

University of Calgary Results **Summary of Six-Week Testing**

***Measuring effects of the training after six weeks**

We had two groups – those who took the program and those did not. Each group was given tests prior to the first group taking program, after the first group took the program, and then approximately six weeks later. The tests that were given measured various dimensions of psychological and school adjustment, problem solving abilities, family relationships, resiliency, emotional intelligence, and self concept.

Over the three assessments, the group that took the program improved markedly in their psychological well-being. In particular, they were less likely to show symptoms of depression and anxiety, were less likely to demonstrate attention problems, and showed better school and personal adjustment. Parents of these children also noted that their youngsters were less likely to demonstrate behavioral and emotional difficulties. Similarly, teachers found these youth to show stronger adaptive skills and less problems with behavior and emotions. Despite not having participated in the program, according to the teachers, children in the control group did improve in behavior and emotions; however, the children themselves and their parents did not see differences over the six week period.

Only the children who took the program improved in problem solving capabilities over the three assessment periods. Moreover, these same children (i.e., those who took the program) showed considerable improvement on various family assessment tasks. For example, there were significant improvements in task-accomplishment, role performance, affective expression, control, and values and norms. No differences were noted in the group who did not take the program. Again, it was only the treatment group that showed marked improvement in resiliency across the three assessments. Their sense of mastery, sense of relatedness, and emotional reactivity were vastly improved from the pre-testing. This same group of youngsters (i.e., the group who took the program) also showed significant improvements in self-concept. Interestingly, the emotional intelligence of both groups increased over the six-week period.

In summary, the program appears to be producing strong positive effects in children's psychological well-being, problem solving abilities, family relationships, resiliency, and self-concepts. These improvements are not noted in children who do not participate in the program. Of interest is that the improvements are being maintained over a six week period. Further analysis of this data will be conducted following the assessment this fall and more in-depth comparisons of the two groups will be reported.

Descriptive Statistics

Control vs Treatment		Age	WasiFull4IQScore
Control	Mean	16.1978	100.50
	N	36	36
	Std. Deviation	.78262	8.943
Treatment	Mean	16.0893	104.24
	N	41	41
	Std. Deviation	.64765	9.238
Total	Mean	16.1400	102.49
	N	77	77
	Std. Deviation	.71120	9.235

Gender

Control vs Treatment			Frequency	Percent	Valid Percent	Cumulative Percent
Control	Valid	Male	17	47.2	47.2	47.2
		Female	19	52.8	52.8	100.0
		Total	36	100.0	100.0	
Treatment	Valid	Male	18	43.9	43.9	43.9
		Female	23	56.1	56.1	100.0
		Total	41	100.0	100.0	

SchoolGrade

Control vs Treatment			Frequency	Percent	Valid Percent	Cumulative Percent
Control	Valid	10	20	55.6	55.6	55.6
		11	16	44.4	44.4	100.0
		Total	36	100.0	100.0	
Treatment	Valid	10	22	53.7	53.7	53.7
		11	19	46.3	46.3	100.0
		Total	41	100.0	100.0	

SchoolActivities

Control vs Treatment			Frequency	Percent	Valid Percent	Cumulative Percent
Control	Valid	No activity	2	5.6	5.6	5.6
		1 activity	7	19.4	19.4	25.0
		2 activities	13	36.1	36.1	61.1
		3 activities	8	22.2	22.2	83.3
		4 activities	4	11.1	11.1	94.4
		5 or more activities	2	5.6	5.6	100.0
		Total	36	100.0	100.0	
Treatment	Valid	1 activity	4	9.8	10.3	10.3
		2 activities	9	22.0	23.1	33.3
		3 activities	7	17.1	17.9	51.3
		4 activities	9	22.0	23.1	74.4
		5 or more activities	10	24.4	25.6	100.0
		Total	39	95.1	100.0	
		Missing System	2	4.9		
Total	41	100.0				

EducationParent1

Control vs Treatment			Frequency	Percent	Valid Percent	Cumulative Percent
Control	Valid	Less than high school	3	8.3	8.3	8.3
		Highschool	8	22.2	22.2	30.6
		1 year postsecondary	4	11.1	11.1	41.7
		2 years postsecondary	3	8.3	8.3	50.0
		3+ years postsecondary	18	50.0	50.0	100.0
		Total	36	100.0	100.0	
Treatment	Valid	Highschool	7	17.1	17.9	17.9
		1 year postsecondary	5	12.2	12.8	30.8
		2 years postsecondary	7	17.1	17.9	48.7
		3+ years postsecondary	20	48.8	51.3	100.0
		Total	39	95.1	100.0	
		Missing System	2	4.9		
Total	41	100.0				

EducationParent2

Control vs Treatment			Frequency	Percent	Valid Percent	Cumulative Percent
Control	Valid	Highschool	14	38.9	38.9	38.9
		1 year postsecondary	5	13.9	13.9	52.8
		2 years postsecondary	4	11.1	11.1	63.9
		3+ years postsecondary	13	36.1	36.1	100.0
		Total	36	100.0	100.0	
Treatment	Valid	Less than high school	3	7.3	8.1	8.1
		Highschool	4	9.8	10.8	18.9
		1 year postsecondary	6	14.6	16.2	35.1
		2 years postsecondary	7	17.1	18.9	54.1
		3+ years postsecondary	17	41.5	45.9	100.0
		Total	37	90.2	100.0	
	Missing	System	4	9.8		
Total		41	100.0			

