

Webtable 1  
*Preliminary Classical Item Statistics for the ZAT*

		English		
Scale	N of items	Difficulty	Discrimination	Alpha
ZAT_M_E	60	.63 (.08 to 1.0)	.32 (-.11 to .57)	.82
ZAT_RR_E	120	.62 (.05 to 1.0)	.55 (-.10 to .77)	.97
ZAT_PW_E	38	.45 (.18 to .71)	.66 (.47 to .77)	.96
ZAT_RC_E	24	.27 (.02 to .87)	.58 (.15 to .76)	.91
		Nyanja		
Scale	N of items	Difficulty	Discrimination	Alpha
ZAT_M_N	60	.72 (.09 to 1.0)	.23 (-.03 to .62)	.76
ZAT_RR_N	120	.61 (.29 to .99)	.69 (-.17 to .83)	.98
ZAT_PW_N	38	.59 (.23 to .82)	.63 (.42 to .78)	.96
ZAT_RC_N	24	.29 (.04 to .65)	.61 (.23 to .72)	.91

Note. ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_M\_N = ZAT Mathematics Subtest, Nyanja; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_RR\_N = ZAT Reading Recognition Subtest, Nyanja; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_PW\_N = ZAT Pseudoword Decoding Subtest, Nyanja; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English; ZAT\_RC\_N = ZAT Reading Comprehension Subtest, Nyanja

Webtable 2

*Rasch Item and Person Summary Statistics for Each Subscale of the ZAT, English Version*

Overall ZAT English Item Summary					
Summary of Item Estimates		ZAT_M_E	ZAT_RR_E	ZAT_PW_E	ZAT_RC_E
Mean		0.00	0.00	0.00	0.00
SD		1.85	2.68	1.06	2.43
Reliability of estimate		0.97	0.98	0.94	0.98
Separation		5.38	7.12	4.03	6.98
N of items*		59	119	38	24
Summary of Fit Statistics		ZAT_M_E	ZAT_RR_E	ZAT_PW_E	ZAT_RC_E
Infit Mean Square					
Mean		1.00	0.97	1.00	1.00
SD		0.11	0.26	0.16	0.16
Outfit Mean Square					
Mean		1.04	1.84	1.05	1.30
SD		0.31	2.43	0.50	1.44
Infit z					
Mean		-0.10	-0.40	-0.10	-0.20
SD		1.10	1.90	1.30	1.00
Outfit z					
Mean		0.00	-0.10	-0.10	0.10
SD		1.30	1.60	1.30	0.90

Webtable 2 (continued)

ZAT English Person Summary					
Summary of Person Estimates		ZAT_M_E	ZAT_RR_E	ZAT_PW_E	ZAT_RC_E
Mean		0.94	0.76	-0.09	-1.28
SD		0.86	1.89	1.82	2.38
Reliability of estimate		0.83	0.98	0.93	0.89
Separation		2.24	6.33	3.53	2.89
<i>N</i> of test-takers**		121	121	107	110
Summary of Fit Statistics		ZAT_M_E	ZAT_RR_E	ZAT_PW_E	ZAT_RC_E
Infit Mean Square					
	Mean	0.99	0.96	0.99	0.93
	SD	0.20	0.30	0.19	0.47
Outfit Mean Square					
	Mean	1.04	1.46	1.05	1.13
	SD	0.69	1.84	0.62	1.84
Infit z					
	Mean	-0.10	-0.50	-0.10	-0.30
	SD	1.20	1.90	1.00	1.10
Outfit z					
	Mean	0.00	-0.10	-0.10	-0.10
	SD	1.10	1.30	1.00	0.60

*\*i of items with non-extreme values*

*\*\*N of test takers with non-extreme scores*

Note. ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English

Webtable 3

*Rasch Item and Person Summary Statistics for Each Subscale of the ZAT, Nyanja Version*

Overall ZAT Nyanja Item Summary					
Summary of Item Estimates		ZAT M N	ZAT RR N	ZAT PW N	ZAT RC N
Mean		0.00	0.00	0.00	0.00
SD		1.74	1.88	1.14	1.54
Reliability of estimate		0.96	0.97	0.95	0.97
Separation		5.04	5.33	4.27	5.29
N of items		58	120	38	24
Summary of Fit Statistics		ZAT M N	ZAT RR N	ZAT PW N	ZAT RC N
Infit Mean Square					
	Mean	1.00	0.99	1.02	1.00
	SD	0.10	0.41	0.18	0.13
Outfit Mean Square					
	Mean	1.02	1.91	0.91	0.93
	SD	0.20	2.62	0.30	0.30
Infit z					
	Mean	-0.10	-0.60	0.00	0.00
	SD	1.10	2.60	1.30	1.00
Outfit z					
	Mean	0.00	-0.30	-0.40	-0.20
	SD	1.20	2.00	0.90	0.90

