

Children's Use of Health Service in Relation to Caregivers' Trust

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Background

- Importance of regular and consistent treatment relationship in relation to health care outcomes for both patients and providers:
 - Increase patients' and providers' satisfaction
 - Decrease hospitalizations
 - Lower health care cost
- Trust is cornerstone for developing such relationship.
- Individuals with Higher level of trust are more likely to the maintain treatment relationships with their providers.
- Limited studies were done on children' health service utilization in relation to the trust relationship with health care providers.

Purpose

To examine the relationships between services used by Medicaid children enrolled in health plans with different financing arrangement and their caregivers' trust in the children's health care providers.

Methods

The study used self-report data through a population based mail survey conducted by FMHI researchers to evaluate Florida Medicaid prepaid mental health plan demonstration program.

The self-report data was linked with previous one year services claims data provided by the Florida Agency for Health Care Administration (AHCA) and service events data from Integrated Data System (IDS) of Department of Children and Families (DCF).

Definitions

High cost services

Nursing home/hospice care,
Emergency services, and
Inpatient hospitalization/residential programs.

Low cost services

Outpatient services
Day treatment programs.

Stop using services

No defined health service claims for
a continuous 6 months period.

Sample

- Children of caregivers who completed trust mail survey in 2001 mail
- Maintained Medicaid eligibility throughout the year preceding the survey.
- Receiving Supplemental Security Income (SSI) due to a disability condition other than head injury or mental retardation.
- Lived in the same geographic area throughout the year preceding the survey,

Instruments

Trust in Health Care Provider Scale (TIHCP)

Child Health Questionnaire subscale

Pediatric Symptom Checklist

Analytical Approaches

- t-test with case mix adjusted
- Regression Model

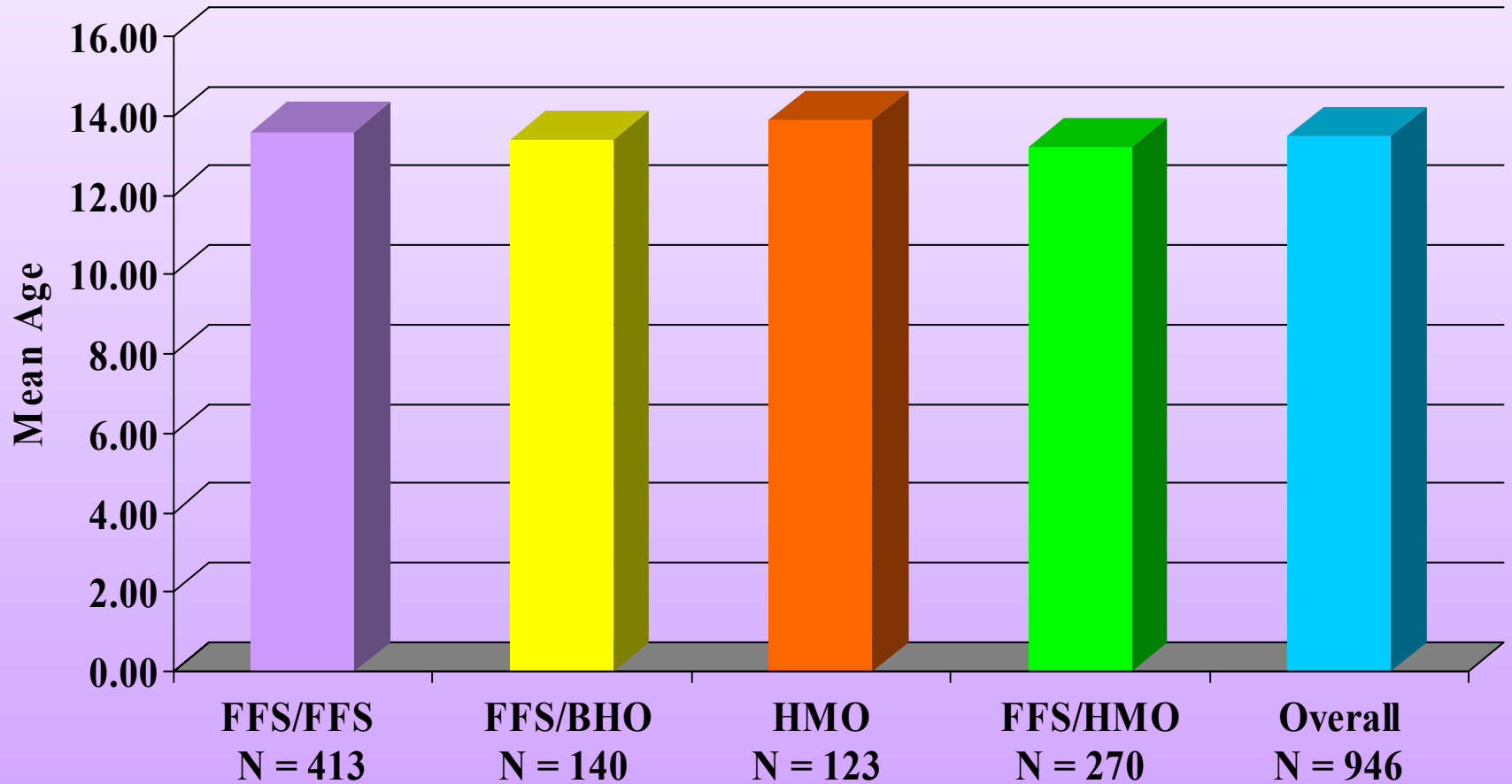
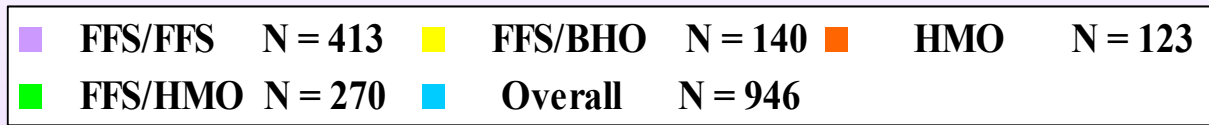
Basic model is: $T_i = f(S_i, X_i)$

