

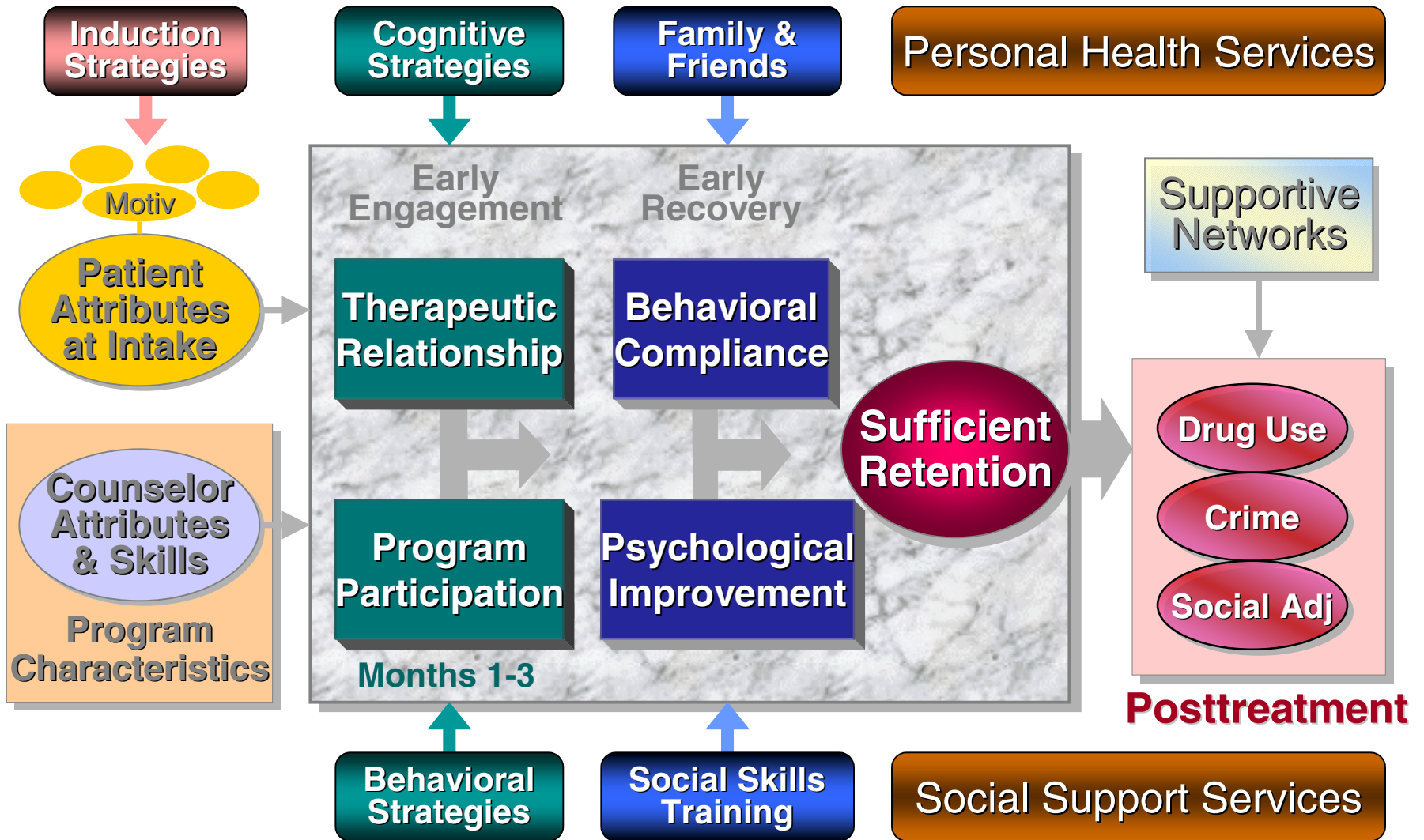
The TCU Brief Intake and Client Problem Index (CPI)

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Elements of Drug Treatment System



Simpson et al., 1997 (JDI); in press (SUM)

Background

- The goal was to develop useful diagnostic reports of client problem areas from the TCU Brief Intake.
- Problem areas were constructed based on research from
 - ◆ Addiction Severity Index (ASI)
 - ◆ DATOS Patient Problem Index (alcohol dependence, multiple drug use, criminally active, depression or anxiety, unemployed, no insurance, low social support; Simpson et al., 1999).
- Seven main problem areas included drug, alcohol, medical, psychological, employment, legal, family/social.
- The first step was to validate the problem areas in the TCU Brief Intake using research data from DATAR.

TCU BRIEF INTAKE

SITE:

1

CLIENT ID:

0999

DATE:

5/6/99



AGE	41	EDUCATION	09
GENDER	Male		
RACE/ETHNICITY	Mexican American		
MARITAL STATUS	Separated		

