	83	18	
17	82	83	100	96	88	92	85	92	88				78	79	17	
16	79	79	94	91	84	88	81	87	83				74	75	16	
15	76	76	88	86	80	83	77	83	79			68	70	71	15	
14	72	72	83	80	75	79	73	78	74	66			66	67	14	
13	69	69	77	75	71	75	68	73	70		63	62	62	63	13	
12	65	65	72	70	67	70	64	69	65	59			58	59	12	
11	62	61	66	64	63	66	60	64	61		56	56	55	55	11	
10	58	58	61	59	59	62	56	59	56	52	53	53	51	51	10	
9	55	54	55	54	55	57	52	54	52	48	49	50	47	47	9	
8	51	50	49	48	51	53	48	50	47	44	46	47	43	43	8	
7	48	47	44	43	47	49	44	45	42	41	43	44	39	39	7	
6	44	43	38	38	43	44	40	40	38	37	39	41	35	35	6	
5	41	40	33	33	39	40	36	36	33	34	36	38	31	31	5	
4	38	36	27	27	34	36	32	31	29	30	32	35	27	28	4	
3	34	32	22	22	30	31	28	26	24	26	29	32	23	24	3	
2	31	29	16	17	26	27	24	22	20	23	26	29	20	20	2	
1	27	25	10	11	22	23	20	17	15	19	22	26	16	16	1	
0	24	21	5	6	18	18		12							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 55-59 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	79		100	100	96	90	87	91	79						19
18	75	80	100	100	91	86	83	87	75	77				92	18
17	71	76	98	95	87	82	79	83			87				17
16	66	72	93	91	83	78	76	79	67		84				16
15	62	67	88	87	79	74	72	75	63	67	80	73	61	79	15
14	58	63	83	82	74	70	68	71	60	64	76		58		14
13	54	59	78	78	70	67	64	67	56	60	72	66		70	13
12	50	54	73	74	66	63	61	63	52		69	62	52	66	12
11	45	50	68	69	62	59	57	60	48	54	65	59		62	11
10	41	46	62	65	58	55	53	56	44	51	61	55	46	57	10
9	37	41	57	60	53	51	49	52		48	57	52	43	53	9
8	33	37	52	56	49	47	46	48	36	44	53	48	41	49	8
7	28	33	47	52	45	43	42	44	32		50	44	38	44	7
6	24	28	42	47	41	39	38	40	28	38	46	41	35	40	6
5	20	24	37	43	36	36	34	36	24	35	42	37	32	36	5
4	16	20	32	39	32	32	30	32	20		38	34	29	31	4
3	11	15	27	34	28	28	27	28	17	28	35	30	26	27	3
2	7	11	21	30	24	24	23	24	13		31	27	24	23	2
1	3	7	16	25	19	20	19	20		22	27	23	21	18	1
0		2	11	21				16		18	23	19	18		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		94		91		100		81								19
18	86	98	90	80			97		76								18
17	82	94	86	77	83		92		72	80				82	74		17
16	78	89	82	73	79	73	88		68	75		87		78	71	69	16
15	74	85	78	70	75	69	84		64	71				74	67		15
14	70	80	73	66	71	65	80		60	66		78		70	63	61	14
13	66	76	69	62	67	61	76		56	62	70	73		66	60	57	13
12	62	72	65	59	63	57	71		51	57			56	62	56	53	12
11	58	67	61	55	59	53	67	59	47	53	62	65		58	52	49	11
10	54	63	57	52	55	49	63		43	48	58	60		54	49	45	10
9	50	59	53	48	51	44	59	50	39	44	53	56	42	50	45	41	9
8	46	54	48	45	47	40	55		35	39	49	51		46	41	37	8
7	42	50	44	41	43	36	51	40	31	34	45	47	32	42	38	33	7
6	38	46	40	37	39	32	46		27	30	41	42		38	34	29	6
5	34	41	36	34	35	28	42	31	22	25	36	38	23	34	30	25	5
4	30	37	32	30	31	24	38		18	21	32	33		30	27	21	4
3	26	33	28		27	20	34	21	14	16	28	29	13	26	23		3
2	23	28	23		23	16	30	16	10	12	24	24	8	22			2
1	19	24	19		19	12	26	12	6	7	20	20	3				1
0		20				7	21	7		3	15				12	5	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	96		87		96		93				98	100	100	92		19
18	92	97	83				88				94	98	100	88		18
17	88	93	79		86		83			86		93		84		17
16	83	88	76			77	79	73	80			89	91	80		16
15	79	84	72		76		74	69			80					15
14	75	80	69	67	71	69	70	65	71		76	80	82	72		14
13	71	75	65		66		65	62		70		75	77	68	60	13
12	67	71	62	61	61	60	60	58	62		67	71	73		56	12
11	62	67	58	58	56	56	56	54	57	61	62	66	69	60	52	11
10	58	63	55	55	51	52	51	50	53		58	62	64	56	49	10
9	54	58	51	52	46	47	47	46	48	53	53	57	60	52	45	9
8	50	54	48	48	41	43	42	43	44		49	53	55	48	41	8
7	46	50	44	45	36	39	38	39	39	45	44	48	51	44	38	7
6	41	45	41	42		35	33	35	35	41		44	46	40	34	6
5	37	41	37	39	25	31	28	31	30	37	35	39	42	36	30	5
4	33	37	33	36		26	24	27	26	33		35	38	32	27	4
3	29	33	30	33	15	22	19		21	28		30	33	28	23	3
2	25	28	26	30	10	18	15	20	17	24		25	29	24	19	2
1	20		23	27	5	14	10	16	12	20				20		1
0				24		9	5	12								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	91	92	100	100	98	100	95	100	99				87	88	19	
18	87	88	100	100	94	99	91	99	95				83	84	18	
17	84	84	100	97	90	95	87	94	90				79	80	17	
16	80	81	95	92	86	90	82	90	86				75	77	16	
15	77	77	89	87	82	86	78	85	81			71	72	73	15	
14	73	73	84	81	78	82	74	80	76	69			68	69	14	
13	70	70	78	76	74	77	70	76	72		65	65	64	65	13	
12	66	66	73	71	70	73	66	71	67	62			60	61	12	
11	63	63	67	65	66	69	62	66	63		59	59	56	57	11	
10	59	59	62	60	61	64	58	62	58	54	55	56	52	53	10	
9	56	55	56	55	57	60	54	57	54	51	52	53	48	49	9	
8	53	52	51	50	53	56	50	52	49	47	48	50	44	45	8	
7	49	48	45	44	49	51	46	47	45	43	45	47	40	41	7	
6	46	44	39	39	45	47	42	43	40	40	42	44	37	37	6	
5	42	41	34	34	41	43	38	38	36	36	38	41	33	33	5	
4	39	37	28	28	37	38	34	33	31	32	35	38	29	29	4	
3	35	34	23	23	33	34	30	29	26	29	32	35	25	25	3	
2	32	30	17	18	29	30	26	24	22	25	28	32	21	21	2	
1	28	26	12	12	24	25	22	19	17	21	25	29	17	17	1	
0	25	23	6	7	20	21		15							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 60-64 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	79		100	100	98	91	88	93	79						19
18	75	79	100	100	93	87	84	89	75	77				94	18
17	71	75	100	98	89	83	80	85			89				17
16	66	70	96	93	85	79	77	81	67		85				16
15	62	66	91	89	81	76	73	77	63	67	81	73	61	81	15
14	58	62	86	85	77	72	69	73	60	64	77		58		14
13	54	57	81	80	72	68	65	69	56	61	73	66		72	13
12	50	53	75	76	68	64	61	65	52		70	63	53	68	12
11	45	49	70	72	64	60	58	61	48	54	66	59		63	11
10	41	45	65	67	60	56	54	57	44	51	62	56	47	59	10
9	37	40	60	63	55	52	50	53		48	58	52	44	55	9
8	33	36	55	58	51	48	46	49	36	45	55	48	41	50	8
7	28	32	50	54	47	45	43	45	32		51	45	39	46	7
6	24	27	45	50	43	41	39	41	28	38	47	41	36	42	6
5	20	23	40	45	38	37	35	37	24	35	43	38	33	37	5
4	16	19	34	41	34	33	31	33	20		39	34	30	33	4
3	11	14	29	37	30	29	28	29	17	29	36	31	27	29	3
2	7	10	24	32	26	25	24	25	13		32	27	24	24	2
1	3	6	19	28	22	21	20	21		22	28	23	22	20	1
0		1	14	23				17		19	24	20	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCR N	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		96		91		100		81								19
18	86	100	92	82			99		76								18
17	82	96	88	78	83		95		72	80				81	75		17
16	78	91	84	74	79	74	91		68	75		87		77	71	69	16
15	74	87	79	71	75	70	86		64	71				73	67		15
14	70	83	75	67	71	66	82		60	66		79		69	64	61	14
13	66	78	71	64	67	62	78		56	62	70	74		65	60	57	13
12	62	74	67	60	63	58	74		51	57			56	61	56	53	12
11	58	70	63	57	59	54	70	60	47	53	62	65		57	53	49	11
10	54	65	59	53	55	50	66		43	48	58	61		53	49	45	10
9	50	61	54	49	51	46	61	50	39	44	53	56	42	49	45	41	9
8	46	57	50	46	47	42	57		35	39	49	52		45	42	37	8
7	42	52	46	42	43	37	53	41	31	34	45	47	32	41	38	33	7
6	38	48	42	39	39	33	49		27	30	41	43		37	34	29	6
5	34	44	38	35	35	29	45	31	22	25	36	38	23	33	31	25	5
4	30	39	34	32	31	25	41		18	21	32	34		29	27	21	4
3	26	35	29		27	21	36	22	14	16	28	29	13	25	24		3
2	23	31	25		23	17	32	17	10	12	24	25	8	21			2
1	19	26	21		19	13	28	12	6	7	19	21	3				1
0		22				9	24	7		3	15				13	5	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	96		87		99		95				100	100	100	93		19
18	92	98	84				90				95	99	100	89		18
17	88	94	80		89		86			88		95		85		17
16	84	89	77			79	81	75	82			90	93	81		16
15	80	85	73		79		77	71			82					15
14	76	81	70	67	74	70	72	68	73		77	81	84	73		14
13	71	76	66		69		67	64		71		77	79	69	60	13
12	67	72	62	61	64	62	63	60	64		68	72	75		56	12
11	63	68	59	58	59	58	58	56	59	63	64	68	70	61	52	11
10	59	64	55	55	54	53	54	52	55		59	63	66	57	49	10
9	55	59	52	52	49	49	49	49	50	55	55	59	62	53	45	9
8	50	55	48	49	44	45	44	45	46		50	54	57	49	41	8
7	46	51	45	46	39	41	40	41	41	47	46	50	53	45	38	7
6	42	47	41	43		37	35	37	37	42		45	48	41	34	6
5	38	42	38	40	29	32	31	33	32	38	37	41	44	38	30	5
4	34	38	34	36		28	26	30	27	34		36	39	34	27	4
3	29	34	31	33	19	24	22		23	30		32	35	30	23	3
2	25	29	27	30	14	20	17	22	18	26		27	31	26	19	2
1	21		24	27	9	15	12	18	14	22				22		1
0			24			11	8	14								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	92	93	100	100	100	100	96	100	100				89	90	19
18	88	89	100	100	97	100	92	100	97				85	86	18
17	85	86	100	99	92	97	88	97	92				81	82	17
16	81	82	96	93	88	93	84	92	88				77	78	16
15	78	78	91	88	84	88	80	87	83			73	73	74	15
14	74	75	85	83	80	84	76	83	79	72			69	70	14
13	71	71	80	77	76	80	72	78	74		68	67	65	66	13
12	68	67	74	72	72	76	68	73	70	64			61	62	12
11	64	64	68	67	68	71	64	69	65		61	61	57	58	11
10	61	60	63	61	64	67	60	64	61	57	58	58	54	54	10
9	57	57	57	56	60	63	56	59	56	53	55	56	50	50	9
8	54	53	52	51	56	58	52	55	51	50	51	53	46	46	8
7	50	49	46	45	51	54	48	50	47	46	48	50	42	43	7
6	47	46	41	40	47	50	44	45	42	42	44	47	38	39	6
5	43	42	35	35	43	45	40	40	38	39	41	44	34	35	5
4	40	39	30	29	39	41	36	36	33	35	38	41	30	31	4
3	37	35	24	24	35	37	32	31	29	31	34	38	26	27	3
2	33	31	18	19	31	32	28	26	24	28	31	35	23	23	2
1	30	28	13	14	27	28	24	22	20	24	27	32	19	19	1
0	26	24	7	8	23	24		17							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 65-69 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	78		100	100	100	92	89	95	79						19
18	73	78	100	100	96	88	85	91	75	78				95	18
17	69	74	100	100	91	85	81	87			90				17
16	65	69	99	96	87	81	78	83	67		86				16
15	61	65	94	91	83	77	74	79	63	68	82	74	62	82	15
14	56	61	88	87	79	73	70	75	60	65	78		59		14
13	52	56	83	83	74	69	66	71	56	61	74	67		74	13
12	48	52	78	78	70	65	63	67	52		71	63	54	69	12
11	44	48	73	74	66	61	59	63	48	55	67	59		65	11
10	39	43	68	69	62	57	55	59	44	52	63	56	48	61	10
9	35	39	63	65	57	54	51	55		49	59	52	45	56	9
8	31	35	58	61	53	50	48	51	36	45	56	49	42	52	8
7	27	30	53	56	49	46	44	47	32		52	45	39	48	7
6	23	26	47	52	45	42	40	43	28	39	48	42	37	43	6
5	18	22	42	48	41	38	36	39	24	36	44	38	34	39	5
4	14	17	37	43	36	34	33	35	20		40	35	31	35	4
3	10	13	32	39	32	30	29	31	17	29	37	31	28	30	3
2	6	9	27	35	28	26	25	27	13		33	27	25	26	2
1	1	5	22	30	24	23	21	23		23	29	24	22	22	1
0		0	17	26				19		19	25	20	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		98		93		100		79								19
18	89	100	94	83			100		75								18
17	85	98	90	79	85		97		71	80				79	75		17
16	81	94	85	76	81	76	93		67	75		88		75	71	68	16
15	77	89	81	72	77	71	89		63	71				71	68		15
14	73	85	77	69	73	67	85		58	66		79		67	64	60	14
13	69	81	73	65	69	63	81		54	62	70	75		63	60	57	13
12	65	76	69	61	65	59	76		50	57			56	59	57	53	12
11	61	72	65	58	61	55	72	60	46	53	62	66		55	53	49	11
10	57	68	60	54	57	51	68		42	48	57	61		51	49	45	10
9	53	63	56	51	53	47	64	51	38	44	53	57	42	47	46	41	9
8	49	59	52	47	49	43	60		34	39	49	52		43	42	37	8
7	45	55	48	44	45	39	56	41	29	34	45	48	32	39	38	33	7
6	42	50	44	40	41	35	51		25	30	41	43		35	35	29	6
5	38	46	40	36	37	30	47	32	21	25	36	39	23	31	31	25	5
4	34	42	35	33	33	26	43		17	21	32	35		27	28	21	4
3	30	37	31		29	22	39	22	13	16	28	30	13	23	24		3
2	26	33	27		25	18	35	17	9	12	24	26	8	19			2
1	22	29	23		21	14	30	13	4	7	19	21	4				1
0		24				10	26	8		3	15				13	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	97		88		100		97				100	100	100	94		19
18	93	99	84				93				96	100	100	90		18
17	89	95	81		90		88			90		96		86		17
16	84	90	77			80	84	78	83			92	94	82		16
15	80	86	74		80		79	74			83					15
14	76	82	70	68	75	72	74	70	74		78	83	86	75		14
13	72	78	67		70		70	66		73		78	81	71	60	13
12	68	73	63	61	65	64	65	62	65		69	74	77		56	12
11	64	69	60	58	60	59	61	58	61	65	65	69	72	63	52	11
10	59	65	56	55	55	55	56	55	56		61	65	68	59	49	10
9	55	60	53	52	50	51	52	51	52	57	56	60	63	55	45	9
8	51	56	49	49	45	47	47	47	47		52	56	59	51	41	8
7	47	52	46	46	40	42	42	43	43	48	47	51	55	47	38	7
6	43	48	42	43		38	38	39	38	44		47	50	43	34	6
5	38	43	38	40	30	34	33	36	34	40	38	42	46	39	30	5
4	34	39	35	37		30	29	32	29	36		38	41	35	27	4
3	30	35	31	34	20	26	24		25	32		33	37	31	23	3
2	26	30	28	31	15	21	19	24	20	28		28	32	27	19	2
1	22		24	28	10	17	15	20	16	24				23		1
0			24			13	10	17								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	93	94	100	100	100	100	98	100	100				90	91	19	
18	89	90	100	100	99	100	94	100	99				86	88	18	
17	86	87	100	100	95	100	90	99	95				82	84	17	
16	83	83	98	95	91	95	86	94	90				78	80	16	
15	79	80	92	89	87	91	82	90	85			76	75	76	15	
14	76	76	87	84	83	87	78	85	81	74			71	72	14	
13	72	72	81	79	78	82	74	80	76		71	70	67	68	13	
12	69	69	76	73	74	78	70	76	72	67			63	64	12	
11	65	65	70	68	70	74	66	71	67		64	64	59	60	11	
10	62	62	64	63	66	69	62	66	63	60	61	61	55	56	10	
9	58	58	59	57	62	65	58	62	58	56	57	58	51	52	9	
8	55	54	53	52	58	61	54	57	54	52	54	55	47	48	8	
7	52	51	48	47	54	56	50	52	49	49	51	52	43	44	7	
6	48	47	42	42	50	52	46	47	45	45	47	49	40	40	6	
5	45	43	37	36	46	48	42	43	40	41	44	46	36	36	5	
4	41	40	31	31	41	43	38	38	35	38	40	43	32	32	4	
3	38	36	25	26	37	39	33	33	31	34	37	40	28	28	3	
2	34	33	20	20	33	35	29	29	26	31	34	37	24	24	2	
1	31	29	14	15	29	30	25	24	22	27	30	34	20	20	1	
0	27	25	9	10	25	26		19							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	76		100	100	100	94	90	97	79						19	
18	72	77	100	100	98	90	86	93	75	78				97	18	
17	67	73	100	100	93	86	83	89			91				17	
16	63	68	100	98	89	82	79	85	67		87				16	
15	59	64	96	94	85	78	75	81	63	68	83	74	63	84	15	
14	55	60	91	89	81	74	71	77	60	65	79		60		14	
13	51	55	86	85	76	70	68	73	56	62	76	67		75	13	
12	46	51	81	81	72	66	64	69	52		72	63	54	71	12	
11	42	47	76	76	68	63	60	65	48	55	68	60		67	11	
10	38	42	71	72	64	59	56	61	44	52	64	56	49	62	10	
9	34	38	66	67	60	55	53	57		49	60	53	46	58	9	
8	29	34	60	63	55	51	49	53	36	46	57	49	43	54	8	
7	25	29	55	59	51	47	45	49	32		53	46	40	49	7	
6	21	25	50	54	47	43	41	45	28	39	49	42	37	45	6	
5	17	21	45	50	43	39	38	41	24	36	45	38	35	41	5	
4	12	16	40	46	38	35	34	37	20		42	35	32	36	4	
3	8	12	35	41	34	31	30	33	17	30	38	31	29	32	3	
2	4	8	30	37	30	28	26	29	13		34	28	26	28	2	
1	0	3	25	32	26	24	23	25		23	30	24	23	23	1	
0		0	19	28				21		20	26	21	20		0	

