

Florida Parenting Assessment Project:  
Administering the Adult-Adolescent Parenting Inventory (AAPI-2)

Contract LJ327

**Six Year Summary Report for FY 1999-2005**

Submitted by:

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### INTRODUCTION

In the summer of 1999, a multi-year study began in Florida designed to determine the impact parent education programs were having on improving the parenting and child-rearing practices of parents recognized by the Florida Department of Children and Families (DCF) as abusive/neglecting or high risk for child maltreatment in Florida. Agencies receiving funding from DCF for their parenting programs were required to participate in the study. The Adult-Adolescent Parenting Inventory (AAPI-2), developed by Bavolek and Keene (1999) was selected as the common assessment tool all parents attending programs would complete. A simple pre-posttest design measuring the effectiveness of the various interventions would provide some measure of program effectiveness.

### AGENCY PARTICIPATION

The data appended to this report show that 129 individual providers have participated in the study during the past six years. Of these agencies, the Child Guidance Center (12%) and the Family Assistance Support Team, WWH, BHD (13%) have accounted for 38% of the 23,829 matched pre-post inventories.

The six-year summary list of agencies participating in the study is located on pages 4 - 6.

### SUMMARY OF DEMOGRAPHICS (Pages 7 - 14)

The cumulative AAPI-2 data for FY's 1999-00, 2000-01, 2001-02, 2002-03, 2003-04 and 2004-05 show a consistent demographic pattern.

1. Since data collection began in FY 1999-00, 37,249 inventories have been scored and analyzed. Of these, 25,124 are matched pre-posttest. Approximately 12,125 (33%) AAPIs are unmatched (pretest with no posttest; posttest with no pretest).
2. Approximately 75% of the parents are females in the 30 to 39 year age range. Twenty-five percent (25%) of the parents are males. Within the male respondents, 70% are in the 30 to 49 year age range.
3. Teen parents accounted for 9% of the females and less than 1% of the males.
4. Only 26% of the parents in the study indicated they were married. The most reported category was single parent females constituting nearly 30% of the population. Married males constituted nearly 35% of the male population.
5. Nearly 65% of the females and 62% of the males recommended for parenting education were identified as *Neglecting*.
6. Twenty-percent (20%) of the parents earned under \$15,000 annually. Of this group, almost 29% were reported for neglect. Twenty-four percent (24%) earned \$25,000 or less. Nearly 65% of families in these two income ranges were recommended for parenting due to *Neglect*. This finding is consistent across all racial groups.
7. Nearly 42% of the parents identified as neglecting fell in the 30 to 39 year age range. Among teen parents (under 19 years), neglect was also the predominant concern for referral.
8. Parents with an 8<sup>th</sup> grade education or less accounted for 21% of the matched pre-post parent population. Thirty percent (30%) of the parents had between 9 and 12 years of schooling while 49% had some college or graduated college.

## AAPI-2 DATA (Pages 15 - 28)

1. A review of the six-year data indicates **25,124** pre-posttest matches were scored and analyzed. There were **12,125** unmatched inventories representing 33% of all the inventories submitted for scoring.
2. Unmatched pretests (pretest but no posttest) over the six years have ranged from a high of 72% in Year One to a low of 43% in Year Three. Essentially, only 28% of the AAPIs in Year One could be matched (pretest and posttest). Since Year One, the percentage of matched pre and posttests has improved: Year Two: 49%; Year Three: 57%; Year Four: 53%; Year 5: 52%, Year 6: 56%. Of the 37,249 total AAPIs submitted for scoring and analyses in six years, 68% had matched pairs (pretest and posttest), while thirty-two percent (32%) had no matched posttests.
3. An analyses of the matched pre and posttests for all six years show statistically significant changes were made in all five parenting Constructs measured by the AAPI-2. Posttest scores were significantly higher than pretest scores.
4. An analyses of the "Over 4 Posttest Sten" requirement introduced by DCF in FY 2002-03 shows the standard has not been met statewide in the last three years.

Stated Standard: 80% or more of posttest scores fall above the 1 to 3 sten range.

### Findings:

Construct A: Inappropriate Expectations of Children	73%
Construct B: Empathy	65%
Construct C: Belief in Corporal Punishment	73%
Construct D: Role Reversal	64%
Construct E: Restricts Power & Independence	70%

## SUMMARY AND RECOMMENDATIONS

1. During the past six years, 37,249 AAPIs have been completed and analyzed. Of this total, 25,124 of these have recorded pre and posttest matches. Only 34% of the inventories are unmatched. This is a dramatic improvement from Year One in the project when only 25% of the inventories submitted for scoring had matched posttest scores.

### Recommendation:

DCF providers made significant advances in encouraging their parents to complete their programs. Thousands of families benefited from parent education because providers put an emphasis on parents completing their programs.

It is recommended that DCF providers continue to emphasize that families complete their parenting programs. By increasing the percentage of families completing their program to 80%, thousands more families and children in Florida will realize the benefits of healthy, positive parenting patterns.

2. There is positive information generated from the data:
  - a. The posttest mean scores for each of the six years are all higher than the pretest scores. This means families who complete their parenting programs express more positive parenting attitudes than families who drop out.
  - b. The percentage of pretest scores falling into the 1 to 3 sten range which constitute the "highest risk parenting attitudes" is much lower in each of the five Construct scores than the percentage of scores in that same range for pretest scores and unmatched scores. These data support the value of parents completing their parenting programs.

### Recommendation:

The relationship between parents completing their parenting program and their improvement in positive parenting attitudes is very significant. Parents who complete their program express positive posttest parenting attitudes.

Once again, emphasis should be on encouraging parents to complete their parenting program.

3. The effectiveness of some of the parenting programs being offered in Florida has a greater positive impact on the families than other programs. This may be related to the program itself, the competency of the staff implementing the programs, or the improper screening of families into parenting programs that are not appropriate for their needs. There are still an unacceptably high percentage of the AAPI posttest scores falling into the high risk 1 to 3 sten range. Approximately 30% of the parents completing their parenting programs still express highly abusive and neglecting parenting attitudes.