LEGAL STATUS	Yes
LEGALLY MANDATED	No
HI NEED FOR TREATMENT	Yes
HI PRESSURE FOR TREATMENT	Yes

CLIENT PROBLEM PROFILE

	NO	YES		NO	YES
COCAINE	<input type="radio"/>	<input checked="" type="radio"/>	SEX RISKS	<input type="radio"/>	<input checked="" type="radio"/>
HEROIN/OPIATES	<input checked="" type="radio"/>	<input type="radio"/>	PEERS/FRIENDS	<input type="radio"/>	<input checked="" type="radio"/>
MARIJUANA	<input type="radio"/>	<input checked="" type="radio"/>	FAMILY	<input checked="" type="radio"/>	<input type="radio"/>
OTHER ILLEGAL DRUGS	<input type="radio"/>	<input checked="" type="radio"/>	PSYCHOLOGICAL	<input type="radio"/>	<input checked="" type="radio"/>
ALCOHOL	<input checked="" type="radio"/>	<input type="radio"/>	HEALTH	<input checked="" type="radio"/>	<input type="radio"/>
MULTIPLE (3+) DRUG USE	<input type="radio"/>	<input checked="" type="radio"/>	UNEMPLOYMENT	<input type="radio"/>	<input checked="" type="radio"/>
NEEDLE USE RISKS	<input checked="" type="radio"/>	<input type="radio"/>	CRIMINAL INVOLVEMENT	<input checked="" type="radio"/>	<input type="radio"/>

Client PROBLEM INDEX (Range 0-14)

8

Low

Mod

High

Extreme

1-4

5-6

7-8

9-14

TCU BRIEF INTAKE

SITE:

1

CLIENT ID:

N=548

DATE:

5/6/99



AGE	38.2	EDUCATION	10.6
GENDER	70% Male		
RACE/ETHNICITY			
MARITAL STATUS			

LEGAL STATUS	56%
LEGALLY MANDATED	0%
HI NEED FOR TREATMENT	99%
HI PRESSURE FOR TREATMENT	52%

SUMMARY PROBLEM PROFILE (for Program)

	YES		YES
COCAINE	41%	SEX RISKS	38%
HEROIN/OPIATES	100%	PEERS/FRIENDS	70%
MARIJUANA	5%	FAMILY	75%
OTHER ILLEGAL DRUGS	8%	PSYCHOLOGICAL	55%
ALCOHOL	34%	HEALTH	30%
MULTIPLE (3+) DRUG USE	8%	UNEMPLOYMENT	71%
NEEDLE USE RISKS	73%	CRIMINAL INVOLVEMENT	64%

Average PROBLEM INDEX (Range 0-14)

6.2

Low	Mod	High	Extreme
26%	27%	29%	18%

Sample

- Clients received no-fee treatment for up to 1 year in a private MMT program in Texas between September 1995 and June 1999.
- Admission characteristics were collected from clients during structured interviews conducted at treatment entry (N= 547 clients).
- During-treatment measures were collected after clients had completed 3 months of treatment (N= 355 clients).
- Post-treatment measures were collected at follow-up, 18 months after treatment admission (N= 233 clients).

Client Profile Index (CPI)

Sum of "dichotomized scores" (0-14)

- Cocaine
- Heroin/Opiates
- Marijuana
- Other illegal drugs
- Alcohol
- Multiple (3+) drug use
- Needle (HIV) Risks
- Sex (HIV) Risks
- Peers/Friends
- Family
- Psychological
- Health
- Unemployment
- Criminal Involvement

Drug Problems

Cocaine, Heroin, Marijuana, Other Drugs

- DSM-IV Dependence (for each drug)
- At least weekly drug use (self report)
- Urgent need for treatment (client perception)

Alcohol

- DSM-IV Alcohol Dependence
- At least daily alcohol use (self report)
- Urgent need for alcohol treatment (client perception)

Multiple Drug Use

- At least weekly use of 3 or more drugs (self report)

HIV/AIDS Risk Problems

Needle Risks (any of the indicators)

- Dirty needles
- Share cooker, cotton, rinse water
- Share with other needle users

Sex Risks (any of the indicators)

- Unprotected sex with non spouse/primary partner
- Unprotected sex with injection drug user
- Unprotected sex while engaging in prostitution

Peers/Friends Problems

Peer Criminality

- Used illegal drugs
- Sold drugs
- Did illegal acts
- In gangs
- Arrested/problems with the law
- In fights

Negative Peers

- Did not work regularly
- Got drunk
- Did not spend time with family
- Did not like being with family
- Did not feel hopeful about future

Family Problems

Family Strife

- Disagreements
- Big arguments or fights
- Blamed and fussed at

Lack of Family Cooperation

- Did not get along together
- Did not enjoy being together
- Did not talk seriously about interests and needs
- Did not help with each others' problems

Psychological Problems

Psychological Pathology (client perceptions)

- Serious depression
- Serious anxiety or tension
- Hallucinations
- Trouble concentrating, remembering
- Trouble controlling violent behavior

Suicide Ideation/Attempt (reported by client)

Other Profile Components

Health Problems

- Serious perceived current health problem

Employment Problems

- Unemployed (full or part-time)