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		100		95		100		78								19
18	92	100	96	84			100		74								18
17	88	100	91	80	87		100		70	80				76	75		17
16	84	96	87	77	83	77	96		65	75		89		72	72	68	16
15	80	92	83	73	79	73	91		61	71				68	68		15
14	76	87	79	70	75	69	87		57	66		80		64	64	60	14
13	72	83	75	66	71	65	83		53	62	70	75		60	61	56	13
12	68	79	71	63	67	60	79		49	57			56	56	57	52	12
11	64	74	66	59	63	56	75	61	45	53	62	66		52	53	48	11
10	61	70	62	56	59	52	71		41	48	57	62		48	50	44	10
9	57	66	58	52	55	48	66	51	36	44	53	57	42	44	46	40	9
8	53	61	54	48	51	44	62		32	39	49	53		40	42	37	8
7	49	57	50	45	47	40	58	42	28	34	45	48	32	36	39	33	7
6	45	53	46	41	43	36	54		24	30	41	44		32	35	29	6
5	41	48	41	38	39	32	50	32	20	25	36	40	23	28	32	25	5
4	37	44	37	34	35	28	45		16	21	32	35		24	28	21	4
3	33	40	33		31	23	41	23	11	16	28	31	13	20	24		3
2	29	35	29		27	19	37	18	7	12	24	26	8	16			2
1	25	31	25		23	15	33	13	3	7	19	22	4				1
0		27				11	29	8		3	15				13	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	98		89		100		100				100	100	100	96		19
18	93	100	85				96				98	100	100	92		18
17	89	96	82		92		91			91		98		88		17
16	85	92	78			82	86	80	85			93	96	84		16
15	81	87	75		82		82	76			84					15
14	77	83	71	68	76	74	77	72	76		80	84	87	76		14
13	73	79	67		71		73	69		75		80	83	72	60	13
12	68	74	64	62	66	65	68	65	67		71	75	79		56	12
11	64	70	60	59	61	61	63	61	62	66	66	71	74	64	52	11
10	60	66	57	56	56	57	59	57	58		62	66	70	60	49	10
9	56	62	53	53	51	53	54	53	53	58	57	62	65	56	45	9
8	52	57	50	49	46	48	50	50	49		53	57	61	52	41	8
7	47	53	46	46	41	44	45	46	44	50	48	53	56	48	38	7
6	43	49	43	43		40	41	42	40	46		48	52	44	34	6
5	39	44	39	40	31	36	36	38	35	42	39	44	48	40	30	5
4	35	40	36	37		32	31	34	31	38		39	43	36	27	4
3	31	36	32	34	21	27	27		26	33		35	39	32	23	3
2	26	32	29	31	16	23	22	27	22	29		30	34	28	19	2
1	22		25	28	11	19	18	23	17	25				24		1
0			25			15	13	19								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	94	95	100	100	100	100	100	100	100				92	93	19
18	91	92	100	100	100	100	96	100	100				88	89	18
17	87	88	100	100	97	100	92	100	97				84	85	17
16	84	85	100	96	93	97	88	97	92				80	81	16
15	80	81	94	91	89	93	84	92	88			79	76	77	15
14	77	77	88	86	85	89	80	87	83	78			72	73	14
13	73	74	83	80	81	84	76	83	79		74	73	68	69	13
12	70	70	77	75	77	80	72	78	74	70			64	65	12
11	67	66	72	70	73	76	68	73	70		67	67	60	61	11
10	63	63	66	64	68	71	64	69	65	63	64	64	57	57	10
9	60	59	61	59	64	67	60	64	60	59	60	61	53	54	9
8	56	56	55	54	60	63	56	59	56	56	57	58	49	50	8
7	53	52	49	49	56	59	51	55	51	52	54	55	45	46	7
6	49	48	44	43	52	54	47	50	47	48	50	52	41	42	6
5	46	45	38	38	48	50	43	45	42	45	47	49	37	38	5
4	42	41	33	33	44	46	39	40	38	41	43	46	33	34	4
3	39	37	27	27	40	41	35	36	33	37	40	43	29	30	3
2	35	34	22	22	36	37	31	31	29	34	37	40	26	26	2
1	32	30	16	17	31	33	27	26	24	30	33	37	22	22	1
0	29	27	10	11	27	28		22							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 75-79 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	74		100	100	100	95	92	99	79						19
18	70	76	100	100	100	91	88	95	75	79				99	18
17	66	71	100	100	96	87	84	91			92				17
16	62	67	100	100	91	83	80	87	67		88				16
15	57	63	99	96	87	79	77	83	63	69	84	75	64	86	15
14	53	59	94	92	83	75	73	79	60	66	80		61		14
13	49	54	89	87	79	71	69	75	56	62	77	67		77	13
12	45	50	84	83	74	68	65	71	52		73	64	55	73	12
11	40	46	79	79	70	64	62	67	48	56	69	60		68	11
10	36	41	73	74	66	60	58	63	44	53	65	57	50	64	10
9	32	37	68	70	62	56	54	59		49	62	53	47	60	9
8	28	33	63	65	57	52	50	55	36	46	58	50	44	55	8
7	24	28	58	61	53	48	47	51	32		54	46	41	51	7
6	19	24	53	57	49	44	43	47	28	40	50	42	38	47	6
5	15	20	48	52	45	40	39	43	24	37	46	39	35	42	5
4	11	15	43	48	40	37	35	40	20		43	35	32	38	4
3	7	11	38	44	36	33	32	36	17	30	39	32	30	34	3
2	2	7	32	39	32	29	28	32	13		35	28	27	29	2
1	0	2	27	35	28	25	24	28		24	31	25	24	25	1
0		0	22	30				24		20	28	21	21		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		100		97		100		77								19
18	95	100	97	85			100		72								18
17	91	100	93	82	89		100		68	80				73	76		17
16	87	98	89	78	85	78	98		64	75		89		69	72	68	16
15	84	94	85	75	81	74	94		60	71				65	68		15
14	80	90	81	71	77	70	90		56	66		80		61	65	60	14
13	76	85	77	67	73	66	86		52	62	70	76		57	61	56	13
12	72	81	72	64	69	62	81		48	57			56	53	57	52	12
11	68	77	68	60	65	58	77	61	43	53	62	67		49	54	48	11
10	64	72	64	57	61	53	73		39	48	57	62		45	50	44	10
9	60	68	60	53	57	49	69	52	35	44	53	58	42	41	46	40	9
8	56	64	56	50	53	45	65		31	39	49	53		37	43	36	8
7	52	59	52	46	49	41	60	42	27	34	45	49	32	33	39	32	7
6	48	55	47	43	45	37	56		23	30	41	45		29	36	28	6
5	44	51	43	39	41	33	52	33	18	25	36	40	23	25	32	24	5
4	40	46	39	35	37	29	48		14	21	32	36		21	28	21	4
3	36	42	35		33	25	44	23	10	16	28	31	13	17	25		3
2	32	38	31		29	21	40	18	6	12	24	27	8	13			2
1	28	33	27		25	16	35	13	2	7	19	22	4				1
0		29				12	31	9		3	15				14	5	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	98		89		100		100				100	100	100	97		19
18	94	100	86				98				99	100	100	93		18
17	90	97	82		93		94			93		99		89		17
16	86	93	79			84	89	83	87			95	98	85		16
15	81	88	75		83		85	79			86					15
14	77	84	72	68	78	76	80	75	78		81	86	89	77		14
13	73	80	68		73		76	71		76		81	85	73	60	13
12	69	76	65	62	68	67	71	67	69		72	77	80		56	12
11	65	71	61	59	63	63	66	64	64	68	68	72	76	65	52	11
10	61	67	58	56	58	59	62	60	60		63	68	71	61	49	10
9	56	63	54	53	53	54	57	56	55	60	59	63	67	57	45	9
8	52	58	50	50	47	50	53	52	50		54	59	63	53	41	8
7	48	54	47	47	42	46	48	48	46	52	50	54	58	49	38	7
6	44	50	43	44		42	43	45	41	48		50	54	45	34	6
5	40	46	40	40	32	38	39	41	37	43	41	45	49	41	30	5
4	35	41	36	37		33	34	37	32	39		41	45	37	27	4
3	31	37	33	34	22	29	30		28	35		36	41	33	23	3
2	27	33	29	31	17	25	25	29	23	31		32	36	29	19	2
1	23		26	28	12	21	21	26	19	27				25		1
0			25			16	16	22								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	95	97	100	100	100	100	100	100	100				93	95	19
18	92	93	100	100	100	100	98	100	100				89	91	18
17	88	89	100	100	100	100	94	100	99				85	87	17
16	85	86	100	98	95	99	90	99	95				81	83	16
15	82	82	96	93	91	95	86	95	90			82	77	79	15
14	78	79	90	88	87	90	82	90	85	81			74	75	14
13	75	75	85	82	83	86	78	85	81		77	76	70	71	13
12	71	71	79	77	79	82	74	80	76	74			66	67	12
11	68	68	74	72	75	78	70	76	72		70	70	62	63	11
10	64	64	68	66	71	73	65	71	67	66	67	67	58	59	10
9	61	60	63	61	67	69	61	66	63	63	63	64	54	55	9
8	57	57	57	56	63	65	57	62	58	59	60	61	50	51	8
7	54	53	51	50	58	60	53	57	54	55	57	58	46	47	7
6	50	50	46	45	54	56	49	52	49	52	53	55	43	43	6
5	47	46	40	40	50	52	45	48	45	48	50	52	39	39	5
4	44	42	35	34	46	47	41	43	40	44	47	49	35	35	4
3	40	39	29	29	42	43	37	38	35	41	43	46	31	31	3
2	37	35	24	24	38	39	33	33	31	37	40	43	27	27	2
1	33	32	18	19	34	34	29	29	26	33	36	40	23	23	1
0	30	28	12	13	30	30		24							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	74		100	100	100	96	94	100	79						19
18	70	75	100	100	100	92	90	98	75	79				100	18
17	66	70	100	100	98	88	86	94			93				17
16	62	66	100	100	94	84	82	90	67		89				16
15	57	62	100	99	89	81	79	86	63	69	85	75	65	88	15
14	53	57	97	94	85	77	75	82	60	66	82		62		14
13	49	53	92	90	81	73	71	78	56	63	78	68		79	13
12	45	49	87	85	77	69	67	74	52		74	64	56	75	12
11	40	44	82	81	72	65	64	70	48	56	70	61		70	11
10	36	40	76	77	68	61	60	66	44	53	66	57	50	66	10
9	32	36	71	72	64	57	56	62		50	63	54	48	61	9
8	28	31	66	68	60	53	52	58	36	47	59	50	45	57	8
7	24	27	61	64	55	50	49	54	32		55	46	42	53	7
6	19	23	56	59	51	46	45	50	28	40	51	43	39	48	6
5	15	18	51	55	47	42	41	46	24	37	48	39	36	44	5
4	11	14	46	50	43	38	37	43	20		44	36	33	40	4
3	7	10	41	46	39	34	34	39	17	31	40	32	31	35	3
2	2	5	35	42	34	30	30	35	13		36	29	28	31	2
1	0	1	30	37	30	26	26	31		24	32	25	25	27	1
0		0	25	33				27		21	29	21	22		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		100		97		100		77								19
18	95	100	100	87			100		72								18
17	91	100	95	83	89		100		68	80				69	76		17
16	87	100	91	80	85	79	100		64	75		90		65	73	68	16
15	84	97	87	76	81	75	97		60	71				61	69		15
14	80	92	83	72	77	71	92		56	66		81		57	65	60	14
13	76	88	79	69	73	67	88		52	62	70	76		53	62	56	13
12	72	84	74	65	69	63	84		48	57			56	49	58	52	12
11	68	79	70	62	65	59	80	62	43	53	62	67		45	54	48	11
10	64	75	66	58	61	55	76		39	48	57	63		41	51	44	10
9	60	71	62	55	57	51	72	52	35	44	53	58	42	37	47	40	9
8	56	66	58	51	53	47	67		31	39	49	54		33	43	36	8
7	52	62	54	47	49	42	63	43	27	34	45	50	32	29	40	32	7
6	48	57	49	44	45	38	59		23	30	41	45		25	36	28	6
5	44	53	45	40	41	34	55	33	18	25	36	41	23	21	32	24	5
4	40	49	41	37	37	30	51		14	21	32	36		17	29	20	4
3	36	44	37		33	26	47	24	10	16	28	32	13	13	25		3
2	32	40	33		29	22	42	19	6	12	24	27	8	9			2
1	28	36	29		25	18	38	14	2	7	19	23	4				1
0		31				14	34	9		3	15				14	4	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 13-15 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	99		90		100		100				100	100	100	98		19
18	95	100	87				100				100	100	100	94		18
17	90	98	83		94		97			95		100		90		17
16	86	94	80			86	93	86	88			97	100	86		16
15	82	90	76		84		88	82			87					15
14	78	85	72	69	79	77	84	78	79		83	88	91	78		14
13	74	81	69		74		79	74		78		83	87	74	60	13
12	70	77	65	62	69	69	74	71	70		74	78	82		56	12
11	65	72	62	59	64	65	70	67	66	70	69	74	78	66	52	11
10	61	68	58	56	59	61	65	63	61		65	69	74	62	49	10
9	57	64	55	53	54	56	61	59	57	62	60	65	69	58	45	9
8	53	60	51	50	49	52	56	55	52		56	60	65	54	41	8
7	49	55	48	47	44	48	51	52	48	54	51	56	60	50	38	7
6	44	51	44	44		44	47	48	43	49		51	56	46	34	6
5	40	47	41	41	34	39	42	44	39	45	42	47	51	42	30	5
4	36	42	37	38		35	38	40	34	41		42	47	38	27	4
3	32	38	34	35	24	31	33		30	37		38	43	34	23	3
2	28	34	30	32	19	27	29	33	25	33		33	38	30	19	2
1	23		27	29	14	23	24	29	21	29				26		1
0				25		18	19	25								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	97	98	100	100	100	100	100	100	100				95	96	19
18	93	94	100	100	100	100	100	100	100				91	92	18
17	90	91	100	100	100	100	96	100	100				87	88	17
16	86	87	100	100	98	100	92	100	97				83	84	16
15	83	84	98	95	94	96	88	97	92			85	79	81	15
14	79	80	93	90	90	92	84	93	88	85			75	77	14
13	76	76	87	85	86	87	80	88	83		80	79	71	73	13
12	72	73	82	79	82	83	76	83	79	77			67	69	12
11	69	69	76	74	77	79	72	78	74		74	73	64	65	11
10	66	66	71	69	73	74	67	74	70	70	70	70	60	61	10
9	62	62	65	63	69	70	63	69	65	67	67	67	56	57	9
8	59	58	60	58	65	66	59	64	61	63	64	64	52	53	8
7	55	55	54	53	61	62	55	60	56	59	60	61	48	49	7
6	52	51	48	47	57	57	51	55	52	56	57	58	44	45	6
5	48	47	43	42	53	53	47	50	47	52	53	55	40	41	5
4	45	44	37	37	49	49	43	46	42	48	50	52	36	37	4
3	41	40	32	32	45	44	39	41	38	45	47	49	33	33	3
2	38	37	26	26	41	40	35	36	33	41	43	46	29	29	2
1	35	33	21	21	36	36	31	31	29	37	40	43	25	25	1
0	31	29	15	16	32	31		27							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
 Education: 16-17 years  
 Age: 20-34 years  
 Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	78		89	88	80	79	80	84	75						19
18	74	81	84	84	76	75	77	80	71	71				80	18
17	70	76	79	79	72	71	73	76			78				17
16	65	72	73	75	67	67	69	72	63		74				16
15	61	68	68	71	63	63	65	68	59	61	70	69	56	67	15
14	57	63	63	66	59	59	62	64	55	58	67		53		14
13	53	59	58	62	55	55	58	60	51	55	63	62		58	13
12	48	55	53	58	50	51	54	56	47		59	59	47	54	12
11	44	50	48	53	46	48	50	52	43	49	55	55		49	11
10	40	46	43	49	42	44	47	48	39	45	52	51	42	45	10
9	36	42	37	44	38	40	43	44		42	48	48	39	41	9
8	32	37	32	40	33	36	39	40	32	39	44	44	36	36	8
7	27	33	27	36	29	32	35	36	28		40	41	33	32	7
6	23	29	22	31	25	28	32	32	24	32	36	37	30	28	6
5	19	24	17	27	21	24	28	28	20	29	33	34	28	23	5
4	15	20	12	23	17	20	24	25	16		29	30	25	19	4
3	10	16	7	18	12	17	20	21	12	23	25	26	22	15	3
2	6	11	2	14	8	13	17	17	8		21	23	19	10	2
1	2	7	0	9	4	9	13	13		16	18	19	16	6	1
0		3	0	5				9		13	14	16	13		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	76		81		82		84		78								19
18	73	80	77	72			80		74								18
17	69	76	73	69	74		76		70	74				80	68		17
16	65	72	68	65	70	63	71		66	69		81		76	65	64	16
15	61	67	64	62	66	59	67		62	65				72	61		15
14	57	63	60	58	62	55	63		58	60		72		68	57	56	14
13	53	59	56	54	58	51	59		54	56	67	67		64	54	52	13
12	49	54	52	51	54	47	55		49	51			53	60	50	48	12
11	45	50	48	47	50	43	51	55	45	47	59	58		56	46	44	11
10	41	46	43	44	46	39	46		41	42	54	54		52	43	40	10
9	37	41	39	40	42	34	42	45	37	37	50	49	39	48	39	36	9
8	33	37	35	37	38	30	38		33	33	46	45		44	35	32	8
7	29	32	31	33	34	26	34	36	29	28	42	41	29	40	32	28	7
6	25	28	27	29	30	22	30		24	24	38	36		36	28	24	6
5	21	24	23	26	26	18	25	26	20	19	33	32	19	32	24	20	5
4	17	19	18	22	22	14	21		16	15	29	27		28	21	16	4
3	13	15	14		18	10	17	17	12	10	25	23	10	24	17		3
2	9	11	10		14	6	13	12	8	6	21	18	5	20			2
1	5	6	6		10	2	9	7	4	1	16	14	0				1
0		2				0	5	2		0	12				6	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	89		80		89		80				89	91	91	84		19
18	85	86	77				75				85	86	86	80		18
17	81	82	73		79		71			75		82		76		17
16	77	78	70			63	66	61	67			77	77	72		16
15	72	73	66		69		62	58			71					15
14	68	69	63	64	64	55	57	54	58		67	68	68	64		14
13	64	65	59		59		53	50		59		63	64	60	60	13
12	60	61	56	58	54	46	48	46	49		58	59	60		56	12
11	56	56	52	55	49	42	43	42	44	50	53	54	55	52	53	11
10	52	52	49	52	44	38	39	39	40		49	50	51	48	49	10
9	47	48	45	49	39	34	34	35	35	42	44	45	46	44	45	9
8	43	43	41	46	34	29	30	31	31		40	41	42	40	41	8
7	39	39	38	42	29	25	25	27	26	34	35	36	37	36	38	7
6	35	35	34	39		21	20	23	22	30		32	33	32	34	6
5	31	31	31	36	18	17	16	20	17	26	26	27	29	28	30	5
4	26	26	27	33		12	11	16	13	22		23	24	24	27	4
3	22	22	24	30	8	8	7		8	17		18	20	20	23	3
2	18	18	20	27	3	4	2	8	4	13		14	15	16	19	2
1	14		17	24	0	0	0	4	0	9				12		1
0				21		0	0	1								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	82	82	100	100	82	87	82	88	85				77	78	19	
18	78	79	100	99	78	82	78	83	80				74	74	18	
17	75	75	97	94	74	78	74	79	75				70	70	17	
16	71	72	91	88	70	74	70	74	71				66	66	16	
15	68	68	86	83	65	69	65	69	66			58	62	62	15	
14	65	64	80	78	61	65	61	65	62	56			58	58	14	
13	61	61	75	72	57	61	57	60	57		55	52	54	54	13	
12	58	57	69	67	53	56	53	55	53	49			50	50	12	
11	54	53	64	62	49	52	49	51	48		49	46	46	46	11	
10	51	50	58	56	45	48	45	46	44	42	45	43	43	43	10	
9	47	46	52	51	41	43	41	41	39	38	42	40	39	39	9	
8	44	43	47	46	37	39	37	36	35	34	38	37	35	35	8	
7	40	39	41	40	33	35	33	32	30	31	35	34	31	31	7	
6	37	35	36	35	28	30	29	27	25	27	32	31	27	27	6	
5	33	32	30	30	24	26	25	22	21	23	28	28	23	23	5	
4	30	28	25	25	20	22	21	18	16	20	25	25	19	19	4	
3	27	24	19	19	16	18	17	13	12	16	22	22	15	15	3	
2	23	21	14	14	12	13	13	8	7	13	18	19	11	11	2	
1	20	17	8	9	8	9	9	4	3	9	15	16	8	7	1	
0	16	14	2	3	4	5		0							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	76		94	93	84	81	81	85	75						19
18	72	75	89	88	80	77	77	81	71	72				83	18
17	68	70	84	84	76	73	74	77			80				17
16	64	66	79	80	72	69	70	73	63		76				16
15	60	62	74	75	67	66	66	69	59	62	73	70	58	70	15
14	55	57	69	71	63	62	62	65	55	59	69		55		14
13	51	53	63	67	59	58	58	61	51	56	65	63		61	13
12	47	49	58	62	55	54	55	57	47		61	59	49	57	12
11	43	44	53	58	50	50	51	53	43	50	57	56		53	11
10	38	40	48	53	46	46	47	49	39	46	54	52	43	48	10
9	34	36	43	49	42	42	43	45		43	50	49	41	44	9
8	30	31	38	45	38	38	40	41	32	40	46	45	38	40	8
7	26	27	33	40	33	34	36	37	28		42	42	35	35	7
6	21	23	28	36	29	31	32	33	24	33	39	38	32	31	6
5	17	18	22	32	25	27	28	29	20	30	35	34	29	27	5
4	13	14	17	27	21	23	25	25	16		31	31	26	22	4
3	9	10	12	23	17	19	21	21	12	24	27	27	23	18	3
2	5	5	7	18	12	15	17	17	8		23	24	21	14	2
1	0	1	2	14	8	11	13	14		17	20	20	18	9	1
0		0	0	10				10		14	16	17	15		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	80		85		84		89		77								19
18	76	85	81	75			85		73								18
17	72	81	76	71	76		81		69	74				81	69		17
16	68	76	72	68	72	66	76		65	69		80		77	65	64	16
15	64	72	68	64	68	61	72		61	65				73	62		15
14	60	67	64	61	64	57	68		56	60		71		69	58	56	14
13	56	63	60	57	60	53	64		52	56	67	67		65	54	52	13
12	52	59	55	53	56	49	60		48	51			53	61	51	48	12
11	48	54	51	50	52	45	55	56	44	47	59	58		57	47	44	11
10	44	50	47	46	48	41	51		40	42	54	53		53	43	40	10
9	40	46	43	43	44	37	47	46	36	37	50	49	39	49	40	36	9
8	36	41	39	39	40	33	43		31	33	46	44		45	36	32	8
7	32	37	35	36	36	29	39	37	27	28	42	40	29	41	32	28	7
6	28	33	30	32	32	25	35		23	24	38	36		37	29	24	6
5	24	28	26	28	28	20	30	27	19	19	33	31	20	33	25	20	5
4	20	24	22	25	24	16	26		15	15	29	27		29	21	16	4
3	16	20	18		20	12	22	18	11	10	25	22	10	25	18		3
2	12	15	14		16	8	18	13	7	6	21	18	5	21			2
1	8	11	10		12	4	14	8	2	1	16	13	0				1
0		7				0	10	3		0	12				7	0	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	90		82		91		83				92	94	94	86		19
18	86	88	78				78				87	89	90	82		18
17	82	84	75		81		73			79		85		78		17
16	78	80	71			67	69	64	70			80	81	74		16
15	74	76	68		71		64	60			74					15
14	69	71	64	65	66	58	60	56	61		69	71	72	66		14
13	65	67	61		61		55	52		62		66	68	62	60	13
12	61	63	57	58	56	50	50	48	52		60	62	63		56	12
11	57	58	53	55	51	45	46	45	48	54	56	57	59	54	53	11
10	53	54	50	52	46	41	41	41	43		51	53	54	50	49	10
9	48	50	46	49	41	37	37	37	39	46	47	48	50	46	45	9
8	44	46	43	46	36	33	32	33	34		42	44	46	42	41	8
7	40	41	39	43	31	29	28	29	29	37	38	39	41	38	38	7
6	36	37	36	40		24	23	26	25	33		35	37	34	34	6
5	32	33	32	37	21	20	18	22	20	29	29	30	32	30	30	5
4	28	28	29	34		16	14	18	16	25		26	28	26	27	4
3	23	24	25	31	11	12	9		11	21		21	23	22	23	3
2	19	20	22	28	6	7	5	10	7	17		17	19	18	19	2
1	15		18	25	1	3	0	7	2	13				14		1
0			22			0	0	3								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	84	85	100	100	87	91	85	93	89				80	81	19	
18	81	81	100	100	82	86	81	88	85				77	77	18	
17	77	78	98	94	78	82	77	84	80				73	73	17	
16	74	74	92	89	74	78	73	79	75				69	69	16	
15	70	70	87	84	70	73	69	74	71			60	65	65	15	
14	67	67	81	78	66	69	65	69	66	59			61	61	14	
13	63	63	75	73	62	65	61	65	62		56	54	57	58	13	
12	60	60	70	68	58	60	57	60	57	52			53	54	12	
11	57	56	64	62	54	56	53	55	53		49	48	49	50	11	
10	53	52	59	57	50	52	49	51	48	45	46	45	46	46	10	
9	50	49	53	52	45	47	45	46	44	41	42	42	42	42	9	
8	46	45	48	46	41	43	41	41	39	37	39	39	38	38	8	
7	43	42	42	41	37	39	37	37	35	34	36	36	34	34	7	
6	39	38	37	36	33	34	33	32	30	30	32	33	30	30	6	
5	36	34	31	31	29	30	29	27	25	26	29	30	26	26	5	
4	32	31	25	25	25	26	25	22	21	23	25	27	22	22	4	
3	29	27	20	20	21	21	20	18	16	19	22	24	18	18	3	
2	26	23	14	15	17	17	16	13	12	15	19	21	14	14	2	
1	22	20	9	9	13	13	12	8	7	12	15	18	11	10	1	
0	19	16	3	4	9	8		4							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	76		97	95	86	82	81	86	75						19
18	72	73	92	91	82	78	78	82	71	73				85	18
17	68	69	87	86	78	74	74	78			81				17
16	64	65	82	82	74	71	70	74	63		77				16
15	60	61	77	78	69	67	66	70	59	63	74	70	56	72	15
14	55	56	71	73	65	63	63	66	55	60	70		54		14
13	51	52	66	69	61	59	59	62	51	56	66	63		63	13
12	47	48	61	65	57	55	55	58	47		62	60	48	59	12
11	43	43	56	60	52	51	51	54	43	50	59	56		54	11
10	38	39	51	56	48	47	48	50	39	47	55	53	42	50	10
9	34	35	46	51	44	43	44	46		44	51	49	39	46	9
8	30	30	41	47	40	40	40	42	32	40	47	45	36	41	8
7	26	26	35	43	36	36	36	38	28		43	42	34	37	7
6	21	22	30	38	31	32	33	34	24	34	40	38	31	33	6
5	17	17	25	34	27	28	29	30	20	31	36	35	28	28	5
4	13	13	20	30	23	24	25	26	16		32	31	25	24	4
3	9	9	15	25	19	20	21	22	12	24	28	28	22	20	3
2	5	4	10	21	14	16	18	18	8		25	24	19	15	2
1	0	0	5	16	10	12	14	14		18	21	21	17	11	1
0		0	0	12				10		14	17	17	14		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	80		87		84		91		77								19
18	76	87	82	75			87		73								18
17	72	83	78	72	76		83		69	74				80	69		17
16	68	78	74	68	72	67	79		65	69		81		76	66	63	16
15	64	74	70	64	68	63	75		61	65				72	62		15
14	60	70	66	61	64	59	70		56	60		72		68	58	55	14
13	56	65	61	57	60	55	66		52	56	67	67		64	55	52	13
12	52	61	57	54	56	50	62		48	51			53	60	51	48	12
11	48	57	53	50	52	46	58	56	44	47	59	58		56	47	44	11
10	44	52	49	47	48	42	54		40	42	54	54		52	44	40	10
9	40	48	45	43	44	38	50	47	36	37	50	49	39	48	40	36	9
8	36	44	41	39	40	34	45		31	33	46	45		44	36	32	8
7	32	39	36	36	36	30	41	37	27	28	42	40	29	40	33	28	7
6	28	35	32	32	32	26	37		23	24	38	36		36	29	24	6
5	24	31	28	29	28	22	33	28	19	19	33	32	20	32	25	20	5
4	20	26	24	25	24	18	29		15	15	29	27		28	22	16	4
3	16	22	20		20	13	25	18	11	10	25	23	10	24	18		3
2	12	18	16		16	9	20	13	7	6	21	18	5	20			2
1	8	13	11		12	5	16	9	2	1	16	14	0				1
0		9				1	12	4		0	12				7	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	91		83		93		84				93	95	96	87		19
18	87	90	79				79				89	91	92	83		18
17	83	85	75		83		75			80		86		79		17
16	78	81	72			68	70	65	72			82	83	75		16
15	74	77	68		73		66	61			75					15
14	70	72	65	65	67	60	61	58	63		71	72	74	67		14
13	66	68	61		62		57	54		64		68	70	63	60	13
12	62	64	58	59	57	51	52	50	54		62	63	65		56	12
11	57	60	54	56	52	47	47	46	49	56	57	59	61	55	53	11
10	53	55	51	53	47	43	43	42	45		53	54	56	51	49	10
9	49	51	47	50	42	39	38	38	40	47	48	50	52	47	45	9
8	45	47	44	46	37	35	34	35	36		44	45	47	43	41	8
7	41	42	40	43	32	30	29	31	31	39	39	41	43	39	38	7
6	37	38	37	40		26	24	27	27	35		36	39	35	34	6
5	32	34	33	37	22	22	20	23	22	31	30	32	34	31	30	5
4	28	30	29	34		18	15	19	18	27		27	30	27	27	4
3	24	25	26	31	12	13	11		13	23		23	25	23	23	3
2	20	21	22	28	7	9	6	12	9	18		18	21	20	19	2
1	16		19	25	2	5	2	8	4	14				16		1
0				22		1	0	4								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	85	86	100	100	89	93	87	95	91				82	83	19
18	82	83	100	100	85	89	83	91	87				78	79	18
17	78	79	98	95	81	84	79	86	82				74	75	17
16	75	75	93	89	77	80	75	81	78				70	71	16
15	72	72	87	84	72	76	71	77	73			63	66	67	15
14	68	68	82	79	68	71	67	72	69	61			63	63	14
13	65	65	76	74	64	67	63	67	64		57	57	59	59	13
12	61	61	70	68	60	63	59	62	59	54			55	55	12
11	58	57	65	63	56	58	55	58	55		51	51	51	51	11
10	54	54	59	58	52	54	51	53	50	46	47	48	47	47	10
9	51	50	54	52	48	50	47	48	46	43	44	45	43	43	9
8	47	46	48	47	44	45	43	44	41	39	40	42	39	39	8
7	44	43	43	42	40	41	39	39	37	35	37	39	35	35	7
6	41	39	37	36	36	37	34	34	32	32	34	36	31	31	6
5	37	36	32	31	31	32	30	30	28	28	30	33	28	27	5
4	34	32	26	26	27	28	26	25	23	24	27	30	24	24	4
3	30	28	20	20	23	24	22	20	19	21	24	27	20	20	3
2	27	25	15	15	19	19	18	15	14	17	20	24	16	16	2
1	23	21	9	10	15	15	14	11	9	13	17	21	12	12	1
0	20	17	4	5	11	11		6							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	75		100	97	88	83	82	86	75						19
18	71	72	95	93	84	80	78	82	71	73				86	18
17	66	68	90	89	80	76	74	78			82				17
16	62	64	84	84	76	72	71	74	63		78				16
15	58	59	79	80	71	68	67	71	59	63	75	71	57	73	15
14	54	55	74	76	67	64	63	67	55	60	71		54		14
13	49	51	69	71	63	60	59	63	51	57	67	64		65	13
12	45	46	64	67	59	56	56	59	47		63	60	49	60	12
11	41	42	59	62	55	52	52	55	43	51	60	57		56	11
10	37	38	54	58	50	49	48	51	39	47	56	53	43	52	10
9	33	34	48	54	46	45	44	47		44	52	49	40	47	9
8	28	29	43	49	42	41	41	43	32	41	48	46	37	43	8
7	24	25	38	45	38	37	37	39	28		45	42	34	39	7
6	20	21	33	41	33	33	33	35	24	34	41	39	32	34	6
5	16	16	28	36	29	29	29	31	20	31	37	35	29	30	5
4	11	12	23	32	25	25	26	27	16		33	32	26	26	4
3	7	8	18	28	21	21	22	23	12	25	29	28	23	21	3
2	3	3	13	23	16	18	18	19	8		26	24	20	17	2
1	0	0	7	19	12	14	14	15		18	22	21	17	13	1
0		0	2	14				11		15	18	17	15		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	83		88		86		94		76								19
18	79	89	84	76			90		72								18
17	75	85	80	73	78		85		68	74				80	70		17
16	71	81	76	69	74	68	81		63	69		81		76	66	63	16
15	67	76	72	66	70	64	77		59	65				72	62		15
14	63	72	68	62	66	60	73		55	60		72		68	59	55	14
13	59	68	63	59	62	56	69		51	56	67	68		64	55	51	13
12	55	63	59	55	58	52	65		47	51			53	60	51	47	12
11	51	59	55	51	54	48	60	57	43	47	59	59		56	48	43	11
10	47	55	51	48	50	43	56		38	42	54	54		52	44	39	10
9	43	50	47	44	46	39	52	47	34	37	50	50	39	48	40	36	9
8	39	46	42	41	42	35	48		30	33	46	46		44	37	32	8
7	35	42	38	37	38	31	44	38	26	28	42	41	29	40	33	28	7
6	31	37	34	34	34	27	40		22	24	37	37		36	29	24	6
5	27	33	30	30	30	23	35	28	18	19	33	32	20	32	26	20	5
4	23	29	26	26	26	19	31		13	15	29	28		28	22	16	4
3	19	24	22		22	15	27	19	9	10	25	23	10	24	18		3
2	15	20	17		18	11	23	14	5	6	21	19	5	20			2
1	11	16	13		14	6	19	9	1	1	16	14	1				1
0		11				2	14	4		0	12				7	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	92		83		94		86				95	97	98	88		19
18	87	91	80				81				90	92	93	84		18
17	83	86	76		84		77			82		88		80		17
16	79	82	73			70	72	67	73			83	85	76		16
15	75	78	69		74		67	63			77					15
14	71	73	66	65	69	62	63	59	64		72	74	76	68		14
13	66	69	62		64		58	55		65		69	71	64	60	13
12	62	65	58	59	59	53	54	51	55		63	65	67		56	12
11	58	61	55	56	54	49	49	48	51	57	59	60	62	57	53	11
10	54	56	51	53	49	45	45	44	46		54	56	58	53	49	10
9	50	52	48	50	43	41	40	40	42	49	50	51	54	49	45	9
8	45	48	44	47	38	36	35	36	37		45	47	49	45	41	8
7	41	44	41	44	33	32	31	32	33	41	41	42	45	41	38	7
6	37	39	37	41		28	26	29	28	37		38	40	37	34	6
5	33	35	34	38	23	24	22	25	24	32	32	33	36	33	30	5
4	29	31	30	34		19	17	21	19	28		29	32	29	27	4
3	25	26	27	31	13	15	12		15	24		24	27	25	23	3
2	20	22	23	28	8	11	8	13	10	20		20	23	21	19	2
1	16		20	25	3	7	3	10	6	16				17		1
0				22		3	0	6								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	87	88	100	100	91	95	89	98	94				83	84	19
18	83	84	100	100	87	91	85	93	89				80	80	18
17	80	80	99	95	83	87	81	88	84				76	76	17
16	76	77	93	90	79	82	77	84	80				72	72	16
15	73	73	88	85	75	78	73	79	75			65	68	69	15
14	69	69	82	80	71	74	69	74	71	63			64	65	14
13	66	66	77	74	67	70	65	70	66		59	59	60	61	13
12	62	62	71	69	62	65	61	65	62	56			56	57	12
11	59	59	66	64	58	61	57	60	57		53	53	52	53	11
10	56	55	60	58	54	57	53	55	53	48	49	50	48	49	10
9	52	51	54	53	50	52	48	51	48	45	46	47	45	45	9
8	49	48	49	48	46	48	44	46	44	41	42	44	41	41	8
7	45	44	43	42	42	44	40	41	39	37	39	41	37	37	7
6	42	40	38	37	38	39	36	37	34	34	36	38	33	33	6
5	38	37	32	32	34	35	32	32	30	30	32	35	29	29	5
4	35	33	27	26	30	31	28	27	25	26	29	32	25	25	4
3	31	30	21	21	26	26	24	23	21	23	25	29	21	21	3
2	28	26	16	16	21	22	20	18	16	19	22	26	17	17	2
1	24	22	10	10	17	18	16	13	12	15	19	23	14	13	1
0	21	19	4	5	13	13		8							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory							Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC		
19	75		100	100	90	85	83	87	75						19	
18	71	71	97	95	86	81	79	83	71	74				88	18	
17	66	67	92	91	82	77	75	79			83				17	
16	62	63	87	87	78	73	71	76	63		80				16	
15	58	58	82	82	74	69	68	72	59	64	76	71	58	75	15	
14	54	54	77	78	69	65	64	68	55	61	72		55		14	
13	49	50	72	74	65	61	60	64	51	57	68	64		66	13	
12	45	45	67	69	61	58	56	60	47		64	61	49	62	12	
11	41	41	61	65	57	54	53	56	43	51	61	57		58	11	
10	37	37	56	60	52	50	49	52	39	48	57	53	44	53	10	
9	33	32	51	56	48	46	45	48		45	53	50	41	49	9	
8	28	28	46	52	44	42	41	44	32	41	49	46	38	45	8	
7	24	24	41	47	40	38	38	40	28		46	43	35	40	7	
6	20	19	36	43	35	34	34	36	24	35	42	39	32	36	6	
5	16	15	31	39	31	30	30	32	20	32	38	36	30	32	5	
4	11	11	26	34	27	26	26	28	16		34	32	27	27	4	
3	7	6	20	30	23	23	23	24	12	25	30	28	24	23	3	
2	3	2	15	25	19	19	19	20	8		27	25	21	19	2	
1	0	0	10	21	14	15	15	16		19	23	21	18	14	1	
0		0	5	17				12		15	19	18	15		0	