Behavior Assessment System for Children- 2nd edition Paired Samples Test

Within-Subjects Factors

Measure: MEASURE_1

BASCSRschoo	Dependent Variable
1	PreBSSchool TScore
2	Post1BSSchool TScore
3	Post2BSSchool TScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	BASCSRschoo	Sphericity Assumed	47.396	2	23.698	2.121	.128
		Greenhouse-Geisser	47.396	1.854	25.560	2.121	.133
		Huynh-Feldt	47.396	1.967	24.092	2.121	.129
		Lower-bound	47.396	1.000	47.396	2.121	.155
	Error(BASCSRschoo)	Sphericity Assumed	692.604	62	11.171		
		Greenhouse-Geisser	692.604	57.483	12.049		
		Huynh-Feldt	692.604	60.985	11.357		
		Lower-bound	692.604	31.000	22.342		
Treatment	BASCSRschoo	Sphericity Assumed	270.455	2	135.228	7.603	.001
		Greenhouse-Geisser	270.455	1.967	137.466	7.603	.001
		Huynh-Feldt	270.455	2.000	135.228	7.603	.001
		Lower-bound	270.455	1.000	270.455	7.603	.009
	Error(BASCSRschoo)	Sphericity Assumed	1422.878	80	17.786		
		Greenhouse-Geisser	1422.878	78.697	18.080		
		Huynh-Feldt	1422.878	80.000	17.786		
		Lower-bound	1422.878	40.000	35.572		

Within-Subjects Factors

factor1	Dependent Variable
1	PreBSInternProbTScore
2	Post1BSInternProbTScore
3	Post2BSInternProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	24.188	2	12.094	.604	.550
		Greenhouse-Geisser	24.188	1.941	12.462	.604	.545
		Huynh-Feldt	24.188	2.000	12.094	.604	.550
		Lower-bound	24.188	1.000	24.188	.604	.443
	Error(factor1)	Sphericity Assumed	1240.479	62	20.008		
		Greenhouse-Geisser	1240.479	60.170	20.616		
		Huynh-Feldt	1240.479	62.000	20.008		
		Lower-bound	1240.479	31.000	40.015		
Treatment	factor1	Sphericity Assumed	442.992	2	221.496	5.266	.007
		Greenhouse-Geisser	442.992	1.431	309.563	5.266	.015
		Huynh-Feldt	442.992	1.469	301.485	5.266	.014
		Lower-bound	442.992	1.000	442.992	5.266	.027
	Error(factor1)	Sphericity Assumed	3365.008	80	42.063		
		Greenhouse-Geisser	3365.008	57.241	58.787		
		Huynh-Feldt	3365.008	58.775	57.253		
		Lower-bound	3365.008	40.000	84.125		

Within-Subjects Factors

factor1	Dependent Variable
1	PreBSInattentionHyperTScore
2	Post1BSInattentionHyperTScore
3	Post2BSInattentionHyperTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	82.688	2	41.344	2.596	.083	
		Greenhouse-Geisser	82.688	1.904	43.420	2.596	.086	
		Huynh-Feldt	82.688	2.000	41.344	2.596	.083	
		Lower-bound	82.688	1.000	82.688	2.596	.117	
	Error(factor1)	Sphericity Assumed	987.313	62	15.924			
		Greenhouse-Geisser	987.313	59.036	16.724			
		Huynh-Feldt	987.313	62.000	15.924			
		Lower-bound	987.313	31.000	31.849			
	Treatment	factor1	Sphericity Assumed	292.407	2	146.203	6.181	.003
			Greenhouse-Geisser	292.407	1.963	148.964	6.181	.003
Huynh-Feldt			292.407	2.000	146.203	6.181	.003	
Lower-bound			292.407	1.000	292.407	6.181	.017	
Error(factor1)		Sphericity Assumed	1892.260	80	23.653			
		Greenhouse-Geisser	1892.260	78.517	24.100			
		Huynh-Feldt	1892.260	80.000	23.653			
		Lower-bound	1892.260	40.000	47.307			

Within-Subjects Factors

factor1	Dependent Variable
1	PreBSEmoSymplIndexTScore
2	Post1BSEmoSymplIndexTScore
3	Post2BSEmoSymplIndexTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	30.438	2	15.219	.940	.396
		Greenhouse-Geisser	30.438	1.783	17.071	.940	.388
		Huynh-Feldt	30.438	1.884	16.153	.940	.392
		Lower-bound	30.438	1.000	30.438	.940	.340
	Error(factor1)	Sphericity Assumed	1004.229	62	16.197		
		Greenhouse-Geisser	1004.229	55.272	18.169		
		Huynh-Feldt	1004.229	58.415	17.191		
		Lower-bound	1004.229	31.000	32.394		
Treatment	factor1	Sphericity Assumed	644.163	2	322.081	8.731	.000
		Greenhouse-Geisser	644.163	1.504	428.430	8.731	.001
		Huynh-Feldt	644.163	1.549	415.758	8.731	.001
		Lower-bound	644.163	1.000	644.163	8.731	.005
	Error(factor1)	Sphericity Assumed	2951.171	80	36.890		
		Greenhouse-Geisser	2951.171	60.142	49.070		
		Huynh-Feldt	2951.171	61.975	47.619		
		Lower-bound	2951.171	40.000	73.779		