Recommendation:

Previous research examining the effectiveness of parenting programs has found that longer term programs yield greater results. Programs 90 or more days in length had greater posttest gains. Longitudinal follow-up studies however need to be conducted to examine the long term effectiveness of programs.

## Agencies by Year for Six Year Florida Report AAPI2

Agency Names Six Year Report		Count	Col %
Family Assistance Support Team, WHH, BHD		3085	12.9%
Child Guidance Center, Inc.		2732	11.5%
Children's Advocacy Center of SWFL		1204	5.1%
University of Florida Dept. of Pediatrics		861	3.6%
UF, Department of Pediatrics		657	2.8%
Family Resource Center of Dade County Parent Ed		627	2.6%
Northside Mental Health Center, Inc		623	2.6%
Yellow Umbrella, Exchange Club Center,		581	2.4%
Center for Family and Child Enrichment, Inc. CAPP Program		542	2.3%
Exchange Club CASTLE of the Treasure Coast, Inc		482	2.0%
Family Nurturing Center		475	2.0%
CHS, Osceola County Visitation Center		434	1.8%
Southwest Florida Children's Fund		432	1.8%
Directions for Mental Health		353	1.5%
Family Resource Center of South Florida, Inc.		335	1.4%
Hugs for Kids (The Exchange Club: Dick Webber Center)		326	1.4%
Healthy Families Orange		325	1.4%
Children's Advocacy Center of Florida, Brevard Division		324	1.4%
Wesley House Family Services		320	1.3%
CHS, Central Florida Division		318	1.3%
CHS, South Daytona, HIS		302	1.3%
Charlotte Community Mental Health Services, Inc.		297	1.2%
Family Central, Inc.		292	1.2%
House Next Door - Making Changes		277	1.2%
CHS, Tri-County, Chiefland		249	1.0%
Therapeutic Homemaker Program, PSSF		249	1.0%
Community Coordinated Care for Children, MELD for Young Moms		248	1.0%
Brehon Institute for Family Services		243	1.0%
Center for Family and Child Enrichment, Inc. CAPP Program		236	1.0%
Mothers in Crisis		208	.9%
Youth and Family Alternatives, Inc		206	.9%
CHS, Osceola Office Perinatal		188	.8%
Family Resource Program of Santa Rosa County, PSSF		177	.7%
CHS, Gainesville, Mid Florida		172	.7%
CHS, Osceola Family Visitation Center		171	.7%
Lutheran Services of Florida, Lauderdale Lakes		169	.7%
Family Builders, Meridian Behavioral Health		167	.7%
CHS, South Daytona, HRN		159	.7%
Step by Step: Parenting Birth to 2		155	.7%
Kids in Distress		151	.6%
The Salvation Army of Seminole, Family Visitation		151	.6%
Prevent of Brevard, Inc.		150	.6%
CHS, Lake City, Mid Florida		135	.6%
Family Resource Program of Escambia County		130	.5%
Youth Haven, Inc.		128	.5%
CHS, High Risk Newborn of Osceola		127	.5%

Urban League of Greater Miami, Inc, Rainbow Club	122	.5%
Family Resource Program of Okaloosa County, PSSF	120	.5%
Family Resource Center Program	110	.5%
Parent Ed Continuum of Okaloosa County	110	.5%
Bridges / Project Pass, Community Services Resource Program	109	.5%
CHS, Central Florida Division, Sanford	105	.4%
House Next Door - Families Empowering Families	104	.4%
Sexual Assault Treatment Center, Our House, Inc	104	.4%
St Paul Community Empowerment Center	104	.4%
National Alliance for Youth Sports	103	.4%
Osceola County Health Dept, Success by Six	94	.4%
Volusia County Schools	87	.4%
House Next Door - Step by Step Parenting	84	.4%
CHS, Brevard	81	.3%
Choices for Change, Child Abuse Council, Inc	74	.3%
Family Continuity Programs - Men's Intervention	74	.3%
Hillsborough County Health Dept, Home Visitor	72	.3%
Child Care Association of Brevard	71	.3%
Life Management Center of Northwest Florida, Inc	70	.3%
Ruth Cooper Center (Lee Mental Health Center)	68	.3%
Home Visitor Program, PSSF	67	.3%
Homemaker Services Program, Orange County Youth & Family Ser	66	.3%
Lutheran Services of Florida, Ft Myers	65	.3%
Coastal Recovery Center	59	.2%
Seminole County Success by Six Program	58	.2%
Exchange Club Family Partnership Center of Manatee County	57	.2%
Healthy Families, Osceola	57	.2%
Minority Development and Empowerment, Inc	56	.2%
Capital City Youth Services	54	.2%
Parent Education of Walton County, COPE Center, PSSF	54	.2%
Pinellas County Health Dept	54	.2%
Healthy Options Program	53	.2%
CHS, South Daytona, HMV	51	.2%
Bridges / Project Pass, Community Services Resource Pro	45	.2%
CHS, Ft Lauderdale - ISS	44	.2%
Home Visitor High Risk Newborn Program	44	.2%
Dixie County Even Start	43	.2%
Parenting Plus, PSSF	39	.2%
Abriendo Puertas Little Havana Neighborhood Center	38	.2%
CHS, Gainesville	37	.2%
Healthy Families Escambia	35	.1%
Hendry County Health Dept	33	.1%
Devereux FL, Family Support & Visitation Center	32	.1%
Infant Learning Project, PSSF	32	.1%
CHS, Trenton	30	.1%
Grove Counseling Center	30	.1%
Loaves and Fishes	29	.1%
Children's Service Center	28	.1%
Exchange Club Family Partnership Center of Manatee County	28	.1%
Boys Town Common Sense Parenting Classes	27	.1%
Department of Corrections	26	.1%