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	83		90		86		96		76								19
18	79	92	86	78			92		72								18
17	75	87	82	74	78		88		68	74				79	70		17
16	71	83	78	71	74	69	84		63	69		82		75	66	63	16
15	67	79	74	67	70	65	80		59	65				71	63		15
14	63	74	69	63	66	61	75		55	60		73		67	59	55	14
13	59	70	65	60	62	57	71		51	56	67	68		63	55	51	13
12	55	66	61	56	58	53	67		47	51			53	59	52	47	12
11	51	61	57	53	54	49	63	57	43	47	59	60		55	48	43	11
10	47	57	53	49	50	45	59		38	42	54	55		51	44	39	10
9	43	53	48	46	46	41	55	48	34	37	50	51	39	47	41	35	9
8	39	48	44	42	42	36	50		30	33	46	46		43	37	31	8
7	35	44	40	38	38	32	46	38	26	28	42	42	29	39	33	27	7
6	31	40	36	35	34	28	42		22	24	37	37		35	30	23	6
5	27	35	32	31	30	24	38	29	18	19	33	33	20	31	26	19	5
4	23	31	28	28	26	20	34		13	15	29	28		27	22	16	4
3	19	27	23		22	16	30	19	9	10	25	24	10	23	19		3
2	15	22	19		18	12	25	14	5	6	21	19	5	19			2
1	11	18	15		14	8	21	10	1	1	16	15	1				1
0		14				4	17	5		0	12				8	0	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	92		84		95		88				96	98	100	90		19
18	88	92	80				83				91	94	95	86		18
17	84	87	77		85		79			84		89		82		17
16	80	83	73			72	74	68	75			85	86	78		16
15	75	79	70		75		69	65			78					15
14	71	75	66	66	70	63	65	61	66		74	75	78	70		14
13	67	70	63		65		60	57		67		71	73	66	60	13
12	63	66	59	59	60	55	56	53	57		65	66	69		56	12
11	59	62	56	56	55	51	51	49	53	59	60	62	64	58	53	11
10	54	57	52	53	50	47	46	46	48		56	57	60	54	49	10
9	50	53	49	50	45	42	42	42	43	51	51	53	55	50	45	9
8	46	49	45	47	40	38	37	38	39		47	48	51	46	41	8
7	42	45	42	44	35	34	33	34	34	42	42	44	47	42	38	7
6	38	40	38	41		30	28	30	30	38		39	42	38	34	6
5	33	36	34	38	25	25	24	27	25	34	33	35	38	34	30	5
4	29	32	31	35		21	19	23	21	30		30	33	30	27	4
3	25	27	27	32	14	17	14		16	26		26	29	26	23	3
2	21	23	24	29	9	13	10	15	12	22		21	24	22	19	2
1	17		20	26	4	9	5	11	7	18				18		1
0				22		4	1	8								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	88	89	100	100	94	98	91	100	96				85	86	19
18	84	85	100	100	89	94	87	95	91				81	82	18
17	81	82	100	96	85	89	83	91	87				77	78	17
16	77	78	94	91	81	85	79	86	82				73	74	16
15	74	74	89	86	77	81	75	81	78			68	69	70	15
14	71	71	83	80	73	76	71	77	73	65			66	66	14
13	67	67	78	75	69	72	66	72	68		62	62	62	62	13
12	64	63	72	70	65	68	62	67	64	58			58	58	12
11	60	60	67	64	61	64	58	63	59		55	56	54	54	11
10	57	56	61	59	57	59	54	58	55	51	51	53	50	50	10
9	53	53	55	54	53	55	50	53	50	47	48	50	46	46	9
8	50	49	50	49	48	51	46	48	46	43	45	47	42	42	8
7	46	45	44	43	44	46	42	44	41	40	41	44	38	38	7
6	43	42	39	38	40	42	38	39	37	36	38	41	34	35	6
5	39	38	33	33	36	38	34	34	32	32	34	38	31	31	5
4	36	35	28	27	32	33	30	30	28	29	31	35	27	27	4
3	33	31	22	22	28	29	26	25	23	25	28	32	23	23	3
2	29	27	16	17	24	25	22	20	18	21	24	29	19	19	2
1	26	24	11	11	20	20	18	16	14	18	21	26	15	15	1
0	22	20	5	6	16	16		11							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 55-59 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	73		100	100	93	86	83	89	77						19
18	69	74	100	98	88	82	80	85	74	74				90	18
17	65	70	95	93	84	78	76	81			84				17
16	61	65	90	89	80	74	72	77	66		81				16
15	56	61	85	85	76	70	68	73	62	64	77	72	59	77	15
14	52	57	80	80	71	66	65	69	58	61	73		56		14
13	48	52	75	76	67	63	61	65	54	58	69	64		68	13
12	44	48	69	72	63	59	57	61	50		66	61	50	64	12
11	39	44	64	67	59	55	53	57	46	51	62	57		59	11
10	35	39	59	63	54	51	50	53	42	48	58	54	45	55	10
9	31	35	54	58	50	47	46	49		45	54	50	42	51	9
8	27	31	49	54	46	43	42	45	34	42	50	47	39	46	8
7	22	27	44	50	42	39	38	41	31		47	43	36	42	7
6	18	22	39	45	38	35	35	37	27	35	43	40	33	38	6
5	14	18	33	41	33	32	31	33	23	32	39	36	30	33	5
4	10	14	28	37	29	28	27	29	19		35	32	28	29	4
3	6	9	23	32	25	24	23	25	15	26	32	29	25	25	3
2	1	5	18	28	21	20	20	21	11		28	25	22	20	2
1	0	1	13	23	16	16	16	17		19	24	22	19	16	1
0		0	8	19				13		16	20	18	16		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		92		90		99		75								19
18	86	97	88	79			95		70								18
17	82	93	84	75	82		90		66	74				78	70		17
16	78	89	80	72	78	74	86		62	69		83		74	67	63	16
15	74	84	75	68	74	70	82		58	65				70	63		15
14	70	80	71	65	70	66	78		54	60		74		66	59	55	14
13	66	76	67	61	66	62	74		50	56	67	69		62	56	51	13
12	62	71	63	58	62	58	70		45	51			53	58	52	47	12
11	58	67	59	54	58	54	65	58	41	47	59	60		54	48	43	11
10	54	63	55	50	54	50	61		37	42	54	56		50	45	39	10
9	50	58	50	47	50	46	57	48	33	37	50	51	39	46	41	35	9
8	46	54	46	43	46	41	53		29	33	46	47		42	37	31	8
7	42	50	42	40	43	37	49	39	25	28	42	42	29	38	34	27	7
6	38	45	38	36	39	33	45		20	24	37	38		34	30	23	6
5	34	41	34	33	35	29	40	29	16	19	33	33	20	30	26	19	5
4	30	36	29	29	31	25	36		12	15	29	29		26	23	15	4
3	26	32	25		27	21	32	20	8	10	25	24	10	22	19		3
2	22	28	21		23	17	28	15	4	6	21	20	5	18			2
1	18	23	17		19	13	24	10	0	1	16	16	1				1
0		19				9	19	5		0	12				8	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	93		85		96		90				97	100	100	91		19
18	89	93	81				85				93	95	97	87		18
17	84	89	78		86		81			85		91		83		17
16	80	84	74			74	76	70	77			86	88	79		16
15	76	80	71		76		72	67			79					15
14	72	76	67	66	71	65	67	63	68		75	77	79	71		14
13	68	71	63		66		62	59		69		72	75	67	60	13
12	63	67	60	60	61	57	58	55	59		66	68	71		56	12
11	59	63	56	57	56	53	53	51	54	61	61	63	66	59	53	11
10	55	59	53	54	51	48	49	48	50		57	59	62	55	49	10
9	51	54	49	50	46	44	44	44	45	52	52	54	57	51	45	9
8	47	50	46	47	41	40	39	40	41		48	50	53	47	41	8
7	42	46	42	44	36	36	35	36	36	44	43	45	48	43	38	7
6	38	41	39	41		31	30	32	32	40		41	44	39	34	6
5	34	37	35	38	26	27	26	29	27	36	34	36	40	35	30	5
4	30	33	32	35		23	21	25	23	32		32	35	31	27	4
3	26	29	28	32	16	19	17		18	28		27	31	27	23	3
2	22	24	25	29	11	15	12	17	14	24		23	26	23	19	2
1	17		21	26	6	10	7	13	9	19				19		1
0				23		6	3	10								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	89	90	100	100	96	100	93	100	98				86	87	19
18	86	86	100	100	92	96	89	98	93				83	84	18
17	82	83	100	97	88	92	85	93	89				79	80	17
16	79	79	95	92	84	88	80	88	84				75	76	16
15	75	76	90	87	79	83	76	84	80			71	71	72	15
14	72	72	84	81	75	79	72	79	75	68			67	68	14
13	68	68	79	76	71	75	68	74	71		64	65	63	64	13
12	65	65	73	71	67	71	64	70	66	60			59	60	12
11	61	61	68	65	63	66	60	65	62		57	59	55	56	11
10	58	58	62	60	59	62	56	60	57	53	54	56	51	52	10
9	54	54	56	55	55	58	52	56	53	49	51	53	48	48	9
8	51	50	51	50	51	53	48	51	48	46	47	50	44	44	8
7	48	47	45	44	47	49	44	46	43	42	44	47	40	40	7
6	44	43	40	39	43	45	40	41	39	38	40	44	36	36	6
5	41	39	34	34	38	40	36	37	34	35	37	41	32	32	5
4	37	36	29	28	34	36	32	32	30	31	34	38	28	28	4
3	34	32	23	23	30	32	28	27	25	27	30	35	24	24	3
2	30	29	17	18	26	27	24	23	21	24	27	32	20	20	2
1	27	25	12	12	22	23	20	18	16	20	23	29	17	16	1
0	23	21	6	7	18	19		13							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 60-64 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	73		100	100	95	87	84	90	75						19
18	69	73	100	100	90	83	81	86	71	75				91	18
17	65	69	98	96	86	79	77	82			85				17
16	61	64	93	91	82	75	73	78	63		82				16
15	56	60	88	87	78	72	69	74	59	65	78	72	60	78	15
14	52	56	82	83	73	68	66	70	55	62	74		57		14
13	48	51	77	78	69	64	62	66	51	58	70	65		70	13
12	44	47	72	74	65	60	58	62	47		67	61	51	65	12
11	39	43	67	69	61	56	54	58	43	52	63	58		61	11
10	35	38	62	65	57	52	51	55	39	49	59	54	45	57	10
9	31	34	57	61	52	48	47	51		46	55	51	43	52	9
8	27	30	52	56	48	44	43	47	32	42	51	47	40	48	8
7	22	25	46	52	44	41	39	43	28		48	43	37	44	7
6	18	21	41	48	40	37	36	39	24	36	44	40	34	39	6
5	14	17	36	43	35	33	32	35	20	33	40	36	31	35	5
4	10	12	31	39	31	29	28	31	16		36	33	28	31	4
3	6	8	26	35	27	25	24	27	12	26	33	29	25	26	3
2	1	4	21	30	23	21	21	23	8		29	26	23	22	2
1	0	0	16	26	18	17	17	19		20	25	22	20	18	1
0		0	11	21				15		16	21	19	17		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		94		90		100		75								19
18	86	100	90	80			97		70								18
17	82	95	86	77	82		93		66	74				76	71		17
16	78	91	81	73	78	75	89		62	69		83		72	67	63	16
15	74	87	77	69	74	71	85		58	65				68	63		15
14	70	82	73	66	70	67	80		54	60		74		64	60	55	14
13	66	78	69	62	66	63	76		50	56	67	70		60	56	51	13
12	62	74	65	59	62	59	72		45	51			53	56	52	47	12
11	58	69	61	55	58	55	68	58	41	47	59	61		52	49	43	11
10	54	65	56	52	54	51	64		37	42	54	56		48	45	39	10
9	50	61	52	48	50	47	60	49	33	37	50	52	39	44	41	35	9
8	46	56	48	45	46	43	55		29	33	46	47		40	38	31	8
7	42	52	44	41	43	39	51	39	25	28	42	43	29	36	34	27	7
6	38	47	40	37	39	34	47		20	24	37	39		32	30	23	6
5	34	43	35	34	35	30	43	30	16	19	33	34	20	28	27	19	5
4	30	39	31	30	31	26	39		12	15	29	30		24	23	15	4
3	26	34	27		27	22	34	20	8	10	25	25	10	20	19		3
2	22	30	23		23	18	30	15	4	6	21	21	5	16			2
1	18	26	19		19	14	26	11	0	1	16	16	1				1
0		21				10	22	6		0	12				9	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	93		85		98		92				99	100	100	92		19
18	89	94	82				88				94	97	99	88		18
17	85	90	78		87		83			87		92		84		17
16	81	85	75			75	78	73	78			88	90	80		16
15	77	81	71		77		74	69			81					15
14	72	77	68	66	72	67	69	65	69		76	78	81	72		14
13	68	72	64		67		65	61		71		74	77	68	60	13
12	64	68	61	60	62	59	60	57	60		67	69	72		56	12
11	60	64	57	57	57	54	56	54	56	62	63	65	68	60	53	11
10	56	60	54	54	52	50	51	50	51		58	60	64	56	49	10
9	51	55	50	51	47	46	46	46	47	54	54	56	59	52	45	9
8	47	51	46	48	42	42	42	42	42		49	51	55	48	41	8
7	43	47	43	45	37	37	37	38	38	46	45	47	50	44	38	7
6	39	43	39	42		33	33	35	33	42		42	46	40	34	6
5	35	38	36	38	27	29	28	31	29	38	36	38	41	36	30	5
4	30	34	32	35		25	23	27	24	33		33	37	32	27	4
3	26	30	29	32	17	21	19		20	29		29	33	28	23	3
2	22	25	25	29	12	16	14	19	15	25		24	28	24	19	2
1	18		22	26	7	12	10	15	11	21				20		1
0			23			8	5	12								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	90	91	100	100	98	100	94	100	100				88	89	19
18	87	88	100	100	94	99	90	100	96				84	85	18
17	83	84	100	99	90	95	86	95	91				80	81	17
16	80	80	97	93	86	90	82	91	87				76	77	16
15	76	77	91	88	82	86	78	86	82			72	72	73	15
14	73	73	86	83	78	82	74	81	78	70			68	69	14
13	69	70	80	77	74	77	70	77	73		67	66	65	65	13
12	66	66	74	72	70	73	66	72	68	63			61	61	12
11	63	62	69	67	65	69	62	67	64		60	60	57	57	11
10	59	59	63	61	61	65	58	63	59	56	57	57	53	53	10
9	56	55	58	56	57	60	54	58	55	52	53	54	49	50	9
8	52	52	52	51	53	56	50	53	50	48	50	51	45	46	8
7	49	48	47	45	49	52	46	49	46	45	46	48	41	42	7
6	45	44	41	40	45	47	42	44	41	41	43	45	37	38	6
5	42	41	35	35	41	43	38	39	37	37	40	42	34	34	5
4	38	37	30	29	37	39	34	34	32	34	36	39	30	30	4
3	35	33	24	24	33	34	30	30	28	30	33	36	26	26	3
2	32	30	19	19	28	30	26	25	23	26	30	33	22	22	2
1	28	26	13	14	24	26	22	20	18	23	26	30	18	18	1
0	25	23	8	8	20	21		16							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 65-69 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	72		100	100	97	88	86	92	77						19
18	67	72	100	100	93	84	82	88	74	75				93	18
17	63	68	100	98	88	81	78	84			87				17
16	59	63	95	94	84	77	74	80	66		83				16
15	55	59	90	89	80	73	71	76	62	65	79	72	60	80	15
14	50	55	85	85	76	69	67	72	58	62	75		58		14
13	46	50	80	81	71	65	63	68	54	59	71	65		71	13
12	42	46	75	76	67	61	59	64	50		68	62	52	67	12
11	38	42	70	72	63	57	55	60	46	52	64	58		63	11
10	33	37	65	67	59	53	52	56	42	49	60	55	46	58	10
9	29	33	59	63	54	50	48	52		46	56	51	43	54	9
8	25	29	54	59	50	46	44	48	34	43	53	47	41	50	8
7	21	24	49	54	46	42	40	44	31		49	44	38	45	7
6	17	20	44	50	42	38	37	40	27	36	45	40	35	41	6
5	12	16	39	46	37	34	33	37	23	33	41	37	32	37	5
4	8	11	34	41	33	30	29	33	19		37	33	29	32	4
3	4	7	29	37	29	26	25	29	15	27	34	30	26	28	3
2	0	3	24	32	25	22	22	25	11		30	26	23	24	2
1	0	0	18	28	21	19	18	21		20	26	22	21	19	1
0		0	13	24				17		17	22	19	18		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		96		92		100		73								19
18	89	100	92	81			100		69								18
17	85	98	87	78	84		95		65	74				74	71		17
16	81	93	83	74	80	77	91		61	69		84		70	67	63	16
15	77	89	79	71	76	73	87		57	65				66	64		15
14	73	85	75	67	72	68	83		52	60		75		62	60	55	14
13	69	80	71	64	68	64	79		48	56	67	70		58	56	51	13
12	65	76	67	60	64	60	75		44	51			53	54	53	47	12
11	61	71	62	56	60	56	70	59	40	47	59	61		50	49	43	11
10	57	67	58	53	56	52	66		36	42	54	57		46	45	39	10
9	53	63	54	49	52	48	62	49	32	37	50	52	39	42	42	35	9
8	49	58	50	46	48	44	58		27	33	46	48		38	38	31	8
7	45	54	46	42	44	40	54	40	23	28	42	44	30	34	34	27	7
6	41	50	42	39	40	36	49		19	24	37	39		30	31	23	6
5	37	45	37	35	36	32	45	30	15	19	33	35	20	26	27	19	5
4	33	41	33	32	32	27	41		11	15	29	30		22	23	15	4
3	29	37	29		29	23	37	21	7	10	25	26	10	18	20		3
2	25	32	25		25	19	33	16	3	6	20	21	6	14			2
1	22	28	21		21	15	29	11	0	1	16	17	1				1
0		24				11	24	6		0	12				9	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	94		86		99		95				100	100	100	93		19
18	90	95	83				90				96	98	100	89		18
17	86	91	79		89		86			89		94		85		17
16	81	86	75			77	81	75	80			89	92	81		16
15	77	82	72		79		76	71			82					15
14	73	78	68	67	74	69	72	67	71		78	80	83	73		14
13	69	74	65		69		67	63		72		75	79	69	60	13
12	65	69	61	60	64	60	63	60	62		69	71	74		56	12
11	60	65	58	57	58	56	58	56	57	64	64	66	70	61	53	11
10	56	61	54	54	53	52	53	52	53		60	62	65	57	49	10
9	52	56	51	51	48	48	49	48	48	56	55	57	61	53	45	9
8	48	52	47	48	43	43	44	44	44		51	53	57	49	41	8
7	44	48	44	45	38	39	40	41	39	48	46	48	52	45	38	7
6	39	44	40	42		35	35	37	35	43		44	48	41	34	6
5	35	39	37	39	28	31	31	33	30	39	37	39	43	37	30	5
4	31	35	33	36		26	26	29	26	35		35	39	33	27	4
3	27	31	30	33	18	22	21		21	31		30	34	29	23	3
2	23	26	26	30	13	18	17	22	17	27		26	30	25	19	2
1	19		22	26	8	14	12	18	12	23				21		1
0			23			10	8	14								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	91	93	100	100	100	100	96	100	100				89	91	19
18	88	89	100	100	97	100	92	100	98				86	87	18
17	84	85	100	100	92	97	88	98	93				82	83	17
16	81	82	98	95	88	93	84	93	89				78	79	16
15	78	78	93	89	84	89	80	88	84			75	74	75	15
14	74	75	87	84	80	84	76	84	80	73			70	71	14
13	71	71	81	79	76	80	72	79	75		70	69	66	67	13
12	67	67	76	73	72	76	68	74	71	66			62	63	12
11	64	64	70	68	68	71	64	70	66		63	63	58	59	11
10	60	60	65	63	64	67	60	65	62	59	60	60	54	55	10
9	57	56	59	57	60	63	56	60	57	55	56	57	51	51	9
8	53	53	54	52	55	58	52	56	52	51	53	54	47	47	8
7	50	49	48	47	51	54	48	51	48	48	49	51	43	43	7
6	47	46	43	42	47	50	44	46	43	44	46	48	39	39	6
5	43	42	37	36	43	45	40	42	39	40	43	45	35	35	5
4	40	38	31	31	39	41	36	37	34	37	39	42	31	31	4
3	36	35	26	26	35	37	31	32	30	33	36	39	27	27	3
2	33	31	20	20	31	32	27	27	25	29	32	36	23	23	2
1	29	28	15	15	27	28	23	23	21	26	29	33	20	19	1
0	26	24	9	10	23	24		18							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	70		100	100	99	90	87	94	77						19
18	66	71	100	100	95	86	83	90	74	76				95	18
17	61	66	100	100	90	82	79	86			88				17
16	57	62	98	96	86	78	76	82	66		84				16
15	53	58	93	92	82	74	72	78	62	66	80	73	61	82	15
14	49	53	88	87	78	70	68	74	58	63	76		58		14
13	45	49	83	83	73	66	64	70	54	59	73	66		73	13
12	40	45	78	79	69	62	61	66	50		69	62	53	69	12
11	36	41	73	74	65	59	57	62	46	53	65	59		64	11
10	32	36	67	70	61	55	53	58	42	50	61	55	47	60	10
9	28	32	62	65	57	51	49	54		47	57	51	44	56	9
8	23	28	57	61	52	47	46	50	34	43	54	48	41	51	8
7	19	23	52	57	48	43	42	46	31		50	44	38	47	7
6	15	19	47	52	44	39	38	43	27	37	46	41	36	43	6
5	11	15	42	48	40	35	34	39	23	34	42	37	33	38	5
4	6	10	37	44	35	31	31	35	19		39	34	30	34	4
3	2	6	31	39	31	27	27	31	15	27	35	30	27	30	3
2	0	2	26	35	27	24	23	27	11		31	26	24	25	2
1	0	0	21	30	23	20	19	23		21	27	23	21	21	1
0		0	16	26				19		17	23	19	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		98		94		100		72								19
18	92	100	93	83			100		68								18
17	88	100	89	79	86		98		64	74				71	71		17
16	84	96	85	76	82	78	94		59	69		84		67	68	63	16
15	80	91	81	72	78	74	90		55	65				63	64		15
14	76	87	77	68	74	70	85		51	60		75		59	60	55	14
13	72	82	73	65	70	66	81		47	56	67	71		55	57	51	13
12	68	78	68	61	66	61	77		43	51			54	51	53	47	12
11	64	74	64	58	62	57	73	59	39	47	58	62		47	49	43	11
10	60	69	60	54	58	53	69		34	42	54	58		43	46	39	10
9	56	65	56	51	54	49	64	50	30	37	50	53	39	39	42	35	9
8	52	61	52	47	50	45	60		26	33	46	49		35	38	31	8
7	48	56	48	43	46	41	56	40	22	28	42	44	30	31	35	27	7
6	44	52	43	40	42	37	52		18	24	37	40		27	31	23	6
5	41	48	39	36	38	33	48	31	14	19	33	35	20	23	27	19	5
4	37	43	35	33	34	29	44		10	15	29	31		19	24	15	4
3	33	39	31		30	25	39	21	5	10	25	26	10	15	20		3
2	29	35	27		26	20	35	16	1	6	20	22	6	11			2
1	25	30	22		22	16	31	11	0	1	16	17	1				1
0		26				12	27	7		0	12				9	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	94		87		100		97				100	100	100	94		19
18	90	96	83				93				97	100	100	90		18
17	86	92	80		90		88			90		95		86		17
16	82	88	76			79	84	77	82			91	94	82		16
15	78	83	73		80		79	74			84					15
14	74	79	69	67	75	70	74	70	73		79	81	85	74		14
13	69	75	66		70		70	66		74		77	80	70	60	13
12	65	70	62	61	65	62	65	62	64		70	72	76		56	12
11	61	66	59	58	60	58	61	58	59	66	66	68	72	62	53	11
10	57	62	55	54	55	54	56	55	55		61	63	67	58	49	10
9	53	58	51	51	50	49	52	51	50	57	57	59	63	55	45	9
8	48	53	48	48	45	45	47	47	46		52	54	58	51	41	8
7	44	49	44	45	40	41	42	43	41	49	48	50	54	47	38	7
6	40	45	41	42		37	38	39	37	45		45	50	43	34	6
5	36	40	37	39	29	32	33	35	32	41	39	41	45	39	30	5
4	32	36	34	36		28	29	32	28	37		36	41	35	27	4
3	27	32	30	33	19	24	24		23	33		32	36	31	23	3
2	23	28	27	30	14	20	20	24	19	29		27	32	27	19	2
1	19		23	27	9	16	15	20	14	24				23		1
0				24		11	10	16								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	93	94	100	100	100	100	98	100	100				91	92	19
18	89	90	100	100	99	100	94	100	100				87	88	18
17	86	87	100	100	95	99	90	100	96				83	84	17
16	82	83	100	96	91	95	86	96	91				79	80	16
15	79	79	94	91	87	91	82	91	87			78	75	76	15
14	75	76	89	86	82	86	78	86	82	76			71	72	14
13	72	72	83	80	78	82	74	81	77		73	72	68	68	13
12	68	69	78	75	74	78	70	77	73	69			64	64	12
11	65	65	72	70	70	73	66	72	68		66	66	60	61	11
10	62	61	67	64	66	69	62	67	64	62	62	63	56	57	10
9	58	58	61	59	62	65	58	63	59	58	59	60	52	53	9
8	55	54	55	54	58	60	54	58	55	54	56	57	48	49	8
7	51	51	50	49	54	56	49	53	50	51	52	54	44	45	7
6	48	47	44	43	50	52	45	49	46	47	49	51	40	41	6
5	44	43	39	38	45	47	41	44	41	43	46	48	37	37	5
4	41	40	33	33	41	43	37	39	37	40	42	45	33	33	4
3	37	36	28	27	37	39	33	35	32	36	39	42	29	29	3
2	34	32	22	22	33	35	29	30	27	32	35	39	25	25	2
1	30	29	16	17	29	30	25	25	23	29	32	36	21	21	1
0	27	25	11	11	25	26		20							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 75-79 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	68		100	100	100	91	88	96	77						19
18	64	70	100	100	97	87	85	92	74	76				96	18
17	60	65	100	100	92	83	81	88			89				17
16	56	61	100	98	88	79	77	85	66		85				16
15	51	57	96	94	84	75	73	81	62	66	81	73	62	83	15
14	47	52	91	90	80	71	70	77	58	63	77		59		14
13	43	48	86	85	76	67	66	73	54	60	74	66		75	13
12	39	44	80	81	71	64	62	69	50		70	62	54	70	12
11	34	39	75	76	67	60	58	65	46	53	66	59		66	11
10	30	35	70	72	63	56	55	61	42	50	62	55	48	62	10
9	26	31	65	68	59	52	51	57		47	58	52	45	57	9
8	22	26	60	63	54	48	47	53	34	44	55	48	42	53	8
7	18	22	55	59	50	44	43	49	31		51	45	39	49	7
6	13	18	50	55	46	40	40	45	27	37	47	41	36	44	6
5	9	13	44	50	42	36	36	41	23	34	43	38	34	40	5
4	5	9	39	46	37	33	32	37	19		40	34	31	36	4
3	1	5	34	42	33	29	28	33	15	28	36	30	28	31	3
2	0	1	29	37	29	25	25	29	11		32	27	25	27	2
1	0	0	24	33	25	21	21	25		21	28	23	22	23	1
0		0	19	28				21		18	24	20	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		99		96		100		71								19
18	95	100	95	84			100		66								18
17	91	100	91	80	88		100		62	74				68	72		17
16	87	98	87	77	84	79	96		58	69		85		64	68	63	16
15	83	93	83	73	80	75	92		54	65				60	64		15
14	79	89	79	70	76	71	88		50	60		76		56	61	55	14
13	75	85	74	66	72	67	84		46	56	67	71		52	57	51	13
12	71	80	70	63	68	63	79		41	51			54	48	53	47	12
11	67	76	66	59	64	59	75	60	37	47	58	63		44	50	43	11
10	63	72	62	55	60	54	71		33	42	54	58		40	46	39	10
9	60	67	58	52	56	50	67	50	29	37	50	54	39	36	42	35	9
8	56	63	54	48	52	46	63		25	33	46	49		32	39	31	8
7	52	59	49	45	48	42	59	41	21	28	42	45	30	28	35	27	7
6	48	54	45	41	44	38	54		17	24	37	40		24	31	23	6
5	44	50	41	38	40	34	50	31	12	19	33	36	20	20	28	19	5
4	40	46	37	34	36	30	46		8	15	29	31		16	24	15	4
3	36	41	33		32	26	42	21	4	10	25	27	10	12	21		3
2	32	37	29		28	22	38	17	0	6	20	22	6	8			2
1	28	33	24		24	18	34	12	0	1	16	18	1				1
0		28				13	29	7	0	0	12				10	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	95		88		100		100				100	100	100	96		19
18	91	97	84				96				98	100	100	92		18
17	87	93	80		91		91			92		97		88		17
16	82	89	77			81	87	80	83			92	96	84		16
15	78	84	73		81		82	76			85					15
14	74	80	70	67	76	72	77	72	74		80	83	87	76		14
13	70	76	66		71		73	69		76		78	82	72	60	13
12	66	72	63	61	66	64	68	65	65		71	74	78		56	12
11	62	67	59	58	61	60	64	61	61	67	67	69	73	64	53	11
10	57	63	56	55	56	55	59	57	56		63	65	69	60	49	10
9	53	59	52	52	51	51	54	53	52	59	58	60	65	56	45	9
8	49	54	49	49	46	47	50	50	47		54	56	60	52	41	8
7	45	50	45	46	41	43	45	46	43	51	49	51	56	48	38	7
6	41	46	42	42		38	41	42	38	47		47	51	44	34	6
5	36	42	38	39	31	34	36	38	34	43	40	42	47	40	30	5
4	32	37	34	36		30	32	34	29	39		38	42	36	27	4
3	28	33	31	33	21	26	27		25	34		33	38	32	23	3
2	24	29	27	30	16	22	22	27	20	30		29	34	28	19	2
1	20		24	27	11	17	18	23	16	26				24		1
0				24		13	13	19								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	94	95	100	100	100	100	100	100	100				92	94	19
18	90	92	100	100	100	100	96	100	100				88	90	18
17	87	88	100	100	97	100	92	100	98				85	86	17
16	83	84	100	98	93	97	88	98	93				81	82	16
15	80	81	96	93	89	92	84	93	89			81	77	78	15
14	77	77	91	88	85	88	80	89	84	80			73	74	14
13	73	73	85	82	81	84	76	84	80		76	75	69	70	13
12	70	70	80	77	77	79	72	79	75	72			65	66	12
11	66	66	74	72	72	75	68	74	71		69	69	61	62	11
10	63	63	69	66	68	71	63	70	66	65	66	66	57	58	10
9	59	59	63	61	64	66	59	65	62	61	62	63	54	54	9
8	56	55	57	56	60	62	55	60	57	58	59	60	50	50	8
7	52	52	52	50	56	58	51	56	52	54	55	57	46	46	7
6	49	48	46	45	52	54	47	51	48	50	52	54	42	42	6
5	45	45	41	40	48	49	43	46	43	47	49	51	38	38	5
4	42	41	35	34	44	45	39	42	39	43	45	48	34	34	4
3	39	37	30	29	40	41	35	37	34	39	42	45	30	30	3
2	35	34	24	24	36	36	31	32	30	36	38	42	26	27	2
1	32	30	18	19	31	32	27	28	25	32	35	39	23	23	1
0	28	26	13	13	27	28		23							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	68		100	100	100	92	90	99	77						19
18	64	68	100	100	99	88	86	95	74	77				98	18
17	60	64	100	100	95	84	83	91			90				17
16	56	60	100	100	91	80	79	88	66		86				16
15	51	56	99	97	86	77	75	84	62	67	82	74	63	85	15
14	47	51	94	92	82	73	71	80	58	64	79		60		14
13	43	47	89	88	78	69	68	76	54	60	75	66		77	13
12	39	43	83	83	74	65	64	72	50		71	63	54	72	12
11	34	38	78	79	69	61	60	68	46	54	67	59		68	11
10	30	34	73	75	65	57	56	64	42	51	63	56	49	64	10
9	26	30	68	70	61	53	53	60		48	60	52	46	59	9
8	22	25	63	66	57	49	49	56	34	44	56	49	43	55	8
7	18	21	58	62	52	46	45	52	31		52	45	40	51	7
6	13	17	53	57	48	42	41	48	27	38	48	42	37	46	6
5	9	12	47	53	44	38	38	44	23	35	45	38	34	42	5
4	5	8	42	48	40	34	34	40	19		41	34	32	38	4
3	1	4	37	44	35	30	30	36	15	28	37	31	29	33	3
2	0	0	32	40	31	26	26	32	11		33	27	26	29	2
1	0	0	27	35	27	22	23	28		22	29	24	23	24	1
0		0	22	31				24		18	26	20	20		0