Criminal Involvement

- Arrested in prior 6 months
- Committed illegal activity
- Illegal support

CPI Scores & During-Treatment Indicators

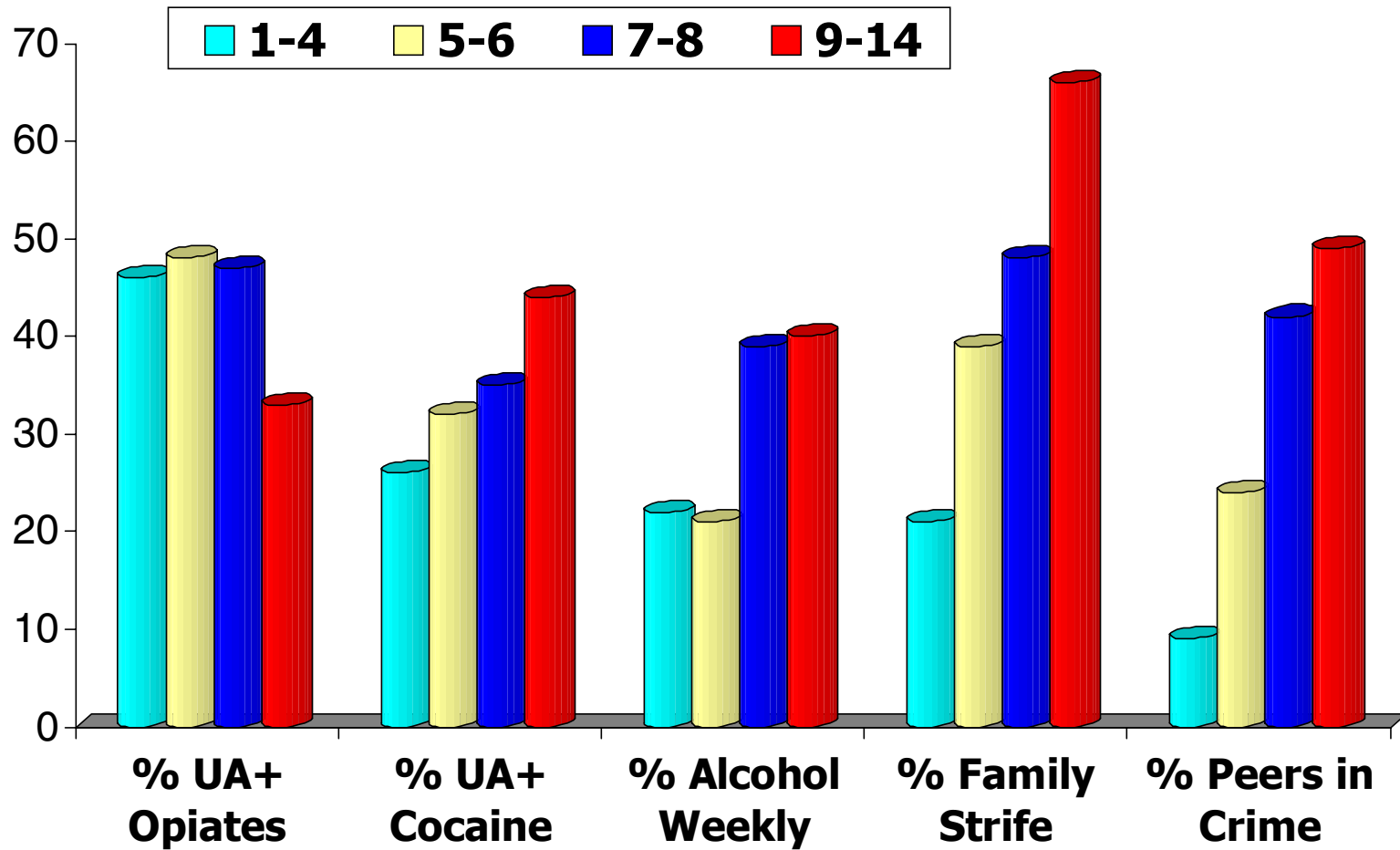
Alcohol and Drug Use

- Alcohol use ($r = .22$)****
- Marijuana use ($r = .12$)*
- Cocaine use ($r = .16$)**
- Opiate-positive urines ($r = -.10$)*
- Cocaine-positive urines ($r = .19$)****

Social Networks

- Family strife ($r = .27$)****
- Spouse strife ($r = .27$)****
- Peer crime ($r = .32$)****
- Negative peers ($r = .29$)****

