

A Review of IICAPS:

Presentation to the BHPOC

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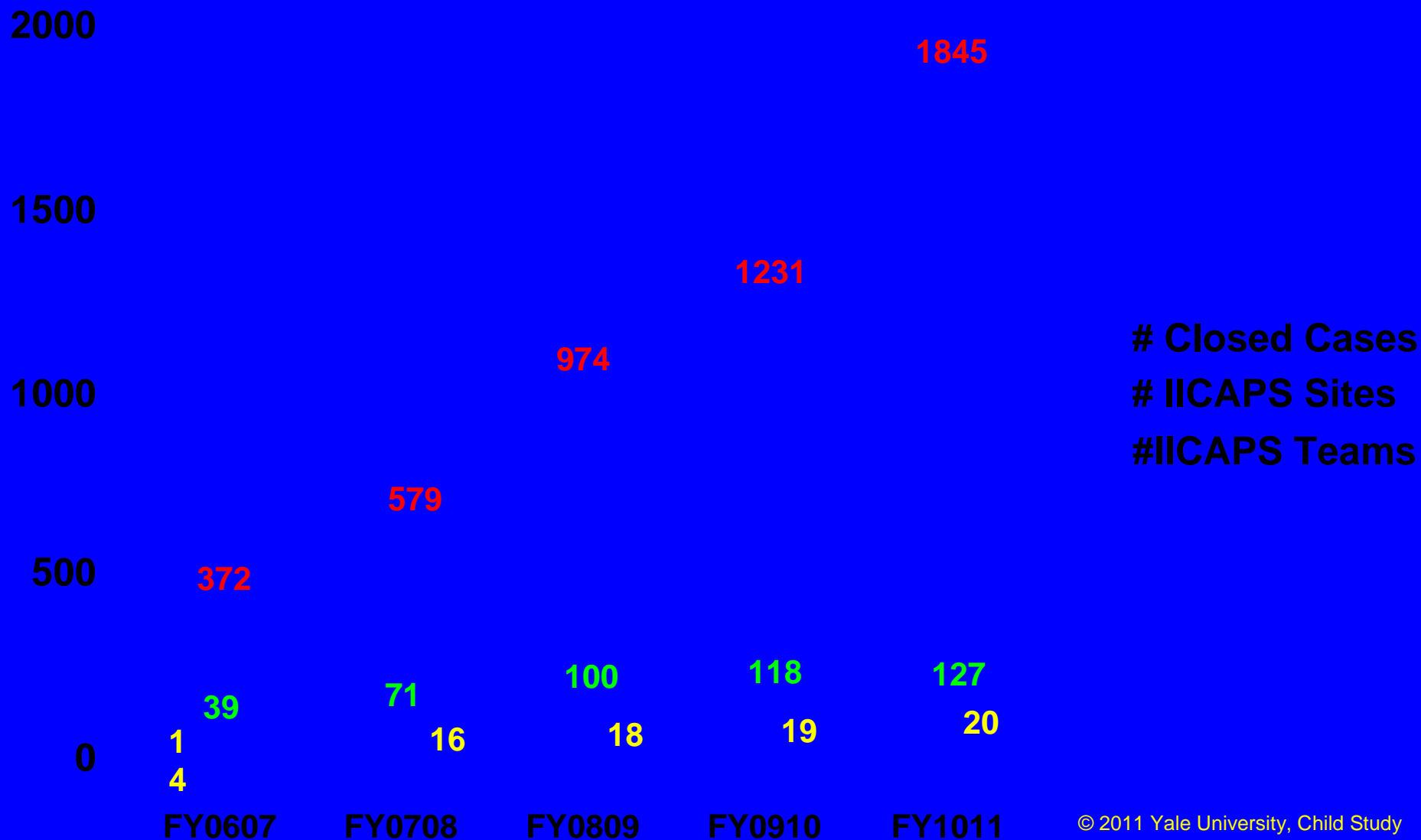
IICAPS

- Intensive, in-home, ecologically/family focused, relationship based
- 2 person clinical team (masters level clinician & bachelor level mental health counselor) treat 8 families simultaneously
- 3-4 teams form a Rounds group, led by CAP medical director & senior mental health clinician; weekly supervision

ICAPS Service Provision

- Team provides each family approximately 4-5 hours/week of direct and indirect services
- Duration of Care is approximately 6 months with some exceptions based on clear clinical need.