Speed of information processing					Spatial skills				Verbal/Academic skills								Scaled score
Scaled score	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		100		96		100		71								19
18	95	100	97	85			100		66								18
17	91	100	93	82	88		100		62	74				64	72		17
16	87	100	89	78	84	80	99		58	69		85		60	68	63	16
15	83	96	85	75	80	76	95		54	65				56	65		15
14	79	92	81	71	76	72	91		50	60		76		52	61	55	14
13	75	87	76	68	72	68	86		46	56	67	72		48	58	51	13
12	71	83	72	64	68	64	82		41	51			54	44	54	47	12
11	67	79	68	60	64	60	78	60	37	47	58	63		40	50	43	11
10	63	74	64	57	60	56	74		33	42	54	59		36	47	39	10
9	60	70	60	53	56	52	70	51	29	37	50	54	39	32	43	35	9
8	56	66	56	50	52	48	66		25	33	46	50		28	39	31	8
7	52	61	51	46	48	44	61	41	21	28	42	45	30	24	36	27	7
6	48	57	47	43	44	39	57		17	24	37	41		20	32	23	6
5	44	53	43	39	40	35	53	32	12	19	33	36	20	16	28	19	5
4	40	48	39	35	36	31	49		8	15	29	32		12	25	15	4
3	36	44	35		32	27	45	22	4	10	25	27	11	8	21		3
2	32	40	31		28	23	40	17	0	6	20	23	6	4			2
1	28	35	26		24	19	36	12	0	1	16	18	1				1
0		31				15	32	8		0	12				10	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 16-17 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	96		88		100		100				100	100	100	97		19
18	92	98	85				99				100	100	100	93		18
17	87	94	81		93		95			94		98		89		17
16	83	90	78			83	90	83	85			94	98	85		16
15	79	86	74		82		85	79			86					15
14	75	81	71	67	77	74	81	76	76		82	85	89	77		14
13	71	77	67		72		76	72		78		80	84	73	60	13
12	66	73	64	61	67	66	72	68	67		73	76	80		56	12
11	62	68	60	58	62	61	67	64	63	69	69	71	75	65	53	11
10	58	64	57	55	57	57	62	60	58		64	67	71	61	49	10
9	54	60	53	52	52	53	58	57	54	61	60	62	67	57	45	9
8	50	56	49	49	47	49	53	53	49		55	57	62	53	41	8
7	45	51	46	46	42	45	49	49	45	53	51	53	58	49	38	7
6	41	47	42	43		40	44	45	40	49		48	53	45	34	6
5	37	43	39	40	32	36	40	41	36	45	42	44	49	41	30	5
4	33	38	35	37		32	35	37	31	40		39	44	37	27	4
3	29	34	32	34	22	28	30		27	36		35	40	33	23	3
2	25	30	28	30	17	23	26	30	22	32		30	36	29	19	2
1	20		25	27	12	19	21	26	18	28				25		1
0			24			15	17	22								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	95	97	100	100	100	100	100	100	100				94	95	19
18	92	93	100	100	100	100	98	100	100				90	91	18
17	88	89	100	100	100	100	94	100	100				86	88	17
16	85	86	100	100	96	98	90	100	96				82	84	16
15	81	82	99	95	91	94	86	96	91			84	78	80	15
14	78	79	93	90	87	89	82	91	87	84			75	76	14
13	74	75	88	85	83	85	78	87	82		79	78	71	72	13
12	71	71	82	79	79	81	74	82	78	76			67	68	12
11	67	68	77	74	75	76	70	77	73		72	72	63	64	11
10	64	64	71	69	71	72	65	72	69	69	69	69	59	60	10
9	61	60	65	63	67	68	61	68	64	65	66	66	55	56	9
8	57	57	60	58	63	63	57	63	59	62	62	63	51	52	8
7	54	53	54	53	59	59	53	58	55	58	59	60	47	48	7
6	50	50	49	48	55	55	49	54	50	54	55	57	44	44	6
5	47	46	43	42	50	51	45	49	46	51	52	54	40	40	5
4	43	42	38	37	46	46	41	44	41	47	49	51	36	36	4
3	40	39	32	32	42	42	37	40	37	43	45	48	32	32	3
2	36	35	26	26	38	38	33	35	32	40	42	45	28	28	2
1	33	31	21	21	34	33	29	30	28	36	39	42	24	24	1
0	30	28	15	16	30	29		25							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 20-34 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	78		85	86	77	75	77	81	75						19
18	74	74	80	82	73	71	73	77	71	69				77	18
17	70	70	75	77	69	67	70	73			75				17
16	65	66	70	73	64	63	66	70	63		71				16
15	61	62	65	69	60	59	62	66	59	59	67	68	54	64	15
14	57	57	60	64	56	55	58	62	55	56	64		51		14
13	53	53	55	60	52	51	55	58	51	53	60	61		56	13
12	48	49	50	55	47	47	51	54	47		56	57	46	51	12
11	44	44	44	51	43	44	47	50	43	46	52	54		47	11
10	40	40	39	47	39	40	43	46	39	43	49	50	40	43	10
9	36	36	34	42	35	36	40	42		40	45	46	37	38	9
8	32	31	29	38	30	32	36	38	32	36	41	43	34	34	8
7	27	27	24	34	26	28	32	34	28		37	39	32	30	7
6	23	23	19	29	22	24	28	30	24	30	33	36	29	25	6
5	19	18	14	25	18	20	25	26	20	27	30	32	26	21	5
4	15	14	8	21	14	16	21	22	16		26	29	23	17	4
3	10	10	3	16	9	13	17	18	12	20	22	25	20	12	3
2	6	5	0	12	5	9	13	14	8		18	22	17	8	2
1	2	1	0	7	1	5	10	10		14	15	18	14	4	1
0		0	0	3				6		11	11	14	12		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	76		79		82		82		78								19
18	73	76	75	71			78		74								18
17	69	72	70	67	74		74		70	68				75	64		17
16	65	68	66	64	70	60	69		66	63		76		71	61	58	16
15	61	63	62	60	66	56	65		62	59				67	57		15
14	57	59	58	57	62	52	61		58	54		67		63	53	50	14
13	53	55	54	53	58	48	57		54	50	64	63		59	50	46	13
12	49	50	50	50	54	44	53		49	45			50	55	46	42	12
11	45	46	45	46	50	40	49	53	45	41	56	54		51	42	38	11
10	41	42	41	42	46	36	44		41	36	51	50		47	39	34	10
9	37	37	37	39	42	32	40	44	37	31	47	45	36	43	35	30	9
8	33	33	33	35	38	28	36		33	27	43	41		39	31	26	8
7	29	29	29	32	34	24	32	34	29	22	39	36	26	35	28	22	7
6	25	24	25	28	30	19	28		24	18	34	32		31	24	18	6
5	21	20	20	25	26	15	24	25	20	13	30	27	17	27	20	14	5
4	17	16	16	21	22	11	19		16	9	26	23		23	17	11	4
3	13	11	12		18	7	15	15	12	4	22	18	7	19	13		3
2	9	7	8		14	3	11	11	8	0	17	14	2	15			2
1	5	3	4		10	0	7	6	4	0	13	9	0				1
0		0				0	3	1		0	9				2	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 20-34 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	86		79		87		77				88	88	88	82		19
18	82	82	76				73				84	83	84	78		18
17	78	78	72		77		68			74		79		74		17
16	73	74	69			60	64	59	64			74	75	70		16
15	69	69	65		67		59	55			70					15
14	65	65	62	63	62	51	54	51	55		66	65	66	62		14
13	61	61	58		57		50	47		58		60	62	58	60	13
12	57	57	54	57	52	43	45	44	45		57	56	57		56	12
11	53	52	51	54	47	39	41	40	41	50	52	51	53	50	53	11
10	48	48	47	51	42	34	36	36	36		48	47	48	46	49	10
9	44	44	44	48	37	30	31	32	32	41	43	42	44	42	45	9
8	40	39	40	44	32	26	27	28	27		39	38	39	39	41	8
7	36	35	37	41	27	22	22	25	23	33	34	33	35	35	38	7
6	32	31	33	38		18	18	21	18	29		29	31	31	34	6
5	27	27	30	35	17	13	13	17	14	25	25	24	26	27	30	5
4	23	22	26	32		9	9	13	9	21		20	22	23	27	4
3	19	18	23	29	7	5	4		5	17		15	17	19	23	3
2	15	14	19	26	2	1	0	6	0	13		11	13	15	19	2
1	11		16	23	0	0	0	2	0	8				11		1
0				20		0	0	0								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	80	81	100	100	79	84	80	87	83				77	77	19	
18	77	77	100	99	75	80	76	82	79				73	73	18	
17	73	74	97	94	71	76	72	77	74				69	69	17	
16	70	70	92	88	67	71	68	73	70				65	65	16	
15	66	66	86	83	63	67	63	68	65			57	62	61	15	
14	63	63	81	78	59	63	59	63	61	55			58	57	14	
13	60	59	75	72	55	58	55	59	56		54	51	54	53	13	
12	56	56	70	67	51	54	51	54	52	48			50	50	12	
11	53	52	64	62	47	50	47	49	47		47	45	46	46	11	
10	49	48	58	56	42	45	43	45	42	41	44	42	42	42	10	
9	46	45	53	51	38	41	39	40	38	37	41	39	38	38	9	
8	42	41	47	46	34	37	35	35	33	33	37	36	34	34	8	
7	39	37	42	40	30	32	31	30	29	30	34	33	30	30	7	
6	35	34	36	35	26	28	27	26	24	26	30	30	27	26	6	
5	32	30	31	30	22	24	23	21	20	22	27	27	23	22	5	
4	28	27	25	25	18	19	19	16	15	19	24	24	19	18	4	
3	25	23	19	19	14	15	15	12	11	15	20	21	15	14	3	
2	22	19	14	14	10	11	11	7	6	11	17	18	11	10	2	
1	18	16	8	9	6	7	7	2	2	8	13	15	7	6	1	
0	15	12	3	3	1	2		0							0	