Family Resource Center / Adler Support Center	25	.1%
CHS, Ft Lauderdale - SAFE	24	.1%
CHS, North Coastal Division	23	.1%
CHS, Miami, Allapattah Neighbor Center	21	.1%
CHS, (Children's Home Society)	20	.1%
Hendry-Glades Mental Health Clinic	20	.1%
Tots and Teens	20	.1%
Agape Women's Center	19	.1%
Center for Family and Child Enrichment, Inc, ICCP Program	19	.1%
Unknown	18	.1%
Jericho School	18	.1%
Kids Incorporated	18	.1%
Manatee Children's Services, Inc	18	.1%
Allapattah-Brownsville Family Center	15	.1%
Camelot Community Care, Family Preservation Services of Florida	15	.1%
Habilitative Services of North Florida	14	.1%
Court Admin, Second Judicial Circuit	13	.1%
Catholic Charities	12	.1%
Community Intervention and Research Center	12	.1%
Boys Town of Okaloosa Co, Parent Ed Continuum, PSSF	11	.0%
CHS, Family Visitation House	11	.0%
Family Neighborhood Project	10	.0%
First Coast Family Center	10	.0%
The Bill Reilly Center	8	.0%
CHS, Tallahassee	7	.0%
Community Drug and Alcohol Council	6	.0%
Great Family Network	4	.0%
Pattison Professional Counseling of Okaloosa County, PSSF	4	.0%
CBFRSP	2	.0%
Family Resource Program of Walton County, PSSF	1	.0%
Lutheran Services of Florida, Ft Walton Beach	1	.0%
Total	23829	100.0%

# Six Year Demographics for Florida Study Cumulative 1999 to 2005

**Six Year Total by Year Florida Report AAPI2**

Program	Year 1	99/00	2886
Year	Year 2	00/01	5296
	Year 3	01/02	4626
	Year 4	02/03	4709
	Year 5	03/04	3360
	Year 6	04/05	3411
Total			24288

**PrimaryLast7**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Duplicate Case	13064	35.1	35.1	35.1
	Primary Case	24185	64.9	64.9	100.0
	Total	37249	100.0	100.0	

**MatchSequence7**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	11993	32.2	32.2	32.2
	1	12192	32.7	32.7	64.9
	2	12192	32.7	32.7	97.7
	3	458	1.2	1.2	98.9
	4	362	1.0	1.0	99.9
	5	31	.1	.1	99.9
	6	21	.1	.1	100.0
Total		37249	100.0	100.0	

**Testings by Year for Six Year Florida Report AAPI2**

		Program Year						Total
		Year 1 99/00	Year 2 00/01	Year 3 01/02	Year 4 02/03	Year 5 03/04	Year 6 04/05	Count
		Count	Count	Count	Count	Count	Count	
Testing	Pre Test 1	2886	5296	4626	4709	3360	3411	24288
	Post Test 1	791	2548	2621	2464	1727	1685	11836
	Pre Test 2	13	109	210	274	153		759
	Post Test 2	2	27	77	108	78		292
	Pre Test 3		4	16	15	16		51
	Post Test 3			10	8	4		22
	Pre Test 4			1				1
Total		3692	7984	7561	7578	5338	5096	37249

**Age by Gender  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Age1	19 or Less	142	.6%	2139	9.2%	2281	9.8%
	20-29	209	.9%	1405	6.1%	1614	7.0%
	30-39	2092	9.0%	7447	32.2%	9539	41.2%
	40-49	1851	8.0%	4340	18.7%	6191	26.7%
	50-59	1198	5.2%	1864	8.0%	3062	13.2%
	60 or Higher	195	.8%	279	1.2%	474	2.0%
Total		5687	24.6%	17474	75.4%	23161	100.0%

**Age by Gender by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Age1	19 or Less	142	.6%	2139	9.2%	2281	9.8%
	20-29	209	.9%	1405	6.1%	1614	7.0%
	30-39	2092	9.0%	7447	32.2%	9539	41.2%
	40-49	1851	8.0%	4340	18.7%	6191	26.7%
	50-59	1198	5.2%	1864	8.0%	3062	13.2%
	60 or Higher	195	.8%	279	1.2%	474	2.0%
Total		5687	24.6%	17474	75.4%	23161	100.0%

**Marital Status by Gender  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Marital Status	None Listed	75	.3%	184	.8%	259	1.1%
	Married	2167	8.9%	4215	17.4%	6382	26.4%
	Unmarried MF	1158	4.8%	2516	10.4%	3674	15.2%
	UnMarried MM	18	.1%	3	.0%	21	.1%
	UnMarried FF	3	.0%	17	.1%	20	.1%
	F Householder, No Mate	52	.2%	7156	29.5%	7208	29.8%
	M Householder, No Mate	1280	5.3%	23	.1%	1303	5.4%
	Single, None of Above	263	1.1%	779	3.2%	1042	4.3%
Other	1070	4.4%	3241	13.4%	4311	17.8%	
Total		6086	25.1%	18134	74.9%	24220	100.0%

**Marital Status by Gender by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Marital Status	None Listed	75	.3%	184	.8%	259	1.1%
	Married	2167	8.9%	4215	17.4%	6382	26.4%
	Unmarried MF	1158	4.8%	2516	10.4%	3674	15.2%
	UnMarried MM	18	.1%	3	.0%	21	.1%
	UnMarried FF	3	.0%	17	.1%	20	.1%
	F Householder, No Mate	52	.2%	7156	29.5%	7208	29.8%
	M Householder, No Mate	1280	5.3%	23	.1%	1303	5.4%
	Single, None of Above	263	1.1%	779	3.2%	1042	4.3%
Other	1070	4.4%	3241	13.4%	4311	17.8%	
Total		6086	25.1%	18134	74.9%	24220	100.0%

**Abuse Neglect by Gender  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Abuse Neglect ID (Banded)	Abusive Only	421	1.8%	860	3.8%	1281	5.6%
	At Risk	242	1.1%	869	3.8%	1111	4.9%
	Both Abusive & Neglecting	1040	4.6%	2224	9.7%	3264	14.3%
	Neglecting Only	3546	15.5%	11158	48.9%	14704	64.4%
	Normal	508	2.2%	1972	8.6%	2480	10.9%
Total		5757	25.2%	17083	74.8%	22840	100.0%

**Abuse Neglect by Gender by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Gender				Total	
		Male		Female		Count	Table %
		Count	Table %	Count	Table %		
Abuse	Abusive Only	421	1.8%	860	3.8%	1281	5.6%
Neglect ID (Banded)	At Risk	242	1.1%	869	3.8%	1111	4.9%
	Both Abusive & Neglecting	1040	4.6%	2224	9.7%	3264	14.3%
	Neglecting Only	3546	15.5%	11158	48.9%	14704	64.4%
	Normal	508	2.2%	1972	8.6%	2480	10.9%
Total		5757	25.2%	17083	74.8%	22840	100.0%