During-Treatment Indicators by CPI Scores



CPI Scores & During-Treatment Engagement

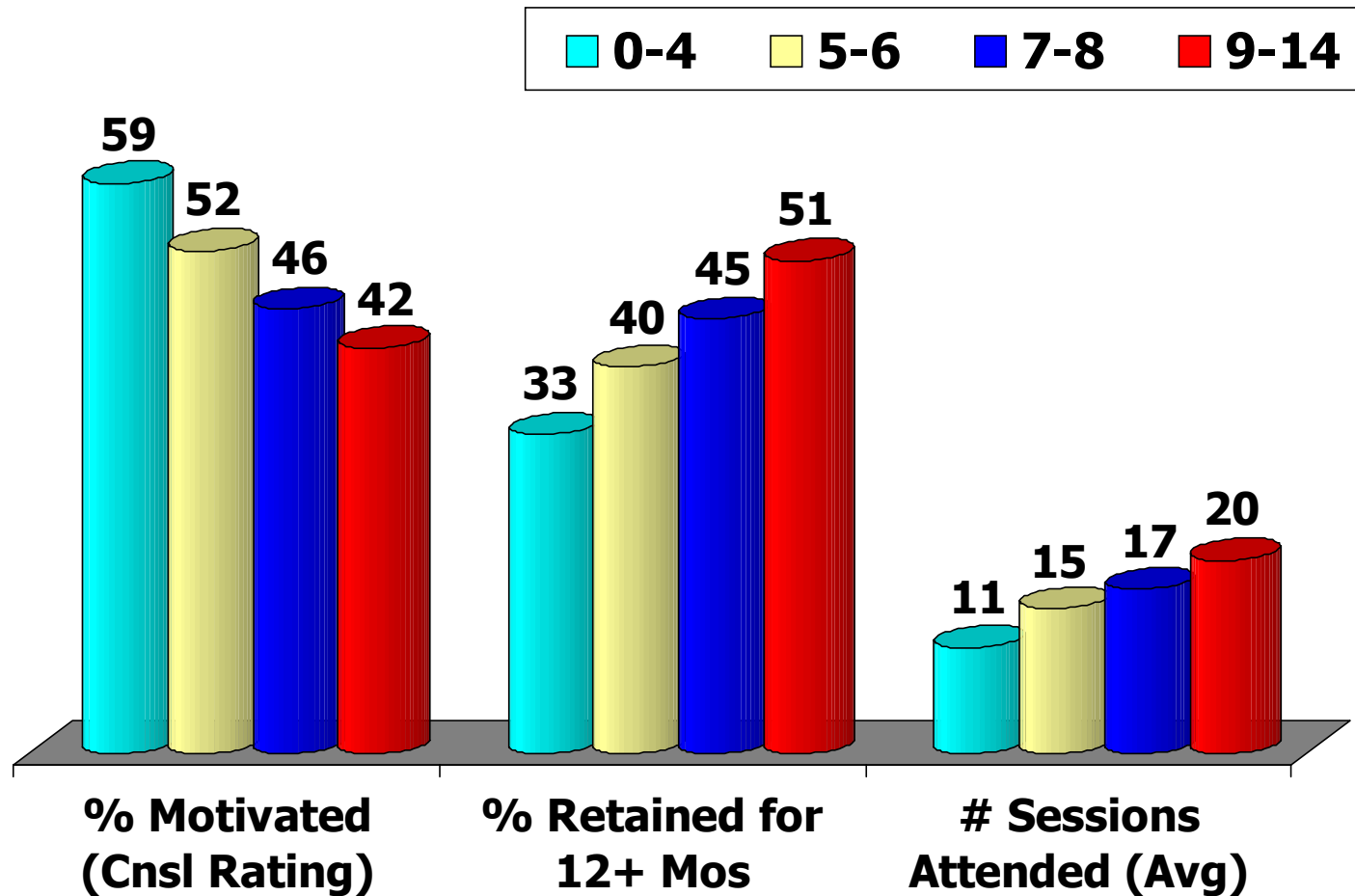
Engagement Outcomes

- Session attendance ($r = .29$)****
- Retained 12+ months ($r = .13$)**
- Lower Client Motivation rated by counselor ($r = .11$)*
- Lower Client Self Confidence rated by counselor ($r = .13$)*

Efficacy Outcomes

- Lower Self-efficacy ($r = .24$)***
- Lower Emotional Control ($r = .20$)**

Engagement Indicators by CPI Scores



CPI Scores & Post-treatment Outcomes

Alcohol and Drug Problems

- Alcohol problems ($r = .16$)*
- Cocaine use ($r = .20$)**
- Drug problems ($r = .23$ ***)

Criminality

- Illegal support ($r = .14$)*
- Arrests ($r = .13$)*

Psychological

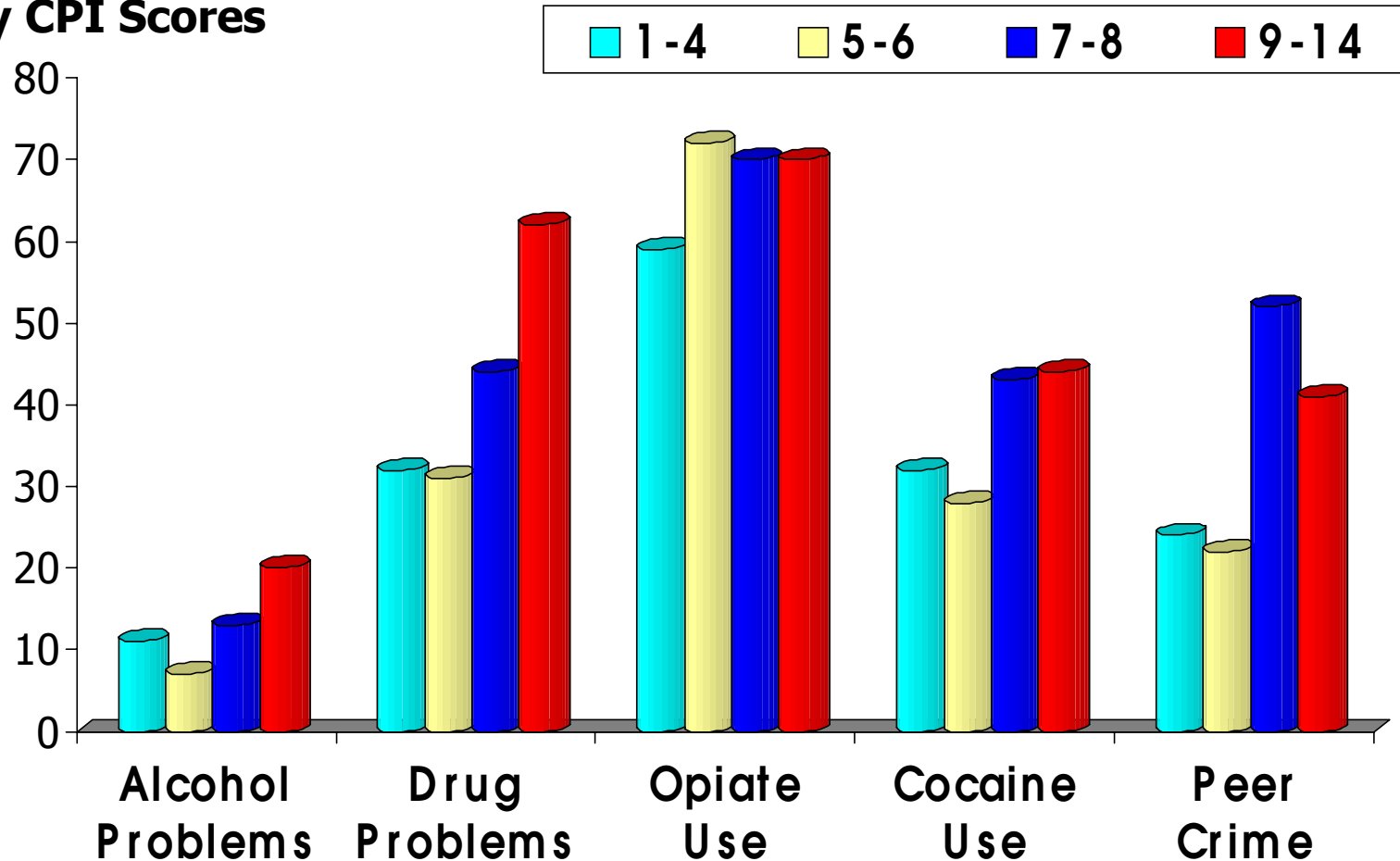
- AIDS concern ($r = .18$)**
- Psychological pathology ($r = .29$)****)