Growth of the IICAPS Network



Adaptations to Address Variability in Service Duration and Intensity

- Issues

- Rapid Growth in network

- Change in Fiscal Incentives

- Focus upon other service parameters

- Wide variation in Duration of Service and Intensity of Service

- Changes

- Duration and Intensity benchmarks

- Change measures from “Average” to Percentage of Cases

- Aligned IICAPS data with Partnership Bypass Procedures

IICAPS DURATION (Q1&2 FY12)

DURATION

Site/Provider	N*	Average LOS (in Months)	% Cases with LOS 0 – 4 Months	% Cases LOS 4 - 7 Months	% Cases with LOS 7+ Months
Boys & Girls Village	42	5.3	19.1%	71.4%	9.5%
Bridges	45	5.2	15.6%	80.0%	4.4%
Catholic Charities	12	5.5	16.7%	50.0%	33.3%
CFA – All Sites	23	4.9	21.7%	73.9%	4.4%
CCGC	8	5.4	25.0%	75.0%	
CHR	47	5.4	14.9%	78.7%	6.4%
Family & Children's Agency - Norwalk	28	5.9	3.6%	92.9%	3.6%
Family & Children's Aid – All Sites	236	5.1	19.9%	76.3%	3.8%
Middlesex Hospital	20	5.1	15.0%	85.0%	
Natchaug Hospital	24	5.1	20.8%	75.0%	4.2%
Village for Children and Families	39	6.1	7.7%	76.9%	15.4%
Wellmore – All Sites	103	6.0	4.9%	83.5%	11.7%
Wheeler Clinic	49	5.7	6.1%	87.8%	6.1%
Yale Child Study Center	59	5.4	15.3%	79.7%	5.1%
NETWORK MEAN	735	5.4	14.6%	78.8%	6.7%
BENCHMARKS			15%	70%	15%

IICAPS SERVICE INTENSITY (Q1& 2 FY12)












SERVICE INTENSITY

Average Time Billed per Week per Case (in hours)	% Cases with 0 – 4 Hours Billed per Week	% Cases with 4 - 6 Hours Billed per Week	% Cases with 6+ Hours Billed per Week
4.2	38.1%	57.1%	4.8%
4.6	33.3 %	57.8%	8.9%
2.8	91.7%	8.3%	
4.0	39.1%	60.9%	
4.0	37.5%	62.5%	
3.0	85.1%	14.9%	
4.8	14.3%	78.6%	7.1%
4.8**	17.6%	77.7%	4.7%
4.7	35.0%	55.0%	10.0%
4.8	20.8%	70.8%	8.3%
3.9	46.1%	53.9%	
4.6	26.2%	63.1%	10.7%
3.7	57.2%	40.8%	2.0%
4.1	44.1%	49.1%	6.8%
AVG 4.4	34.2%	60.5%	5.3%
Benchmark	20%	70%	10%

Duration & Outcome: Main Problem Scores at Specific Time Points (Closed Cases FY1011)

	Treatment Completers		Non-Completers	
	N	Score (s.d.)	N	Score (s.d.)
Score at or prior to 3 months	1179	5.1 (2.0)	585	4.5 (2.2)
Score at or prior to 4 months	1156	5.8 (2.0)	493	4.5 (2.2)
Score at or prior to 5 months	1098	6.2 (2.0)	409	4.8 (2.3)
Score at or prior to 6 months	973	6.7 (2.1)	357	4.8 (2.4)
Score at or prior to 7 months	563	6.6 (2.1)	312	4.6 (2.3)
Score at or prior to 8 months	310	6.5 (2.1)	286	4.6 (2.3)
Score at or prior to 9 months	227	6.6 (2.1)	269	4.5 (2.3)

IICAPS Network: Outcomes

- ➔   ♦  ♦ Closed between July 1, 2006 & June 30, 2011
(FYs 06/07, 07/08, 08/09, 09/10, & 10/11)
- ➔ N=5028
- ➔  ●  ■ ■   Discharges/Tx Completers (n=3203, 63.7%)
- ➔  □  ○  ♦ ♦ □  Discharges/Non-completers (n=1825, 36.3%)