Where S_i = Service used by I and X_i is a covariate vector.

Sample Characteristics

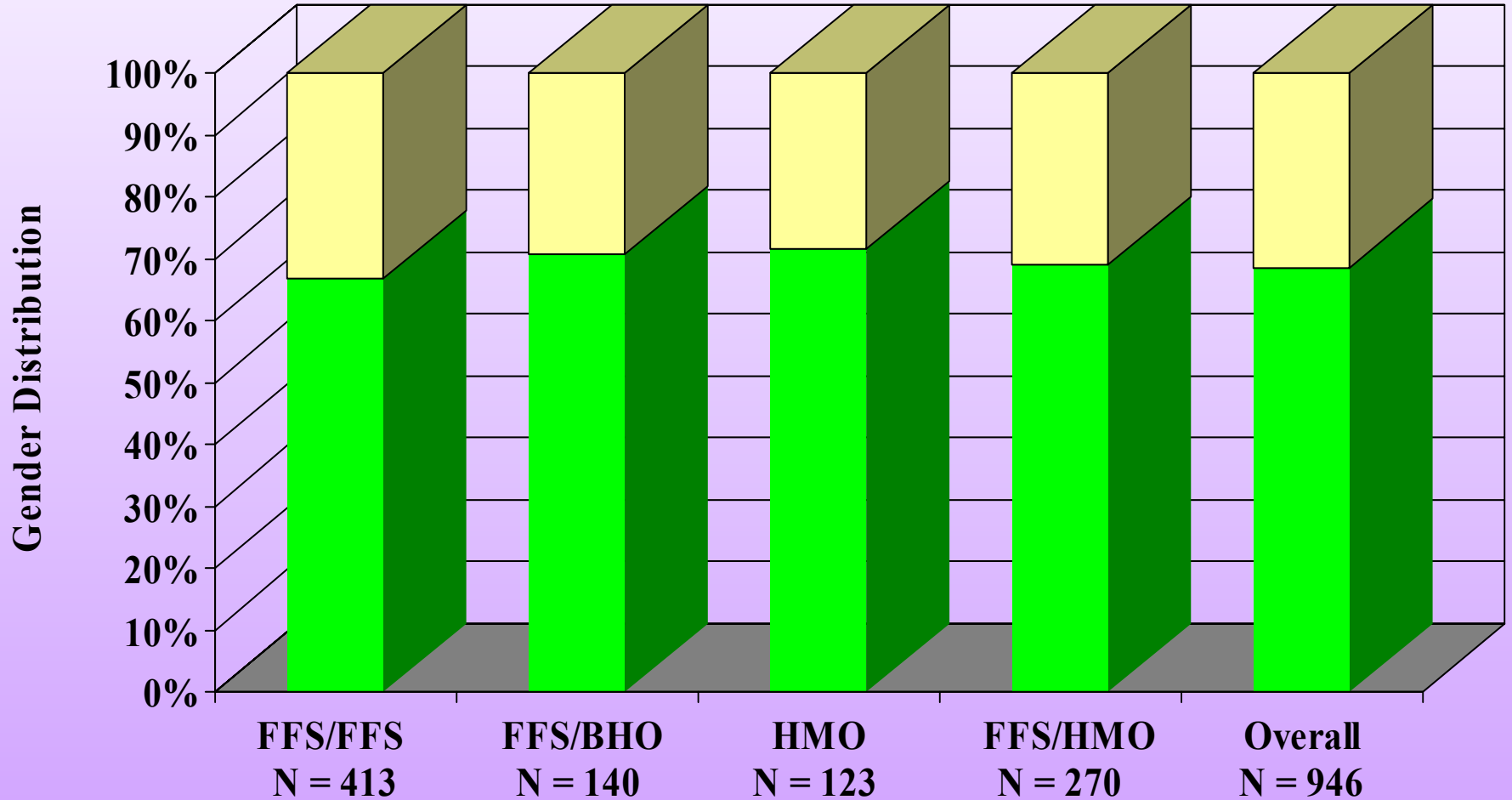
		FFS	PMHP	HMO	HMO/FFS	Total	<i>p</i>	
	N	413	140	123	270	946		
GENDER	Female						>.05	
	%	33.2	29.3	28.5	31.1	31.4		
	N	137	41	195	397	297		
AGE	Mean	13.6	13.4	13.9	13.2	13.5	> .05	
	SD	3.96	3.83	3.56	3.64	3.80		
	Minimum	5.76	5.81	6.1	6.19	5.76		
	Maximum	21.4	21.32	21.34	21.18	21.4		
RACE	Caucasian	%	38.5	25.0	23.6	21.5	29.7	< .05
		N	159	41	35	84		
	African American	%	25.7	33.6	43.9	45.2	34.8	
		N	101	42	54	122	329	
	Others	%	35.8	41.4	32.5	33.3	35.5	
		N	148	48	40	90	336	