**Abuse Neglect by Income  
Six Year Report Florida  
1999 to 2005 (Count)**

		Abuse Neglect ID (Banded)					Total
		Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	Count
		Count	Count	Count	Count	Count	
Income	Under \$ 15,000	426	148	580	3018	438	4610
Number	\$ 15,000 to \$ 24,999	410	557	1505	6508	1001	9981
	\$ 25,000 to \$ 34,999	230	259	662	2765	477	4393
	\$ 35,000 to \$ 44,999	104	82	299	1276	236	1997
	\$ 50,000 to \$ 74,999	57	39	145	685	138	1064
	\$ 75,000 to \$ 99,000	37	19	53	292	113	514
	\$ 100,000 to \$ 149,000	7	2	13	97	40	159
	Over \$ 150,000	9	5	8	63	37	122
	8	1				1	2
Total		1281	1111	3265	14704	2481	22842

**Abuse Neglect by Income  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Abuse Neglect ID (Banded)					Total
		Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	Table %
		Table %	Table %	Table %	Table %	Table %	
Income	Under \$ 15,000	1.9%	.6%	2.5%	13.2%	1.9%	20.2%
Number	\$ 15,000 to \$ 24,999	1.8%	2.4%	6.6%	28.5%	4.4%	43.7%
	\$ 25,000 to \$ 34,999	1.0%	1.1%	2.9%	12.1%	2.1%	19.2%
	\$ 35,000 to \$ 44,999	.5%	.4%	1.3%	5.6%	1.0%	8.7%
	\$ 50,000 to \$ 74,999	.2%	.2%	.6%	3.0%	.6%	4.7%
	\$ 75,000 to \$ 99,000	.2%	.1%	.2%	1.3%	.5%	2.3%
	\$ 100,000 to \$ 149,000	.0%	.0%	.1%	.4%	.2%	.7%
	Over \$ 150,000	.0%	.0%	.0%	.3%	.2%	.5%
	8	.0%				.0%	.0%
Total		5.6%	4.9%	14.3%	64.4%	10.9%	100.0%

**Abuse Neglect by Income by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Abuse Neglect ID (Banded)					Total
		Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	Table %
		Table %	Table %	Table %	Table %	Table %	
Income	Under \$ 15,000	1.9%	.6%	2.5%	13.2%	1.9%	20.2%
Number	\$ 15,000 to \$ 24,999	1.8%	2.4%	6.6%	28.5%	4.4%	43.7%
	\$ 25,000 to \$ 34,999	1.0%	1.1%	2.9%	12.1%	2.1%	19.2%
	\$ 35,000 to \$ 44,999	.5%	.4%	1.3%	5.6%	1.0%	8.7%
	\$ 50,000 to \$ 74,999	.2%	.2%	.6%	3.0%	.6%	4.7%
	\$ 75,000 to \$ 99,000	.2%	.1%	.2%	1.3%	.5%	2.3%
	\$ 100,000 to \$ 149,000	.0%	.0%	.1%	.4%	.2%	.7%
	Over \$ 150,000	.0%	.0%	.0%	.3%	.2%	.5%
	8	.0%	.0%	.0%	.3%	.0%	.0%
Total		5.6%	4.9%	14.3%	64.4%	10.9%	100.0%

**Abuse Neglect by Age  
Six Year Report Florida  
1999 to 2005 (Count)**

		Abuse Neglect ID (Banded)					Total
		Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	
Age1	19 or Less	58	57	132	1579	316	2142
	20-29	75	68	172	1038	166	1519
	30-39	469	519	1345	5892	839	9064
	40-49	390	299	888	3616	644	5837
	50-59	182	117	495	1701	361	2856
	60 or Higher	16	15	90	261	65	447
Total		1190	1075	3122	14087	2391	21865

**Abuse Neglect by Age  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Abuse Neglect ID (Banded)					Total
		Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	Table %
		Table %	Table %	Table %	Table %	Table %	
Age1	19 or Less	.3%	.3%	.6%	7.2%	1.4%	9.8%
	20-29	.3%	.3%	.8%	4.7%	.8%	6.9%
	30-39	2.1%	2.4%	6.2%	26.9%	3.8%	41.5%
	40-49	1.8%	1.4%	4.1%	16.5%	2.9%	26.7%
	50-59	.8%	.5%	2.3%	7.8%	1.7%	13.1%
	60 or Higher	.1%	.1%	.4%	1.2%	.3%	2.0%
Total		5.4%	4.9%	14.3%	64.4%	10.9%	100.0%

**Abuse Neglect by Age by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

	Abuse Neglect ID (Banded)					Total
	Abusive Only	At Risk	Both Abusive & Neglecting	Neglecting Only	Normal	Table %
	Table %	Table %	Table %	Table %	Table %	
Age1 19 or Less	.3%	.3%	.6%	7.2%	1.4%	9.8%
20-29	.3%	.3%	.8%	4.7%	.8%	6.9%
30-39	2.1%	2.4%	6.2%	26.9%	3.8%	41.5%
40-49	1.8%	1.4%	4.1%	16.5%	2.9%	26.7%
50-59	.8%	.5%	2.3%	7.8%	1.7%	13.1%
60 or Higher	.1%	.1%	.4%	1.2%	.3%	2.0%
Total	5.4%	4.9%	14.3%	64.4%	10.9%	100.0%

**Income by Race  
Six Year Report Florida  
1999 to 2005 (Count)**

	RaceID								Total
	None Listed	Asian	Hispanic	Pacific Islander	White	Black	Native American	Other	Count
	Count	Count	Count	Count	Count	Count	Count	Count	
Income Under \$ 15,000	7	15	287	5	1173	784	15	46	2332
Number \$ 15,000 to \$ 24,999	15	21	709	9	3617	1867	51	88	6377
\$ 25,000 to \$ 34,999	16	14	311	10	1881	628	21	31	2912
\$ 35,000 to \$ 44,999	6	8	138	3	932	220	14	17	1338
\$ 50,000 to \$ 74,999	2	4	73	2	532	101	6	13	733
\$ 75,000 to \$ 99,000	1	1	32	2	258	57	2	4	357
\$ 100,000 to \$ 149,000		3	9		85	11			108
Over \$ 150,000			4		70	6			80
8			1		1				2
Total	47	66	1564	31	8549	3674	109	199	14239