Within-Subjects Factors

factor1	Dependent Variable
1	PreBSPersAdj usTScore
2	Post1BSPers AdjusTScore
3	Post2BSPers AdjusTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	28.521	2	14.260	.756	.474
		Greenhouse-Geisser	28.521	1.477	19.315	.756	.438
		Huynh-Feldt	28.521	1.533	18.607	.756	.442
		Lower-bound	28.521	1.000	28.521	.756	.391
	Error(factor1)	Sphericity Assumed	1168.813	62	18.852		
		Greenhouse-Geisser	1168.813	45.776	25.533		
		Huynh-Feldt	1168.813	47.516	24.598		
		Lower-bound	1168.813	31.000	37.704		
Treatment	factor1	Sphericity Assumed	717.073	2	358.537	9.072	.000
		Greenhouse-Geisser	717.073	1.977	362.773	9.072	.000
		Huynh-Feldt	717.073	2.000	358.537	9.072	.000
		Lower-bound	717.073	1.000	717.073	9.072	.004
	Error(factor1)	Sphericity Assumed	3161.593	80	39.520		
		Greenhouse-Geisser	3161.593	79.066	39.987		
		Huynh-Feldt	3161.593	80.000	39.520		
		Lower-bound	3161.593	40.000	79.040		

Within-Subjects Factors

factor1	Dependent Variable
1	PreBPExternalizingProbTScore
2	Post1BPExternalizingProbTScore
3	Post2BPExternalizingProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	139.083	2	69.542	5.609	.016	
		Greenhouse-Geisser	139.083	1.163	119.624	5.609	.041	
		Huynh-Feldt	139.083	1.251	111.195	5.609	.037	
		Lower-bound	139.083	1.000	139.083	5.609	.050	
	Error(factor1)	Sphericity Assumed	173.583	14	12.399			
		Greenhouse-Geisser	173.583	8.139	21.328			
		Huynh-Feldt	173.583	8.756	19.825			
		Lower-bound	173.583	7.000	24.798			
	Treatment	factor1	Sphericity Assumed	8.167	2	4.083	.457	.639
			Greenhouse-Geisser	8.167	1.535	5.319	.457	.590
Huynh-Feldt			8.167	1.735	4.706	.457	.613	
Lower-bound			8.167	1.000	8.167	.457	.513	
Error(factor1)		Sphericity Assumed	196.500	22	8.932			
		Greenhouse-Geisser	196.500	16.890	11.634			
		Huynh-Feldt	196.500	19.090	10.293			
		Lower-bound	196.500	11.000	17.864			



Within-Subjects Factors

factor1	Dependent Variable
1	PreBPInternProbTScore
2	Post1BPInternProbTScore
3	Post2BPInternProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	214.083	2	107.042	4.617	.029		
		Greenhouse-Geisser	214.083	1.157	185.079	4.617	.060		
		Huynh-Feldt	214.083	1.241	172.457	4.617	.056		
		Lower-bound	214.083	1.000	214.083	4.617	.069		
	Error(factor1)	Sphericity Assumed	324.583	14	23.185				
		Greenhouse-Geisser	324.583	8.097	40.087				
		Huynh-Feldt	324.583	8.690	37.353				
		Lower-bound	324.583	7.000	46.369				
		Treatment	factor1	Sphericity Assumed	77.056	2	38.528	3.692	.041
				Greenhouse-Geisser	77.056	1.550	49.717	3.692	.056
Huynh-Feldt	77.056			1.756	43.870	3.692	.049		
Lower-bound	77.056			1.000	77.056	3.692	.081		
Error(factor1)	Sphericity Assumed		229.611	22	10.437				
	Greenhouse-Geisser		229.611	17.049	13.468				
	Huynh-Feldt		229.611	19.321	11.884				
	Lower-bound		229.611	11.000	20.874				

