

IICAPS Presentation to the Behavioral Health Partnership Oversight Council

January 16, 2008

IICAPS Partnership

IICAPS Providers:
14 sites, statewide

Families
and
Children

State
agencies:

- DCF
- DSS
- CSSD

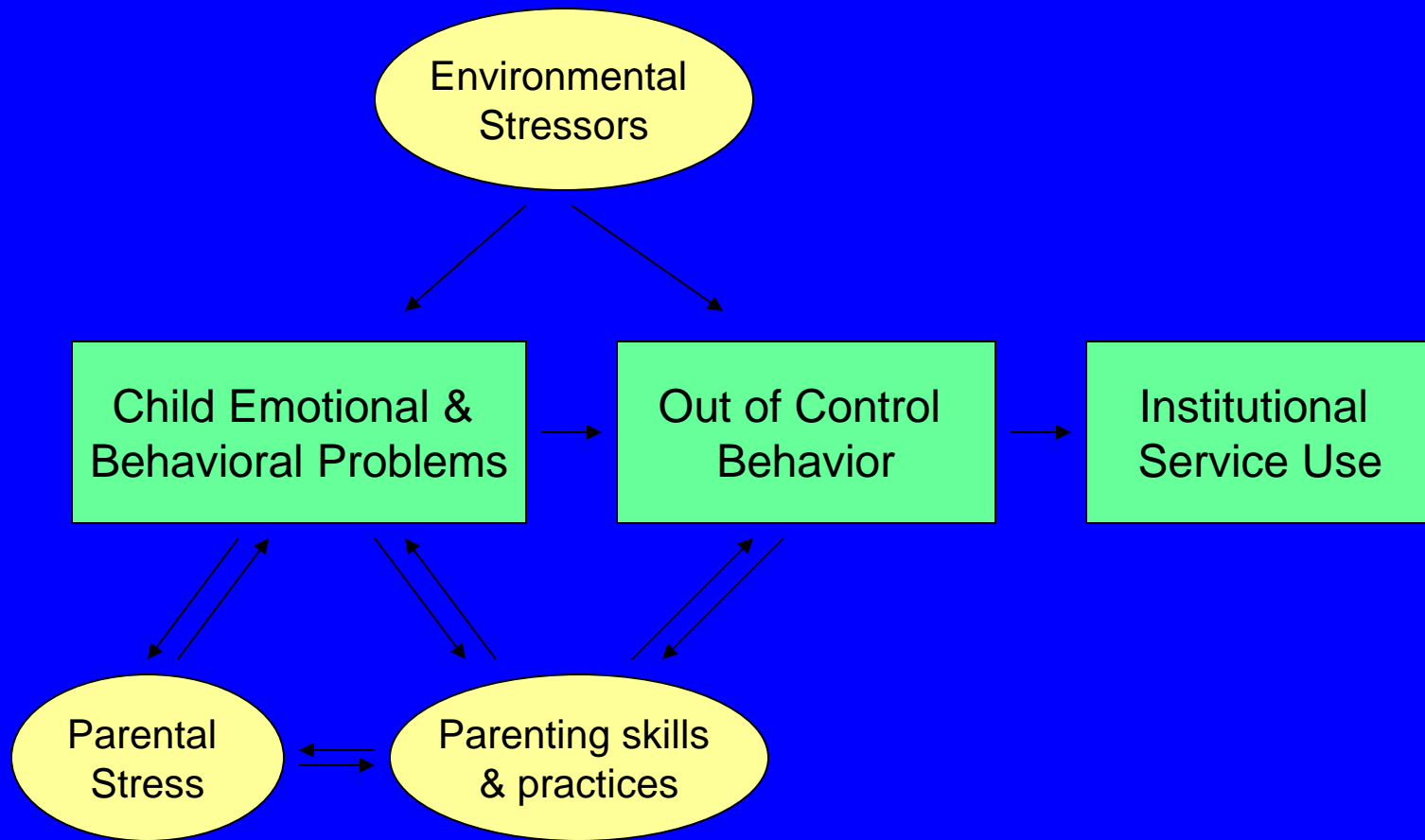
IICAPS Services:

- training
- credentialing
- quality assurance

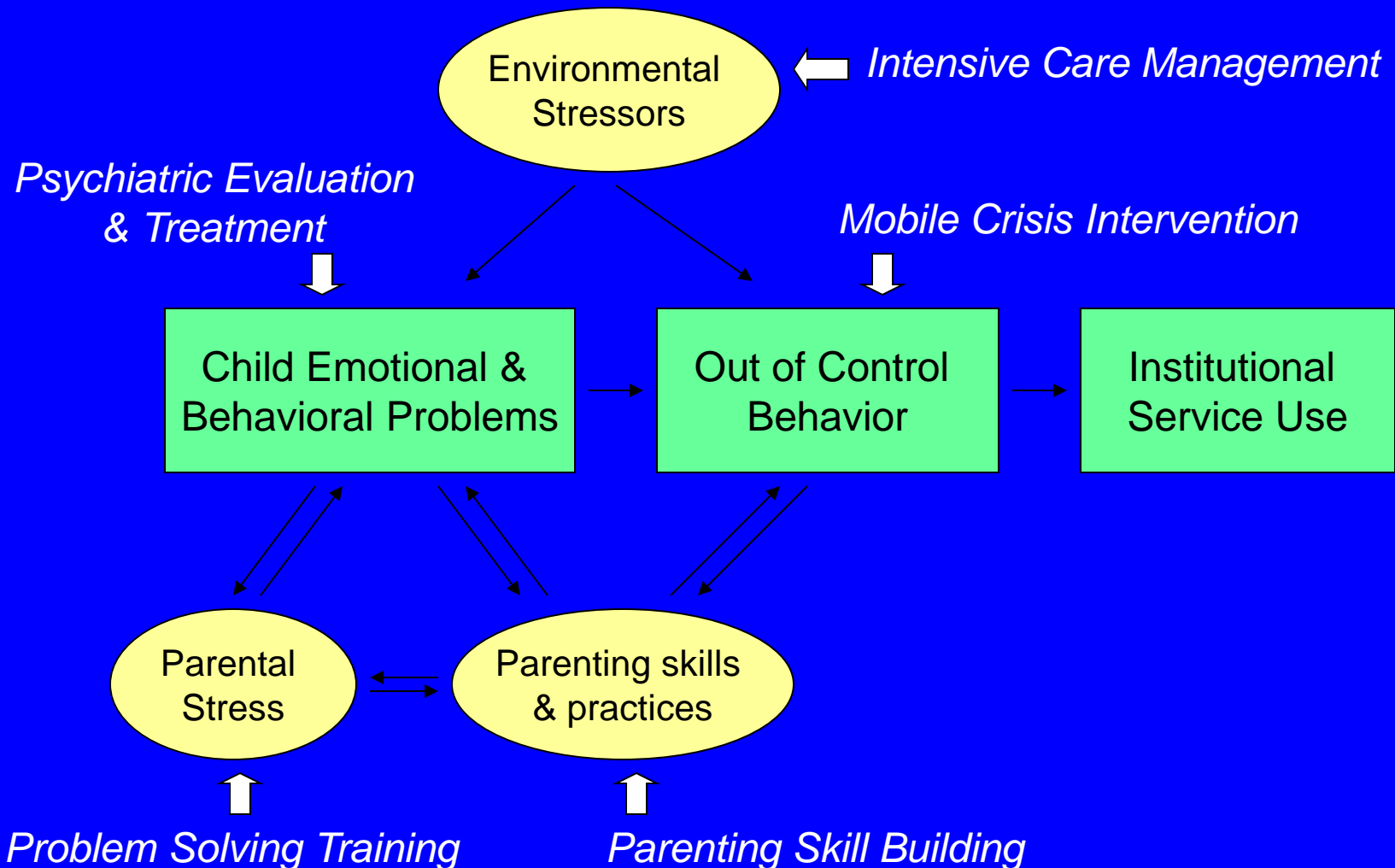
IICAPS

- ➔ Intensive, home-based service
- ➔ Treatment model for SED youth at risk for:
 - ➔ Requiring institutional based care
 - ➔ Being unable to be discharged from institutional based care
 - ➔ Having basic developmental accomplishments compromised because of lack of response to clinic-based services
- ➔ Delivered by two person clinical team
 - ➔ Team supervised by a senior mental health professional
 - ➔ Team rounds co-led by child and adolescent psychiatrist
- ➔ Voluntary
- ➔ Collaborative
- ➔ Structured by manual