Webtable 3 (continued)

ZAT Nyanja Person Summary					
		ZAT_M_N	ZAT_RR_N	ZAT_PW_N	ZAT_RC_N
Summary of Person Estimates					
Mean		1.19	1.37	0.37	-0.74
SD		0.74	2.02	1.96	1.60
Reliability of estimate		0.77	0.97	0.93	0.86
Separation		1.82	5.63	3.56	2.48
N of test takers		119	119	112	99
Summary of Fit Statistics					
		ZAT M N	ZAT RR N	ZAT PW N	ZAT RC N
Infit Mean Square					
	Mean	0.99	0.96	0.99	0.99
	SD	0.21	0.16	0.20	0.26
Outfit Mean Square					
	Mean	1.01	1.83	0.91	0.93
	SD	0.56	2.28	0.44	0.57
Infit z					
	Mean	-0.10	-0.30	0.00	-0.10
	SD	1.20	1.30	0.90	1.00
Outfit z					
	Mean	-0.10	0.20	-0.20	-0.20
	SD	1.00	1.50	1.00	0.90

Note. ZAT\_M\_N = ZAT Mathematics Subtest, Nyanja; ZAT\_RR\_N = ZAT Reading Recognition Subtest, Nyanja; ZAT\_PW\_N = ZAT Pseudoword Decoding Subtest, Nyanja; ZAT\_RC\_N = ZAT Reading Comprehension Subtest, Nyanja

Webtable 4

*Classical Item Statistics for the UNIT/KABC*

Scale	N of items	Difficulty	Discrimination	Alpha
KABC_PR	36	.23 (.10 to .98)	.29 (-.26 to .61)	0.80
UNIT_CD	9	1.42* (.03 to 2.39)	.42 (-.10 to .53)	0.67
UNIT_SYM	22	.15 (.01 to .65)	.36 (.19 to .51)	0.78
UNIT_SPM	19	.34 (.01 to .93)	.36 (.05 to .51)	0.77

\*This scale is scored as a 3-point, partial credit scale. Item difficulty represents students mean score on the scale.

Note. KABC\_PR = KABC II, Pattern Recognition Subtest; UNIT\_CD = UNIT, Cube Design Subtest; UNIT\_SYM = UNIT, Symbolic Memory Subtest; UNIT\_SPM = UNIT, Spatial Memory Subtest

Webtable 5

*Rasch Item and Person Summary Statistics for Each Subtest of the UNIT and the KABC Pattern Reasoning Subtest*

UNIT/KABC Item Summary					
Summary of Item Estimates		UNIT CD	UNIT SYM	UNIT SPM	KABC PR
Mean		0.00	0.00	0.00	0.00
SD		1.12	2.48	3.09	1.39
Reliability of estimate		0.97	0.95	0.98	0.97
Separation		6.03	4.45	6.69	5.34
N of items*		9	22	19	36
Summary of Fit Statistics					
UNIT CD		UNIT SYM	UNIT SPM	KABC PR	
Infit Mean Square					
	Mean	0.98	0.95	0.97	1.00
	SD	0.17	0.17	0.17	0.16
Outfit Mean Square					
	Mean	1.15	0.74	0.99	1.09
	SD	0.94	0.60	0.75	0.41
Infit z					
	Mean	-0.2	0.00	-0.10	-0.30
	SD	1.20	1.10	0.70	1.60
Outfit z					
	Mean	0.40	-0.10	-0.10	-0.10
	SD	2.80	1.30	0.70	1.50

Webtable 5 (continued)

UNIT/KABC Person Summary					
Summary of Person		UNIT CD	UNIT SYM	UNIT SPM	KABC PR
Mean		-0.21	-2.35	-1.00	-0.95
SD		0.67	1.41	3.00	1.08
Reliability of estimate		0.70	0.75	0.81	0.81
Separation		1.54	1.73	2.04	2.04
<i>N</i> of test-takers**		123	116	123	124
Summary of Fit Statistics		UNIT CD	UNIT SYM	UNIT SPM	KABC PR
Infit Mean Square					
	Mean	1.01	1.01	0.99	0.99
	SD	0.53	0.38	0.52	0.28
Outfit Mean Square					
	Mean	1.02	0.74	0.93	1.09
	SD	1.22	1.02	1.55	.62
Infit z					
	Mean	-0.20	-0.10	-0.20	-0.20
	SD	1.10	1.02	1.20	1.20
Outfit z					
	Mean	-0.10	-0.20	-0.10	0.00
	SD	0.50	0.50	0.50	0.90