Within-Subjects Factors

factor1	Dependent Variable
1	PreBPBehavSymptIndexTScore
2	Post1BPBehavSymptIndexTScore
3	Post2BPBehavSymptIndexTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	171.750	2	85.875	5.944	.014	
		Greenhouse-Geisser	171.750	1.140	150.643	5.944	.038	
		Huynh-Feldt	171.750	1.215	141.335	5.944	.035	
		Lower-bound	171.750	1.000	171.750	5.944	.045	
	Error(factor1)	Sphericity Assumed	202.250	14	14.446			
		Greenhouse-Geisser	202.250	7.981	25.342			
		Huynh-Feldt	202.250	8.506	23.776			
		Lower-bound	202.250	7.000	28.893			
	Treatment	factor1	Sphericity Assumed	32.167	2	16.083	.989	.388
			Greenhouse-Geisser	32.167	1.713	18.781	.989	.379
Huynh-Feldt			32.167	1.998	16.103	.989	.388	
Lower-bound			32.167	1.000	32.167	.989	.341	
Error(factor1)		Sphericity Assumed	357.833	22	16.265			
		Greenhouse-Geisser	357.833	18.840	18.994			
		Huynh-Feldt	357.833	21.974	16.285			
		Lower-bound	357.833	11.000	32.530			



Within-Subjects Factors

factor1	Dependent Variable
1	PreBPAdaptiveSkillsTScore
2	Post1BPAdaptiveSkillsTScore
3	Post2BPAdaptiveSkillsTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	75.583	2	37.792	1.103	.359		
		Greenhouse-Geisser	75.583	1.087	69.551	1.103	.333		
		Huynh-Feldt	75.583	1.132	66.769	1.103	.335		
		Lower-bound	75.583	1.000	75.583	1.103	.329		
	Error(factor1)	Sphericity Assumed	479.750	14	34.268				
		Greenhouse-Geisser	479.750	7.607	63.066				
		Huynh-Feldt	479.750	7.924	60.544				
		Lower-bound	479.750	7.000	68.536				
		Treatment	factor1	Sphericity Assumed	63.167	2	31.583	.939	.406
				Greenhouse-Geisser	63.167	1.426	44.312	.939	.382
Huynh-Feldt	63.167			1.578	40.036	.939	.389		
Lower-bound	63.167			1.000	63.167	.939	.353		
Error(factor1)	Sphericity Assumed		740.167	22	33.644				
	Greenhouse-Geisser		740.167	15.681	47.203				
	Huynh-Feldt		740.167	17.355	42.648				
	Lower-bound		740.167	11.000	67.288				



Within-Subjects Factors

factor1	Dependent Variable
1	PreBTExternalProbTScore
2	Post1BTExternalProbTScore
3	Post2BTExternalProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	120.961	2	60.480	6.902	.002		
		Greenhouse-Geisser	120.961	1.531	79.019	6.902	.005		
		Huynh-Feldt	120.961	1.590	76.060	6.902	.004		
		Lower-bound	120.961	1.000	120.961	6.902	.013		
	Error(factor1)	Sphericity Assumed	578.373	66	8.763				
		Greenhouse-Geisser	578.373	50.516	11.449				
		Huynh-Feldt	578.373	52.481	11.021				
		Lower-bound	578.373	33.000	17.526				
		Treatment	factor1	Sphericity Assumed	89.600	2	44.800	3.972	.023
				Greenhouse-Geisser	89.600	1.741	51.479	3.972	.028
Huynh-Feldt	89.600			1.815	49.370	3.972	.027		
Lower-bound	89.600			1.000	89.600	3.972	.053		
Error(factor1)	Sphericity Assumed		879.733	78	11.279				
	Greenhouse-Geisser		879.733	67.881	12.960				
	Huynh-Feldt		879.733	70.780	12.429				
	Lower-bound		879.733	39.000	22.557				

Within-Subjects Factors

factor1	Dependent Variable
1	PreBTInternProbTScore
2	Post1BTInternProbTScore
3	Post2BTInternProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	358.373	2	179.186	12.089	.000		
		Greenhouse-Geisser	358.373	1.652	216.870	12.089	.000		
		Huynh-Feldt	358.373	1.728	207.332	12.089	.000		
		Lower-bound	358.373	1.000	358.373	12.089	.001		
	Error(factor1)	Sphericity Assumed	978.294	66	14.823				
		Greenhouse-Geisser	978.294	54.532	17.940				
		Huynh-Feldt	978.294	57.040	17.151				
		Lower-bound	978.294	33.000	29.645				
		Treatment	factor1	Sphericity Assumed	122.150	2	61.075	4.236	.018
				Greenhouse-Geisser	122.150	1.549	78.844	4.236	.028
Huynh-Feldt	122.150			1.601	76.281	4.236	.026		
Lower-bound	122.150			1.000	122.150	4.236	.046		
Error(factor1)	Sphericity Assumed	1124.517	78	14.417					
	Greenhouse-Geisser	1124.517	60.421	18.611					
	Huynh-Feldt	1124.517	62.451	18.006					
	Lower-bound	1124.517	39.000	28.834					