**Income by Race by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

	RaceID								Total
	None Listed	Asian	Hispanic	Pacific Islander	White	Black	Native American	Other	Table %
	Table %	Table %	Table %	Table %	Table %	Table %	Table %	Table %	
Income Under \$ 15,000	.0%	.1%	2.0%	.0%	8.2%	5.5%	.1%	.3%	16.4%
Number \$ 15,000 to \$ 24,999	.1%	.1%	5.0%	.1%	25.4%	13.1%	.4%	.6%	44.8%
\$ 25,000 to \$ 34,999	.1%	.1%	2.2%	.1%	13.2%	4.4%	.1%	.2%	20.5%
\$ 35,000 to \$ 44,999	.0%	.1%	1.0%	.0%	6.5%	1.5%	.1%	.1%	9.4%
\$ 50,000 to \$ 74,999	.0%	.0%	.5%	.0%	3.7%	.7%	.0%	.1%	5.1%
\$ 75,000 to \$ 99,000	.0%	.0%	.2%	.0%	1.8%	.4%	.0%	.0%	2.5%
\$ 100,000 to \$ 149,000		.0%	.1%		.6%	.1%			.8%
Over \$ 150,000			.0%		.5%	.0%			.6%
8			.0%		.0%				.0%
Total	.3%	.5%	11.0%	.2%	60.0%	25.8%	.8%	1.4%	100.0%

**Education by Abuse Neglect  
Six Year Report Florida  
1999 to 2005 (Count)**

		Years of Education				Total
		8 or Less	9th--12th	13th--16th	17 or Higher	Count
		Count	Count	Count	Count	
Abuse	Not Listed	385	127	171	45	728
Neglect	Abusive Only	73	145	242	76	536
	At Risk	153	388	431	128	1100
	Both Abusive & Neglecting	471	946	1284	422	3123
	Neglecting Only	3137	4418	5273	1611	14439
	Normal	378	687	919	446	2430
Total		4597	6711	8320	2728	22356

**Education by Abuse Neglect  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Years of Education				Total
		8 or Less	9th--12th	13th--16th	17 or Higher	Table %
		Table %	Table %	Table %	Table %	
Abuse	Not Listed	1.7%	.6%	.8%	.2%	3.3%
Neglect	Abusive Only	.3%	.6%	1.1%	.3%	2.4%
	At Risk	.7%	1.7%	1.9%	.6%	4.9%
	Both Abusive & Neglecting	2.1%	4.2%	5.7%	1.9%	14.0%
	Neglecting Only	14.0%	19.8%	23.6%	7.2%	64.6%
	Normal	1.7%	3.1%	4.1%	2.0%	10.9%
Total		20.6%	30.0%	37.2%	12.2%	100.0%

**Abuse Neglect by Marital Status  
Six Year Report Florida  
1999 to 2005 (Count)**

		Marital Status								Total	
		None Listed	Married	Unmarried MF	Un Married MM	Un Married FF	F Householder, No Mate	M Householder, No Mate	Single, None of Above	Other	Count
		Count	Count	Count	Count	Count	Count	Count	Count	Count	
Abuse	Not Listed		91	61			82	24	45	427	730
Neglect	Abusive Only	10	207	80	1	1	119	54	16	62	550
	At Risk	2	332	176	1	2	388	64	50	96	1111
	Both Abusive & Neglecting	106	902	472	5	5	997	227	90	457	3261
	Neglecting Only	130	3722	2334	12	10	4526	772	630	2561	14697
	Normal	11	822	363	2	1	729	95	153	306	2482
Total		259	6076	3486	21	19	6841	1236	984	3909	22831

**Abuse Neglect by Marital Status  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Marital Status									Total
		None Listed	Married	Unmarried MF	Un Married MM	Un Married FF	F Householder, No Mate	M Householder, No Mate	Single, None of Above	Other	Table %
		Table %	Table %	Table %	Table %	Table %	Table %	Table %	Table %	Table %	
Abuse Neglect	Not Listed		.4%	.3%			.4%	.1%	.2%	1.9%	3.2%
	Abusive Only	.0%	.9%	.4%	.0%	.0%	.5%	.2%	.1%	.3%	2.4%
	At Risk	.0%	1.5%	.8%	.0%	.0%	1.7%	.3%	.2%	.4%	4.9%
	Both Abusive & Neglecting	.5%	4.0%	2.1%	.0%	.0%	4.4%	1.0%	.4%	2.0%	14.3%
	Neglecting Only	.6%	16.3%	10.2%	.1%	.0%	19.8%	3.4%	2.8%	11.2%	64.4%
	Normal	.0%	3.6%	1.6%	.0%	.0%	3.2%	.4%	.7%	1.3%	10.9%
Total		1.1%	26.6%	15.3%	.1%	.1%	30.0%	5.4%	4.3%	17.1%	100.0%

**Abuse Neglect by Marital Status by Year  
Six Year Report Florida  
1999 to 2005 (Table %)**

		Marital Status									Total
		None Listed	Married	Unmarried MF	Un Married MM	Un Married FF	F Householder, No Mate	M Householder, No Mate	Single, None of Above	Other	Table %
		Table %	Table %	Table %	Table %	Table %	Table %	Table %	Table %	Table %	
Abuse Neglect	Not Listed		.4%	.3%			.4%	.1%	.2%	1.9%	3.2%
	Abusive Only	.0%	.9%	.4%	.0%	.0%	.5%	.2%	.1%	.3%	2.4%
	At Risk	.0%	1.5%	.8%	.0%	.0%	1.7%	.3%	.2%	.4%	4.9%
	Both Abusive & Neglecting	.5%	4.0%	2.1%	.0%	.0%	4.4%	1.0%	.4%	2.0%	14.3%
	Neglecting Only	.6%	16.3%	10.2%	.1%	.0%	19.8%	3.4%	2.8%	11.2%	64.4%
	Normal	.0%	3.6%	1.6%	.0%	.0%	3.2%	.4%	.7%	1.3%	10.9%
Total		1.1%	26.6%	15.3%	.1%	.1%	30.0%	5.4%	4.3%	17.1%	100.0%