IICAPS Outcomes Measures

Ohio Scales:
Problem Severity
& Functioning Domains

Environmental
Stressors

Main Problem Rating

Child Emotional &
Behavioral Problems

Out of Control
Behavior

Institutional
Service Use

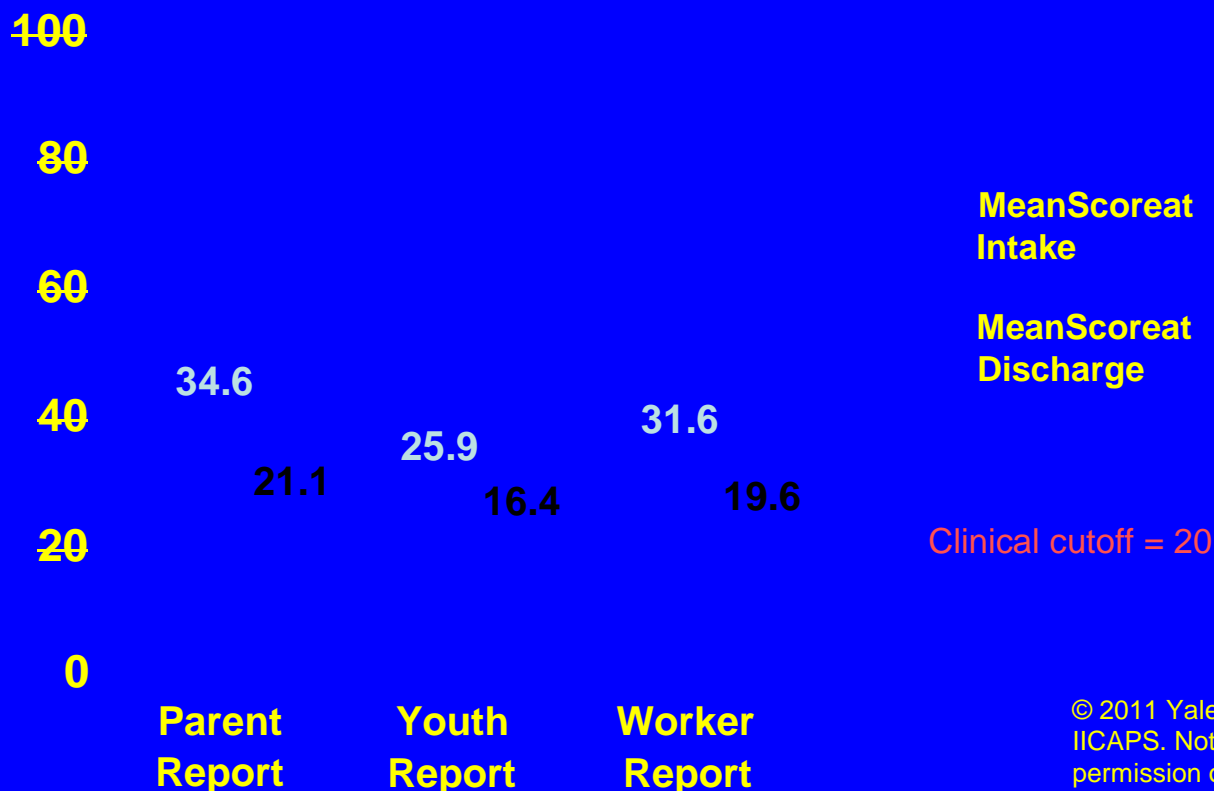
Parental
Stress

Parenting & family
management skills

Service Utilization
Questionnaire (SUQ)

Ohio Problem Severity:

Paired T-test, IICAPS Intake and Discharge
(Planned Discharges/Treatment Completers)



Proportional Decrease, Parent Report: 13.5% ($p < .0001$)

Proportional Decrease, Youth Report: 9.6% ($p < .0001$)

Proportional Decrease, Worker Report: 12.1% ($p < .0001$)

Ohio Child Functioning:

Paired T-test, IICAPS Intake and Discharge
(Planned Discharges/Treatment Completers)