Within-Subjects Factors

factor1	Dependent Variable
1	PreBTSchool ProbTScore
2	Post1BTScho olProbTScore
3	Post2BTScho olProbTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	38.255	2	19.127	1.502	.230	
		Greenhouse-Geisser	38.255	1.878	20.374	1.502	.231	
		Huynh-Feldt	38.255	1.987	19.253	1.502	.230	
		Lower-bound	38.255	1.000	38.255	1.502	.229	
	Error(factor1)	Sphericity Assumed	840.412	66	12.734			
		Greenhouse-Geisser	840.412	61.962	13.563			
		Huynh-Feldt	840.412	65.571	12.817			
		Lower-bound	840.412	33.000	25.467			
	Treatment	factor1	Sphericity Assumed	49.117	2	24.558	2.590	.081
			Greenhouse-Geisser	49.117	1.982	24.786	2.590	.082
Huynh-Feldt			49.117	2.000	24.558	2.590	.081	
Lower-bound			49.117	1.000	49.117	2.590	.116	
Error(factor1)		Sphericity Assumed	739.550	78	9.481			
		Greenhouse-Geisser	739.550	77.283	9.569			
		Huynh-Feldt	739.550	78.000	9.481			
		Lower-bound	739.550	39.000	18.963			



Within-Subjects Factors

factor1	Dependent Variable
1	PreBTBehavSymptIndexTScore
2	Post1BTBehavSymptIndexTScore
3	Post2BTBehavSymptIndexTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	115.118	2	57.559	6.896	.002	
		Greenhouse-Geisser	115.118	1.621	71.026	6.896	.004	
		Huynh-Feldt	115.118	1.692	68.020	6.896	.003	
		Lower-bound	115.118	1.000	115.118	6.896	.013	
	Error(factor1)	Sphericity Assumed	550.882	66	8.347			
		Greenhouse-Geisser	550.882	53.486	10.300			
		Huynh-Feldt	550.882	55.850	9.864			
		Lower-bound	550.882	33.000	16.693			
	Treatment	factor1	Sphericity Assumed	99.517	2	49.758	4.902	.010
			Greenhouse-Geisser	99.517	1.874	53.090	4.902	.011
Huynh-Feldt			99.517	1.966	50.625	4.902	.010	
Lower-bound			99.517	1.000	99.517	4.902	.033	
Error(factor1)		Sphericity Assumed	791.817	78	10.151			
		Greenhouse-Geisser	791.817	73.105	10.831			
		Huynh-Feldt	791.817	76.664	10.328			
		Lower-bound	791.817	39.000	20.303			

Within-Subjects Factors

factor1	Dependent Variable
1	PreBTAdaptiveSkillsTScore
2	Post1BTAdaptiveSkillsTScore
3	Post2BTAdaptiveSkillsTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	24.843	2	12.422	1.303	.279
		Greenhouse-Geisser	24.843	1.777	13.977	1.303	.277
		Huynh-Feldt	24.843	1.871	13.275	1.303	.278
		Lower-bound	24.843	1.000	24.843	1.303	.262
	Error(factor1)	Sphericity Assumed	629.157	66	9.533		
		Greenhouse-Geisser	629.157	58.655	10.726		
		Huynh-Feldt	629.157	61.758	10.187		
		Lower-bound	629.157	33.000	19.065		
Treatment	factor1	Sphericity Assumed	288.050	2	144.025	9.521	.000
		Greenhouse-Geisser	288.050	1.692	170.218	9.521	.000
		Huynh-Feldt	288.050	1.761	163.595	9.521	.000
		Lower-bound	288.050	1.000	288.050	9.521	.004
	Error(factor1)	Sphericity Assumed	1179.950	78	15.128		
		Greenhouse-Geisser	1179.950	65.997	17.879		
		Huynh-Feldt	1179.950	68.669	17.183		
		Lower-bound	1179.950	39.000	30.255		

Problem Solving Inventory

Within-Subjects Factors

factor1	Dependent Variable
1	PreProblemSolveTotal
2	Post1ProblemSolveTotal
3	Post2ProblemSolveTotal

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	14.574	2	7.287	.111	.895	
		Greenhouse-Geisser	14.574	1.959	7.438	.111	.891	
		Huynh-Feldt	14.574	2.000	7.287	.111	.895	
		Lower-bound	14.574	1.000	14.574	.111	.741	
	Error(factor1)	Sphericity Assumed	4578.759	70	65.411			
		Greenhouse-Geisser	4578.759	68.581	66.764			
		Huynh-Feldt	4578.759	70.000	65.411			
		Lower-bound	4578.759	35.000	130.822			
	Treatment	factor1	Sphericity Assumed	5337.318	2	2668.659	17.482	.000
			Greenhouse-Geisser	5337.318	1.421	3755.992	17.482	.000
			Huynh-Feldt	5337.318	1.457	3664.462	17.482	.000
			Lower-bound	5337.318	1.000	5337.318	17.482	.000
Error(factor1)		Sphericity Assumed	12822.682	84	152.651			
		Greenhouse-Geisser	12822.682	59.683	214.848			
		Huynh-Feldt	12822.682	61.173	209.612			
		Lower-bound	12822.682	42.000	305.302			



Family Assessment Measure

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIITaskAccomplishment
2	Post1FAMIITaskAccomplishment
3	Post2FAMIITaskAccomplishment