\**N* of items with non-extreme values

\*\**N* of test takers with non-extreme scores

Note. KABC\_PR = KABC II, Pattern Recognition Subtest; UNIT\_SYM = UNIT, Symbolic Memory Subtest; UNIT\_SPM = UNIT, Spatial Memory Subtest; UNIT\_CD = UNIT, Cube Design Subtest



Webtable 6

*Pearson Correlations of the Vineland Parent Interview and Vineland Teacher Interview for Each Domain*

	1	2	3	4	5	6	7	8
1. V_P_COM	1.00	0.61**	0.78**	0.72**	<b>0.54**</b>	0.48*	0.06	0.20
2. V_P_DL		1.00	0.63**	0.75**	0.40*	<b>0.44*</b>	0.10	0.23
3. V_P_SOC			1.00	0.69**	0.49*	0.36	<b>0.01</b>	0.14
4. V_P_MOT				1.00	0.33	0.27	-0.15	<b>0.05</b>
5. V_T_COM					1.00	0.76**	0.39*	0.45*
6. V_T_DL						1.00	0.77**	0.75**
7. V_T_SOC							1.00	0.64**
8. V_T_MOT								1.00

\* p < .05, \*\* p < .01, \*\*\* p < .001

*Usable data ranged from n=24-27, pairwise*

Webtable 6 (continued)

*Spearman Correlations of the Vineland Parent Interview and Vineland Teacher Interview for Each Domain*

	1	2	3	4	5	6	7	8
1. V_P_COM	1.00	0.52**	0.62**	0.55**	<b>0.61**</b>	0.50*	0.20	0.25
2. V_P_DL		1.00	0.56**	0.32	0.50*	<b>0.52*</b>	0.22	0.24
3. V_P_SOC			1.00	0.48	0.62**	0.58**	<b>0.30</b>	0.38
4. V_P_MOT				1.00	0.24	0.14	-0.08	<b>0.10</b>
5. V_T_COM					1.00	0.79**	0.55**	0.53**
6. V_T_DL						1.00	0.76**	0.71**
7. V_T_SOC							1.00	0.71**
8. V_T_MOT								1.00

\*  $p < .05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

*N=25, listwise*

Also, Spearman correlations for parents' scores on the Maladaptive Behavior Scale are .01 with Communication, .35 with Daily Living, .02 with Social, and -.10 with Motor. All are nonsignificant.

Note. V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale; V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MAL = Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL = Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_SOC = Vineland II, Teacher Version, Social Skills Subscale; V\_T\_MAL = Vineland II, Teacher Version, Maladaptive Behaviors Subscale

Webtable 7

*The Criterion-Related Validity Results of the ZAT: Correlation of the ZAT Subtests with Tests of Reasoning, Memory Skills, African Test of Intelligence and Adaptive Behavior*

Scale	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1 ZAT_M_E	.73	0	107	0	94	0	99	0	100	107	94	98	56	71	71	71	63
2 ZAT_M_N	-	.77	0	497	0	162	0	359	491	501	463	440	292	373	372	368	365
3 ZAT_RR_E	.61***	-	.94	0	95	0	100	0	101	108	95	99	56	72	72	72	64
4 ZAT_RR_N	-	.57***	-	.86	0	164	0	359	491	501	463	440	292	372	371	367	364
5 ZAT_RC_E	.52***	-	.78***	-	.72	0	91	0	88	95	84	86	51	64	64	64	56
6 ZAT_RC_N	-	.47***	-	.75***	-	.70	0	159	161	165	135	143	98	134	134	134	132
7 ZAT_PW_E	.47***	-	.73***	-	.62***	-	.83	0	93	100	87	91	54	65	65	65	58
8 ZAT_PW_N	-	.60***	-	.73***	-	.75***	-	.87	354	362	329	322	218	268	267	264	261
9 KABC_PR	.41***	.40***	.36***	.41***	.25*	.33***	.26*	.34***	.53	623	571	553	359	459	458	454	442
10 UNIT_CD	.19	.20***	.20*	.21***	.15	.00	.10	.16**	.24***	.71	580	560	370	464	463	459	447
11 UNIT_SYM	.26*	.32***	.21*	.21***	.24*	.11	.08	.24***	.26***	.31***	.52	540	315	415	414	410	398
12 UNIT_SPM	.06	.37***	.06	.29***	.04	.10	-.06	.25***	.34***	.31***	.39***	.73	327	408	407	403	391
13 Panga_Mun	.04	.30***	.02	.32***	-.03	.24*	.02	.32***	.36***	.12*	.18***	.28***	.88	279	279	279	279
14 V_T_COM	.40***	.38***	.51***	.31***	.30*	.31***	.43***	.36***	.29***	.24***	.26***	.26***	.08	-	489	485	473
15 V_T_DL	.26*	.44***	.40***	.40***	.15	.39***	.40***	.42***	.34***	.18***	.27***	.33***	.28***	.67***	-	485	473
16 V_T_SOC	.17	.21***	.25*	.19***	.15	.21*	.28*	.24***	.16***	.02	.15**	.09	.00	.54***	.59***	-	473
17 V_T_MOT	.18	.17***	.16	.07	.07	.07	.12	.08	.09	.20***	.09	.07	-.07	.42***	.42***	.49***	-