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 35-39 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	76		91	91	81	77	78	82	75						19
18	72	72	86	86	77	73	74	78	71	70				81	18
17	68	68	81	82	73	69	70	74			77				17
16	64	64	76	78	68	65	66	70	63		73				16
15	60	59	70	73	64	62	63	66	59	60	70	69	56	68	15
14	55	55	65	69	60	58	59	62	55	57	66		53		14
13	51	51	60	65	56	54	55	59	51	54	62	62		59	13
12	47	46	55	60	52	50	51	55	47		58	58	47	55	12
11	43	42	50	56	47	46	48	51	43	47	54	54		50	11
10	38	38	45	51	43	42	44	47	39	44	51	51	42	46	10
9	34	33	40	47	39	38	40	43		41	47	47	39	42	9
8	30	29	34	43	35	34	36	39	32	37	43	44	36	37	8
7	26	25	29	38	30	30	33	35	28		39	40	33	33	7
6	21	20	24	34	26	27	29	31	24	31	36	37	30	29	6
5	17	16	19	30	22	23	25	27	20	28	32	33	27	24	5
4	13	12	14	25	18	19	21	23	16		28	29	25	20	4
3	9	7	9	21	13	15	18	19	12	21	24	26	22	16	3
2	5	3	4	16	9	11	14	15	8		20	22	19	11	2
1	0	0	0	12	5	7	10	11		15	17	19	16	7	1
0		0	0	8				7		12	13	15	13		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	80		82		84		87		77								19
18	76	81	78	74			83		73								18
17	72	77	74	70	76		79		69	68				76	65		17
16	68	72	70	66	72	63	74		65	63		76		72	61	58	16
15	64	68	66	63	68	59	70		61	59				68	58		15
14	60	64	62	59	64	55	66		56	54		67		64	54	50	14
13	56	59	57	56	60	51	62		52	50	64	62		60	50	46	13
12	52	55	53	52	56	46	58		48	45			50	56	47	42	12
11	48	51	49	49	52	42	54	54	44	41	55	54		52	43	38	11
10	44	46	45	45	48	38	49		40	36	51	49		48	39	34	10
9	40	42	41	41	44	34	45	45	36	31	47	45	36	44	36	30	9
8	36	38	37	38	40	30	41		31	27	43	40		40	32	26	8
7	32	33	32	34	36	26	37	35	27	22	39	36	26	36	28	22	7
6	28	29	28	31	32	22	33		23	18	34	31		32	25	18	6
5	24	25	24	27	28	18	29	26	19	13	30	27	17	28	21	14	5
4	20	20	20	24	24	14	24		15	9	26	22		24	17	10	4
3	16	16	16		20	10	20	16	11	4	22	18	7	20	14		3
2	12	12	12		16	5	16	11	7	0	17	13	2	16			2
1	8	7	7		12	1	12	7	2	0	13	9	0				1
0		3				0	8	2		0	9				3	0	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 35-39 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	87		81		90		80				91	91	92	85		19
18	83	84	77				75				87	86	87	81		18
17	79	80	74		80		71			78		82		77		17
16	75	76	70			63	66	61	67			77	79	73		16
15	70	72	66		70		61	57			73					15
14	66	67	63	64	65	55	57	53	58		69	68	70	65		14
13	62	63	59		60		52	50		61		64	65	61	60	13
12	58	59	56	57	55	46	48	46	49		60	59	61		56	12
11	54	54	52	54	49	42	43	42	44	53	55	54	56	53	53	11
10	50	50	49	51	44	38	39	38	40		51	50	52	49	49	10
9	45	46	45	48	39	34	34	34	35	45	46	45	48	45	45	9
8	41	42	42	45	34	29	29	31	31		42	41	43	41	41	8
7	37	37	38	42	29	25	25	27	26	37	37	36	39	37	38	7
6	33	33	35	39		21	20	23	22	32		32	34	33	34	6
5	29	29	31	36	19	17	16	19	17	28	28	27	30	29	30	5
4	24	24	28	33		13	11	15	13	24		23	25	25	27	4
3	20	20	24	30	9	8	6		8	20		18	21	21	23	3
2	16	16	21	27	4	4	2	8	4	16		14	17	17	19	2
1	12		17	23	0	0	0	4	0	12				13		1
0				20		0	0	0								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	83	83	100	100	84	88	83	92	88				80	80	19	
18	79	80	100	100	80	84	79	87	83				76	76	18	
17	76	76	98	94	76	79	75	82	79				72	72	17	
16	72	73	93	89	72	75	71	78	74				68	68	16	
15	69	69	87	84	68	71	67	73	70			59	65	65	15	
14	65	65	81	78	64	67	63	68	65	58			61	61	14	
13	62	62	76	73	59	62	59	63	61		55	53	57	57	13	
12	58	58	70	68	55	58	55	59	56	51			53	53	12	
11	55	55	65	62	51	54	51	54	52		48	47	49	49	11	
10	52	51	59	57	47	49	47	49	47	43	45	44	45	45	10	
9	48	47	54	52	43	45	43	45	42	40	41	41	41	41	9	
8	45	44	48	46	39	41	39	40	38	36	38	38	37	37	8	
7	41	40	42	41	35	36	35	35	33	33	34	35	33	33	7	
6	38	36	37	36	31	32	31	31	29	29	31	32	30	29	6	
5	34	33	31	31	27	28	27	26	24	25	28	29	26	25	5	
4	31	29	26	25	23	23	23	21	20	22	24	26	22	21	4	
3	27	26	20	20	18	19	18	16	15	18	21	23	18	17	3	
2	24	22	15	15	14	15	14	12	11	14	17	20	14	13	2	
1	21	18	9	9	10	10	10	7	6	11	14	17	10	9	1	
0	17	15	4	4	6	6		2							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 40-44 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	76		94	93	83	78	78	83	75						19
18	72	71	89	89	79	74	74	79	71	70				83	18
17	68	67	83	84	75	70	71	75			78				17
16	64	63	78	80	71	67	67	71	63		74				16
15	60	58	73	76	66	63	63	67	59	60	71	69	55	69	15
14	55	54	68	71	62	59	59	63	55	57	67		52		14
13	51	50	63	67	58	55	56	59	51	54	63	62		61	13
12	47	45	58	63	54	51	52	55	47		59	58	46	56	12
11	43	41	53	58	49	47	48	51	43	48	55	55		52	11
10	38	37	47	54	45	43	44	47	39	44	52	51	40	48	10
9	34	32	42	49	41	39	41	43		41	48	48	38	43	9
8	30	28	37	45	37	36	37	39	32	38	44	44	35	39	8
7	26	24	32	41	32	32	33	35	28		40	41	32	35	7
6	21	19	27	36	28	28	29	31	24	31	37	37	29	30	6
5	17	15	22	32	24	24	26	27	20	28	33	33	26	26	5
4	13	11	17	28	20	20	22	24	16		29	30	23	22	4
3	9	6	12	23	16	16	18	20	12	22	25	26	21	17	3
2	5	2	6	19	11	12	14	16	8		22	23	18	13	2
1	0	0	1	14	7	8	10	12		15	18	19	15	9	1
0		0	0	10				8		12	14	16	12		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	80		84		84		89		77								19
18	76	83	80	74			85		73								18
17	72	79	76	70	76		81		69	68				76	65		17
16	68	75	72	67	72	64	77		65	63		76		72	62	58	16
15	64	70	68	63	68	60	73		61	59				68	58		15
14	60	66	63	60	64	56	69		56	54		67		64	54	50	14
13	56	62	59	56	60	52	64		52	50	64	63		60	51	46	13
12	52	57	55	52	56	48	60		48	45			50	56	47	42	12
11	48	53	51	49	52	44	56	55	44	41	55	54		52	43	38	11
10	44	49	47	45	48	39	52		40	36	51	50		48	40	34	10
9	40	44	43	42	44	35	48	45	36	31	47	45	36	44	36	30	9
8	36	40	38	38	40	31	44		31	27	43	41		40	32	26	8
7	32	36	34	35	36	27	39	36	27	22	39	36	26	36	29	22	7
6	28	31	30	31	32	23	35		23	18	34	32		32	25	18	6
5	24	27	26	27	28	19	31	26	19	13	30	27	17	28	21	14	5
4	20	23	22	24	24	15	27		15	9	26	23		24	18	10	4
3	16	18	18		20	11	23	17	11	4	22	18	7	20	14		3
2	12	14	13		16	7	18	12	7	0	17	14	3	16			2
1	8	10	9		12	3	14	7	2	0	13	9	0				1
0		5				0	10	2		0	9				3	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 40-44 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	88		81		91		81				92	92	94	86		19
18	84	86	78				77				88	88	89	82		18
17	79	81	74		81		72			80		83		78		17
16	75	77	71			65	68	62	69			79	80	74		16
15	71	73	67		71		63	59			74					15
14	67	68	64	64	66	57	58	55	59		70	70	71	66		14
13	63	64	60		61		54	51		63		65	67	62	60	13
12	58	60	57	58	56	48	49	47	50		61	60	63		56	12
11	54	56	53	55	51	44	45	43	46	55	56	56	58	54	53	11
10	50	51	50	52	46	40	40	40	41		52	51	54	50	49	10
9	46	47	46	48	41	35	36	36	37	47	48	47	49	46	45	9
8	42	43	42	45	36	31	31	32	32		43	42	45	42	41	8
7	38	38	39	42	31	27	26	28	28	38	39	38	41	38	38	7
6	33	34	35	39		23	22	24	23	34		33	36	34	34	6
5	29	30	32	36	20	19	17	21	19	30	30	29	32	30	30	5
4	25	26	28	33		14	13	17	14	26		24	27	26	27	4
3	21	21	25	30	10	10	8		10	22		20	23	22	23	3
2	17	17	21	27	5	6	3	9	5	18		15	18	18	19	2
1	12		18	24	0	2	0	5	1	14				14		1
0				21		0	0	2								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	84	85	100	100	86	90	85	94	90				82	82	19	
18	80	81	100	100	82	86	81	89	86				78	78	18	
17	77	78	99	95	78	82	77	85	81				74	74	17	
16	73	74	93	90	74	78	73	80	76				70	70	16	
15	70	70	88	84	70	73	69	75	72			62	66	66	15	
14	67	67	82	79	66	69	65	71	67	60			62	62	14	
13	63	63	76	74	62	65	61	66	63		56	56	58	58	13	
12	60	59	71	68	58	60	57	61	58	53			54	54	12	
11	56	56	65	63	54	56	53	56	54		49	50	50	50	11	
10	53	52	60	58	50	52	49	52	49	45	46	47	47	46	10	
9	49	49	54	52	45	47	45	47	45	42	43	44	43	42	9	
8	46	45	49	47	41	43	41	42	40	38	39	41	39	38	8	
7	42	41	43	42	37	39	37	38	36	34	36	38	35	34	7	
6	39	38	37	36	33	34	32	33	31	31	32	35	31	31	6	
5	36	34	32	31	29	30	28	28	26	27	29	32	27	27	5	
4	32	30	26	26	25	26	24	24	22	23	26	29	23	23	4	
3	29	27	21	20	21	21	20	19	17	20	22	26	19	19	3	
2	25	23	15	15	17	17	16	14	13	16	19	23	16	15	2	
1	22	20	10	10	13	13	12	9	8	12	15	20	12	11	1	
0	18	16	4	5	8	8		5							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 45-49 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	75		96	95	85	79	79	84	75						19
18	71	70	91	91	81	76	75	80	71	71				84	18
17	66	66	86	87	77	72	71	76			79				17
16	62	61	81	82	73	68	67	72	63		75				16
15	58	57	76	78	68	64	64	68	59	61	72	69	55	71	15
14	54	53	71	74	64	60	60	64	55	58	68		53		14
13	49	48	66	69	60	56	56	60	51	54	64	62		62	13
12	45	44	61	65	56	52	52	56	47		60	59	47	58	12
11	41	40	55	60	51	48	49	52	43	48	57	55		54	11
10	37	36	50	56	47	45	45	48	39	45	53	52	41	49	10
9	33	31	45	52	43	41	41	44		42	49	48	38	45	9
8	28	27	40	47	39	37	37	40	32	38	45	45	36	41	8
7	24	23	35	43	35	33	34	36	28		41	41	33	36	7
6	20	18	30	39	30	29	30	32	24	32	38	37	30	32	6
5	16	14	25	34	26	25	26	28	20	29	34	34	27	28	5
4	11	10	19	30	22	21	22	24	16		30	30	24	23	4
3	7	5	14	25	18	17	19	20	12	22	26	27	21	19	3
2	3	1	9	21	13	14	15	16	8		23	23	19	15	2
1	0	0	4	17	9	10	11	12		16	19	20	16	10	1
0		0	0	12				9		12	15	16	13		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	83		86		86		92		76								19
18	79	86	82	75			88		72								18
17	75	81	78	71	78		84		68	68				75	66		17
16	71	77	74	68	74	65	79		63	63		77		71	62	58	16
15	67	73	69	64	70	61	75		59	59				67	58		15
14	63	68	65	61	66	57	71		55	54		68		63	55	50	14
13	59	64	61	57	62	53	67		51	50	64	64		59	51	46	13
12	55	60	57	54	58	49	63		47	45			50	55	47	42	12
11	51	55	53	50	54	45	59	55	43	41	55	55		51	44	38	11
10	47	51	49	47	50	41	54		38	36	51	50		47	40	34	10
9	43	47	44	43	46	37	50	46	34	31	47	46	36	43	36	30	9
8	39	42	40	39	42	32	46		30	27	43	41		39	33	26	8
7	35	38	36	36	38	28	42	36	26	22	39	37	27	35	29	22	7
6	31	34	32	32	34	24	38		22	18	34	32		31	25	18	6
5	27	29	28	29	30	20	33	27	18	13	30	28	17	27	22	14	5
4	23	25	24	25	26	16	29		13	9	26	23		23	18	10	4
3	19	20	19		22	12	25	17	9	4	22	19	7	19	14		3
2	15	16	15		18	8	21	12	5	0	17	14	3	15			2
1	11	12	11		14	4	17	8	1	0	13	10	0				1
0		7				0	13	3		0	9				3	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 45-49 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	88		82		92		83				94	94	95	87		19
18	84	87	79				79				89	89	91	83		18
17	80	82	75		82		74			81		85		79		17
16	76	78	71			67	69	64	70			80	82	75		16
15	72	74	68		72		65	60			76					15
14	67	69	64	64	67	58	60	56	61		71	71	73	67		14
13	63	65	61		62		56	53		65		67	69	63	60	13
12	59	61	57	58	57	50	51	49	52		62	62	64		56	12
11	55	57	54	55	52	46	46	45	48	56	58	57	60	55	53	11
10	51	52	50	52	47	41	42	41	43		53	53	56	51	49	10
9	47	48	47	49	42	37	37	37	39	48	49	48	51	47	45	9
8	42	44	43	46	37	33	33	34	34		44	44	47	43	41	8
7	38	40	40	43	32	29	28	30	30	40	40	39	42	39	38	7
6	34	35	36	40		25	24	26	25	36		35	38	35	34	6
5	30	31	33	36	22	20	19	22	21	32	31	30	33	31	30	5
4	26	27	29	33		16	14	18	16	28		26	29	27	27	4
3	21	22	25	30	12	12	10		12	23		21	25	23	23	3
2	17	18	22	27	7	8	5	11	7	19		17	20	19	19	2
1	13		18	24	2	3	1	7	3	15				15		1
0				21		0	0	3								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	85	86	100	100	89	93	87	96	92				83	83	19	
18	82	82	100	100	85	89	83	92	88				79	79	18	
17	78	79	99	95	81	84	79	87	83				75	76	17	
16	75	75	94	90	76	80	75	82	79				71	72	16	
15	71	72	88	85	72	76	71	78	74			64	67	68	15	
14	68	68	83	80	68	71	67	73	70	62			64	64	14	
13	64	64	77	74	64	67	63	68	65		58	58	60	60	13	
12	61	61	72	69	60	63	59	64	61	55			56	56	12	
11	57	57	66	64	56	58	55	59	56		51	52	52	52	11	
10	54	53	60	58	52	54	50	54	51	47	48	49	48	48	10	
9	51	50	55	53	48	50	46	49	47	44	44	46	44	44	9	
8	47	46	49	48	44	46	42	45	42	40	41	43	40	40	8	
7	44	43	44	42	40	41	38	40	38	36	38	40	36	36	7	
6	40	39	38	37	35	37	34	35	33	33	34	37	33	32	6	
5	37	35	33	32	31	33	30	31	29	29	31	34	29	28	5	
4	33	32	27	26	27	28	26	26	24	25	28	31	25	24	4	
3	30	28	21	21	23	24	22	21	20	22	24	28	21	20	3	
2	26	25	16	16	19	20	18	17	15	18	21	25	17	16	2	
1	23	21	10	11	15	15	14	12	11	14	17	22	13	12	1	
0	19	17	5	5	11	11		7							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 50-54 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	75		99	98	87	81	79	85	75						19
18	71	69	94	93	83	77	76	81	71	71				86	18
17	66	65	89	89	79	73	72	77			80				17
16	62	60	84	85	75	69	68	73	63		77				16
15	58	56	79	80	70	65	64	69	59	61	73	70	56	73	15
14	54	52	74	76	66	61	61	65	55	58	69		53		14
13	49	47	68	72	62	57	57	61	51	55	65	63		64	13
12	45	43	63	67	58	54	53	57	47		61	59	48	60	12
11	41	39	58	63	54	50	49	53	43	49	58	56		55	11
10	37	34	53	58	49	46	45	49	39	45	54	52	42	51	10
9	33	30	48	54	45	42	42	45		42	50	48	39	47	9
8	28	26	43	50	41	38	38	41	32	39	46	45	36	42	8
7	24	21	38	45	37	34	34	37	28		43	41	34	38	7
6	20	17	32	41	32	30	30	33	24	32	39	38	31	34	6
5	16	13	27	37	28	26	27	29	20	29	35	34	28	29	5
4	11	9	22	32	24	23	23	25	16		31	31	25	25	4
3	7	4	17	28	20	19	19	21	12	23	27	27	22	21	3
2	3	0	12	23	15	15	15	18	8		24	23	19	16	2
1	0	0	7	19	11	11	12	14		16	20	20	16	12	1
0		0	2	15				10		13	16	16	14		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	83		88		86		94		76								19
18	79	88	84	76			90		72								18
17	75	84	80	73	78		86		68	68				74	66		17
16	71	79	75	69	74	67	82		63	63		78		70	62	58	16
15	67	75	71	66	70	62	78		59	59				66	59		15
14	63	71	67	62	66	58	74		55	54		69		62	55	50	14
13	59	66	63	58	62	54	69		51	50	64	64		58	51	46	13
12	55	62	59	55	58	50	65		47	45			51	54	48	42	12
11	51	58	55	51	54	46	61	56	43	41	55	55		50	44	38	11
10	47	53	50	48	50	42	57		38	36	51	51		46	40	34	10
9	43	49	46	44	46	38	53	46	34	31	47	46	36	42	37	30	9
8	39	45	42	41	42	34	48		30	27	43	42		38	33	26	8
7	35	40	38	37	38	30	44	37	26	22	38	37	27	34	29	22	7
6	31	36	34	34	34	25	40		22	18	34	33		30	26	18	6
5	27	31	30	30	30	21	36	27	18	13	30	28	17	26	22	14	5
4	23	27	25	26	26	17	32		13	9	26	24		22	18	10	4
3	19	23	21		22	13	28	18	9	4	22	20	7	18	15		3
2	15	18	17		18	9	23	13	5	0	17	15	3	14			2
1	11	14	13		14	5	19	8	1	0	13	11	0				1
0		10				1	15	3		0	9				4	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 50-54 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	89		83		93		85				95	95	97	88		19
18	85	88	79				80				91	91	93	84		18
17	81	83	76		83		76			83		86		80		17
16	76	79	72			69	71	66	72			82	84	76		16
15	72	75	69		73		67	62			77					15
14	68	71	65	64	68	60	62	58	63		73	73	75	68		14
13	64	66	62		63		58	54		66		68	71	64	60	13
12	60	62	58	58	58	52	53	51	54		64	63	66		56	12
11	55	58	54	55	53	47	48	47	49	58	59	59	62	56	53	11
10	51	53	51	52	48	43	44	43	45		55	54	57	52	49	10
9	47	49	47	49	43	39	39	39	40	50	50	50	53	48	45	9
8	43	45	44	46	38	35	35	35	36		46	45	49	44	41	8
7	39	41	40	43	33	31	30	32	31	42	41	41	44	40	38	7
6	35	36	37	40		26	25	28	27	38		36	40	37	34	6
5	30	32	33	37	23	22	21	24	22	33	32	32	35	33	30	5
4	26	28	30	34		18	16	20	18	29		27	31	29	27	4
3	22	23	26	31	13	14	12		13	25		23	26	25	23	3
2	18	19	23	27	8	9	7	13	9	21		18	22	21	19	2
1	14		19	24	3	5	3	9	4	17				17		1
0				21		1	0	5								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	86	87	100	100	91	96	89	99	95				84	85	19	
18	83	84	100	100	87	91	85	94	90				81	81	18	
17	79	80	100	96	83	87	81	89	85				77	77	17	
16	76	76	95	91	79	83	77	85	81				73	73	16	
15	72	73	89	86	75	78	73	80	76			67	69	69	15	
14	69	69	84	80	71	74	69	75	72	64			65	65	14	
13	65	66	78	75	67	70	64	71	67		60	61	61	61	13	
12	62	62	72	70	62	65	60	66	63	57			57	57	12	
11	59	58	67	64	58	61	56	61	58		54	55	53	53	11	
10	55	55	61	59	54	57	52	57	54	49	50	52	50	49	10	
9	52	51	56	54	50	53	48	52	49	46	47	49	46	45	9	
8	48	48	50	49	46	48	44	47	45	42	43	46	42	42	8	
7	45	44	45	43	42	44	40	42	40	38	40	43	38	38	7	
6	41	40	39	38	38	40	36	38	35	35	37	40	34	34	6	
5	38	37	33	33	34	35	32	33	31	31	33	37	30	30	5	
4	34	33	28	27	30	31	28	28	26	28	30	34	26	26	4	
3	31	29	22	22	25	27	24	24	22	24	26	31	22	22	3	
2	28	26	17	17	21	22	20	19	17	20	23	28	19	18	2	
1	24	22	11	11	17	18	16	14	13	17	20	25	15	14	1	
0	21	19	6	6	13	14		10							0	