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	24.491	2	12.246	.392	.677
		Greenhouse-Geisser	24.491	1.737	14.098	.392	.648
		Huynh-Feldt	24.491	1.815	13.491	.392	.657
		Lower-bound	24.491	1.000	24.491	.392	.535
	Error(factor1)	Sphericity Assumed	2308.842	74	31.201		
		Greenhouse-Geisser	2308.842	64.278	35.919		
		Huynh-Feldt	2308.842	67.169	34.373		
		Lower-bound	2308.842	37.000	62.401		
Treatment	factor1	Sphericity Assumed	649.333	2	324.667	7.190	.001
		Greenhouse-Geisser	649.333	1.964	330.639	7.190	.001
		Huynh-Feldt	649.333	2.000	324.667	7.190	.001
		Lower-bound	649.333	1.000	649.333	7.190	.011
	Error(factor1)	Sphericity Assumed	3702.667	82	45.154		
		Greenhouse-Geisser	3702.667	80.519	45.985		
		Huynh-Feldt	3702.667	82.000	45.154		
		Lower-bound	3702.667	41.000	90.309		



Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIIIRolePerformance
2	Post1FAMIIIRolePerformance
3	Post2FAMIIIRolePerformance

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	53.053	2	26.526	.596	.554		
		Greenhouse-Geisser	53.053	1.891	28.051	.596	.545		
		Huynh-Feldt	53.053	1.990	26.659	.596	.553		
		Lower-bound	53.053	1.000	53.053	.596	.445		
	Error(factor1)	Sphericity Assumed	3293.614	74	44.508				
		Greenhouse-Geisser	3293.614	69.977	47.067				
		Huynh-Feldt	3293.614	73.633	44.730				
		Lower-bound	3293.614	37.000	89.017				
		Treatment	factor1	Sphericity Assumed	755.492	2	377.746	6.098	.003
				Greenhouse-Geisser	755.492	1.962	384.989	6.098	.004
Huynh-Feldt	755.492			2.000	377.746	6.098	.003		
Lower-bound	755.492			1.000	755.492	6.098	.018		
Error(factor1)	Sphericity Assumed	5079.175	82	61.941					
	Greenhouse-Geisser	5079.175	80.457	63.129					
	Huynh-Feldt	5079.175	82.000	61.941					
	Lower-bound	5079.175	41.000	123.882					

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIICommunication
2	Post1FAMIICommunication
3	Post2FAMIICommunication

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.		
Control	factor1	Sphericity Assumed	76.281	2	38.140	.948	.392		
		Greenhouse-Geisser	76.281	1.671	45.642	.948	.379		
		Huynh-Feldt	76.281	1.741	43.814	.948	.382		
		Lower-bound	76.281	1.000	76.281	.948	.337		
	Error(factor1)	Sphericity Assumed	2977.053	74	40.230				
		Greenhouse-Geisser	2977.053	61.837	48.144				
		Huynh-Feldt	2977.053	64.418	46.215				
		Lower-bound	2977.053	37.000	80.461				
		Treatment	factor1	Sphericity Assumed	192.190	2	96.095	1.607	.207
				Greenhouse-Geisser	192.190	1.704	112.777	1.607	.210
Huynh-Feldt	192.190			1.771	108.549	1.607	.210		
Lower-bound	192.190			1.000	192.190	1.607	.212		
Error(factor1)	Sphericity Assumed		4903.810	82	59.803				
	Greenhouse-Geisser		4903.810	69.871	70.184				
	Huynh-Feldt		4903.810	72.592	67.553				
	Lower-bound		4903.810	41.000	119.605				

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIIIAffectiveExpression
2	Post1FAMIIIAffectiveExpression
3	Post2FAMIIIAffectiveExpression

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	8.912	2	4.456	.127	.881
		Greenhouse-Geisser	8.912	1.623	5.490	.127	.839
		Huynh-Feldt	8.912	1.687	5.282	.127	.847
		Lower-bound	8.912	1.000	8.912	.127	.724
	Error(factor1)	Sphericity Assumed	2601.754	74	35.159		
		Greenhouse-Geisser	2601.754	60.066	43.315		
		Huynh-Feldt	2601.754	62.429	41.676		
		Lower-bound	2601.754	37.000	70.318		
Treatment	factor1	Sphericity Assumed	721.444	2	360.722	7.239	.001
		Greenhouse-Geisser	721.444	1.684	428.353	7.239	.002
		Huynh-Feldt	721.444	1.748	412.644	7.239	.002
		Lower-bound	721.444	1.000	721.444	7.239	.010
	Error(factor1)	Sphericity Assumed	4085.889	82	49.828		
		Greenhouse-Geisser	4085.889	69.053	59.170		
		Huynh-Feldt	4085.889	71.682	57.000		
		Lower-bound	4085.889	41.000	99.656		

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIIIInvolvement
2	Post1FAMIIIInvolvement
3	Post2FAMIIIInvolvement