\* $p < .05$ . \*\* $p < .01$ . \*\*\* $p < .001$ .

Note. Values in the lower diagonal are Pearson correlations ( $r$ ). Values on the diagonals are internal consistency reliability estimates. Values in upper diagonal are sample sizes

ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_M\_N = ZAT Mathematics Subtest, Nyanja; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_RR\_N = ZAT Reading Recognition Subtest, Nyanja; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_PW\_N = ZAT Pseudoword Decoding Subtest, Nyanja; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English; ZAT\_RC\_N = ZAT Reading Comprehension Subtest, Nyanja; KABC\_PR = KABC II, Pattern Recognition Subtest; UNIT\_SYM = UNIT, Symbolic Memory Subtest; UNIT\_SPM = UNIT, Spatial Memory Subtest; UNIT\_CD = UNIT, Cube Design Subtest; NAG5 = Zambian National Achievement Test, Grade 5; PANG\_MUN = Panga Munthu (Make-A-Person) Test; V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale; V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MAL = Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL = Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_SOC = Vineland II, Teacher Version, Social Skills Subscale; V\_T\_MAL = Vineland II, Teacher Version, Maladaptive Behaviors Subscale

Webtable 8

Correlations between the Zambian National Achievement Test and the Zambian Achievement Test

	Test	1	2	3	4	5	6
1	NAG5_M	-	115	92	92	92	90
2	NAG5_E	0.80***	-	91	91	91	89
3	ZAT_M_E	0.71***	0.67***	-	93	93	91
4	ZAT_RR_E	0.80***	0.79***	0.64***	-	93	91
5	ZAT_PW_E	0.63***	0.66***	0.53***	0.78***	-	91
6	ZAT_RC_E	0.69***	0.74***	0.66***	0.73***	0.68***	-

\*  $p < .05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

Note. NAG5\_M = Zambian National Achievement Test, Grade 5 Mathematics; NAG5\_E = Zambian National Achievement Test, Grade 5 English; ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English

Webtable 9

*Correlations between Indicators of Achievement and Abilities in the Clinical Sample*

Test	1	2	3	4	5	6	7	8	9	10
1. ZAT_M		.41**	.19	.20	.15	.24	.54***	.28*	.96***	.44***
2. ZAT_RR	.57***		.60***	.60***	.31*	.41**	.23	.24	.62***	.35**
3. ZAT_PW	.26	.51***		.94***	.16	.19	.23	.34**	.45***	.24
4. ZAT_RC	.12	.52***	.62***		.05	.07	.08	.31*	.45***	.08
5. UNIT_SYM	.32*	.22	.37**	.04		.39**	.45***	.27*	.20	.78***
6. UNIT_CD	.37*	.45**	.46**	.42**	.24		.40**	.35**	.30*	.60***
7. UNIT_SPM	.58***	.44**	.35*	.38**	.45**	.53***		.34*	.53***	.89***
8. KABC_PR	.20	.35*	.08	.03	.08	.17	.12		.34*	.39**
9. Achievement	.95***	.78***	.46***	.38**	.33*	.48***	.63***	.25		.47***
10. IQ	.56***	.46**	.48***	.34*	.76***	.66***	.89***	.15	.62***	

Notes:

Nyanja ( $n = 55$ ) are on the top of the diagonal and English ( $n = 48$ ) are on the bottom.