Social Networks

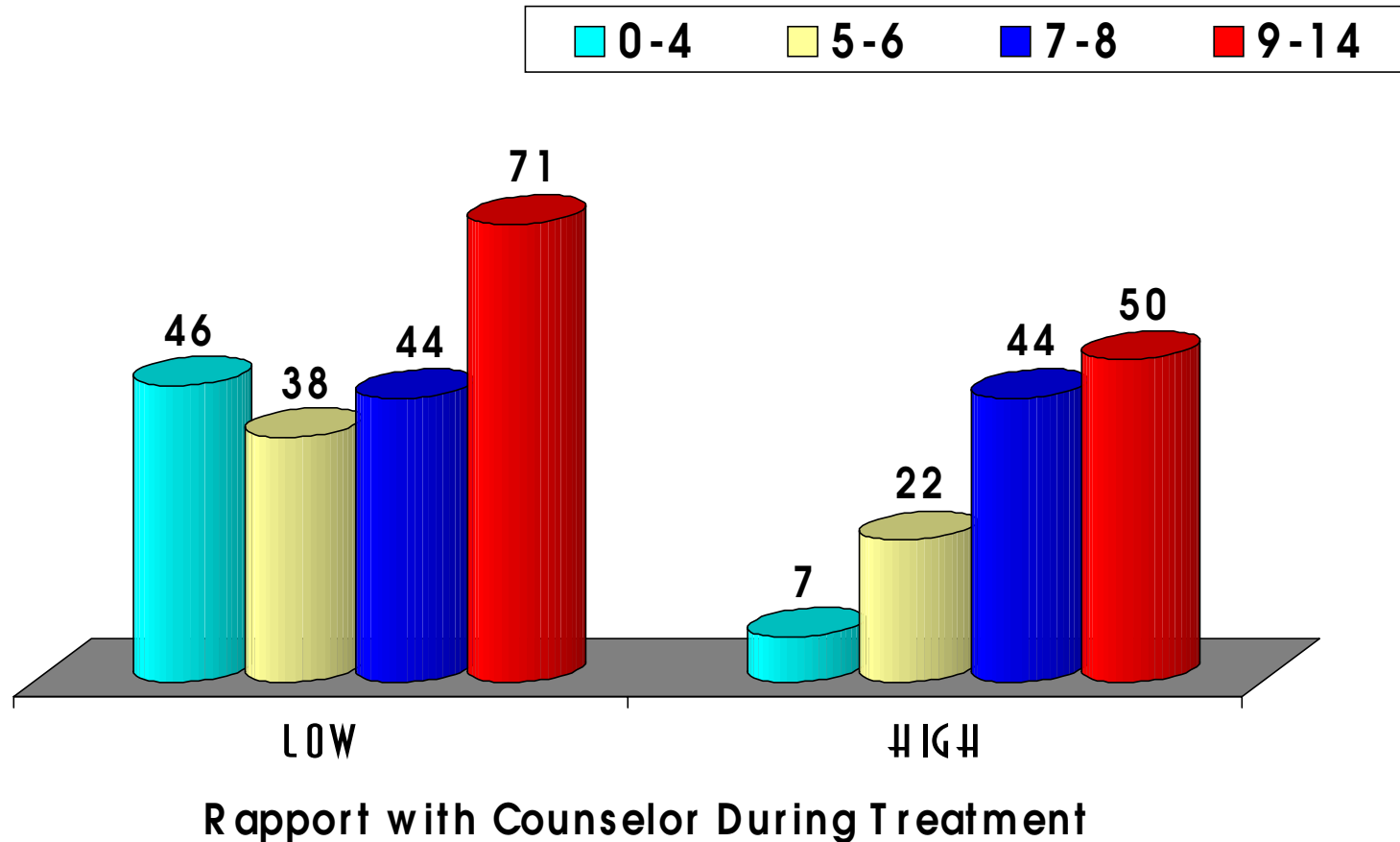
- Family strife ($r = .16$)*
- Lack of family cooperation ($r = .16$)*
- Lack of spouse cooperation ($r = .16$)*
- Peer crime ($r = .21$)**
- Negative peers ($r = .22$)**