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	65.895	2	32.947	.819	.445
		Greenhouse-Geisser	65.895	1.971	33.439	.819	.443
		Huynh-Feldt	65.895	2.000	32.947	.819	.445
		Lower-bound	65.895	1.000	65.895	.819	.371
	Error(factor1)	Sphericity Assumed	2976.772	74	40.227		
		Greenhouse-Geisser	2976.772	72.911	40.827		
		Huynh-Feldt	2976.772	74.000	40.227		
		Lower-bound	2976.772	37.000	80.453		
Treatment	factor1	Sphericity Assumed	449.333	2	224.667	2.633	.078
		Greenhouse-Geisser	449.333	1.857	241.967	2.633	.082
		Huynh-Feldt	449.333	1.941	231.442	2.633	.080
		Lower-bound	449.333	1.000	449.333	2.633	.112
	Error(factor1)	Sphericity Assumed	6996.000	82	85.317		
		Greenhouse-Geisser	6996.000	76.137	91.887		
		Huynh-Feldt	6996.000	79.599	87.890		
		Lower-bound	6996.000	41.000	170.634		

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIIIControl
2	Post1FAMIIControl
3	Post2FAMIIControl

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	150.386	2	75.193	1.253	.292
		Greenhouse-Geisser	150.386	1.994	75.417	1.253	.292
		Huynh-Feldt	150.386	2.000	75.193	1.253	.292
		Lower-bound	150.386	1.000	150.386	1.253	.270
	Error(factor1)	Sphericity Assumed	4441.614	74	60.022		
		Greenhouse-Geisser	4441.614	73.781	60.200		
		Huynh-Feldt	4441.614	74.000	60.022		
		Lower-bound	4441.614	37.000	120.044		
Treatment	factor1	Sphericity Assumed	596.762	2	298.381	4.569	.013
		Greenhouse-Geisser	596.762	1.870	319.088	4.569	.015
		Huynh-Feldt	596.762	1.956	305.049	4.569	.014
		Lower-bound	596.762	1.000	596.762	4.569	.039
	Error(factor1)	Sphericity Assumed	5355.238	82	65.308		
		Greenhouse-Geisser	5355.238	76.679	69.840		
		Huynh-Feldt	5355.238	80.207	66.767		
		Lower-bound	5355.238	41.000	130.616		

Within-Subjects Factors

factor1	Dependent Variable
1	PreFAMIIIValuesNorms
2	Post1FAMIIIVValuesNorms
3	Post2FAMIIIVValuesNorms

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	11.860	2	5.930	.127	.881
		Greenhouse-Geisser	11.860	1.825	6.498	.127	.863
		Huynh-Feldt	11.860	1.915	6.194	.127	.872
		Lower-bound	11.860	1.000	11.860	.127	.723
	Error(factor1)	Sphericity Assumed	3449.474	74	46.615		
		Greenhouse-Geisser	3449.474	67.529	51.081		
		Huynh-Feldt	3449.474	70.849	48.688		
		Lower-bound	3449.474	37.000	93.229		
Treatment	factor1	Sphericity Assumed	872.444	2	436.222	8.694	.000
		Greenhouse-Geisser	872.444	1.969	442.979	8.694	.000
		Huynh-Feldt	872.444	2.000	436.222	8.694	.000
		Lower-bound	872.444	1.000	872.444	8.694	.005
	Error(factor1)	Sphericity Assumed	4114.222	82	50.173		
		Greenhouse-Geisser	4114.222	80.749	50.951		
		Huynh-Feldt	4114.222	82.000	50.173		
		Lower-bound	4114.222	41.000	100.347		

Resiliency Scales for Adolescents

Within-Subjects Factors

factor1	Dependent Variable
1	PreRSMasteryTotalTScore
2	Post1RSMasteryTotalTScore
3	Post2RSMasteryTotalTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	53.407	2	26.704	1.555	.218	
		Greenhouse-Geisser	53.407	1.921	27.801	1.555	.219	
		Huynh-Feldt	53.407	2.000	26.704	1.555	.218	
		Lower-bound	53.407	1.000	53.407	1.555	.221	
	Error(factor1)	Sphericity Assumed	1201.926	70	17.170			
		Greenhouse-Geisser	1201.926	67.237	17.876			
		Huynh-Feldt	1201.926	70.000	17.170			
		Lower-bound	1201.926	35.000	34.341			
	Treatment	factor1	Sphericity Assumed	1373.577	2	686.789	18.749	.000
			Greenhouse-Geisser	1373.577	1.865	736.573	18.749	.000
			Huynh-Feldt	1373.577	1.952	703.509	18.749	.000
			Lower-bound	1373.577	1.000	1373.577	18.749	.000
Error(factor1)		Sphericity Assumed	2930.423	80	36.630			
		Greenhouse-Geisser	2930.423	74.593	39.286			
		Huynh-Feldt	2930.423	78.099	37.522			
		Lower-bound	2930.423	40.000	73.261			