Logic Model to Guide IICAPS Intervention



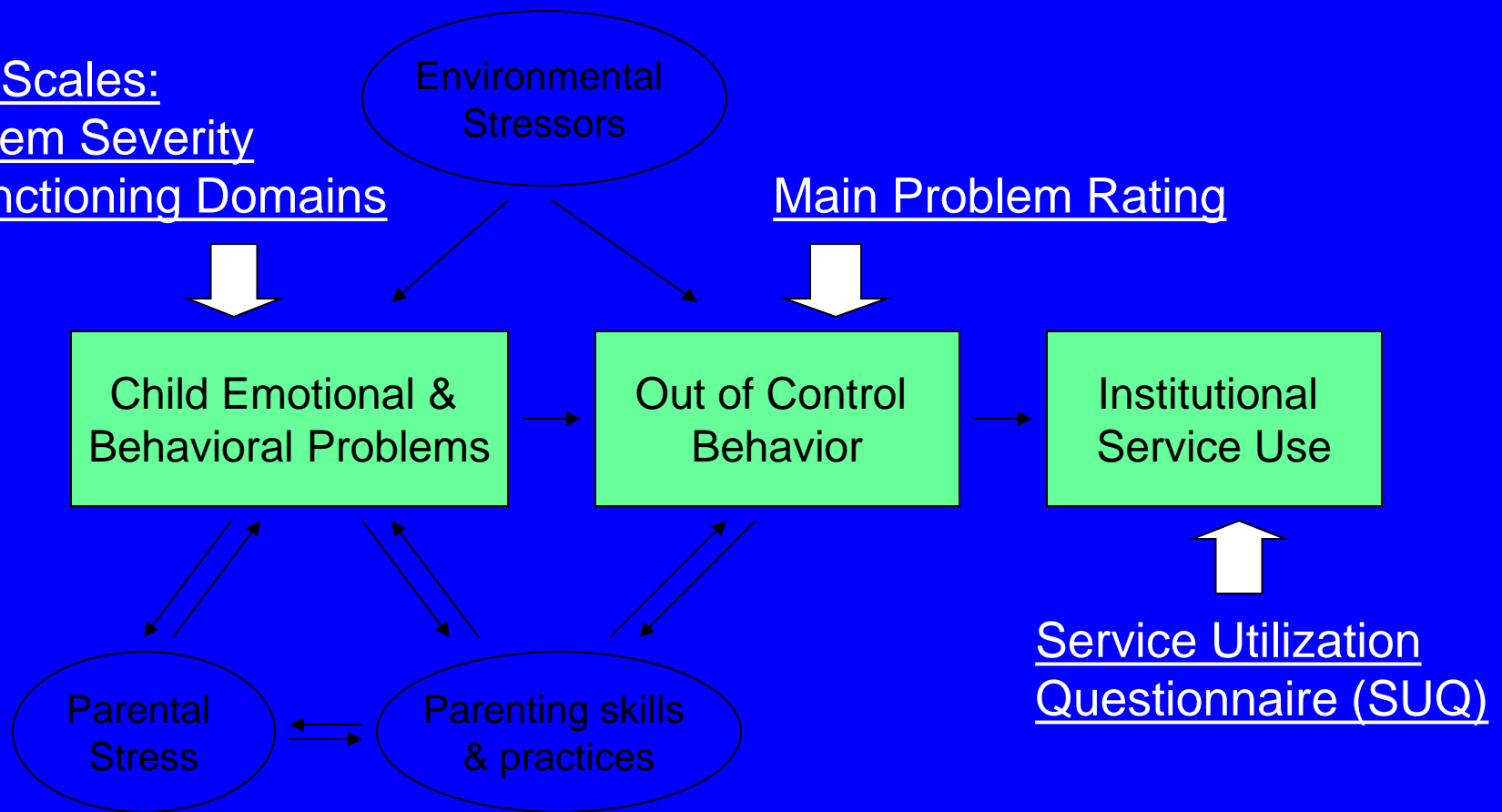
IICAPS Interventions



IICAPS Outcomes Measures

Ohio Scales:
Problem Severity
& Functioning Domains

Main Problem Rating



IICAPS Network: Outcomes

→ Cases Closed between July 1, 2006 & September 30, 2007

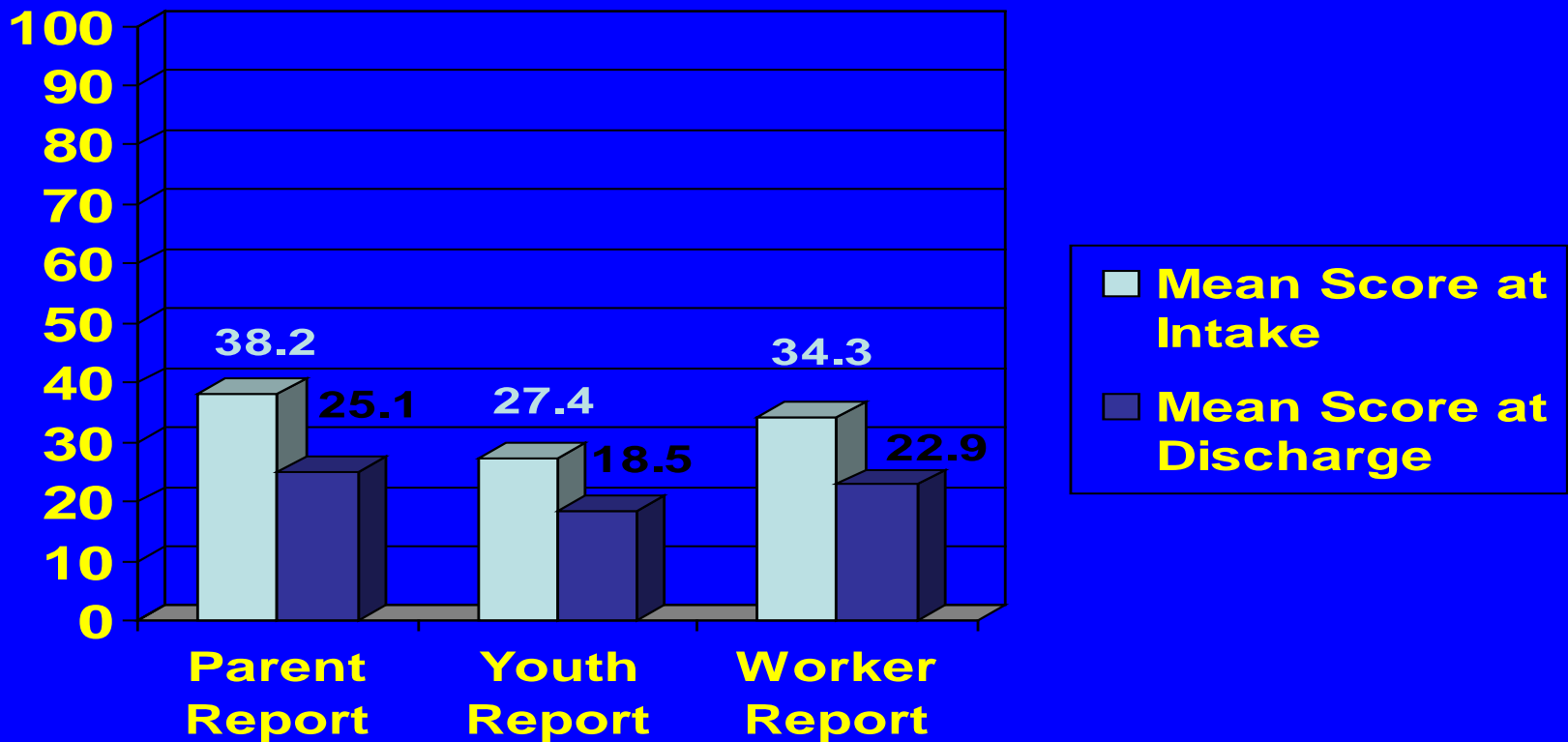
(FY 2006/2007 & 1st Quarter FY 2007/2008)

→ N=522

→ Planned (n=382, 73.2%) vs. Premature Discharges (n=140, 26.8%)

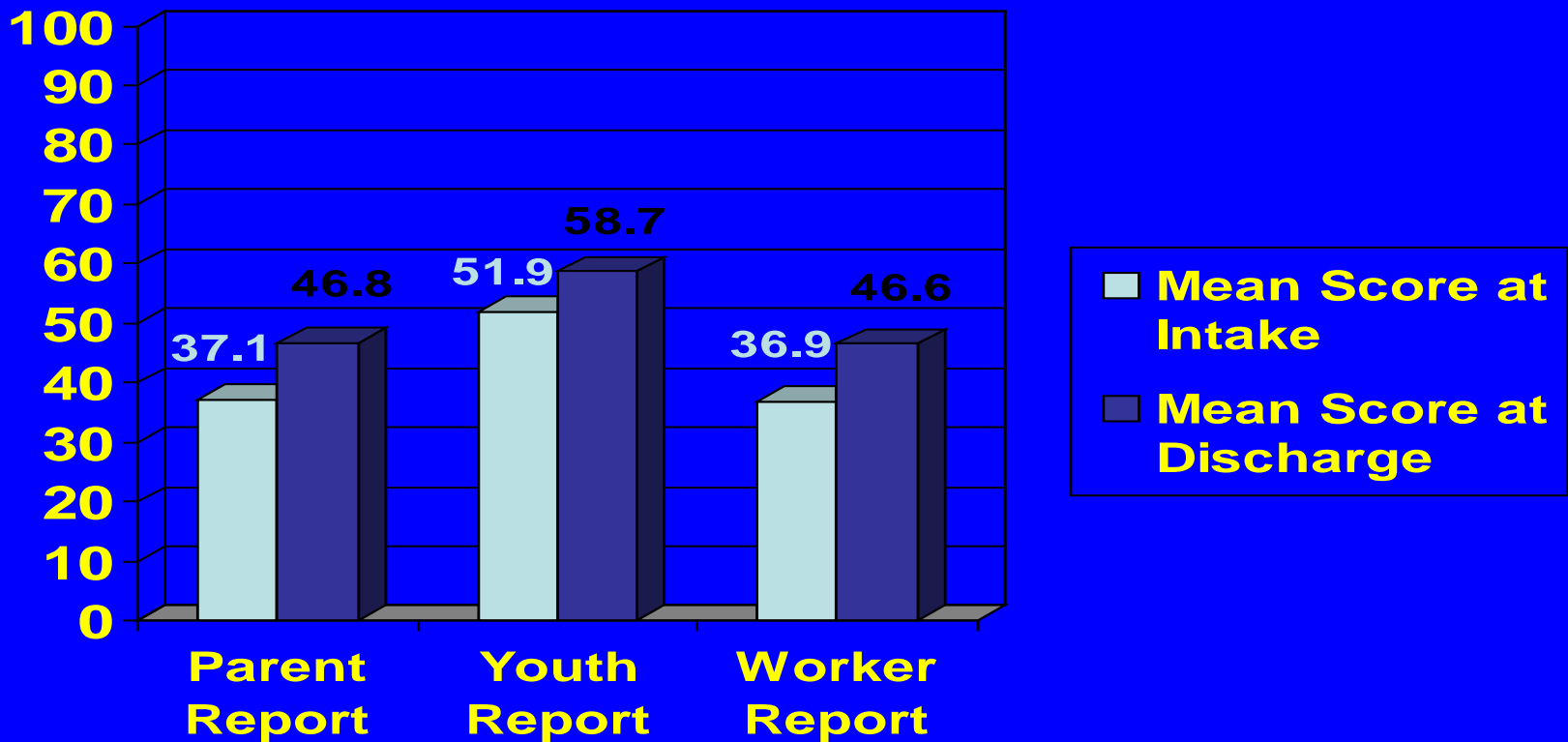
Problem Severity:

Paired T-test Results of Ohio Scores Measured at IICAPS Intake and Discharge (Planned Discharges)



Proportional Decrease, Parent Report: 13.1% ($p < .0001$)
Proportional Decrease, Youth Report: 8.9% ($p < .0001$)
Proportional Decrease, Worker Report: 11.5% ($p < .0001$)

Child Functioning: Paired T-test Results of Ohio Scores Measured at IICAPS Intake and Discharge (Planned Discharges)

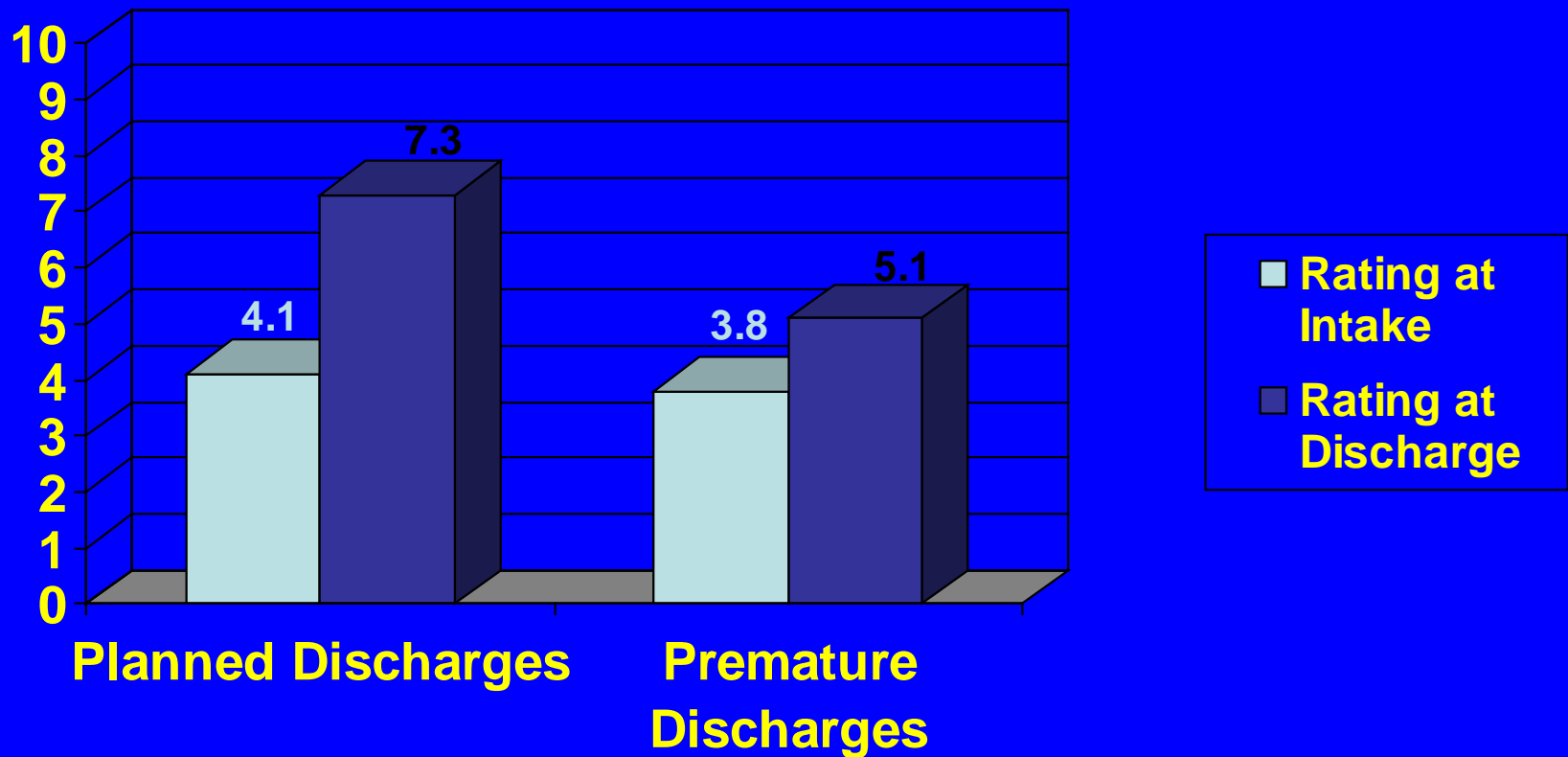


Proportional Increase, Parent Report: 9.7% ($p < .0001$)
Proportional Increase, Youth Report: 8.5% ($p < .0001$)
Proportional Increase, Worker Report: 12.3% ($p < .0001$)

Main Problem Ratings & Scores

- ➔ Defining Main Problem: co-construction of description of behavior that puts child at risk for requiring institutional treatment
- ➔ Rating Main Problem: 10 point scale with behavioral anchor points ranging from:
 - 1 - Imminent risk of injury to self or others/gravely disturbed
 - to:
 - 10 - No disturbance

Main Problem Rating: Paired T-test Results Measured at IICAPS Intake and Discharge



Mean Difference, Planned Discharges:

3.2 pts. ($p < .0001$)

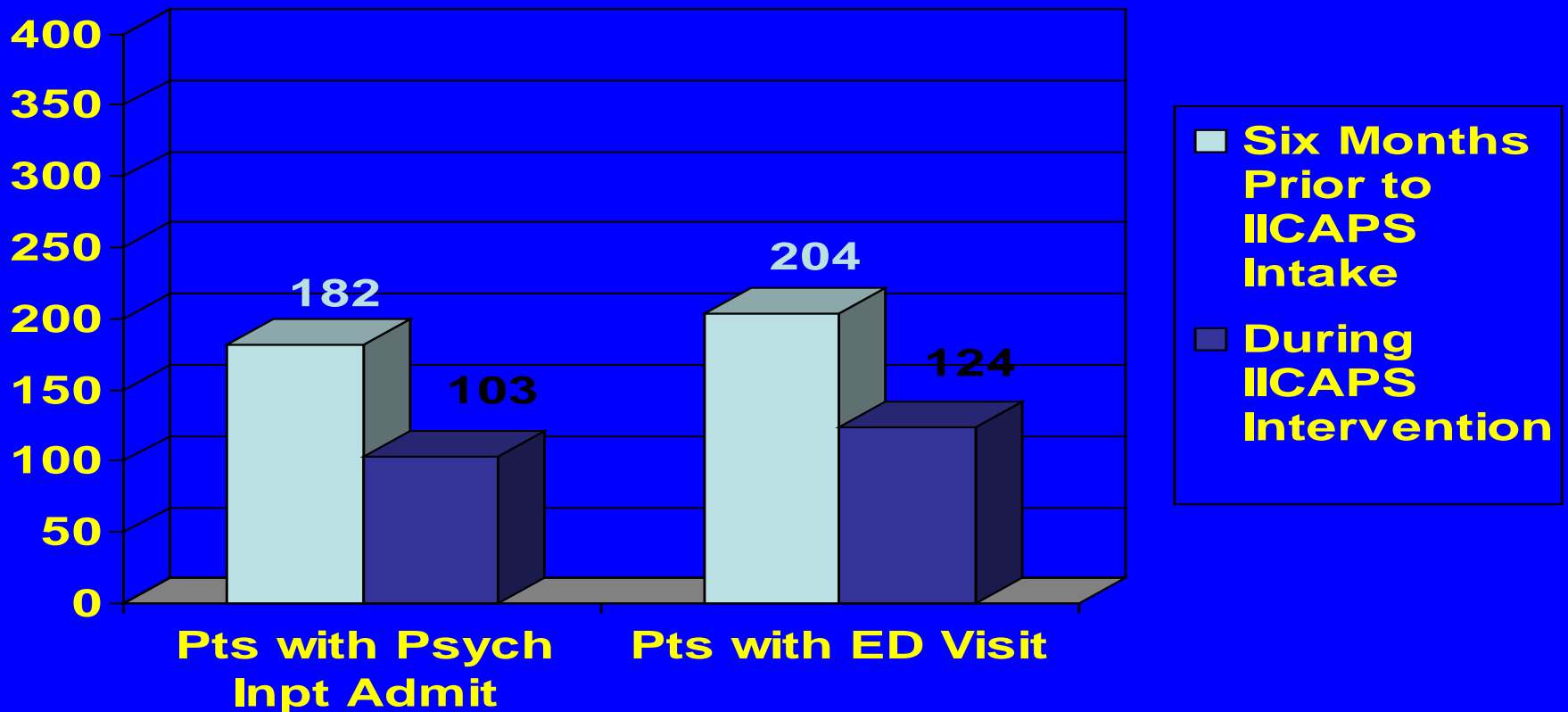
Mean Difference, Premature Discharges:

1.3 pts. ($p < .0001$)

Service Utilization Data

- Service Utilization Questionnaire (SUQ): created by the IICAPS developers
- Parent report
- Administered at Intake to collect data on service utilization during the 6 months prior to IICAPS Intake
- Administered at Discharge to collect data on service utilization during the period of the IICAPS Intervention (time variable)