18-Month Follow-up Outcomes

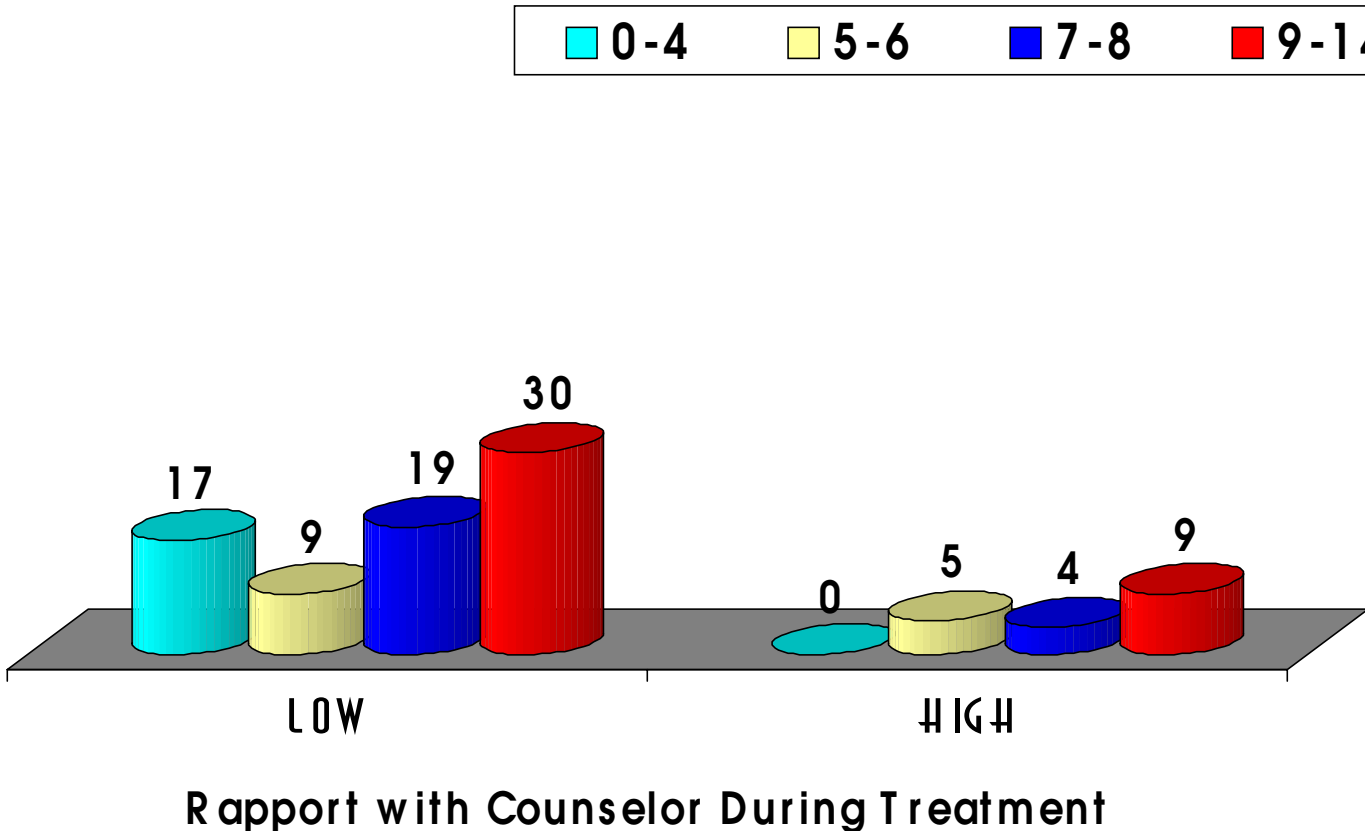
**% of Clients
by CPI Scores**



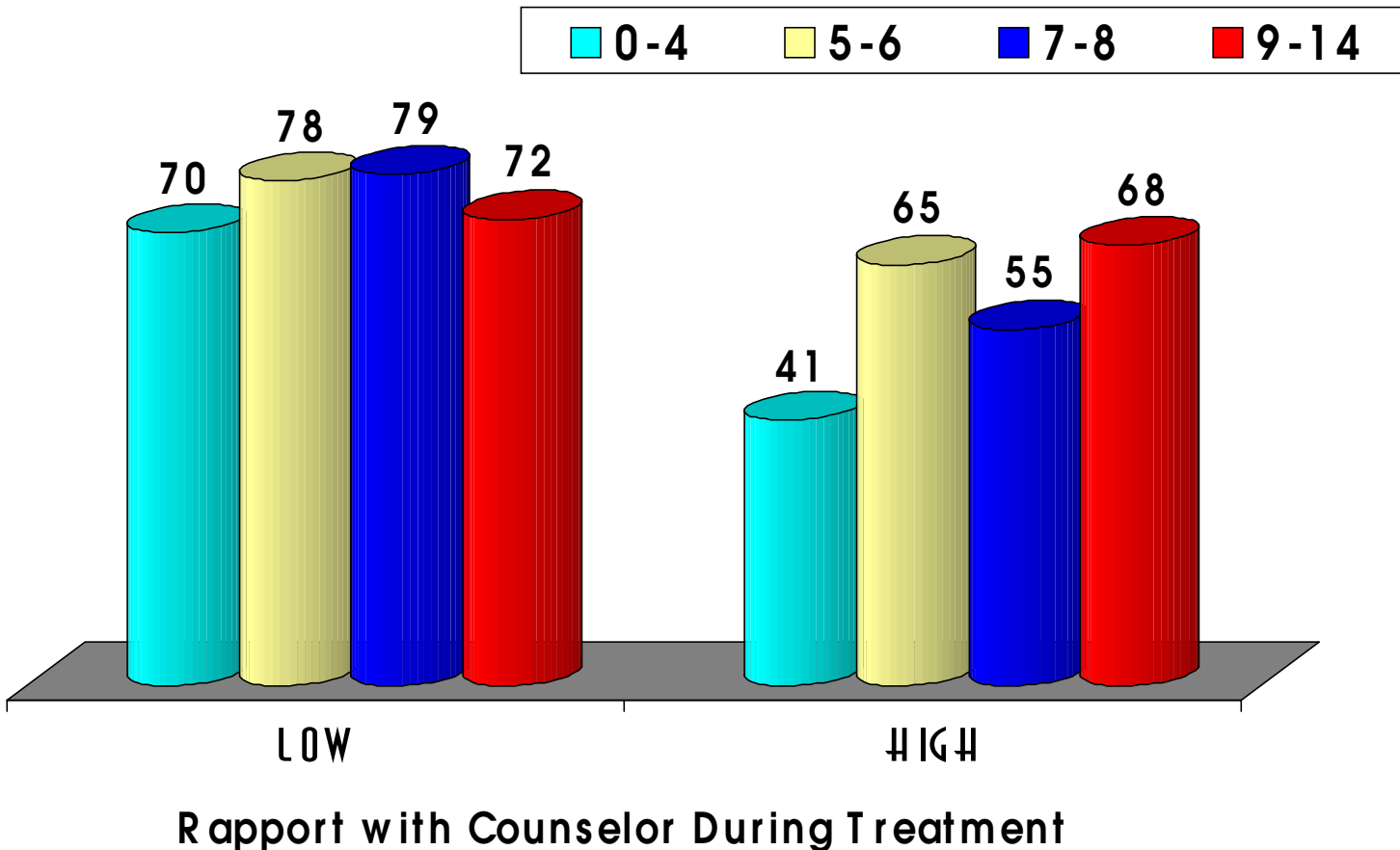