Within-Subjects Factors

factor1	Dependent Variable
1	PreRSRelatednessTotalTScore
2	Post1RSRelatednessTotalTScore
3	Post2RSRelatednessTotalTScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	107.574	2	53.787	2.542	.086	
		Greenhouse-Geisser	107.574	1.840	58.477	2.542	.091	
		Huynh-Feldt	107.574	1.937	55.541	2.542	.088	
		Lower-bound	107.574	1.000	107.574	2.542	.120	
	Error(factor1)	Sphericity Assumed	1481.093	70	21.158			
		Greenhouse-Geisser	1481.093	64.386	23.003			
		Huynh-Feldt	1481.093	67.789	21.849			
		Lower-bound	1481.093	35.000	42.317			
	Treatment	factor1	Sphericity Assumed	352.065	2	176.033	3.633	.031
			Greenhouse-Geisser	352.065	1.470	239.494	3.633	.046
			Huynh-Feldt	352.065	1.512	232.791	3.633	.044
			Lower-bound	352.065	1.000	352.065	3.633	.064
Error(factor1)		Sphericity Assumed	3875.935	80	48.449			
		Greenhouse-Geisser	3875.935	58.801	65.916			
		Huynh-Feldt	3875.935	60.495	64.071			
		Lower-bound	3875.935	40.000	96.898			

Within-Subjects Factors

factor1	Dependent Variable
1	PreRSERTotalScore
2	Post1RSERTotalScore
3	Post2RSERTotalScore

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.
Control	factor1	Sphericity Assumed	305.796	2	152.898	2.552	.085
		Greenhouse-Geisser	305.796	1.925	158.867	2.552	.087
		Huynh-Feldt	305.796	2.000	152.898	2.552	.085
		Lower-bound	305.796	1.000	305.796	2.552	.119
	Error(factor1)	Sphericity Assumed	4194.204	70	59.917		
		Greenhouse-Geisser	4194.204	67.370	62.256		
		Huynh-Feldt	4194.204	70.000	59.917		
		Lower-bound	4194.204	35.000	119.834		
Treatment	factor1	Sphericity Assumed	444.407	2	222.203	3.454	.036
		Greenhouse-Geisser	444.407	1.718	258.649	3.454	.044
		Huynh-Feldt	444.407	1.788	248.558	3.454	.042
		Lower-bound	444.407	1.000	444.407	3.454	.070
	Error(factor1)	Sphericity Assumed	5146.927	80	64.337		
		Greenhouse-Geisser	5146.927	68.727	74.889		
		Huynh-Feldt	5146.927	71.517	71.967		
		Lower-bound	5146.927	40.000	128.673		

Bar-On Emotional Intelligence Quotient

Within-Subjects Factors

factor1	Dependent Variable
1	PreBarOnTotalEQ
2	Post1BarOnTotalEQ
3	Post2BarOnTotalEQ

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	2341.964	2	1170.982	11.566	.000	
		Greenhouse-Geisser	2341.964	1.855	1262.271	11.566	.000	
		Huynh-Feldt	2341.964	1.952	1199.815	11.566	.000	
		Lower-bound	2341.964	1.000	2341.964	11.566	.002	
	Error(factor1)	Sphericity Assumed	7289.369	72	101.241			
		Greenhouse-Geisser	7289.369	66.793	109.134			
		Huynh-Feldt	7289.369	70.270	103.734			
		Lower-bound	7289.369	36.000	202.482			
	Treatment	factor1	Sphericity Assumed	5364.136	2	2682.068	27.312	.000
			Greenhouse-Geisser	5364.136	1.795	2989.109	27.312	.000
Huynh-Feldt			5364.136	1.868	2872.008	27.312	.000	
Lower-bound			5364.136	1.000	5364.136	27.312	.000	
Error(factor1)		Sphericity Assumed	8445.197	86	98.200			
		Greenhouse-Geisser	8445.197	77.166	109.442			
		Huynh-Feldt	8445.197	80.312	105.154			
		Lower-bound	8445.197	43.000	196.400			



Multidimensional Self-Concept Scale

Within-Subjects Factors

factor1	Dependent Variable
1	PreMSCSTotalSS
2	Post1MSCSTotalSS
3	Post2MSCSTotalSS

Tests of Within-Subjects Effects

Control vs Treatment	Source		Type III Sum of Squares	df	Mean Square	F	Sig.	
Control	factor1	Sphericity Assumed	55.111	2	27.556	1.015	.370	
		Greenhouse-Geisser	55.111	1.972	27.950	1.015	.369	
		Huynh-Feldt	55.111	2.000	27.556	1.015	.370	
		Lower-bound	55.111	1.000	55.111	1.015	.324	
	Error(factor1)	Sphericity Assumed	1248.222	46	27.135			
		Greenhouse-Geisser	1248.222	45.350	27.524			
		Huynh-Feldt	1248.222	46.000	27.135			
		Lower-bound	1248.222	23.000	54.271			
	Treatment	factor1	Sphericity Assumed	2039.353	2	1019.676	13.808	.000
			Greenhouse-Geisser	2039.353	1.765	1155.561	13.808	.000
			Huynh-Feldt	2039.353	1.857	1098.197	13.808	.000
			Lower-bound	2039.353	1.000	2039.353	13.808	.001
Error(factor1)		Sphericity Assumed	4873.980	66	73.848			
		Greenhouse-Geisser	4873.980	58.239	83.689			
		Huynh-Feldt	4873.980	61.281	79.535			
		Lower-bound	4873.980	33.000	147.696			