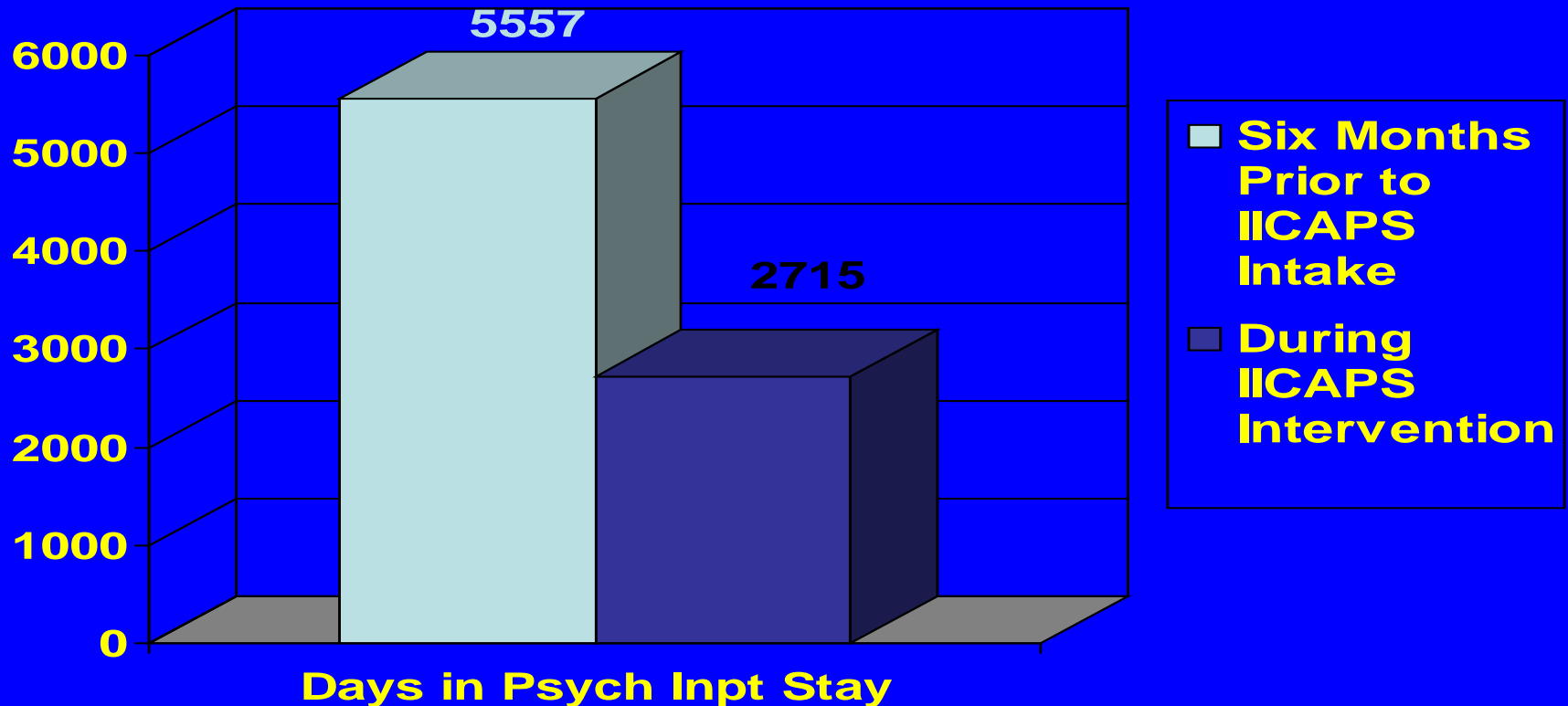
Service Utilization Data: Number of Patients with a Treatment Event



Proportional Decrease, Patients w/Psych Inpt Admission: 43.4%

Proportional Decrease, Patients w/ED Visit: 30.4%

Service Utilization Data: Total Days of Psychiatric Inpatient Stay



Proportional Decrease, Days in Psych Inpt Stay: 51.1%

Satisfaction:

Paired T-test Results of Ohio Scores
Measured at IICAPS Intake and Discharge
(Planned Discharges)

- ***Per Parent Report*, satisfaction with the IICAPS intervention represented a 17% increase over satisfaction with previous mental health services ($p < .0001$)**
- ***Per Youth Report*, satisfaction with the IICAPS intervention represented a 11.5% increase over satisfaction with previous mental health services ($p < .0001$)**

Outcomes by Quarter

Problem Severity Ohio Scales:

Parent Report: 12.1 – 13.4 point decreases (12.1% – 13.4% decrease)

Worker Report: 9.1 - 13.4 point decreases (9.1% – 13.4% decrease)

Youth Report: 5.7 - 14.4 point decreases (5.7% – 14.4% decrease)

Functioning Ohio Scales:

Parent Report: 8.2 - 10.5 point increases (10.3% – 13.1% increase)

Worker Report: 7.8 – 11.8 point increases (9.8% – 14.8% increase)

Youth Report: 4.3 – 12.2 point increases (5.4% – 15.3% increase)

Main Problem Severity: 2.9 - 3.4 point decreases (*planned discharges*)

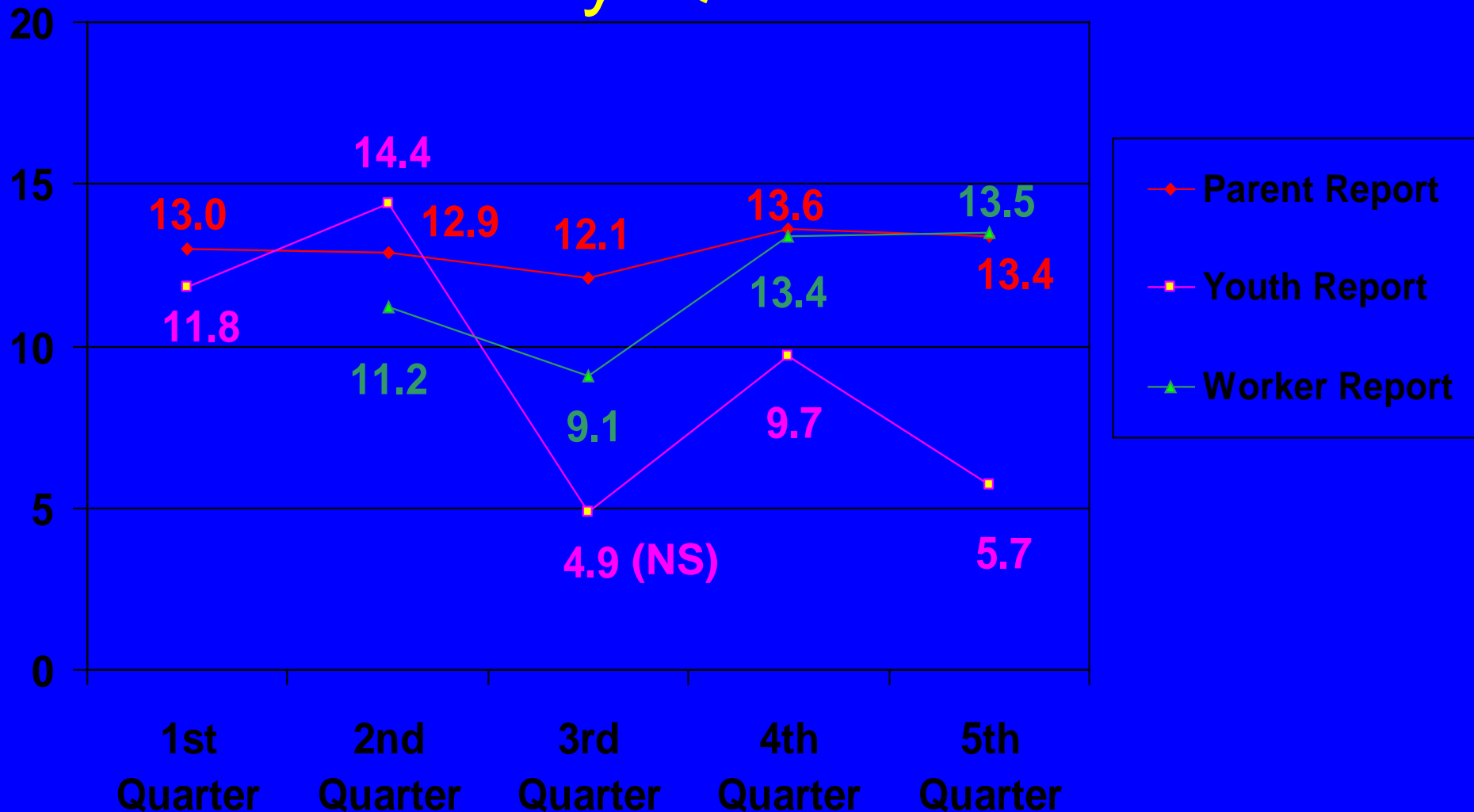
Service Utilization:

Psychiatric Inpatient Admissions: 32.4% - 50% decreases

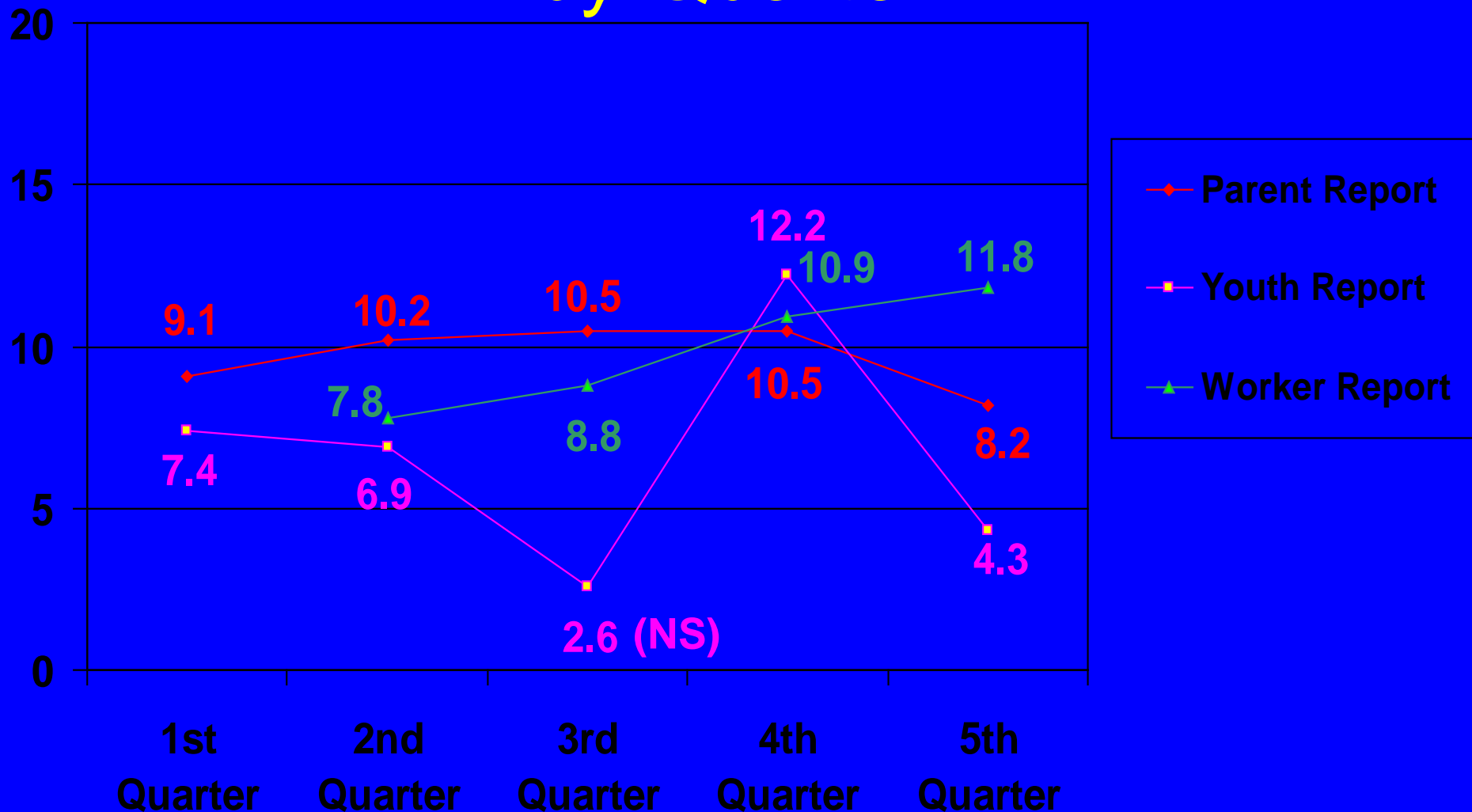
Psychiatric Inpatient Days: 33.2% - 74% decreases

ED Visits: 15.8% - 52.5% decreases

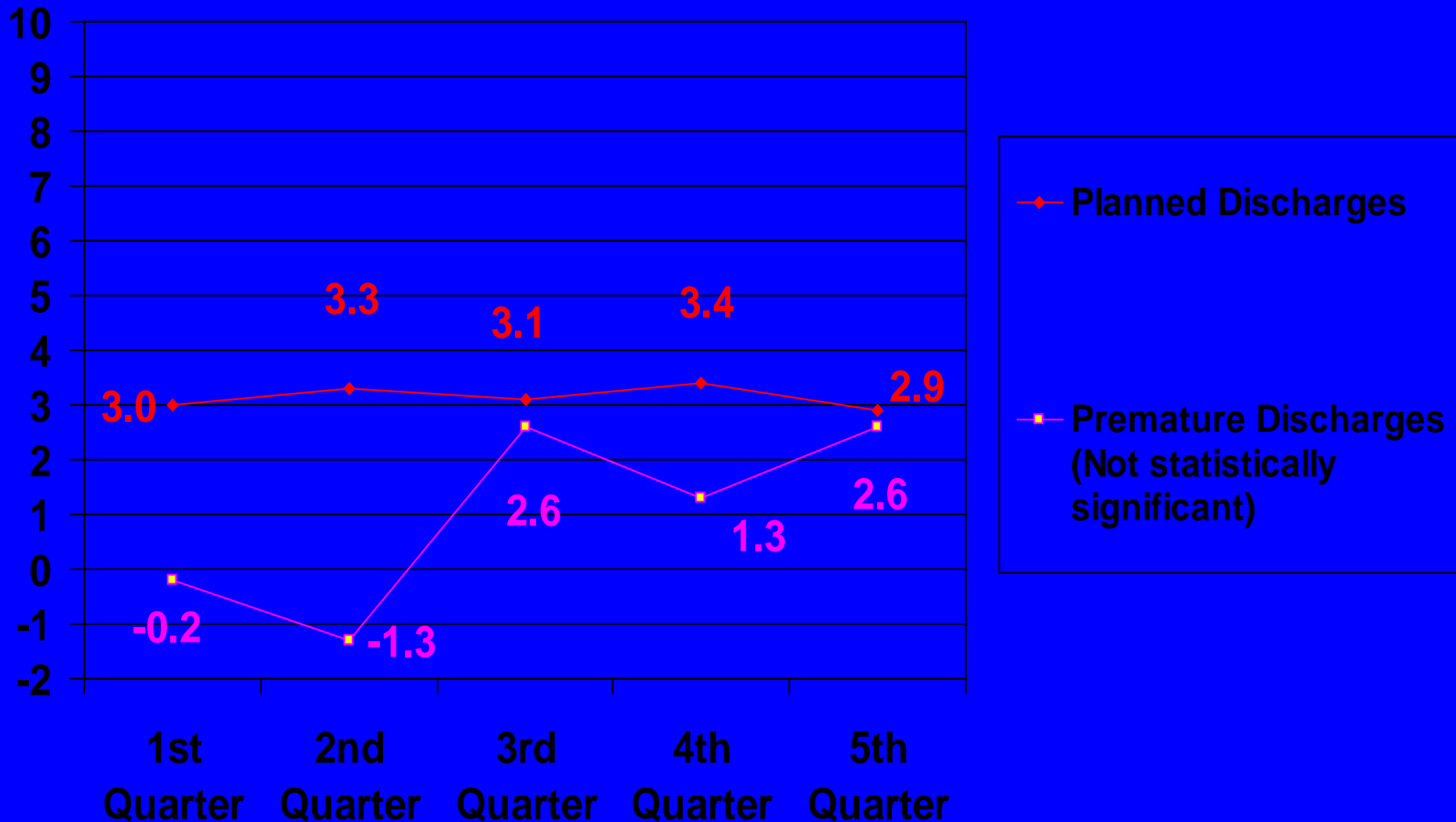
Proportional Decreases in Problem Severity Ohio Scores, by Quarter



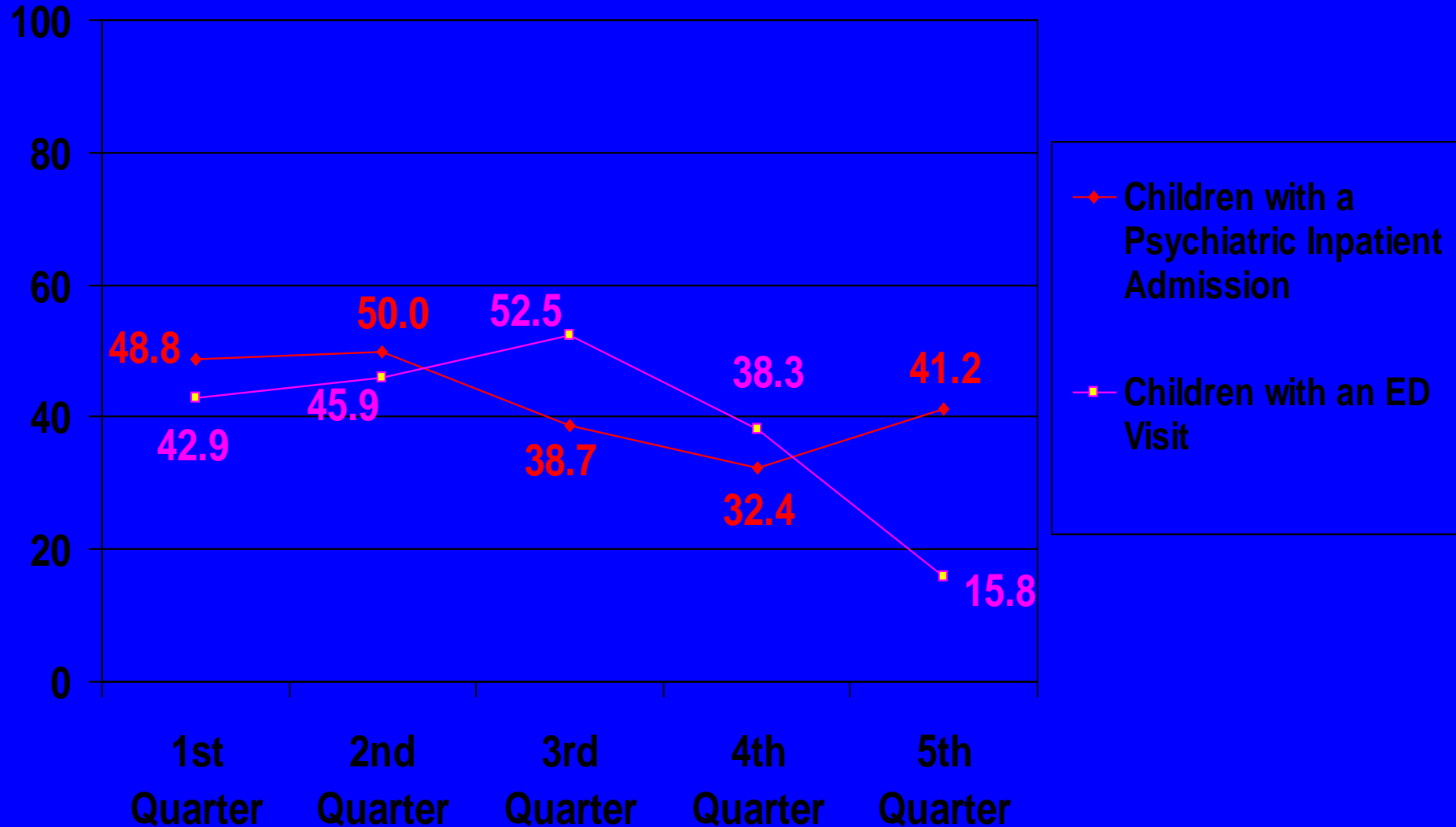
Proportional Decreases in Functioning Ohio Scores, by Quarter