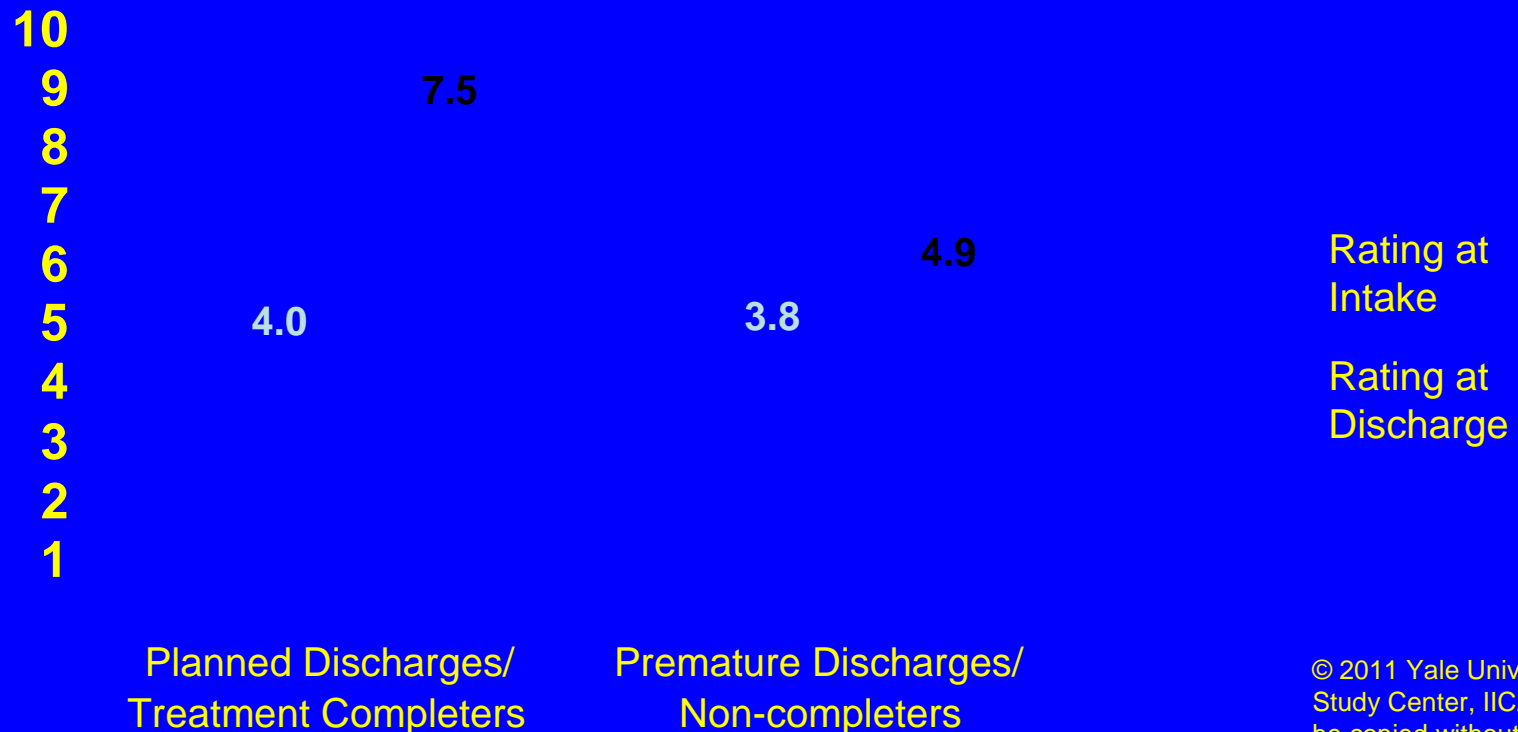


Proportional Increase, Parent Report:	12.5% (p<.0001)
Proportional Increase, Youth Report:	8.4% (p<.0001)
Proportional Increase, Worker Report:	12.9% (p<.0001)