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 55-59 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	73		100	100	90	82	80	86	77						19
18	69	68	97	96	85	78	76	82	74	72				88	18
17	65	64	92	91	81	74	73	78			81				17
16	61	59	87	87	77	70	69	74	66		78				16
15	56	55	81	83	73	66	65	70	62	62	74	70	57	75	15
14	52	51	76	78	68	63	61	66	58	59	70		54		14
13	48	46	71	74	64	59	58	62	54	55	66	63		66	13
12	44	42	66	70	60	55	54	58	50		62	60	49	61	12
11	39	38	61	65	56	51	50	54	46	49	59	56		57	11
10	35	33	56	61	51	47	46	50	42	46	55	52	43	53	10
9	31	29	51	56	47	43	43	47		43	51	49	40	48	9
8	27	25	45	52	43	39	39	43	34	39	47	45	37	44	8
7	22	20	40	48	39	35	35	39	31		44	42	34	40	7
6	18	16	35	43	34	31	31	35	27	33	40	38	32	35	6
5	14	12	30	39	30	28	28	31	23	30	36	35	29	31	5
4	10	7	25	35	26	24	24	27	19		32	31	26	27	4
3	6	3	20	30	22	20	20	23	15	23	28	27	23	22	3
2	1	0	15	26	18	16	16	19	11		25	24	20	18	2
1	0	0	10	21	13	12	12	15		17	21	20	17	14	1
0		0	4	17				11		13	17	17	14		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		90		90		97		75								19
18	86	94	86	78			93		70								18
17	82	89	81	74	82		89		66	68				73	66		17
16	78	85	77	70	78	72	84		62	63		78		69	63	58	16
15	74	80	73	67	74	67	80		58	59				65	59		15
14	70	76	69	63	70	63	76		54	54		69		61	55	50	14
13	66	72	65	60	66	59	72		50	50	64	65		57	52	46	13
12	62	67	61	56	62	55	68		45	45			51	53	48	42	12
11	58	63	56	53	58	51	64	56	41	41	55	56		49	44	38	11
10	54	59	52	49	54	47	59		37	36	51	51		45	41	34	10
9	50	54	48	45	50	43	55	47	33	31	47	47	36	41	37	30	9
8	46	50	44	42	46	39	51		29	27	43	42		37	33	26	8
7	42	46	40	38	43	35	47	37	25	22	38	38	27	33	30	22	7
6	38	41	36	35	39	30	43		20	18	34	34		29	26	18	6
5	34	37	31	31	35	26	38	28	16	13	30	29	17	25	22	14	5
4	30	33	27	28	31	22	34		12	9	26	25		21	19	10	4
3	26	28	23		27	18	30	18	8	4	22	20	7	17	15		3
2	22	24	19		23	14	26	13	4	0	17	16	3	13			2
1	18	20	15		19	10	22	9	0	0	13	11	0				1
0		15				6	18	4	0	0	9				4	0	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 55-59 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	90		84		95		87				97	97	99	89		19
18	85	89	80				83				92	92	95	85		18
17	81	85	76		85		78			85		88		81		17
16	77	80	73			70	73	68	73			83	86	77		16
15	73	76	69		75		69	64			79					15
14	69	72	66	65	70	62	64	60	64		74	74	77	70		14
13	64	67	62		64		60	56		68		70	73	66	60	13
12	60	63	59	59	59	53	55	53	55		65	65	68		56	12
11	56	59	55	56	54	49	50	49	51	60	61	60	64	58	53	11
10	52	55	52	52	49	45	46	45	46		56	56	59	54	49	10
9	48	50	48	49	44	41	41	41	42	52	52	51	55	50	45	9
8	43	46	45	46	39	37	37	37	37		47	47	50	46	41	8
7	39	42	41	43	34	32	32	34	33	43	43	42	46	42	38	7
6	35	37	38	40		28	28	30	28	39		38	42	38	34	6
5	31	33	34	37	24	24	23	26	24	35	34	33	37	34	30	5
4	27	29	30	34		20	18	22	19	31		29	33	30	27	4
3	23	25	27	31	14	15	14		15	27		24	28	26	23	3
2	18	20	23	28	9	11	9	15	10	23		20	24	22	19	2
1	14		20	25	4	7	5	11	6	19				18		1
0				22		3	0	7								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	87	89	100	100	93	98	91	100	97				86	87	19	
18	84	85	100	100	89	94	87	97	92				82	83	18	
17	80	81	100	97	85	90	83	92	88				78	79	17	
16	77	78	96	92	81	85	78	87	83				74	75	16	
15	74	74	90	87	77	81	74	82	79			69	70	71	15	
14	70	71	85	81	73	77	70	78	74	67			67	67	14	
13	67	67	79	76	69	72	66	73	70		63	64	63	63	13	
12	63	63	74	71	65	68	62	68	65	59			59	59	12	
11	60	60	68	65	61	64	58	64	60		56	58	55	55	11	
10	56	56	62	60	57	60	54	59	56	52	53	55	51	51	10	
9	53	52	57	55	52	55	50	54	51	48	49	52	47	47	9	
8	49	49	51	50	48	51	46	50	47	45	46	49	43	43	8	
7	46	45	46	44	44	47	42	45	42	41	42	46	39	39	7	
6	43	42	40	39	40	42	38	40	38	37	39	43	36	35	6	
5	39	38	35	34	36	38	34	35	33	34	36	40	32	31	5	
4	36	34	29	28	32	34	30	31	29	30	32	37	28	27	4	
3	32	31	23	23	28	29	26	26	24	26	29	34	24	23	3	
2	29	27	18	18	24	25	22	21	20	23	26	31	20	19	2	
1	25	23	12	12	20	21	18	17	15	19	22	28	16	15	1	
0	22	20	7	7	15	16		12							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 60-64 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	73		100	100	92	83	81	88	77						19
18	69	67	100	98	87	79	77	84	74	72				89	18
17	65	62	94	94	83	75	74	80			82				17
16	61	58	89	89	79	71	70	76	66		79				16
15	56	54	84	85	75	68	66	72	62	62	75	71	58	76	15
14	52	50	79	81	70	64	62	68	58	59	71		55		14
13	48	45	74	76	66	60	59	64	54	56	67	64		67	13
12	44	41	69	72	62	56	55	60	50		64	60	49	63	12
11	39	37	64	67	58	52	51	56	46	50	60	56		59	11
10	35	32	59	63	54	48	47	52	42	46	56	53	44	54	10
9	31	28	53	59	49	44	43	48		43	52	49	41	50	9
8	27	24	48	54	45	40	40	44	34	40	48	46	38	46	8
7	22	19	43	50	41	37	36	40	31		45	42	35	41	7
6	18	15	38	46	37	33	32	36	27	33	41	39	32	37	6
5	14	11	33	41	32	29	28	32	23	30	37	35	29	33	5
4	10	6	28	37	28	25	25	28	19		33	31	27	28	4
3	6	2	23	32	24	21	21	24	15	24	30	28	24	24	3
2	1	0	17	28	20	17	17	20	11		26	24	21	20	2
1	0	0	12	24	15	13	13	16		17	22	21	18	15	1
0		0	7	19				12		14	18	17	15		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	90		92		90		99		75								19
18	86	96	87	79			95		70								18
17	82	91	83	75	82		91		66	68				71	67		17
16	78	87	79	72	78	73	87		62	63		79		67	63	58	16
15	74	83	75	68	74	69	83		58	59				63	59		15
14	70	78	71	65	70	65	79		54	54		70		59	56	50	14
13	66	74	67	61	66	60	74		50	50	64	65		55	52	46	13
12	62	70	62	57	62	56	70		45	45			51	51	48	42	12
11	58	65	58	54	58	52	66	57	41	41	55	56		47	45	38	11
10	54	61	54	50	54	48	62		37	36	51	52		43	41	34	10
9	50	57	50	47	50	44	58	47	33	31	47	48	36	39	37	30	9
8	46	52	46	43	46	40	53		29	27	43	43		35	34	26	8
7	42	48	42	40	43	36	49	38	25	22	38	39	27	31	30	22	7
6	38	44	37	36	39	32	45		20	18	34	34		27	26	18	6
5	34	39	33	32	35	28	41	28	16	13	30	30	17	23	23	14	5
4	30	35	29	29	31	23	37		12	9	26	25		19	19	10	4
3	26	31	25		27	19	33	19	8	4	22	21	8	15	15		3
2	22	26	21		23	15	28	14	4	0	17	16	3	11			2
1	18	22	17		19	11	24	9	0	0	13	12	0				1
0		18				7	20	4		0	9				4	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 60-64 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	90		84		96		89				98	98	100	91		19
18	86	90	81				85				93	94	97	87		18
17	82	86	77		86		80			86		89		83		17
16	78	81	74			72	76	70	75			85	88	79		16
15	73	77	70		76		71	66			80					15
14	69	73	67	65	71	64	67	62	66		76	76	79	71		14
13	65	68	63		66		62	58		70		71	74	67	60	13
12	61	64	59	59	61	55	57	55	57		67	67	70		56	12
11	57	60	56	56	56	51	53	51	53	62	62	62	66	59	53	11
10	52	56	52	53	51	47	48	47	48		58	57	61	55	49	10
9	48	51	49	50	46	43	44	43	44	53	53	53	57	51	45	9
8	44	47	45	47	40	38	39	39	39		49	48	52	47	41	8
7	40	43	42	44	35	34	34	36	35	45	44	44	48	43	38	7
6	36	39	38	40		30	30	32	30	41		39	43	39	34	6
5	32	34	35	37	25	26	25	28	26	37	35	35	39	35	30	5
4	27	30	31	34		21	21	24	21	33		30	35	31	27	4
3	23	26	28	31	15	17	16		17	29		26	30	27	23	3
2	19	21	24	28	10	13	12	17	12	24		21	26	23	19	2
1	15		21	25	5	9	7	13	8	20				19		1
0				22		5	2	9								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	89	90	100	100	96	100	92	100	99				87	88	19
18	85	86	100	100	92	97	88	99	95				84	84	18
17	82	83	100	99	88	92	84	94	90				80	80	17
16	78	79	97	93	84	88	80	90	85				76	76	16
15	75	75	91	88	79	84	76	85	81			71	72	72	15
14	71	72	86	83	75	79	72	80	76	69			68	68	14
13	68	68	80	77	71	75	68	75	72		66	65	64	64	13
12	64	65	75	72	67	71	64	71	67	62			60	60	12
11	61	61	69	67	63	66	60	66	63		59	59	56	57	11
10	58	57	64	61	59	62	56	61	58	55	55	56	53	53	10
9	54	54	58	56	55	58	52	57	54	51	52	53	49	49	9
8	51	50	53	51	51	53	48	52	49	47	49	50	45	45	8
7	47	46	47	45	47	49	44	47	45	44	45	47	41	41	7
6	44	43	41	40	42	45	40	43	40	40	42	44	37	37	6
5	40	39	36	35	38	41	36	38	35	36	38	41	33	33	5
4	37	36	30	30	34	36	32	33	31	33	35	38	29	29	4
3	33	32	25	24	30	32	28	28	26	29	32	35	25	25	3
2	30	28	19	19	26	28	24	24	22	25	28	32	22	21	2
1	27	25	14	14	22	23	20	19	17	22	25	29	18	17	1
0	23	21	8	8	18	19		14							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 65-69 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	72		100	100	94	84	82	89	77						19
18	67	66	100	100	89	80	78	85	74	73				91	18
17	63	61	97	96	85	77	75	82			84				17
16	59	57	92	92	81	73	71	78	66		80				16
15	55	53	87	87	77	69	67	74	62	63	76	71	59	78	15
14	50	48	82	83	73	65	63	70	58	60	72		56		14
13	46	44	77	79	68	61	60	66	54	56	68	64		69	13
12	42	40	72	74	64	57	56	62	50		65	60	50	65	12
11	38	35	66	70	60	53	52	58	46	50	61	57		60	11
10	33	31	61	65	56	49	48	54	42	47	57	53	45	56	10
9	29	27	56	61	51	46	45	50		44	53	50	42	52	9
8	25	23	51	57	47	42	41	46	34	40	50	46	39	47	8
7	21	18	46	52	43	38	37	42	31		46	43	36	43	7
6	17	14	41	48	39	34	33	38	27	34	42	39	33	39	6
5	12	10	36	44	34	30	30	34	23	31	38	35	30	34	5
4	8	5	30	39	30	26	26	30	19		34	32	27	30	4
3	4	1	25	35	26	22	22	26	15	24	31	28	25	26	3
2	0	0	20	30	22	18	18	22	11		27	25	22	21	2
1	0	0	15	26	18	15	15	18		18	23	21	19	17	1
0		0	10	22				14		14	19	18	16		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	93		93		92		100		73								19
18	89	98	89	80			98		69								18
17	85	94	85	77	84		94		65	68				69	67		17
16	81	89	81	73	80	74	89		61	63		79		65	63	58	16
15	77	85	77	69	76	70	85		57	59				61	60		15
14	73	81	73	66	72	66	81		52	54		70		57	56	50	14
13	69	76	68	62	68	62	77		48	50	64	66		53	52	46	13
12	65	72	64	59	64	58	73		44	45			51	49	49	42	12
11	61	68	60	55	60	53	68	57	40	41	55	57		45	45	38	11
10	57	63	56	52	56	49	64		36	36	51	53		41	41	34	10
9	53	59	52	48	52	45	60	48	32	31	47	48	36	37	38	30	9
8	49	55	48	44	48	41	56		27	27	43	44		33	34	26	8
7	45	50	43	41	44	37	52	38	23	22	38	39	27	29	30	22	7
6	41	46	39	37	40	33	48		19	18	34	35		25	27	18	6
5	37	42	35	34	36	29	43	29	15	13	30	30	17	21	23	14	5
4	33	37	31	30	32	25	39		11	9	26	26		17	19	10	4
3	29	33	27		29	21	35	19	7	4	22	21	8	13	16		3
2	25	29	23		25	17	31	14	3	0	17	17	3	9			2
1	22	24	18		21	12	27	9	0	0	13	12	0				1
0		20				8	23	5	0	0	9				5	0	0