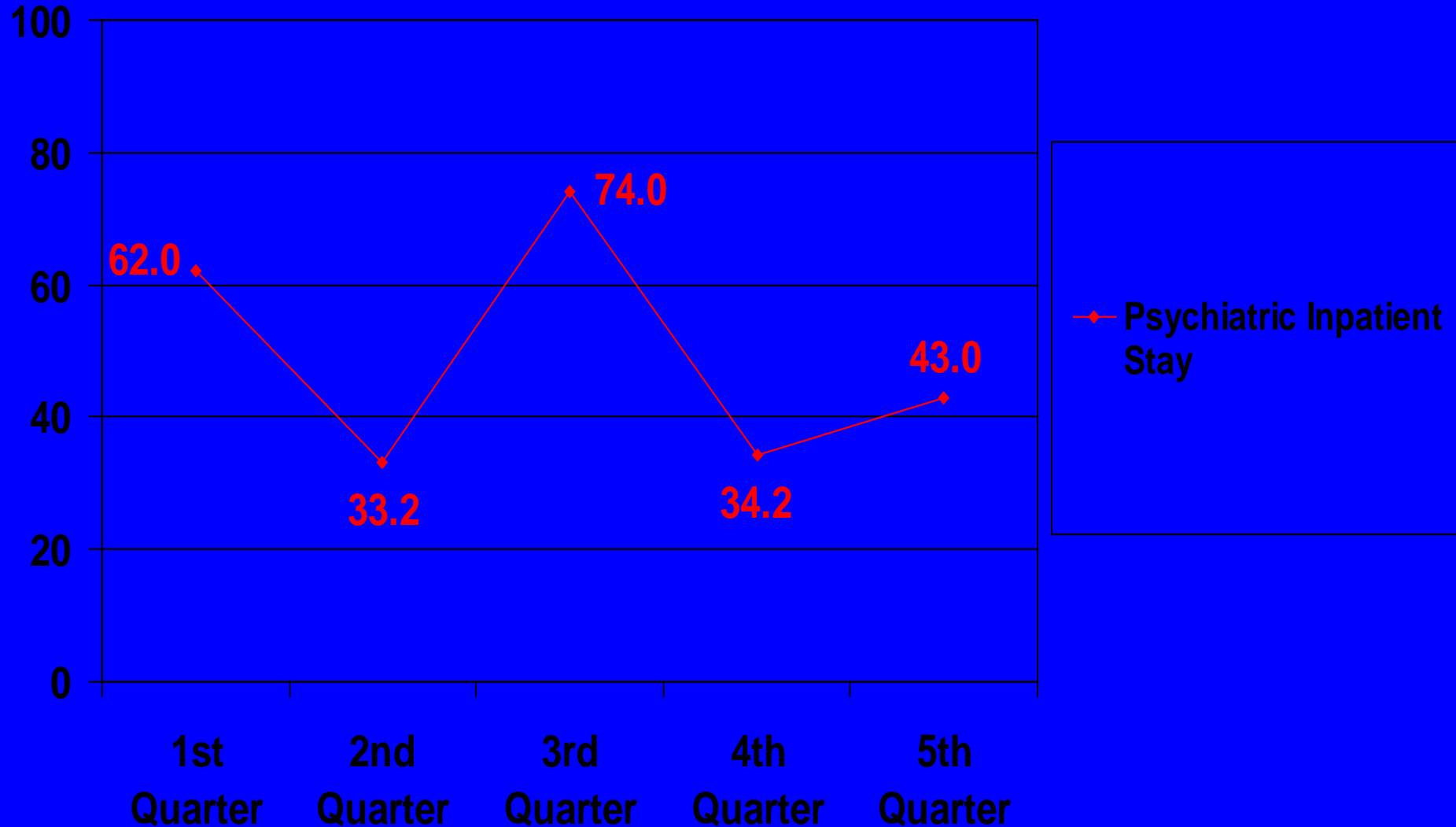
Main Problem Scores, by Quarter



Service Utilization Data, by Quarter: Proportional Change in Number of Patients with a Treatment Event



Service Utilization Data, by Quarter: Proportional Change in Total Number of Psychiatric Inpatient Days

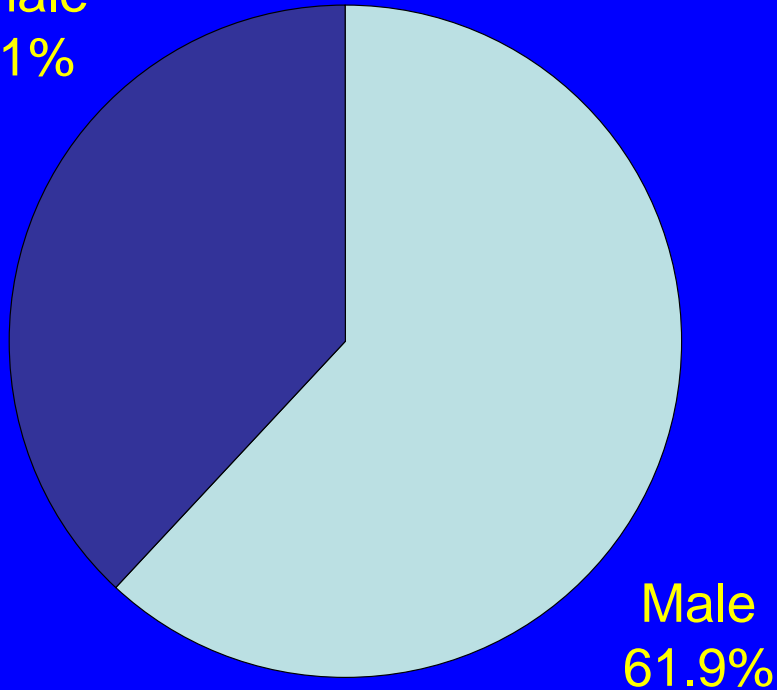


IICAPS Network: Referrals

- ➔ Referrals made between July 1, 2006 & September 30, 2007
(FY 2006/2007 & 1st Quarter FY 2007/2008)
- ➔ N=872
- ➔ Among those referrals, 622 have become cases *(50 on waitlist, 200 not opened)*