Main Problem Rating: 1 to 10

Paired T-test Results

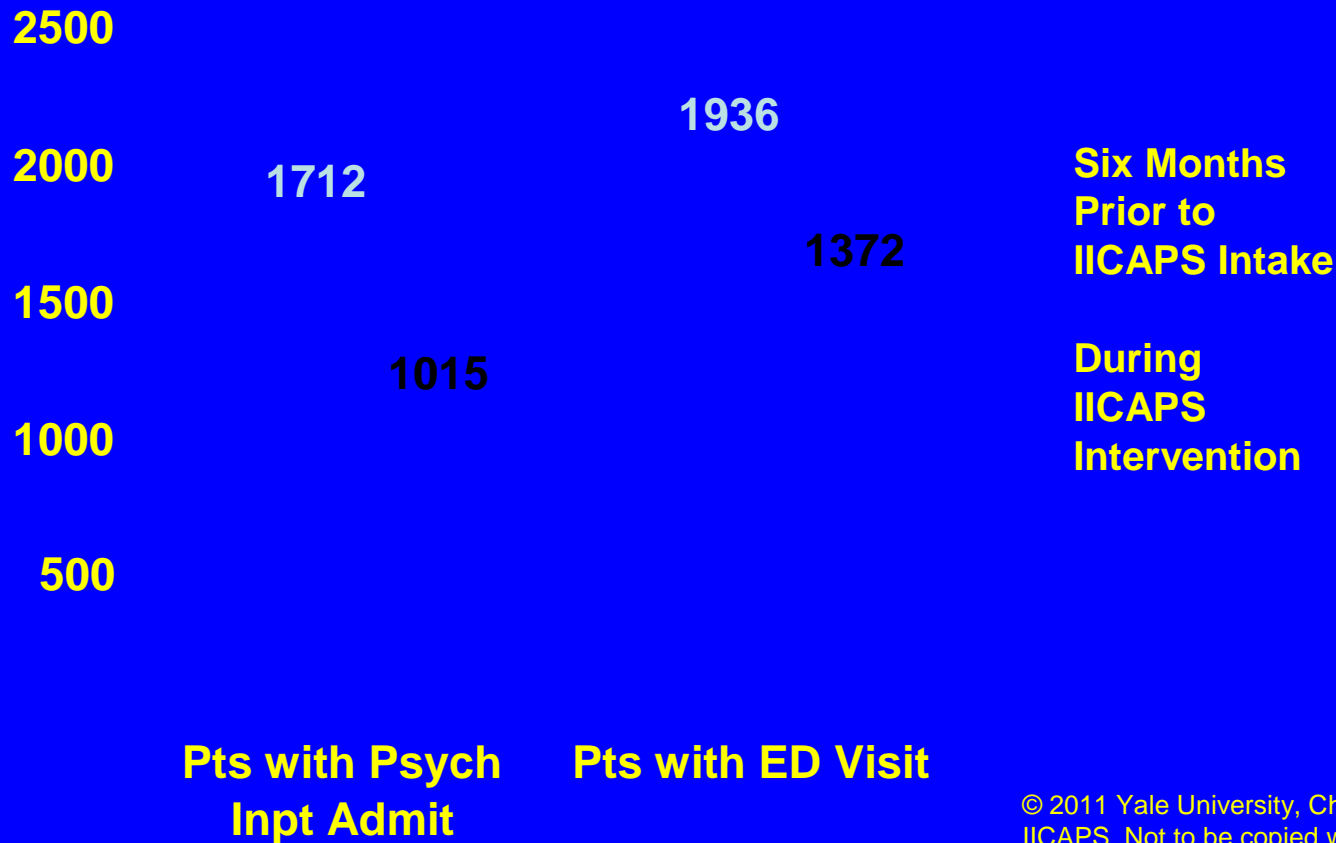
Measured at IICAPS Intake and Discharge



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Mean Difference, Planned Discharges/Treatment Completers: 3.5 pts. ($p < .0001$)
Mean Difference, Premature Discharges/Non-completers: 1.1 pts. ($p < .0001$)