% Drug Problems at 18-Month Follow-up, by CPI Scores



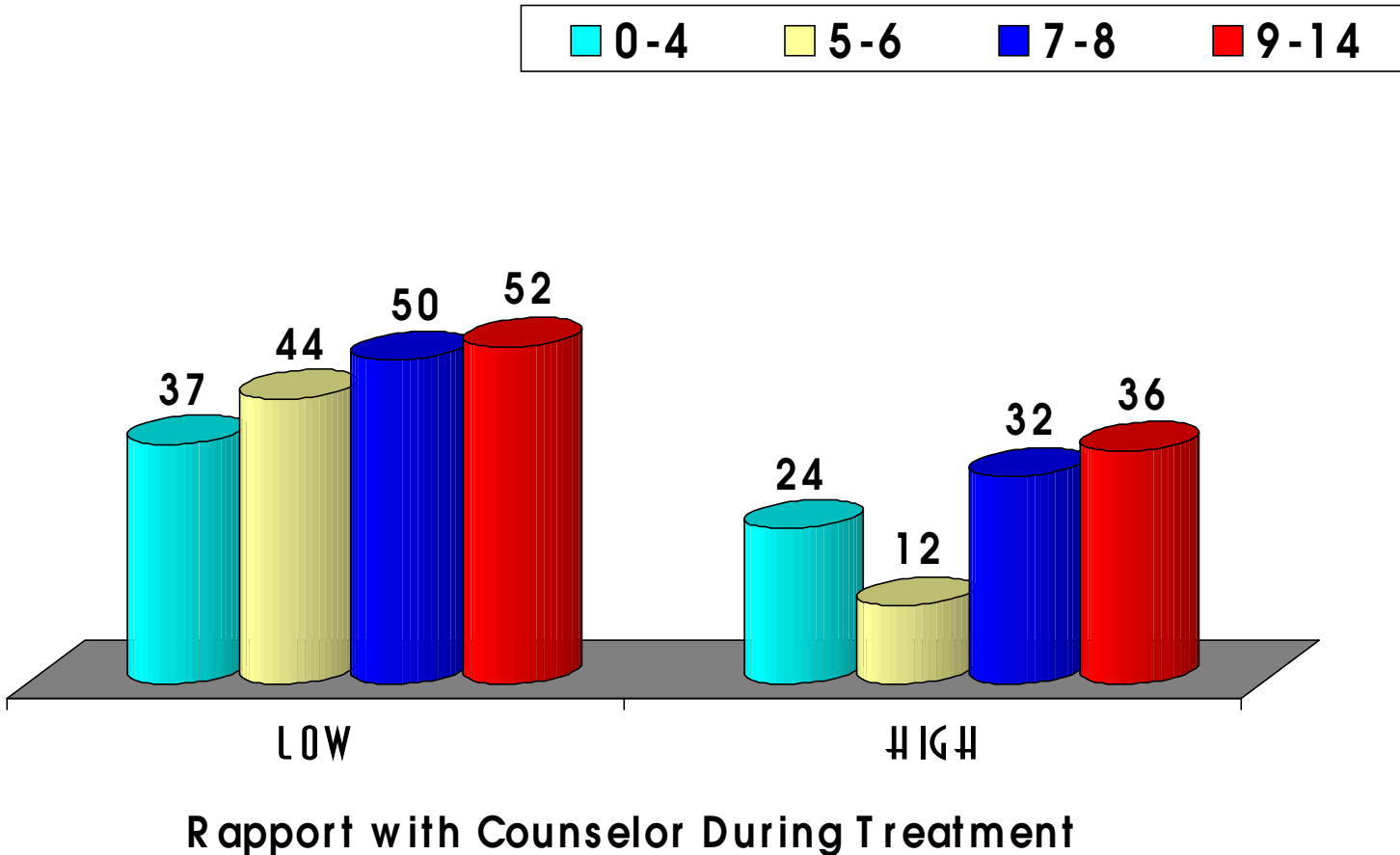
% Alcohol Problems at 18-Month Follow-up, by CPI Scores