\*  $p < .05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

ZAT\_M = ZAT Mathematics Subtest; ZAT\_RR = ZAT Reading Recognition Subtest; ZAT\_PW = ZAT Pseudoword Decoding Subtest, English; ZAT\_RC = ZAT Reading Comprehension Subtest; KABC\_PR = KABC II, Pattern Recognition Subtest; UNIT\_SYM = UNIT, Symbolic Memory Subtest; UNIT\_SPM = UNIT, Spatial Memory Subtest; UNIT\_CD = UNIT, Cube Design Subtest; Achievement = Composite Achievement Variable; IQ = Composite IQ Variable

Webtable 10

*Correlations between Indicators of Achievement, Abilities, and Adaptive Functioning in the Clinical Sample*

Nyanja	Parent Ratings					Teacher Ratings				
	V_P_COM	V_P_DL	V_P_SOC	V_P_MOT	V_P_MAL	V_T_COM	V_T_DL	V_T_SOC	V_T_MOT	V_T_MAL
1. ZAT_M_N	.46*	.50**	0.15	0.24	-0.27	0.19	.44**	0.18	-0.05	0.28
2. ZAT_RR_N	0.08	0.05	0.09	-0.02	-0.05	.35*	.37*	.33*	-0.15	-0.12
3. ZAT_PW_N	0.05	0.22	0.15	0.18	-0.20	0.14	-0.01	0.05	0.10	-0.16
4. ZAT_RC_N	0.05	0.22	0.15	0.18	-0.20	-0.36*	-0.18	-0.27	0.10	-.43**
5. UNIT_SYM	0.17	0.17	0.10	-0.08	-0.18	0.20	0.28	0.22	0.12	0.19
6. UNI_CD	0.09	-0.07	-0.35	-0.32	-0.22	0.24	0.29	0.26	0.07	-0.11
7. UNIT_SPM	0.29	0.14	-0.15	0.14	-0.34	0.07	0.32	0.05	-0.05	.44**
8. KABC_PR	0.27	0.10	-0.33	-0.34	-0.07	0.01	0.19	0.11	-0.13	0.22
9. Achievement	.47*	.52**	0.17	0.24	-0.29	0.24	.47**	0.22	-0.06	0.24
10. IQ	0.28	0.17	-0.09	0.01	-0.33	0.17	.37*	0.17	0.03	.35*

  

English	V_P_COM	V_P_DL	V_P_SOC	V_P_MOT	V_P_MAL	V_T_COM	V_T_DL	V_T_SOC	V_T_MOT	V_T_MAL
1. ZAT_M_E	.52*	0.14	-0.10	-0.36	-0.11	0.39	0.34	0.13	0.28	-0.08
2. ZAT_RR_E	0.41	0.08	-0.12	-0.07	-0.19	0.16	-0.05	0.00	0.10	-0.12
3. ZAT_PW_E	0.21	0.32	0.24	-0.10	-0.14	0.20	0.06	-0.11	0.06	0.02
4. ZAT_RC_E	-0.13	-0.02	-0.36	0.19	-0.17	-.66**	-0.34	-0.11	-.47*	.55*
5. UNIT_SYM	0.25	0.05	-0.02	0.12	-0.12	0.40	.43*	0.30	0.27	-0.18
6. UNI_CD	.46*	-0.11	-0.10	-0.02	-0.02	0.42	0.38	0.34	0.23	-0.31
7. UNIT_SPM	0.48	0.30	0.09	-0.01	-0.09	0.35	0.58**	0.37	0.07	-0.21
8. KABC_PR	0.39	0.21	-0.07	-0.04	-0.22	0.15	0.20	0.11	0.33	0.03
9. Achievement	.54*	0.14	-0.05	-0.32	-0.17	0.39	0.31	0.12	0.27	-0.09
10. IQ	.53*	0.18	0.03	0.04	-0.11	.50*	.60**	0.42	0.24	-0.27

\* p < .05, \*\* p < .01, \*\*\* p < .001

Note. Ns for Nyanja ZAT with Vineland parent are 28, and teacher 38 (maladaptive 36); Ns for English ZAT with Vineland parent are 21 and teacher 22 (mal 20; one subject missing for UNIT Cube Des)

ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_M\_N = ZAT Mathematics Subtest, Nyanja; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_RR\_N = ZAT Reading Recognition Subtest, Nyanja; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_PW\_N = ZAT Pseudoword Decoding Subtest, Nyanja; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English; ZAT\_RC\_N = ZAT Reading Comprehension Subtest, Nyanja

KABC\_PR = KABC II, Pattern Recognition Subtest; UNIT\_SYM = UNIT, Symbolic Memory Subtest; UNIT\_SPM = UNIT, Spatial Memory Subtest

UNIT\_CD = UNIT, Cube Design Subtest; NAG5 = Zambian National Achievement Test, Grade 5; PANG\_MUN = Panga Munthu (Make-A-Person) Test  
V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale;  
V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MAL =  
Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL =  
Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_SOC = Vineland  
II, Teacher Version, Social Skills Subscale  
V\_T\_MAL = Vineland II, Teacher Version, Maladaptive Behaviors Subscale