Service Utilization Data: Number of Patients with a Treatment Event

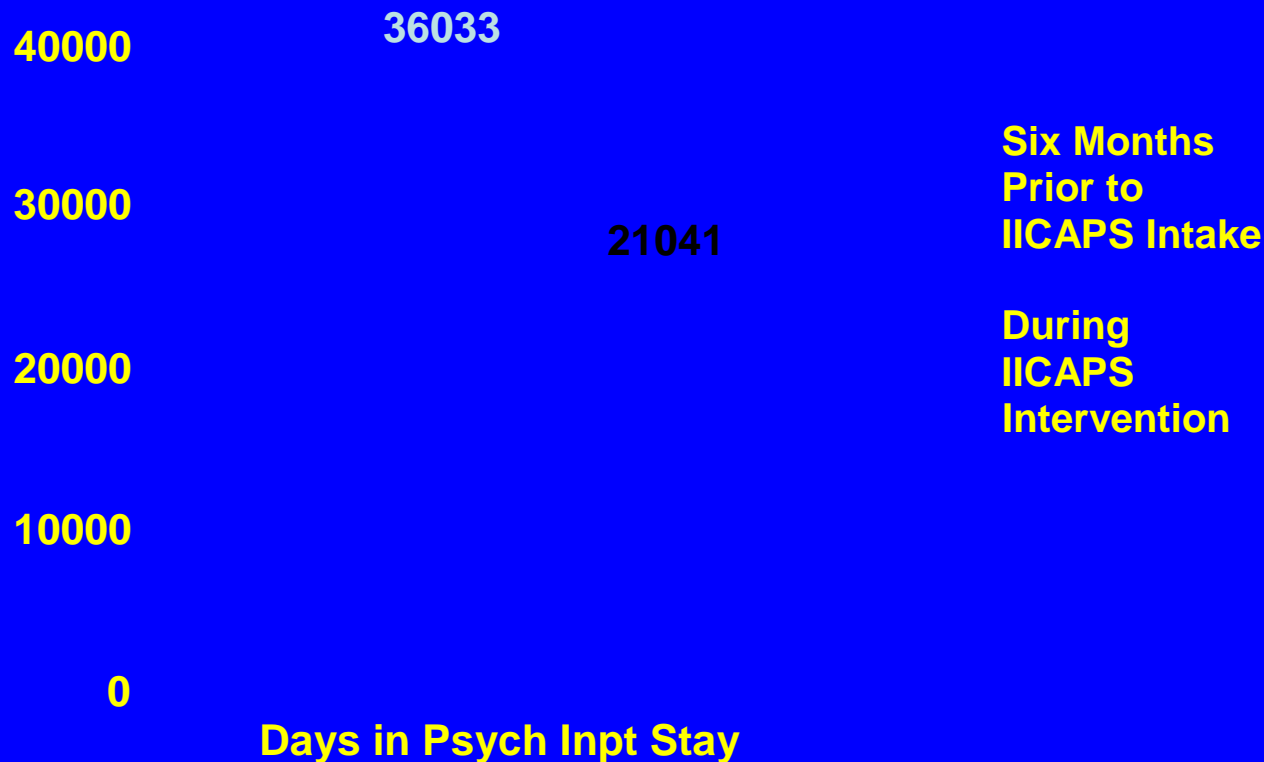


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Proportional Decrease, Patients w/Psychiatric Inpatient Admission: 40.7%

Proportional Decrease, Patients w/ED Visit: 29.1%

Service Utilization Data: Total Days of Psychiatric Inpatient Stay



Proportional Decrease, Days in Psychiatric Inpatient Stay:

IICAPS Summary:

5 years of experience

- Statistically significant improvements in:
 - Symptom severity
 - Functioning
 - Main problem severity
- Statistically significant decreases in:
 - Psychiatric hospitalization admissions and days
 - ED visits for psychiatric reasons
- Stability of outcomes in face of system changes

Next steps

- Continue to refine intervention based upon data
- Conduct RCT
 - IICAPS v. Home-based Child Treatment Coordination
- Further Dissemination

Family Health and Development Project (FHDP)

- Randomized controlled trial:
 - IICAPS vs. Home-based Child Treatment Coordination, each a 6-month delivery of service
- Funded internally by Yale Child Study Center
- 12-month study:
 - Study treatment provided for 6 month
 - In-person research interviews with parent/legal guardian at baseline, study treatment discharge, & 12 months
 - Brief phone interviews monthly between in-person interviews

FHDP (cont.)

- Two primary outcomes, measured monthly:
 - Institutional service utilization (*measured with the Service Utilization Questionnaire, SUQ*)
 - Out-of-control behavior (*measured with the Retrospective Modified Overt Aggression Scale, R-MOAS*)
- Other measures:
 - child symptoms & behavior,
 - parent psychiatric symptoms, parenting behavior, parental problem solving, & parental perception of the child
 - School
 - Suspensions, Expulsions, Days missed, Child Misconduct
 - Teacher
 - Teacher Report Form of the CBCL
 - Hospital Discharge Data
 - Following a psychiatric inpatient stay
 - Department of Social Services
 - Claims data to supplement parent-report service utilization data