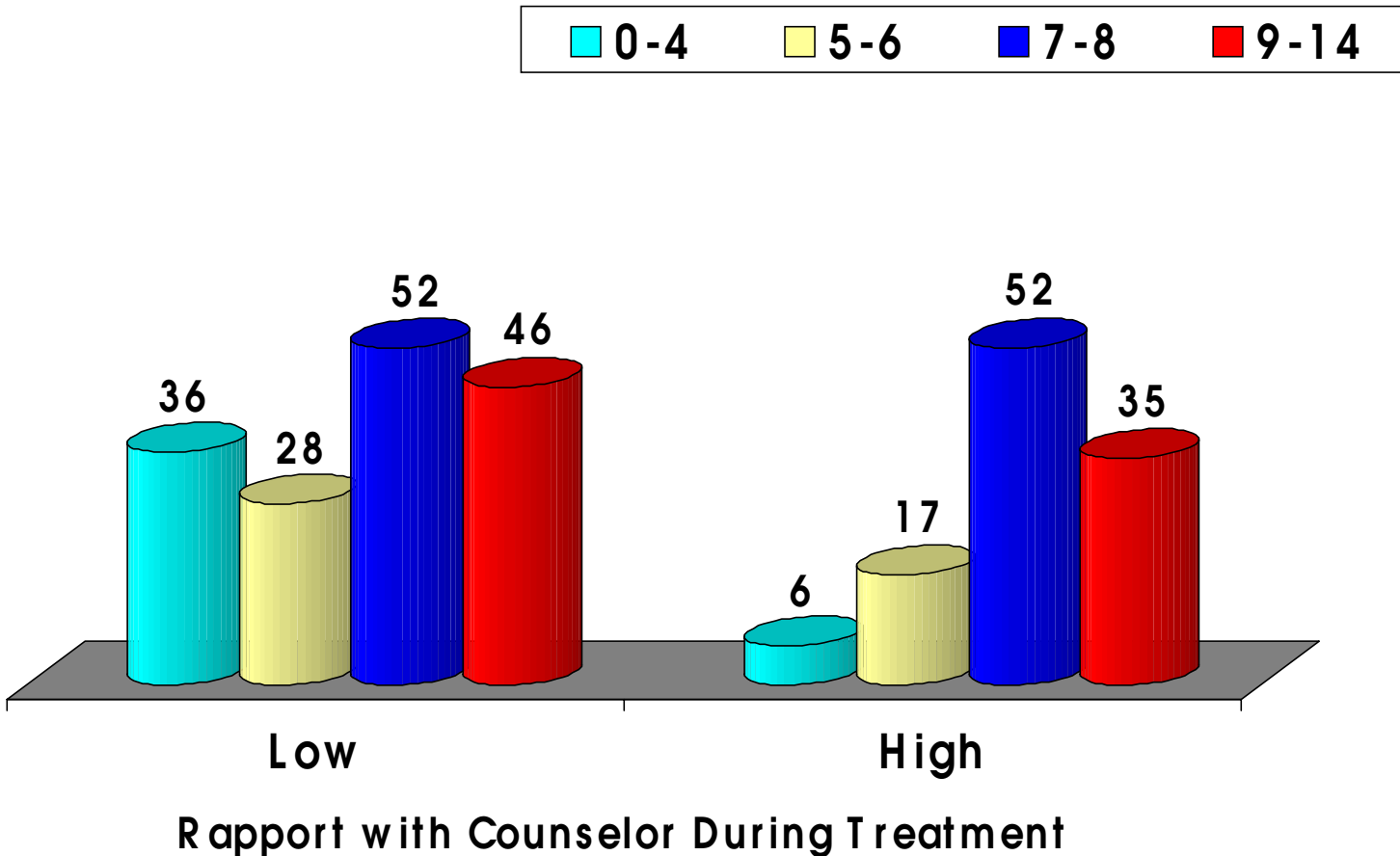
% Opiate Users at 18-Month Follow-up, by CPI Scores



% Cocaine Users at 18-Month Follow-up, by CPI Scores



% Peers in Crime at 18-Month Follow-up, by CPI Scores



Conclusions

- The **TCU Brief Intake** is a drug treatment assessment tool with favorable clinical diagnostics & psychometric properties.
- It is available in electronic form (test version), designed for on-line computer administration in counselor interviews at intake.
- It generates a **Client Problem Index (CPI)**, a 1-page summary profile of client problems in 14 domains of functioning.
- The CPI has predictive validity for during-treatment & post-treatment criteria, including.
 - ◆ drug use, psychosocial functioning, & engagement in treatment
- The **TCU Brief Intake/CPI** is a component of the TCU client assessment, intervention, & treatment monitoring system.