Webtable 11

*Pearson correlation coefficients between Parent and Teacher Vineland Ratings*

Test	1	2	3	4	5	6	7	8	9	10
1. V_P_COM	-	.57***	.32*	.09	-.51***	<b>.42*</b>	.34*	.21	.00	.08
2. V_P_DL		-	.63***	.27	-.26	.21	<b>.23</b>	.07	-.07	-.09
3. V_P_SOC			-	.38**	-.24	.03	.05	<b>-.05</b>	0	-.05
4. V_P_MOT				-	-.13	-.04	-.09	-.08	<b>.29</b>	-.16
5. V_P_MAL					-	-.08	-.23	.11	.05	<b>-.06</b>
6. V_T_COM						-	.78***	.78***	.32**	-.01
7. V_T_DL							-	.75***	.33**	-.15
8. V_T_SOC								-	.22	-.20
9. V_T_MOT									-	-.12
10. V_T_MAL										-

\* p < .05, \*\* p < .01, \*\*\* p < .001

Ns for Vineland Parent with Parent are 51; Ns for Vineland Parent with Teacher are 39 (37 for maladaptive); Ns for Vineland Teacher with Teacher are 62-67 (some scales unscorable)

V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_MAL = Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL = Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_SOC = Vineland II, Teacher Version, Social Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_MAL = Vineland II, Teacher Version, Maladaptive Behaviors Subscale



Webtable 11 (continued)

*Spearman correlation coefficients between Parent and Teacher Vineland Ratings*

Test	1	2	3	4	5	6	7	8	9	10
1. V_P_COM	-	.50***	.38**	.13	-.47***	<b>.45**</b>	.35*	.18	-.01	.05
2. V_P_DL		-	.68***	.38**	-.32*	.27	<b>.22</b>	.05	-.09	-.13
3. V_P_SOC			-	.30*	-.37**	.06	.06	<b>-.06</b>	-.19	-.14
4. V_P_MOT				-	-.23	-.02	.01	.00	<b>.15</b>	-.21
5. V_P_MAL					-	-.09	-.27	.08	.15	<b>.00</b>
6. V_T_COM						-	.76***	.70***	.43***	-.18
7. V_T_DL							-	.73***	.37**	-.28*
8. V_T_SOC								-	.41***	.42***
9. V_T_MOT									-	-.29*
10. V_T_MAL										-

\* p < .05, \*\* p < .01, \*\*\* p < .001

Ns for Vineland Parent with Parent are 51; Ns for Vineland Parent with Teacher are 39 (37 for maladaptive); Ns for Vineland Teacher with Teacher are 62-67 (some scales unscorable)

V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_MAL = Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL = Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_SOC = Vineland II, Teacher Version, Social Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_MAL = Vineland II, Teacher Version, Maladaptive Behaviors Subscale

Webtable 12

*Descriptive Statistics for Indicators of Achievement, Abilities, and Adaptive Functioning in the Clinical Sample and the Sample from Study 1*