Age Distribution

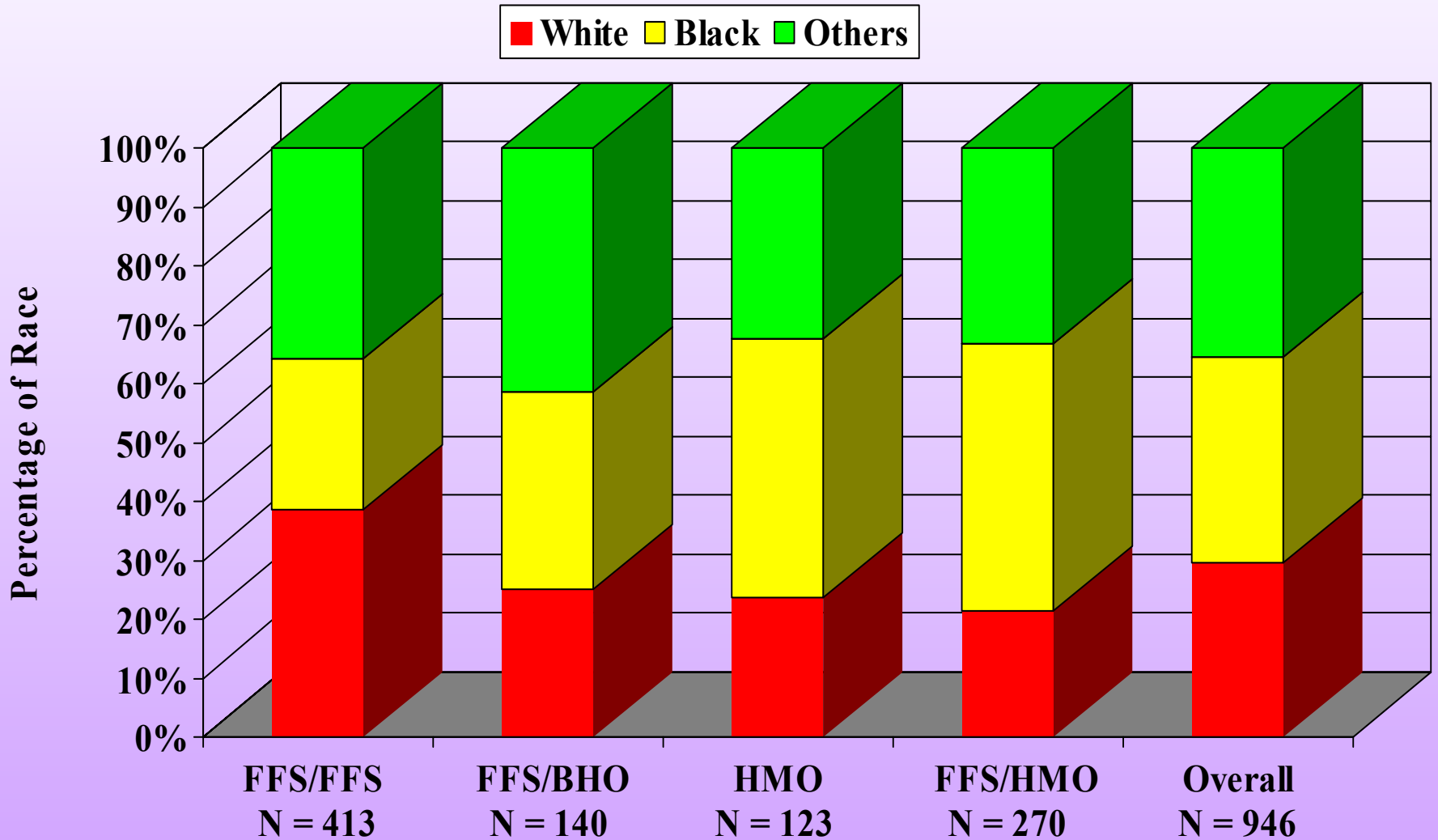


Gender Distribution

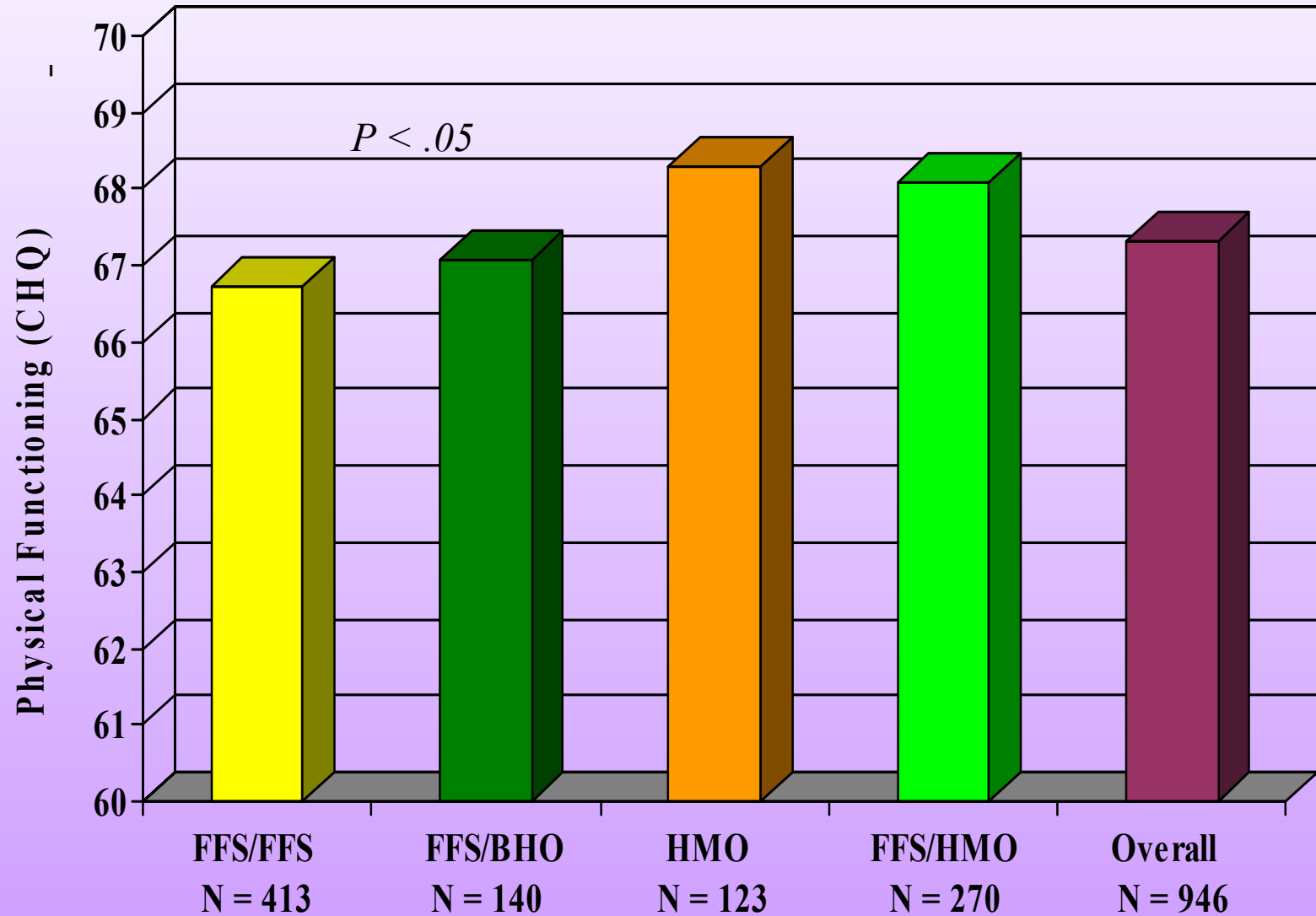
Boys Girls



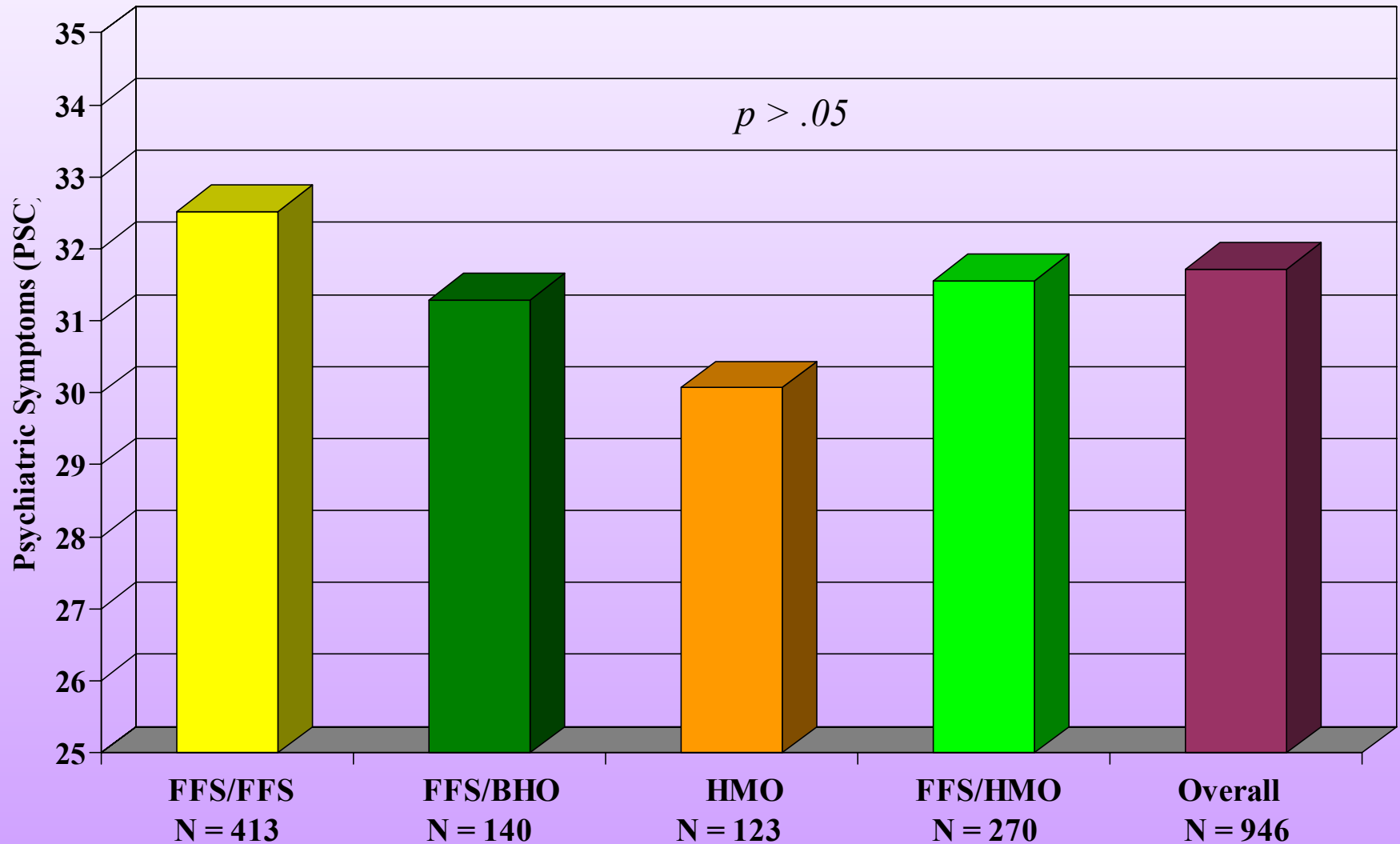
Racial Distribution



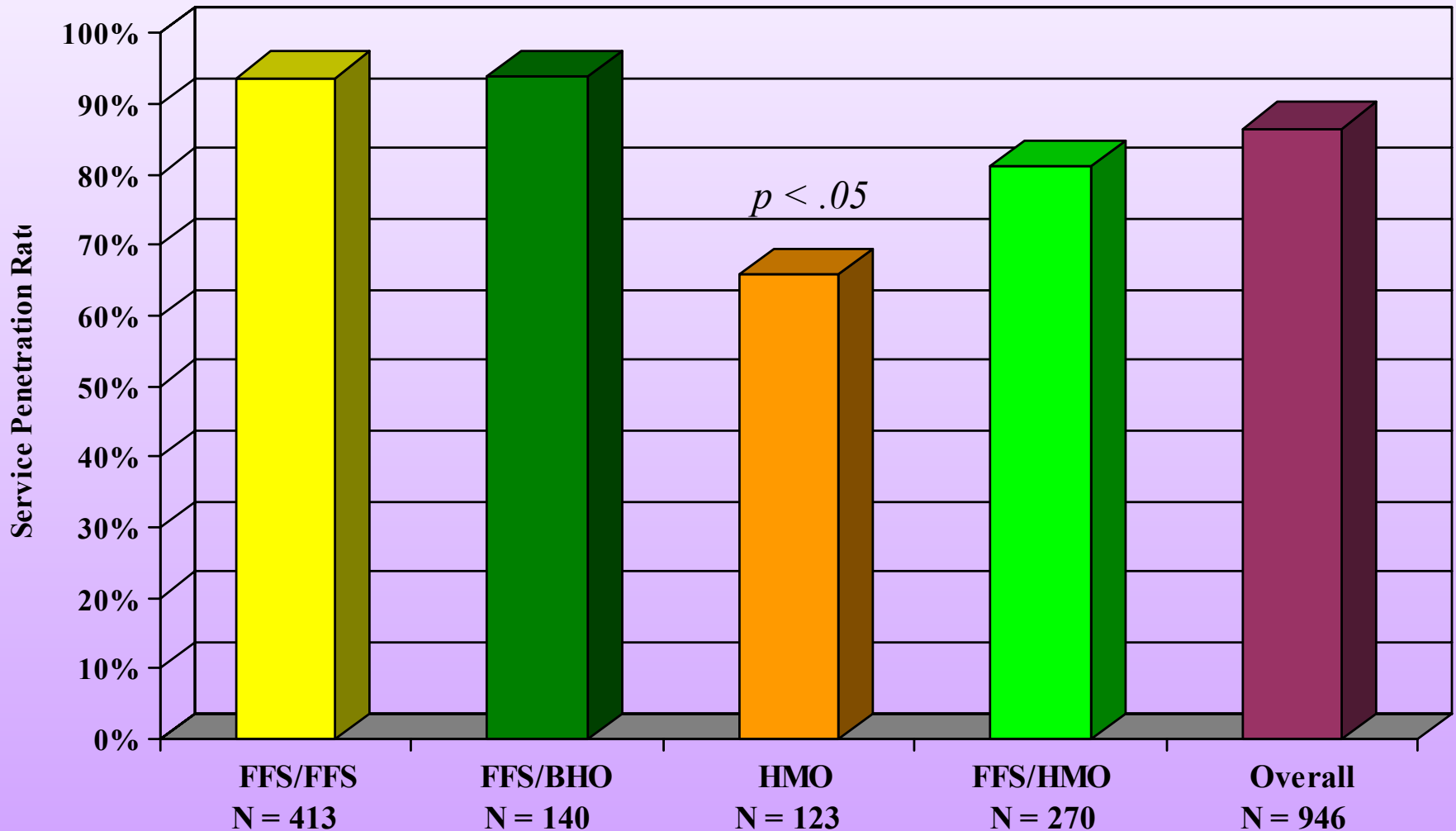
Physical Functioning– Case Mix Adjusted



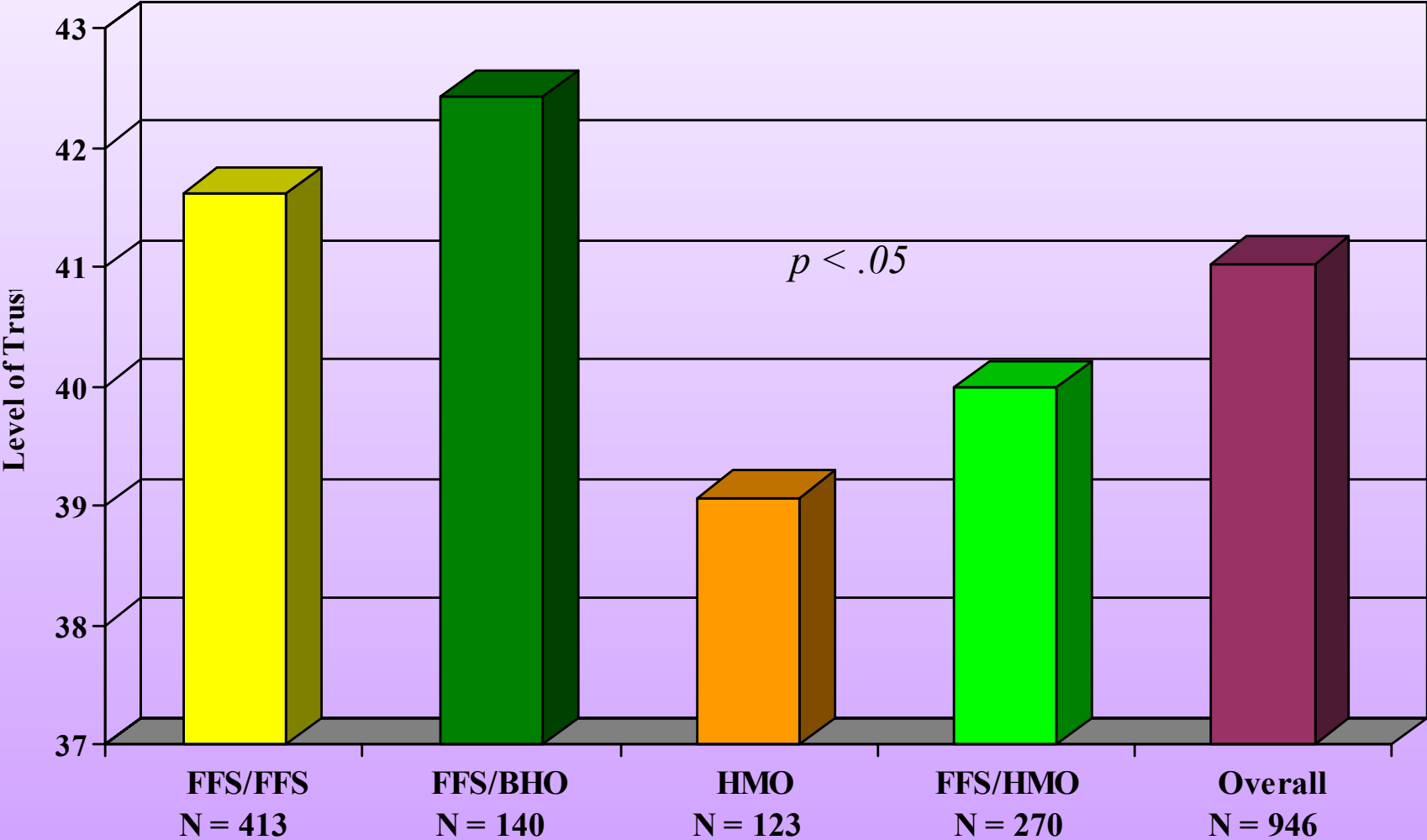
Psychiatric Symptoms– Case Mix Adjusted



Service Penetration Rates— Case Mix Adjusted



Caregivers' Level of Trust in Their Children's Health Care Providers— Case Mix Adjusted