(continued)

# APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 65-69 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	91		85		97		92				99	100	100	92		19
18	87	91	81				87				95	95	98	88		18
17	82	87	78		87		83			88		91		84		17
16	78	82	74			74	78	72	77			86	89	80		16
15	74	78	71		77		74	68			81					15
14	70	74	67	65	72	65	69	65	68		77	77	81	72		14
13	66	70	64		67		64	61		71		73	76	68	60	13
12	61	65	60	59	62	57	60	57	59		68	68	72		56	12
11	57	61	57	56	57	53	55	53	54	63	63	63	67	60	53	11
10	53	57	53	53	52	48	51	49	50		59	59	63	56	49	10
9	49	52	50	50	47	44	46	46	45	55	54	54	59	52	45	9
8	45	48	46	47	42	40	42	42	41		50	50	54	48	41	8
7	40	44	43	44	37	36	37	38	36	47	45	45	50	44	38	7
6	36	40	39	41		32	32	34	32	43		41	45	40	34	6
5	32	35	35	38	27	27	28	30	27	38	37	36	41	36	30	5
4	28	31	32	35		23	23	27	23	34		32	36	32	27	4
3	24	27	28	31	17	19	19		18	30		27	32	28	23	3
2	20	22	25	28	11	15	14	19	14	26		23	28	24	19	2
1	15		21	25	6	10	9	15	9	22				20		1
0			22			6	5	11								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons															Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L		
19	90	91	100	100	98	100	94	100	100				89	90	19	
18	86	88	100	100	94	99	90	100	97				85	86	18	
17	83	84	100	100	90	95	86	97	92				81	82	17	
16	79	80	99	95	86	90	82	92	88				77	78	16	
15	76	77	93	89	82	86	78	87	83			74	73	74	15	
14	73	73	87	84	78	82	74	83	79	72			70	70	14	
13	69	69	82	79	74	78	70	78	74		68	68	66	66	13	
12	66	66	76	73	69	73	66	73	69	65			62	62	12	
11	62	62	71	68	65	69	62	68	65		62	62	58	58	11	
10	59	59	65	63	61	65	58	64	60	57	58	59	54	54	10	
9	55	55	60	57	57	60	54	59	56	54	55	56	50	50	9	
8	52	51	54	52	53	56	50	54	51	50	51	53	46	46	8	
7	48	48	48	47	49	52	46	50	47	46	48	50	42	42	7	
6	45	44	43	42	45	47	42	45	42	43	45	47	39	38	6	
5	42	41	37	36	41	43	38	40	38	39	41	44	35	34	5	
4	38	37	32	31	37	39	33	36	33	35	38	41	31	30	4	
3	35	33	26	26	32	34	29	31	29	32	34	38	27	26	3	
2	31	30	21	20	28	30	25	26	24	28	31	35	23	23	2	
1	28	26	15	15	24	26	21	21	19	25	28	32	19	19	1	
0	24	22	9	10	20	21		17							0	