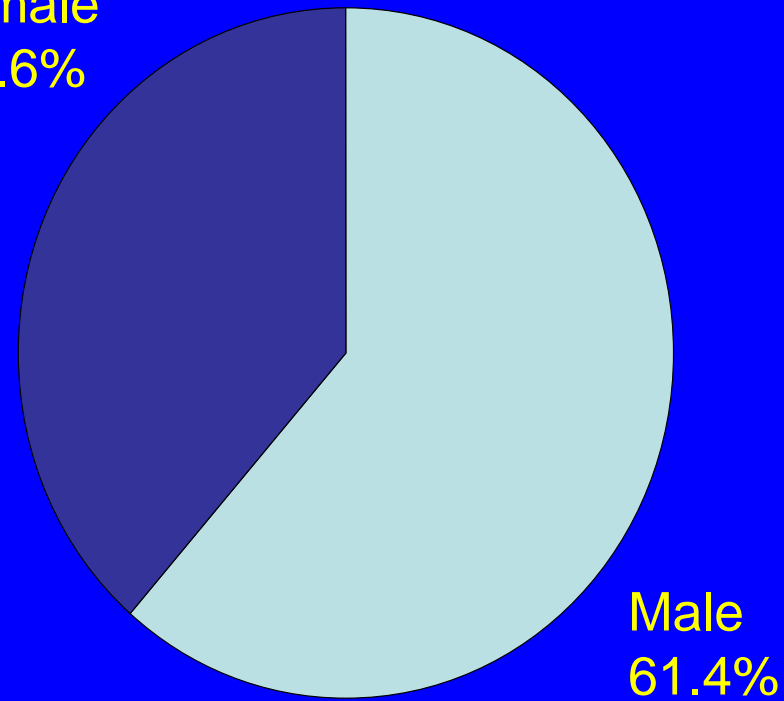
Referrals and Opened Cases, by Gender

Female
38.1%



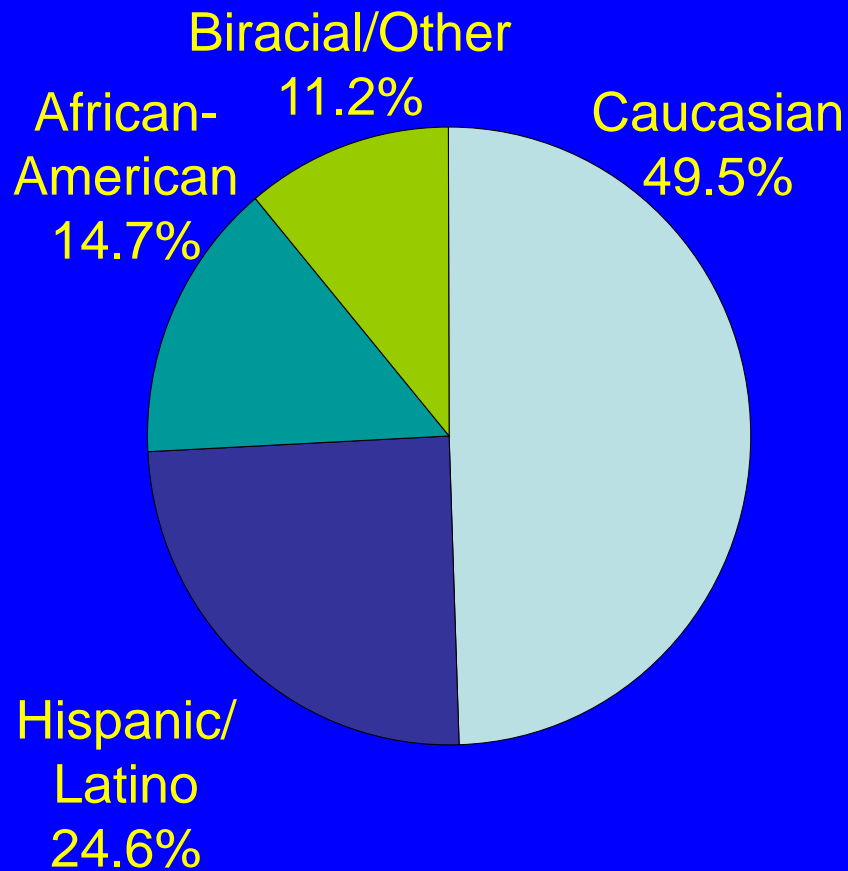
Children Referred

Female
38.6%

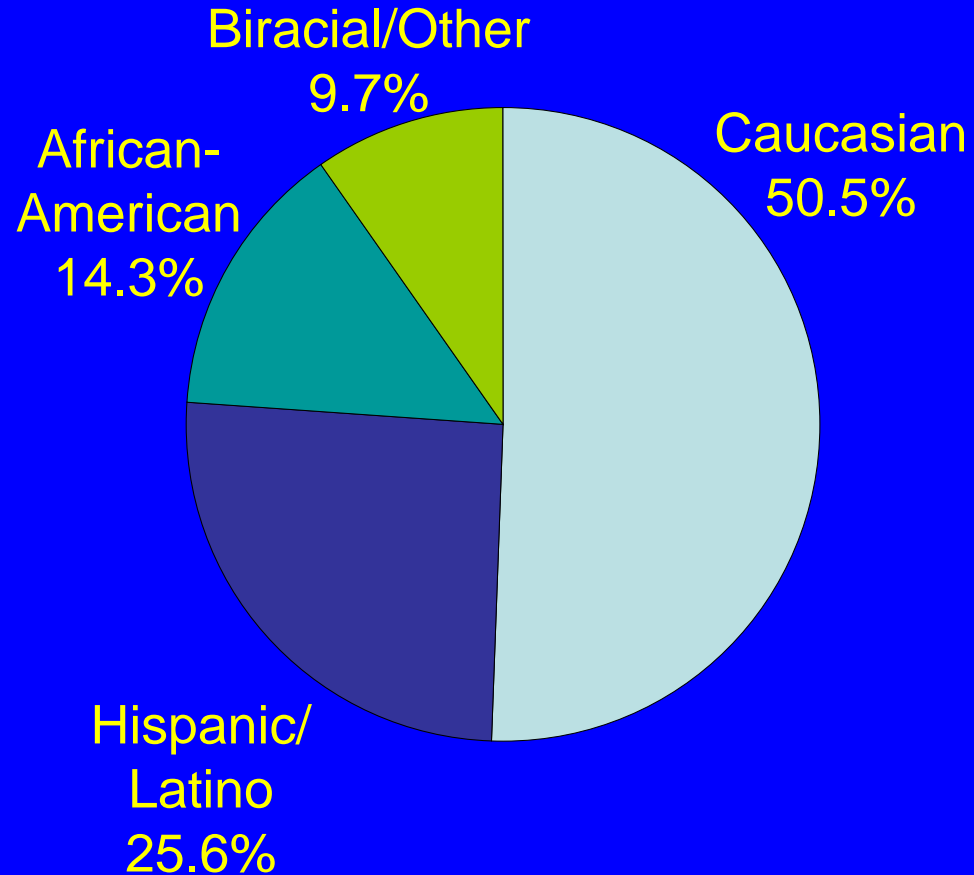


Children with Case Opened

Referrals and Opened Cases, by Race/Ethnicity



Children Referred

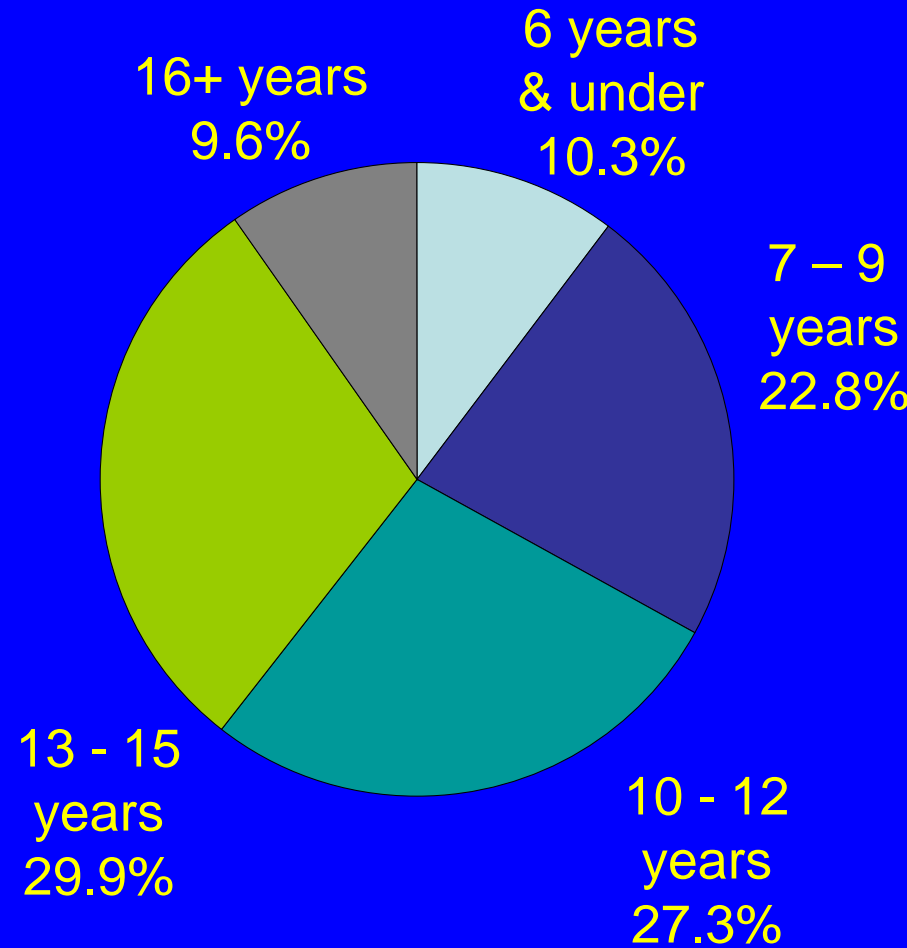


Children with Case Opened

Referrals and Opened Cases, by Age

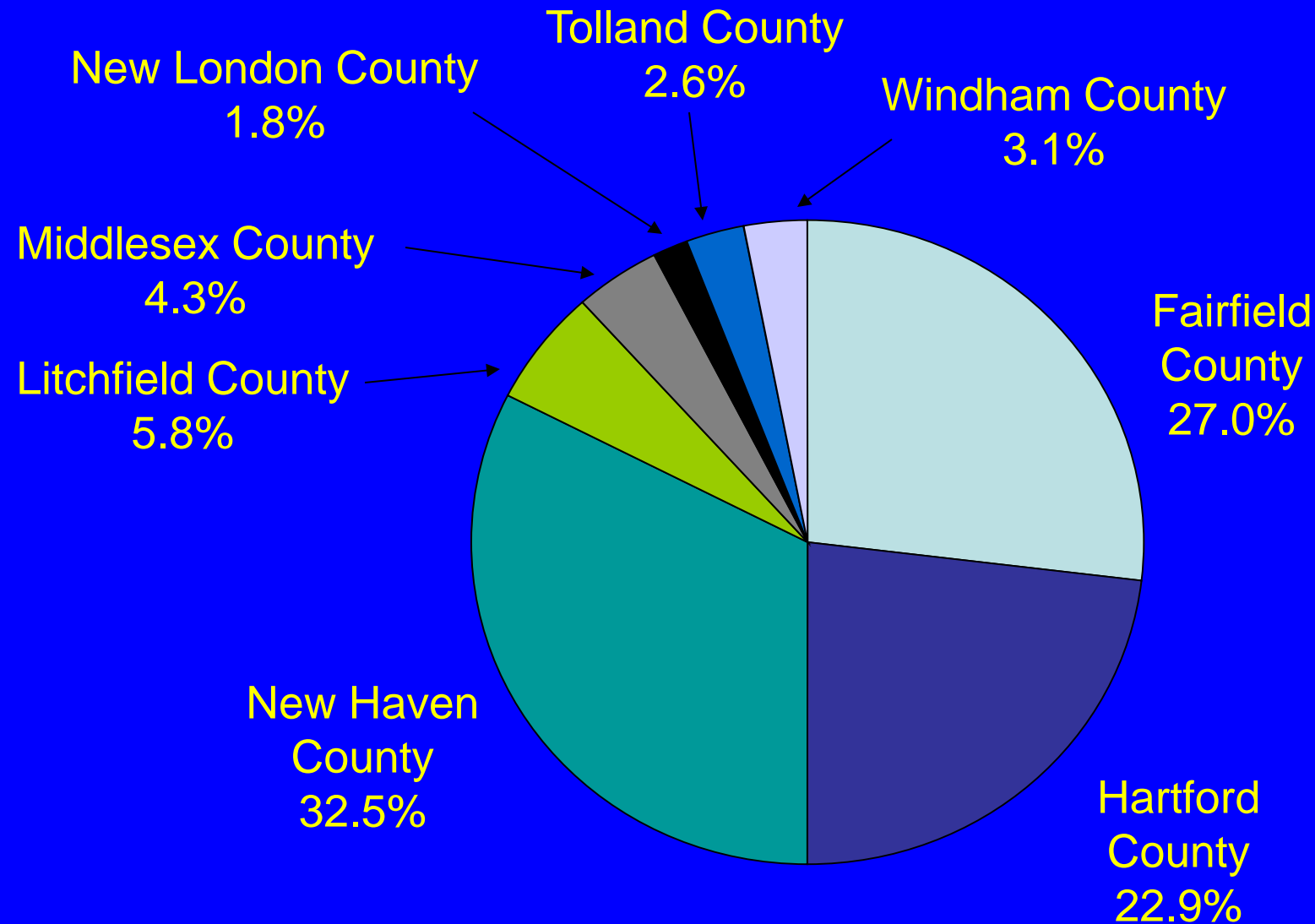


Children Referred

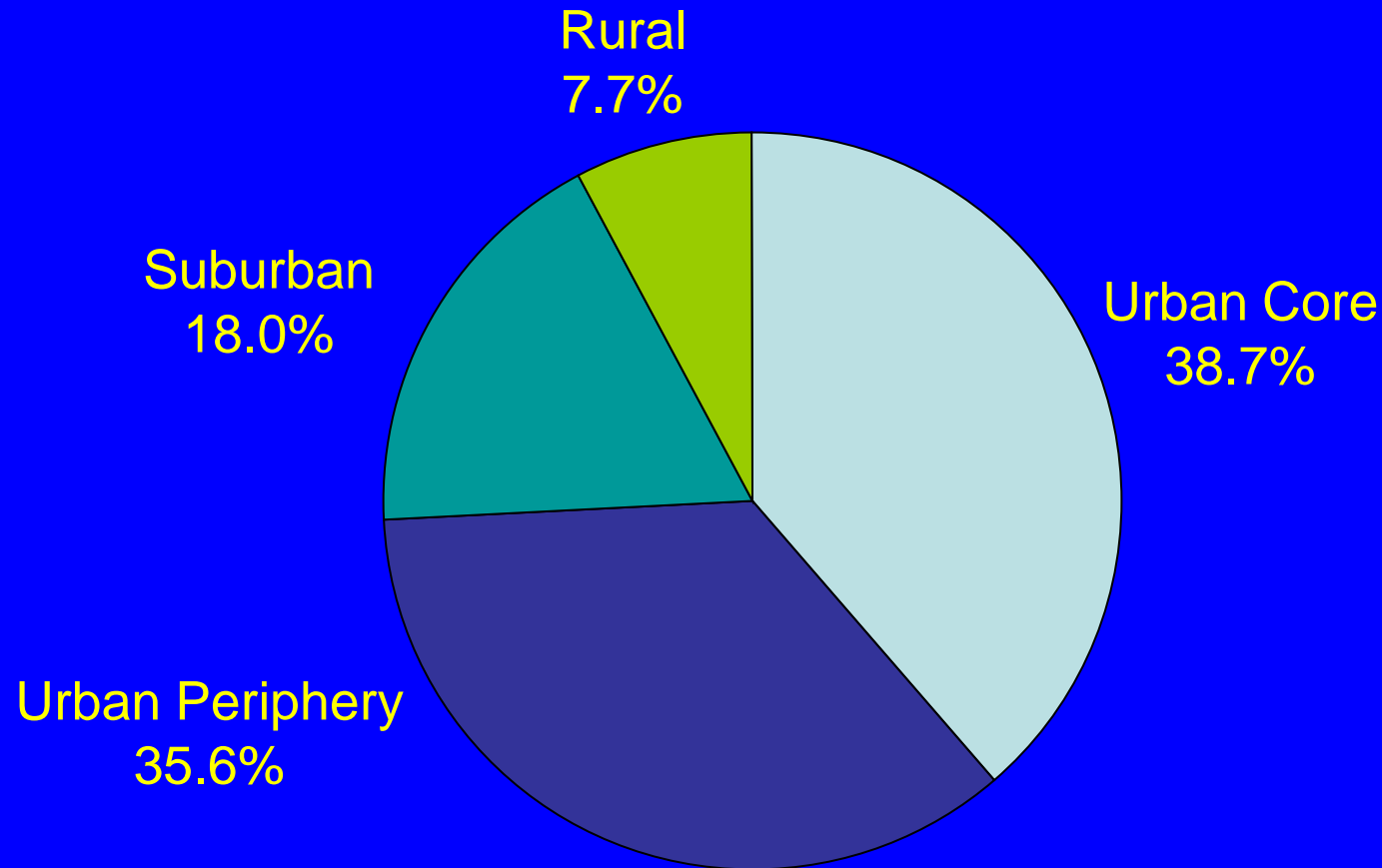


Children with Case Opened

Referrals, by County

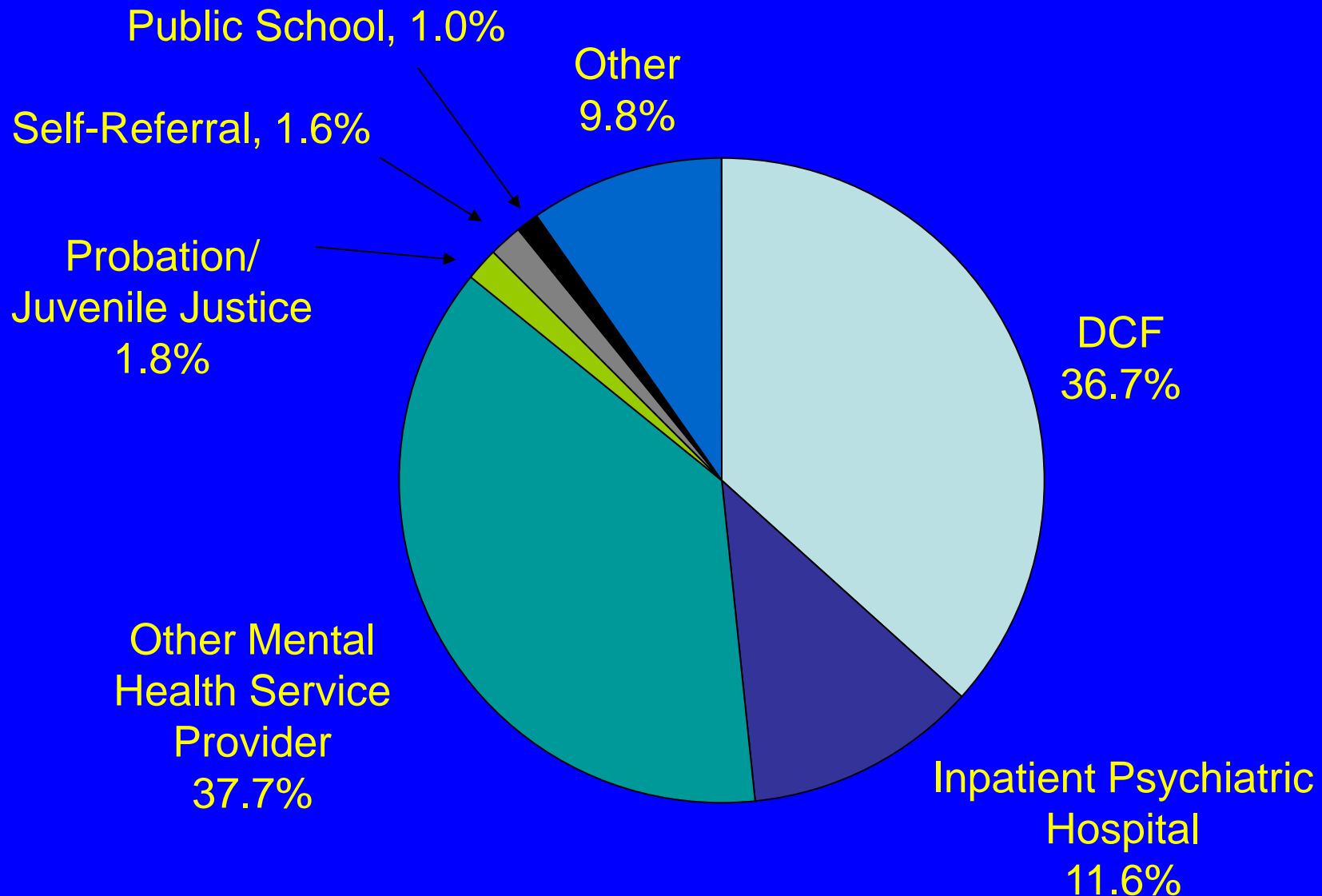


Referrals, by Type of Town*



*Towns categorized by the Connecticut State Data Center (CtSDC)
(missing = 43 towns (4.9%) without official categorization; most are likely "Rural")

Referrals, by Primary Referral Type



Effects of IICAPS Expansion

	New Intakes	Children Served
1 st Quarter:	115	300
2 nd Quarter :	119	317
3 rd Quarter :	109	343
4 th Quarter :	132	375
5 th Quarter :	186	442

IICAPS Summary

- ➔ Statistically significant improvements in:
 - ➔ Symptom severity
 - ➔ Functioning
 - ➔ Main problem severity
- ➔ Decreases in:
 - ➔ Psychiatric hospitalization admissions and days
 - ➔ ED visits for psychiatric reasons
- ➔ Increased satisfaction with IICAPS intervention over previous mental health services