Relationship Between Children's Service Use and Caregivers' Trust in Their Children's Health Care Providers

N = 768	Unstandardized Coefficients		Standardized Coefficients		95% Confidence Interval for B		
	B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound
(Constant)	42.72	3.93		10.86	0.00	35.00	50.44
<i>Use of services</i>	3.90	1.07	0.14	3.64	0.00	1.80	6.01
<i>Age</i>	-0.32	0.09	-0.13	-3.47	0.00	-0.51	-0.14
Female	0.68	0.72	0.03	0.94	0.35	-0.73	2.09
Caucasian	0.14	0.75	0.01	0.18	0.86	-1.34	1.62
Duration of enrollment	0.00	0.01	-0.01	-0.22	0.83	-0.02	0.02
Managed physical health plan	-1.28	0.69	-0.07	-1.86	0.06	-2.64	0.07
Managed mental health plan	0.77	0.74	0.04	1.04	0.30	-0.68	2.22

Dependent Variable: Level of Trust

Relationship Between Children’s Discontinuation of Service Use and Trust In Health Care Providers (FFS/FFS Enrollees Only)

N= 323	Unstandardized Coefficients		Standardized Coefficients		Sig.	95% Confidence Interval for B	
	B	Std. Error	Beta	t		Lower Bound	Upper Bound
(Constant)	50.91	5.89		8.65	0.00	39.33	62.49
Stop using of services	-0.74	1.22	-0.03	-0.61	0.54	-3.14	1.66
<i>Age</i>	-0.49	0.15	-0.20	-3.30	0.00	-0.77	-0.20
Female	-0.16	1.11	-0.01	-0.14	0.89	-2.34	2.03
Caucasian	0.88	1.16	0.05	0.76	0.45	-1.41	3.16
Duration of enrollment	-0.01	0.02	-0.03	-0.51	0.61	-0.04	0.02

Dependent Variable: Level of Trust

N = 323	Unstandardized Coefficients		Standardized Coefficients			95% Confidence Interval for B	
	B	Std. Error	Beta	t	Sig.	Lower Bound	Upper Bound
(Constant)	50.90	5.89		8.64	0.00	39.31	62.48
Use of high cost services	-0.28	1.07	-0.02	-0.26	0.79	-2.40	1.83
<i>Age</i>	-0.49	0.15	-0.20	-3.36	0.00	-0.78	-0.20
Female	-0.14	1.11	-0.01	-0.12	0.90	-2.33	2.05
Caucasian	0.98	1.15	0.05	0.85	0.40	-1.29	3.25
Duration of enrollment	-0.01	0.02	-0.03	-0.51	0.61	-0.04	0.02

Dependent Variable: Level of Trust