## Six Year Cumulative Sten Scores AAPI2 Florida 1999 to 2005

**Construct A Sten Scores,  
"INAPPROPRIATE EXPECTATIONS"  
Florida Contract # LJ327**

**All Participating AAPI2 Providers  
Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructAPre		ConstructAPost	
	Count	%	Count	%
1	384	3%	183	1%
2	818	7%	430	3%
3	1148	9%	631	5%
4	2481	20%	1728	14%
5	3084	25%	2097	17%
6	2617	21%	3069	24%
7	1083	9%	2432	19%
8	671	5%	749	6%
9	169	1%	590	5%
10	110	1%	650	5%
Total	12565	100%	12559	100%

**Construct B Sten Scores,  
"LOW LEVEL OF EMPATHY"  
Florida Contract # LJ327**

**All Participating AAPI2 Providers  
Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructBPre		ConstructBPost	
	Count	%	Count	%
1	986	8%	521	4%
2	893	7%	534	4%
3	1602	13%	768	6%
4	1989	16%	1868	15%
5	2111	17%	2364	19%
6	2344	19%	1960	16%
7	1658	13%	1377	11%
8	399	3%	970	8%
9	348	3%	783	6%
10	235	2%	1414	11%
Total	12565	100%	12559	100%

**Construct B Sten Scores,  
 "LOW LEVEL OF EMPATHY"  
 Florida Contract # LJ327  
 All Participating AAPI2 Providers  
 Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructBPre		ConstructBPost	
	Count	%	Count	%
1	986	8%	521	4%
2	893	7%	534	4%
3	1602	13%	768	6%
4	1989	16%	1868	15%
5	2111	17%	2364	19%
6	2344	19%	1960	16%
7	1658	13%	1377	11%
8	399	3%	970	8%
9	348	3%	783	6%
10	235	2%	1414	11%
Total	12565	100%	12559	100%

**Construct C Sten Scores,  
 "STRONG BELIEF IN VALUE  
 OF CORPORAL PUNISHMENT"  
 Florida Contract # LJ327  
 All Participating AAPI2 Providers  
 Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructCPre		ConstructCPost	
	Count	%	Count	%
1	483	4%	134	1%
2	473	4%	216	2%
3	1438	11%	765	6%
4	2229	18%	1382	11%
5	2493	20%	2064	16%
6	2737	22%	3276	26%
7	1622	13%	2174	17%
8	643	5%	1003	8%
9	188	1%	598	5%
10	259	2%	946	8%
Total	12565	100%	12558	100%

**Construct D Sten Scores,  
 "REVERSES FAMILY ROLES"  
 Florida Contract # LJ327  
 All Participating AAPI2 Providers  
 Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructDPre		ConstructDPost	
	Count	%	Count	%
1	996	8%	432	3%
2	826	7%	484	4%
3	1673	13%	797	6%
4	1892	15%	1102	9%
5	2969	24%	1675	13%
6	1939	15%	2629	21%
7	1323	11%	2230	18%
8	469	4%	1127	9%
9	232	2%	799	6%
10	246	2%	1284	10%
Total	12565	100%	12559	100%

**Construct E Sten Scores,  
 "RESTRICTS POWER-INDEPENDENCE"  
 Florida Contract # LJ327  
 All Participating AAPI2 Providers  
 Six Year Cumulative 1999 to 2005, Cumulative Report**

	ConstructEPre		ConstructEPost	
	Count	%	Count	%
1	634	5%	410	3%
2	686	5%	691	6%
3	1846	15%	872	7%
4	1744	14%	1619	13%
5	2304	18%	1572	13%
6	1823	15%	3169	25%
7	1543	12%	1655	13%
8	851	7%	995	8%
9	642	5%	771	6%
10	492	4%	805	6%
Total	12565	100%	12559	100%

## Six Year o4u3 Analysis AAPI2 Florida 1999 to 2005

**Construct A Pre Scores**  
**3 & Under by Post A Scores 4 & Over**  
**"Inappropriate Expectations"**  
**Florida Contract # LJ327**  
**All Participating AAPI2 Providers**  
**Six Year Analysis 1999 to 2005**

	ConstructAPre		ConstructAPost	
	Count	%	Count	%
1	384	16%	123	5%
2	818	35%	230	10%
3	1148	49%	279	12%
4	0	0%	529	22%
5	0	0%	423	18%
6	0	0%	395	17%
7	0	0%	214	9%
8	0	0%	54	2%
9	0	0%	41	2%
10	0	0%	64	3%
Total	2350	100%	2352	100%

73.1% Increase in Sten Scores

**Construct B Pre Scores**  
**3 & Under by Post B Scores 4 & Over**  
**"Low Level of Empathy"**  
**Florida Contract # LJ327**  
**All Participating AAPI2 Providers**  
**Six Year Analysis 1999 to 2005**

	ConstructBPre		ConstructBPost	
	Count	%	Count	%
1	986	28%	427	12%
2	893	26%	384	11%
3	1602	46%	420	12%
4	0	0%	737	21%
5	0	0%	652	19%
6	0	0%	356	10%
7	0	0%	194	6%
8	0	0%	107	3%
9	0	0%	79	2%
10	0	0%	125	4%
Total	3481	100%	3481	100%

64.6% Increase in Sten Scores

**Construct C Pre Scores**  
**3 & Under by Post C Scores 4 & Over**  
**"Strong Belief in Value of Corporal Punishment"**  
**Florida Contract # LJ327**  
**All Participating AAPI2 Providers**  
**Six Year Analysis 1999 to 2005**

	ConstructCPre		ConstructCPost	
	Count	%	Count	%
1	483	20%	96	4%
2	473	20%	141	6%
3	1438	60%	399	17%
4	0	0%	466	19%
5	0	0%	451	19%
6	0	0%	479	20%
7	0	0%	216	9%
8	0	0%	54	2%
9	0	0%	29	1%
10	0	0%	64	3%
Total	2394	100%	2395	100%