Test	Group	N	Mean	SD.	Minimum	Maximum	SE
ZAT_M_N	Special Ed	55	165.93	111.68	-6.27	368.53	15.06
ZAT_M_N	Regular Ed	119	522.50	88.82	296.45	685.67	8.14
ZAT_M_E	Special Ed	48	241.49	127.48	8.14	455.02	18.40
ZAT_M_E	Regular Ed	121	477.90	105.66	253.21	685.67	9.61
ZAT_RR_N	Special Ed	55	309.14	20.32	267.56	403.60	2.74
ZAT_RR_N	Regular Ed	119	516.46	111.19	300.65	668.32	10.19
ZAT_RR_E	Special Ed	48	324.62	37.16	271.23	455.07	5.36
ZAT_RR_E	Regular Ed	121	483.79	85.01	333.74	657.29	7.73
ZAT_PW_N	Special Ed	55	339.49	15.74	335.96	442.02	2.12
ZAT_PW_N	Regular Ed	119	518.45	97.19	335.96	662.98	8.91
ZAT_PW_E	Special Ed	48	339.09	10.55	335.96	388.99	1.52
ZAT_PW_E	Regular Ed	121	481.83	99.78	335.96	662.98	9.07
ZAT_RC_N	Special Ed	55	365.37	9.45	363.82	432.08	1.27
ZAT_RC_N	Regular Ed	119	500.34	102.75	363.82	722.18	9.42
ZAT_RC_E	Special Ed	48	368.80	21.11	363.82	466.21	3.05
ZAT_RC_E	Regular Ed	121	499.50	97.65	363.82	705.12	8.88
UNIT_SYM_N	Special Ed	55	350.09	75.89	260.83	549.62	10.23
UNIT_SYM_N	Regular Ed	45	497.70	109.04	260.83	785.90	16.25
UNIT_SYM_E	Special Ed	48	361.47	87.72	260.83	575.87	12.66
UNIT_SYM_E	Regular Ed	48	513.52	98.47	260.83	785.90	14.21
UNIT_CD_N	Special Ed	55	380.40	30.68	352.21	466.69	4.14
UNIT_CD_N	Regular Ed	45	507.86	62.09	383.43	622.81	9.26
UNIT_CD_E	Special Ed	47	398.49	51.16	352.21	529.14	7.46
UNIT_CD_E	Regular Ed	47	479.54	54.18	352.21	560.37	7.90
UNIT_SPM_N	Special Ed	55	251.80	109.28	111.66	539.86	14.74
UNIT_SPM_N	Regular Ed	45	514.24	103.90	276.35	737.48	15.49
UNIT_SPM_E	Special Ed	48	296.94	108.85	111.66	506.92	15.71
UNIT_SPM_E	Regular Ed	48	482.90	100.49	342.23	737.48	14.50
KABC_PR_N	Special Ed	55	321.85	48.30	273.38	461.13	6.51
KABC_PR_N	Regular Ed	45	496.18	99.08	292.15	724.00	14.77
KABC_PR_E	Special Ed	47	322.11	39.67	273.38	461.13	5.79

KABC_PR_N	Regular Ed	59	495.82	102.59	292.15	780.32	13.36
Achievement_N	Special Ed	55	261.56	37.99	204.33	397.16	5.12
Achievement_N	Regular Ed	119	516.83	99.22	328.20	707.70	9.10
Achievement_E	Special Ed	48	288.92	47.23	204.24	402.51	6.82
Achievement_E	Regular Ed	121	483.46	98.39	301.08	672.51	8.94
IQ_N	Special Ed	55	236.51	90.25	103.63	502.88	12.17
IQ_N	Regular Ed	45	513.77	107.87	231.53	761.73	16.08
IQ_E	Special Ed	47	275.67	102.38	103.63	510.33	14.93
IQ_E	Regular Ed	47	491.44	97.71	315.60	757.16	14.25
V_P_COM	Special Ed	51	342.90	151.66	5.08	573.19	21.24
V_P_COM	Regular Ed	27	499.99	100.00	206.41	626.54	19.24
V_P_DL	Special Ed	51	415.25	110.68	108.63	553.89	15.50
V_P_DL	Regular Ed	27	499.99	100.00	131.78	601.03	19.25
V_P_SOC	Special Ed	51	388.79	256.99	-462.95	565.00	35.99
V_P_SOC	Regular Ed	27	500.03	100.00	206.19	577.01	19.24
V_P_MOT	Special Ed	51	285.89	205.87	-320.82	540.64	28.83
V_P_MOT	Regular Ed	27	499.99	100.00	50.97	540.64	19.25
V_P_MAL	Special Ed	51	700.67	281.79	456.07	1412.28	39.46
V_P_MAL	Regular Ed	27	500.01	100.00	456.07	891.66	19.25
V_T_COM	Special Ed	68	488.51	133.19	162.04	669.01	16.15
V_T_COM	Regular Ed	27	500.01	100.00	261.35	681.67	19.25
V_T_DL	Special Ed	67	440.78	145.86	-48.09	626.59	17.82
V_T_DL	Regular Ed	27	499.98	100.00	325.40	626.59	19.25
V_T_SOC	Special Ed	67	453.25	129.56	61.28	588.10	15.83
V_T_SOC	Regular Ed	27	499.99	100.00	293.97	588.10	19.25
V_T_MOT	Special Ed	74	441.16	206.55	-269.37	596.80	24.01
V_T_MOT	Regular Ed	27	499.97	100.00	239.31	596.80	19.25