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 70-74 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	70		100	100	96	86	83	92	77						19
18	66	65	100	100	92	82	80	88	74	73				93	18
17	61	60	100	98	87	78	76	84			85				17
16	57	56	95	94	83	74	72	80	66		81				16
15	53	52	90	90	79	70	68	76	62	63	77	71	60	80	15
14	49	47	85	85	75	66	65	72	58	60	73		57		14
13	45	43	79	81	70	62	61	68	54	57	69	64		71	13
12	40	39	74	77	66	58	57	64	50		66	61	51	66	12
11	36	34	69	72	62	55	53	60	46	50	62	57		62	11
10	32	30	64	68	58	51	50	56	42	47	58	54	45	58	10
9	28	26	59	63	53	47	46	52		44	54	50	42	53	9
8	23	21	54	59	49	43	42	48	34	41	51	46	40	49	8
7	19	17	49	55	45	39	38	44	31		47	43	37	45	7
6	15	13	43	50	41	35	35	40	27	34	43	39	34	40	6
5	11	8	38	46	37	31	31	36	23	31	39	36	31	36	5
4	6	4	33	42	32	27	27	32	19		35	32	28	32	4
3	2	0	28	37	28	23	23	28	15	25	32	29	25	27	3
2	0	0	23	33	24	20	20	24	11		28	25	23	23	2
1	0	0	18	28	20	16	16	20		18	24	22	20	19	1
0		0	13	24				16		15	20	18	17		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	96		95		94		100		72								19
18	92	100	91	81			100		68								18
17	88	96	87	78	86		96		64	68				67	67		17
16	84	92	83	74	82	75	92		59	63		80		63	64	57	16
15	80	87	79	71	78	71	88		55	59				59	60		15
14	76	83	74	67	74	67	83		51	54		71		55	56	49	14
13	72	79	70	64	70	63	79		47	50	64	67		51	53	46	13
12	68	74	66	60	66	59	75		43	45			51	47	49	42	12
11	64	70	62	56	62	55	71	58	39	41	55	58		43	45	38	11
10	60	66	58	53	58	51	67		34	36	51	53		39	42	34	10
9	56	61	54	49	54	46	63	48	30	31	47	49	36	35	38	30	9
8	52	57	49	46	50	42	58		26	27	43	44		31	34	26	8
7	48	53	45	42	46	38	54	39	22	22	38	40	27	27	31	22	7
6	44	48	41	39	42	34	50		18	18	34	35		23	27	18	6
5	41	44	37	35	38	30	46	29	14	13	30	31	17	19	23	14	5
4	37	40	33	31	34	26	42		10	9	26	26		15	20	10	4
3	33	35	29		30	22	38	19	5	4	21	22	8	11	16		3
2	29	31	24		26	18	33	15	1	0	17	17	3	7			2
1	25	27	20		22	14	29	10	0	0	13	13	0				1
0		22				10	25	5	0	0	9				5	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 70-74 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	91		86		98		95				100	100	100	93		19
18	87	92	82				90				96	97	100	89		18
17	83	88	79		88		86			90		92		85		17
16	79	84	75			76	81	75	78			88	91	81		16
15	75	79	72		78		76	71			83					15
14	70	75	68	66	73	67	72	67	69		78	79	82	73		14
13	66	71	64		68		67	63		73		74	78	69	60	13
12	62	66	61	60	63	59	63	59	60		69	70	74		56	12
11	58	62	57	56	58	54	58	56	56	65	65	65	69	61	53	11
10	54	58	54	53	53	50	53	52	51		60	60	65	57	49	10
9	49	54	50	50	48	46	49	48	47	57	56	56	60	53	45	9
8	45	49	47	47	43	42	44	44	42		51	51	56	49	41	8
7	41	45	43	44	38	38	40	40	38	48	47	47	51	45	38	7
6	37	41	40	41		33	35	37	33	44		42	47	41	34	6
5	33	36	36	38	28	29	31	33	29	40	38	38	43	37	30	5
4	28	32	33	35		25	26	29	24	36		33	38	33	27	4
3	24	28	29	32	18	21	21		20	32		29	34	29	23	3
2	20	24	26	29	13	16	17	21	15	28		24	29	25	19	2
1	16		22	26	8	12	12	18	11	24				21		1
0			23			8	8	14								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	91	92	100	100	100	100	96	100	100				90	91	19
18	88	89	100	100	96	100	92	100	99				87	87	18
17	84	85	100	100	92	97	88	99	94				83	83	17
16	81	82	100	96	88	93	84	94	90				79	79	16
15	77	78	95	91	84	88	80	90	85			77	75	75	15
14	74	74	89	86	80	84	76	85	81	75			71	71	14
13	70	71	84	80	76	80	72	80	76		71	71	67	68	13
12	67	67	78	75	72	75	68	76	72	68			63	64	12
11	63	64	72	70	68	71	64	71	67		65	65	59	60	11
10	60	60	67	64	64	67	60	66	63	61	61	62	56	56	10
9	56	56	61	59	59	62	56	61	58	57	58	59	52	52	9
8	53	53	56	54	55	58	52	57	54	53	54	56	48	48	8
7	50	49	50	49	51	54	47	52	49	50	51	53	44	44	7
6	46	45	45	43	47	49	43	47	44	46	48	50	40	40	6
5	43	42	39	38	43	45	39	43	40	42	44	47	36	36	5
4	39	38	33	33	39	41	35	38	35	39	41	44	32	32	4
3	36	35	28	27	35	36	31	33	31	35	37	41	28	28	3
2	32	31	22	22	31	32	27	29	26	31	34	38	24	24	2
1	29	27	17	17	27	28	23	24	22	28	31	35	21	20	1
0	25	24	11	11	23	24		19							0

Note. See page 16 for a description of acronyms.



## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 75-79 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	68		100	100	98	87	85	94	77						19
18	64	64	100	100	94	83	81	90	74	74				94	18
17	60	59	100	100	89	79	77	86			86				17
16	56	55	98	96	85	75	74	82	66		82				16
15	51	51	92	92	81	71	70	78	62	64	78	72	60	81	15
14	47	46	87	88	77	67	66	74	58	61	74		58		14
13	43	42	82	83	72	63	62	70	54	57	71	65		73	13
12	39	38	77	79	68	60	59	66	50		67	61	52	68	12
11	34	33	72	74	64	56	55	62	46	51	63	58		64	11
10	30	29	67	70	60	52	51	58	42	48	59	54	46	59	10
9	26	25	62	66	56	48	47	54		45	55	50	43	55	9
8	22	20	57	61	51	44	44	50	34	41	52	47	40	51	8
7	18	16	51	57	47	40	40	46	31		48	43	38	46	7
6	13	12	46	53	43	36	36	42	27	35	44	40	35	42	6
5	9	7	41	48	39	32	32	38	23	32	40	36	32	38	5
4	5	3	36	44	34	29	29	34	19		37	33	29	33	4
3	1	0	31	39	30	25	25	30	15	25	33	29	26	29	3
2	0	0	26	35	26	21	21	27	11		29	25	23	25	2
1	0	0	21	31	22	17	17	23		19	25	22	21	20	1
0		0	15	26				19		15	21	18	18		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		97		96		100		71								19
18	95	100	93	83			100		66								18
17	91	98	89	79	88		98		62	68				64	68		17
16	87	94	85	76	84	76	94		58	63		81		60	64	57	16
15	83	90	80	72	80	72	90		54	59				56	60		15
14	79	85	76	68	76	68	86		50	54		72		52	57	49	14
13	75	81	72	65	72	64	82		46	50	64	67		48	53	45	13
12	71	77	68	61	68	60	78		41	45			51	44	49	41	12
11	67	72	64	58	64	56	73	58	37	41	55	58		40	46	37	11
10	63	68	60	54	60	52	69		33	36	51	54		36	42	33	10
9	60	64	55	51	56	48	65	49	29	31	47	49	36	32	38	29	9
8	56	59	51	47	52	44	61		25	27	43	45		28	35	26	8
7	52	55	47	43	48	39	57	39	21	22	38	40	27	24	31	22	7
6	48	51	43	40	44	35	53		17	18	34	36		20	27	18	6
5	44	46	39	36	40	31	48	30	12	13	30	31	17	16	24	14	5
4	40	42	35	33	36	27	44		8	9	26	27		12	20	10	4
3	36	38	30		32	23	40	20	4	4	21	22	8	8	16		3
2	32	33	26		28	19	36	15	0	0	17	18	3	4			2
1	28	29	22		24	15	32	10	0	0	13	14	0				1
0		24				11	27	6	0	0	9				6	0	0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 75-79 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	92		86		100		98				100	100	100	94		19
18	88	93	83				93				98	98	100	90		18
17	84	89	79		90		88			91		94		86		17
16	79	85	76			77	84	77	80			89	93	82		16
15	75	80	72		79		79	74			84					15
14	71	76	69	66	74	69	75	70	71		80	80	84	74		14
13	67	72	65		69		70	66		75		76	80	70	60	13
12	63	68	62	60	64	60	66	62	62		71	71	75		56	12
11	58	63	58	57	59	56	61	58	58	67	66	67	71	62	53	11
10	54	59	55	54	54	52	56	55	53		62	62	67	58	49	10
9	50	55	51	51	49	48	52	51	49	58	57	57	62	54	45	9
8	46	50	47	48	44	44	47	47	44		53	53	58	50	41	8
7	42	46	44	44	39	39	43	43	40	50	48	48	53	46	38	7
6	37	42	40	41		35	38	39	35	46		44	49	42	34	6
5	33	38	37	38	29	31	33	36	31	42	39	39	44	38	30	5
4	29	33	33	35		27	29	32	26	38		35	40	35	27	4
3	25	29	30	32	19	22	24		22	34		30	36	31	23	3
2	21	25	26	29	14	18	20	24	17	30		26	31	27	19	2
1	17		23	26	9	14	15	20	12	25				23		1
0			23			10	11	16								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	92	94	100	100	100	100	98	100	100				92	93	19
18	89	90	100	100	99	100	94	100	100				88	89	18
17	85	87	100	100	95	99	90	100	97				84	85	17
16	82	83	100	98	91	94	86	97	92				80	81	16
15	78	79	97	93	86	90	82	92	88			79	76	77	15
14	75	76	91	88	82	86	78	87	83	79			73	73	14
13	71	72	86	82	78	81	74	83	79		74	73	69	69	13
12	68	68	80	77	74	77	70	78	74	71			65	65	12
11	65	65	74	72	70	73	66	73	69		68	68	61	61	11
10	61	61	69	66	66	68	61	69	65	64	64	65	57	57	10
9	58	58	63	61	62	64	57	64	60	60	61	62	53	53	9
8	54	54	58	56	58	60	53	59	56	57	57	59	49	49	8
7	51	50	52	50	54	55	49	54	51	53	54	56	45	45	7
6	47	47	47	45	50	51	45	50	47	49	51	53	42	41	6
5	44	43	41	40	45	47	41	45	42	46	47	50	38	37	5
4	40	39	35	34	41	43	37	40	38	42	44	47	34	34	4
3	37	36	30	29	37	38	33	36	33	38	41	44	30	30	3
2	34	32	24	24	33	34	29	31	28	35	37	41	26	26	2
1	30	29	19	19	29	30	25	26	24	31	34	38	22	22	1
0	27	25	13	13	25	25		22							0

Note. See page 16 for a description of acronyms.

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 80-85 years  
Race: African American

Summary scores				Executive functions					Attention/Working memory						Scaled score
Scaled score	WAIS-R FSIQ	WAIS FSIQ	AIR	CAT ERROR	TRAIL B	THUR FLU	FAS	ANIMALS	WAIS-R DIGIT SPAN	WAIS DIGIT SPAN	PASAT	DIGIT ERROR	SSHOR RHYM	SPCH PERC	
19	68		100	100	100	88	87	97	77						19
18	64	62	100	100	96	84	83	93	74	74				96	18
17	60	58	100	100	92	80	79	89			87				17
16	56	54	100	99	87	76	76	85	66		83				16
15	51	49	95	95	83	73	72	81	62	64	79	72	61	83	15
14	47	45	90	90	79	69	68	77	58	61	75		58		14
13	43	41	85	86	75	65	64	73	54	58	72	65		74	13
12	39	36	80	81	71	61	61	69	50		68	62	53	70	12
11	34	32	75	77	66	57	57	65	46	52	64	58		66	11
10	30	28	70	73	62	53	53	61	42	48	60	54	47	61	10
9	26	23	65	68	58	49	49	57		45	57	51	44	57	9
8	22	19	60	64	54	45	46	53	34	42	53	47	41	53	8
7	18	15	54	60	49	42	42	49	31		49	44	38	48	7
6	13	10	49	55	45	38	38	45	27	35	45	40	36	44	6
5	9	6	44	51	41	34	34	41	23	32	42	37	33	40	5
4	5	2	39	46	37	30	31	37	19		38	33	30	35	4
3	1	0	34	42	32	26	27	33	15	26	34	29	27	31	3
2	0	0	29	38	28	22	23	30	11		30	26	24	27	2
1	0	0	24	33	24	18	19	26		19	26	22	21	22	1
0		0	18	29				22		16	23	19	19		0

Scaled score	Speed of information processing				Spatial skills				Verbal/Academic skills								Scaled score
	WAIS-R DIGIT SYMB	WAIS DIGIT SYMB	TRAIL A	DIGIT TIME	WAIS-R BLOCK DESGN	WAIS BLOCK DESGN	TPT TIME	SPAT REL	WAIS-R VOCAB	WAIS VOCAB	APHAS SCRIN	BSTN NAME	BDAE COMP	PIAT RECOG	PIAT COMP	PIAT SPELL	
19	99		99		96		100		71								19
18	95	100	95	84			100		66								18
17	91	100	91	81	88		100		62	68				60	68		17
16	87	97	87	77	84	78	97		58	63		81		56	64	57	16
15	83	92	83	73	80	74	93		54	59				52	61		15
14	79	88	78	70	76	70	89		50	54		72		48	57	49	14
13	75	84	74	66	72	65	85		46	50	64	68		44	53	45	13
12	71	79	70	63	68	61	80		41	45			51	40	50	41	12
11	67	75	66	59	64	57	76	59	37	41	55	59		36	46	37	11
10	63	70	62	56	60	53	72		33	36	51	54		32	43	33	10
9	60	66	57	52	56	49	68	49	29	31	47	50	37	28	39	29	9
8	56	62	53	48	52	45	64		25	27	43	45		24	35	25	8
7	52	57	49	45	48	41	59	40	21	22	38	41	27	20	32	21	7
6	48	53	45	41	44	37	55		17	18	34	36		16	28	17	6
5	44	49	41	38	40	33	51	30	12	13	30	32	17	12	24	13	5
4	40	44	37	34	36	28	47		8	9	26	28		8	21	9	4
3	36	40	32		32	24	43	20	4	4	21	23	8	4	17		3
2	32	36	28		28	20	39	16	0	0	17	19	3	0			2
1	28	31	24		24	16	34	11	0	0	13	14	0				1
0		27				12	30	6	0	0	9			6	0		0

(continued)

## APPENDIX E (continued)

Sex: Female  
Education: 18-20 years  
Age: 80-85 years  
Race: African American

Scaled score	Verbal episodic memory									Visual episodic memory						Scaled score
	STORY-T1	STORY LEARN	STORY RECALL	STORY LOSS	CVLT-1	CVLT-5	CVLT-TOT	CVLT-SDFR	CVLT-LDFR	TPT MEM	TPT LOC	FIGUR-T1	FIGUR LEARN	FIGUR RECALL	FIGUR LOSS	
19	93		87		100		100				100	100	100	96		19
18	88	94	84				96				99	100	100	92		18
17	84	90	80		91		92			93		95		88		17
16	80	86	77			79	87	80	82			91	95	84		16
15	76	82	73		81		83	77			86					15
14	72	77	69	66	76	71	78	73	73		81	82	86	76		14
13	67	73	66		71		74	69		77		77	82	72	60	13
12	63	69	62	60	66	62	69	65	64		72	73	77		56	12
11	59	64	59	57	61	58	64	61	59	69	68	68	73	64	53	11
10	55	60	55	54	56	54	60	58	55		63	64	69	60	49	10
9	51	56	52	51	51	50	55	54	50	60	59	59	64	56	45	9
8	46	52	48	48	46	45	51	50	46		54	55	60	52	41	8
7	42	47	45	45	40	41	46	46	41	52	50	50	55	48	38	7
6	38	43	41	42		37	41	42	37	48		46	51	44	34	6
5	34	39	38	39	30	33	37	39	32	44	41	41	46	40	30	5
4	30	34	34	36		29	32	35	28	40		36	42	36	27	4
3	26	30	31	32	20	24	28		23	36		32	38	32	23	3
2	21	26	27	29	15	20	23	27	19	31		27	33	28	19	2
1	17		24	26	10	16	19	23	14	27				24		1
0				23		12	14	20								0

Scaled score	Lateralized sensorimotor/Psychomotor comparisons														Scaled score
	TAP DH	TAP NDH	GRIP DH	GRIP NDH	PEG DH	PEG NDH	TPT DH	TPT NDH	TPT BH	SP R	SP L	SP TOT	TFR R	TFR L	
19	94	95	100	100	100	100	100	100	100				94	95	19
18	90	92	100	100	100	100	96	100	100				90	91	18
17	87	88	100	100	97	100	92	100	99				86	87	17
16	83	84	100	100	93	96	88	99	95				82	83	16
15	80	81	99	95	89	91	84	95	90			82	78	79	15
14	76	77	94	90	85	87	80	90	86	82			74	75	14
13	73	73	88	85	81	83	76	85	81		78	76	70	71	13
12	69	70	83	79	77	78	72	81	76	75			66	67	12
11	66	66	77	74	73	74	68	76	72		71	70	63	63	11
10	62	63	71	69	69	70	63	71	67	68	68	67	59	59	10
9	59	59	66	63	64	65	59	66	63	64	64	64	55	55	9
8	56	55	60	58	60	61	55	62	58	61	61	61	51	51	8
7	52	52	55	53	56	57	51	57	54	57	58	58	47	47	7
6	49	48	49	48	52	52	47	52	49	53	54	55	43	43	6
5	45	45	44	42	48	48	43	48	45	50	51	53	39	39	5
4	42	41	38	37	44	44	39	43	40	46	47	50	35	35	4
3	38	37	32	32	40	39	35	38	36	42	44	47	32	31	3
2	35	34	27	26	36	35	31	34	31	39	41	44	28	27	2
1	31	30	21	21	32	31	27	29	26	35	37	41	24	23	1
0	28	26	16	16	27	27		24							0

Note. See page 16 for a description of acronyms.