73.4% Increase in Sten Scores

**Construct D Pre Scores**  
**3 & Under by Post D Scores 4 & Over**  
**"Reverses Family Roles"**  
**Florida AAPI2 All Participating Provider**  
**Six Year Analysis 1999 to 2005**

	ConstructDPre		ConstructDPost	
	Count	%	Count	%
1	996	28%	372	11%
2	826	24%	384	11%
3	1673	48%	488	14%
4	0	0%	495	14%
5	0	0%	506	14%
6	0	0%	571	16%
7	0	0%	347	10%
8	0	0%	129	4%
9	0	0%	71	2%
10	0	0%	132	4%
Total	3495	100%	3495	100%

64.4% Increase in Sten Scores

**Construct E Pre Scores  
3 & Under by Post E Scores 4 & Over  
"Restricts Power Independence"  
Florida Contract # LJ327  
All Participating AAPI2 Providers  
Six Year Analysis 1999 to 2005**

	ConstructEPre		ConstructEPost	
	Count	%	Count	%
1	634	20%	216	7%
2	686	22%	349	11%
3	1846	58%	383	12%
4	0	0%	492	16%
5	0	0%	437	14%
6	0	0%	741	23%
7	0	0%	251	8%
8	0	0%	130	4%
9	0	0%	80	3%
10	0	0%	88	3%
Total	3166	100%	3167	100%

70.1% Increase in Sten Scores

## Six Year Cumulative T Test Analysis AAPI2 Florida 1999 to 2005

### Group Statistics

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	12565	4.94	1.761	.016
	2.00	12559	5.86	1.935	.017
BSc	1.00	12565	4.81	2.107	.019
	2.00	12559	5.85	2.411	.022
CSc	1.00	12565	5.12	1.877	.017
	2.00	12558	6.09	1.953	.017
DSc	1.00	12565	4.72	2.040	.018
	2.00	12559	6.13	2.293	.020
ESc	1.00	12565	5.20	2.243	.020
	2.00	12559	5.76	2.220	.020

### T-Test

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-39.299	25122	.000	-.917	.023
	Equal variances not assumed	-39.298	24900.433	.000	-.917	.023
BSc	Equal variances assumed	-36.592	25122	.000	-1.045	.029
	Equal variances not assumed	-36.590	24676.084	.000	-1.045	.029
CSc	Equal variances assumed	-40.059	25121	.000	-.968	.024
	Equal variances not assumed	-40.058	25080.895	.000	-.968	.024
DSc	Equal variances assumed	-51.637	25122	.000	-1.414	.027
	Equal variances not assumed	-51.635	24781.229	.000	-1.414	.027
ESc	Equal variances assumed	-19.903	25122	.000	-.560	.028
	Equal variances not assumed	-19.903	25119.722	.000	-.560	.028

## Six Year T Test Analysis by Year AAPI2 Florida 1999 to 2005

Note: Years do not have matching numbers of cases because cases straddled the years.

**PrimaryLast7**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Duplicate Case	12940	51.5	51.5	51.5
	Primary Case	12184	48.5	48.5	100.0
	Total	25124	100.0	100.0	

**MatchSequence7**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	12184	48.5	48.5	48.5
	2	12184	48.5	48.5	97.0
	3	359	1.4	1.4	98.4
	4	355	1.4	1.4	99.8
	5	21	.1	.1	99.9
	6	21	.1	.1	100.0
	Total	25124	100.0	100.0	

**Pre Post AAPI2 Testing by Year 1999 to 2005 \***

		Testing2		Total
		1.00	2.00	
Program	Year 1 99/00	1445	790	2235
Year	Year 2 00/01	2908	2647	5555
	Year 3 01/02	2623	2845	5468
	Year 4 02/03	2777	2719	5496
	Year 5 03/04	1530	2088	3618
	Year 6 04/05	1282	1470	2752
Total		12565	12559	25124

\* Cases Not Equal by Year Because Cases Straddled the Years

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	1445	4.86	1.848	.049
	2.00	790	5.34	1.808	.064
BSc	1.00	1445	4.65	2.125	.056
	2.00	790	5.45	2.365	.084
CSc	1.00	1445	4.96	1.861	.049
	2.00	790	5.49	1.914	.068
DSc	1.00	1445	4.40	2.010	.053
	2.00	790	5.63	2.150	.076
ESc	1.00	1445	5.03	2.281	.060
	2.00	790	5.39	2.083	.074

a. YearNum = Year 1 99/00

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-5.901	2233	.000	-.479	.081
	Equal variances not assumed	-5.939	1653.101	.000	-.479	.081
BSc	Equal variances assumed	-8.137	2233	.000	-.797	.098
	Equal variances not assumed	-7.886	1481.285	.000	-.797	.101
CSc	Equal variances assumed	-6.476	2233	.000	-.539	.083
	Equal variances not assumed	-6.422	1583.766	.000	-.539	.084
DSc	Equal variances assumed	-13.483	2233	.000	-1.229	.091
	Equal variances not assumed	-13.220	1532.042	.000	-1.229	.093
ESc	Equal variances assumed	-3.759	2233	.000	-.368	.098
	Equal variances not assumed	-3.860	1751.608	.000	-.368	.095

a. YearNum = Year 1 99/00

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	2908	4.92	1.757	.033
	2.00	2647	5.63	1.827	.036
BSc	1.00	2908	4.71	2.140	.040
	2.00	2647	5.57	2.348	.046
CSc	1.00	2908	5.02	1.874	.035
	2.00	2647	5.88	1.870	.036
DSc	1.00	2908	4.57	2.051	.038
	2.00	2647	5.74	2.223	.043
ESc	1.00	2908	5.16	2.185	.041
	2.00	2647	5.66	2.136	.042