Note. ZAT\_M\_E = ZAT Mathematics Subtest, English; ZAT\_M\_N = ZAT Mathematics Subtest, Nyanja; ZAT\_RR\_E = ZAT Reading Recognition Subtest, English; ZAT\_RR\_N = ZAT Reading Recognition Subtest, Nyanja; ZAT\_PW\_E = ZAT Pseudoword Decoding Subtest, English; ZAT\_PW\_N = ZAT Pseudoword Decoding Subtest, Nyanja; ZAT\_RC\_E = ZAT Reading Comprehension Subtest, English; ZAT\_RC\_N = ZAT Reading Comprehension Subtest, Nyanja; KABC\_PR\_E = KABC II, Pattern Recognition Subtest, English sample; KABC\_PR\_N = KABC II, Pattern Recognition Subtest, Nyanja sample; UNIT\_SYM\_E = UNIT, Symbolic Memory Subtest, English sample; UNIT\_SYM\_N = UNIT, Symbolic Memory Subtest, Nyanja sample; UNIT\_SPM\_E = UNIT, Spatial Memory Subtest, English sample; UNIT\_SPM\_N = UNIT, Spatial Memory Subtest, Nyanja sample; UNIT\_CD\_E = UNIT, Cube Design Subtest, English sample; UNIT\_CD\_N = UNIT, Cube Design Subtest, Nyanja sample; V\_P\_COM = Vineland II, Parent Version, Communication Subscale; V\_P\_DL = Vineland II, Parent Version, Daily Living Skills Subscale; V\_P\_MOT = Vineland II, Parent Version, Motor Skills Subscale; V\_P\_SOC = Vineland II, Parent Version, Social Skills Subscale; V\_P\_MAL =

Vineland II, Parent Version, Maladaptive Behaviors Subscale; V\_T\_COM = Vineland II, Teacher Version, Communication Subscale; V\_T\_DL = Vineland II, Teacher Version, Daily Living Skills Subscale; V\_T\_MOT = Vineland II, Teacher Version, Motor Skills Subscale; V\_T\_SOC = Vineland II, Teacher Version, Social Skills Subscale; V\_T\_MAL = Vineland II; Achievement\_E = Achievement composite variable, English sample; Achievement\_N = Achievement composite variable, Nyanja sample; IQ\_E = IQ composite variable, English sample; IQ\_N = IQ composite variable, Nyanja sample

Webtable 13

*Percentile Equivalents for Indicators of Achievement, Abilities, and Adaptive Functioning in the Clinical Sample*

	Percentiles from Regular Ed				Percent of Clinical Group falling below cutoffs			
	1%	5%	10%	25%	1%	5%	10%	25%
1. ZAT_M_N	299.34	382.95	397.36	455.02	82	100	100	100
2. ZAT_M_E	256.38	297.90	339.70	411.78	54	65	75	92
3. ZAT_RR_N	305.06	333.74	348.44	414.63	40	98	100	100
4. ZAT_RR_E	333.74	344.77	361.68	418.30	79	83	83	96
5. ZAT_PW_N	335.96	344.79	344.79	442.02	93	93	93	100
6. ZAT_PW_E	335.96	335.96	335.96	388.99	90	93	100	100
7. ZAT_RC_N	363.82	363.82	363.82	397.95	96	96	96	98
8. ZAT_RC_E	363.82	363.82	380.89	415.02	94	94	94	96
9. UNIT_SYM_N	260.83	260.83	392.10	431.48	15	15	76	84
10. UNIT_SYM_E	260.83	319.90	415.73	444.60	10	50	73	83
11. UNIT_CD_N	383.43	404.25	422.98	466.69	69	87	87	100
12. UNIT_CD_E	352.21	368.86	404.25	435.47	11	36	77	79
13. UNIT_SPM_N	276.35	309.29	375.16	457.51	67	78	91	95
14. UNIT_SPM_E	342.23	342.23	371.87	408.10	65	65	65	90
15. KABC_PR_N	292.15	354.11	367.25	432.97	47	86	87	93
16. KABC_PR_E	292.15	329.70	367.25	423.58	36	79	92	96
17. Achievement_N	328.23	342.54	359.95	440.11	98	98	98	100
18. Achivement_E	301.47	323.35	344.70	404.98	60	77	85	100
19. IQ_N	231.53	314.39	369.29	451.47	49	82	91	98
20. IQ_E	315.60	334.90	362.16	417.93	66	70	77	92
21. V_P_COM	131.78	215.26	401.15	453.26	22	29	51	69
22. V_P_DL	206.19	218.63	324.32	457.10	6	8	37	61
23. V_P_SOC	50.97	178.28	401.90	508.00	18	18	20	43
24. V_P_MOT	891.66	824.93	635.87	483.87	12	33	63	98
25. V_P_MAL	261.35	304.94	372.99	408.13	18	22	45	100
26. V_T_COM	325.40	334.57	348.33	432.42	13	15	19	22
27. V_T_DL	293.97	299.14	306.91	425.74	24	27	27	43
28. V_T_SOC	239.31	272.88	358.06	416.50	15	16	16	31
29. V_T_MOT	131.78	215.26	401.15	453.26	18	18	26	35