a. YearNum = Year 2 00/01

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-14.736	5553	.000	-.709	.048
	Equal variances not assumed	-14.710	5456.719	.000	-.709	.048
BSc	Equal variances assumed	-14.327	5553	.000	-.863	.060
	Equal variances not assumed	-14.265	5367.512	.000	-.863	.060
CSc	Equal variances assumed	-17.050	5553	.000	-.857	.050
	Equal variances not assumed	-17.051	5506.115	.000	-.857	.050
DSc	Equal variances assumed	-20.312	5553	.000	-1.165	.057
	Equal variances not assumed	-20.235	5389.531	.000	-1.165	.058
ESc	Equal variances assumed	-8.714	5553	.000	-.506	.058
	Equal variances not assumed	-8.723	5524.599	.000	-.506	.058

a. YearNum = Year 2 00/01

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	2623	4.98	1.721	.034
	2.00	2845	5.80	1.878	.035
BSc	1.00	2623	4.86	2.054	.040
	2.00	2845	5.88	2.425	.045
CSc	1.00	2623	5.19	1.875	.037
	2.00	2845	6.09	1.957	.037
DSc	1.00	2623	4.77	2.005	.039
	2.00	2845	6.08	2.287	.043
ESc	1.00	2623	5.25	2.234	.044
	2.00	2845	5.85	2.188	.041

a. YearNum = Year 3 01/02

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-16.841	5466	.000	-.823	.049
	Equal variances not assumed	-16.900	5465.788	.000	-.823	.049
BSc	Equal variances assumed	-16.735	5466	.000	-1.021	.061
	Equal variances not assumed	-16.847	5427.599	.000	-1.021	.061
CSc	Equal variances assumed	-17.225	5466	.000	-.894	.052
	Equal variances not assumed	-17.255	5457.937	.000	-.894	.052
DSc	Equal variances assumed	-22.500	5466	.000	-1.313	.058
	Equal variances not assumed	-22.620	5452.404	.000	-1.313	.058
ESc	Equal variances assumed	-9.936	5466	.000	-.594	.060
	Equal variances not assumed	-9.927	5409.303	.000	-.594	.060

a. YearNum = Year 3 01/02

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	2777	4.95	1.747	.033
	2.00	2719	6.02	1.984	.038
BSc	1.00	2777	4.92	2.124	.040
	2.00	2719	6.06	2.439	.047
CSc	1.00	2777	5.17	1.914	.036
	2.00	2719	6.20	1.980	.038
DSc	1.00	2777	4.88	2.059	.039
	2.00	2719	6.29	2.318	.044
ESc	1.00	2777	5.29	2.266	.043
	2.00	2719	5.84	2.250	.043

a. YearNum = Year 4 02/03

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-21.353	5494	.000	-1.076	.050
	Equal variances not assumed	-21.324	5376.781	.000	-1.076	.050
BSc	Equal variances assumed	-18.456	5494	.000	-1.138	.062
	Equal variances not assumed	-18.430	5359.990	.000	-1.138	.062
CSc	Equal variances assumed	-19.683	5494	.000	-1.034	.053
	Equal variances not assumed	-19.675	5477.274	.000	-1.034	.053
DSc	Equal variances assumed	-23.888	5494	.000	-1.412	.059
	Equal variances not assumed	-23.858	5390.109	.000	-1.412	.059
ESc	Equal variances assumed	-9.144	5494	.000	-.557	.061
	Equal variances not assumed	-9.144	5492.870	.000	-.557	.061

a. YearNum = Year 4 02/03

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	1530	4.92	1.792	.046
	2.00	2088	6.01	1.996	.044
BSc	1.00	1530	4.79	2.061	.053
	2.00	2088	5.97	2.441	.053
CSc	1.00	1530	5.14	1.886	.048
	2.00	2088	6.26	1.948	.043
DSc	1.00	1530	4.74	2.045	.052
	2.00	2088	6.43	2.295	.050
ESc	1.00	1530	5.18	2.240	.057
	2.00	2088	5.77	2.338	.051

a. YearNum = Year 5 03/04

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-16.967	3616	.000	-1.092	.064
	Equal variances not assumed	-17.251	3471.322	.000	-1.092	.063
BSc	Equal variances assumed	-15.265	3616	.000	-1.176	.077
	Equal variances not assumed	-15.665	3544.392	.000	-1.176	.075
CSc	Equal variances assumed	-17.347	3616	.000	-1.122	.065
	Equal variances not assumed	-17.434	3352.955	.000	-1.122	.064
DSc	Equal variances assumed	-23.000	3616	.000	-1.697	.074
	Equal variances not assumed	-23.411	3481.075	.000	-1.697	.072
ESc	Equal variances assumed	-7.695	3616	.000	-.595	.077
	Equal variances not assumed	-7.746	3370.765	.000	-.595	.077

a. YearNum = Year 5 03/04

**Group Statistics<sup>a</sup>**

	Testing	N	Mean	Std. Deviation	Std. Error Mean
ASc	1.00	1282	5.01	1.745	.049
	2.00	1470	6.13	2.015	.053
BSc	1.00	1282	4.90	2.115	.059
	2.00	1470	6.00	2.354	.061
CSc	1.00	1282	5.24	1.800	.050
	2.00	1469	6.32	1.971	.051
DSc	1.00	1282	4.93	2.008	.056
	2.00	1470	6.49	2.307	.060
ESc	1.00	1282	5.19	2.289	.064
	2.00	1470	5.76	2.253	.059

a. YearNum = Year 6 04/05

**T-Test<sup>a</sup>**

		t-test for Equality of Means				
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference
ASc	Equal variances assumed	-15.527	2750	.000	-1.124	.072
	Equal variances not assumed	-15.679	2749.868	.000	-1.124	.072
BSc	Equal variances assumed	-12.836	2750	.000	-1.102	.086
	Equal variances not assumed	-12.929	2747.554	.000	-1.102	.085
CSc	Equal variances assumed	-14.903	2749	.000	-1.079	.072
	Equal variances not assumed	-14.995	2743.372	.000	-1.079	.072
DSc	Equal variances assumed	-18.771	2750	.000	-1.559	.083
	Equal variances not assumed	-18.949	2749.992	.000	-1.559	.082
ESc	Equal variances assumed	-6.607	2750	.000	-.573	.087
	Equal variances not assumed	-6.599	2687.234	.000	-.573	.087

a. YearNum = Year 6 04/05