

**ADDICTION TREATMENT SERVICES
RESEARCH AND
CO-OCCURRING PSYCHIATRIC AND
SUBSTANCE USE DISORDERS:
NATIONAL AND STATE SYSTEMS
PERSPECTIVES**

AHSR

San Francisco, CA

30 October 2009

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**DUAL DIAGNOSIS CAPABILITY
IN ADDICTION TREATMENT:
COMBINED BASELINE AND FOLLOW-UP
DATA FROM THE
NATIONAL DDCAT COLLABORATIVE**

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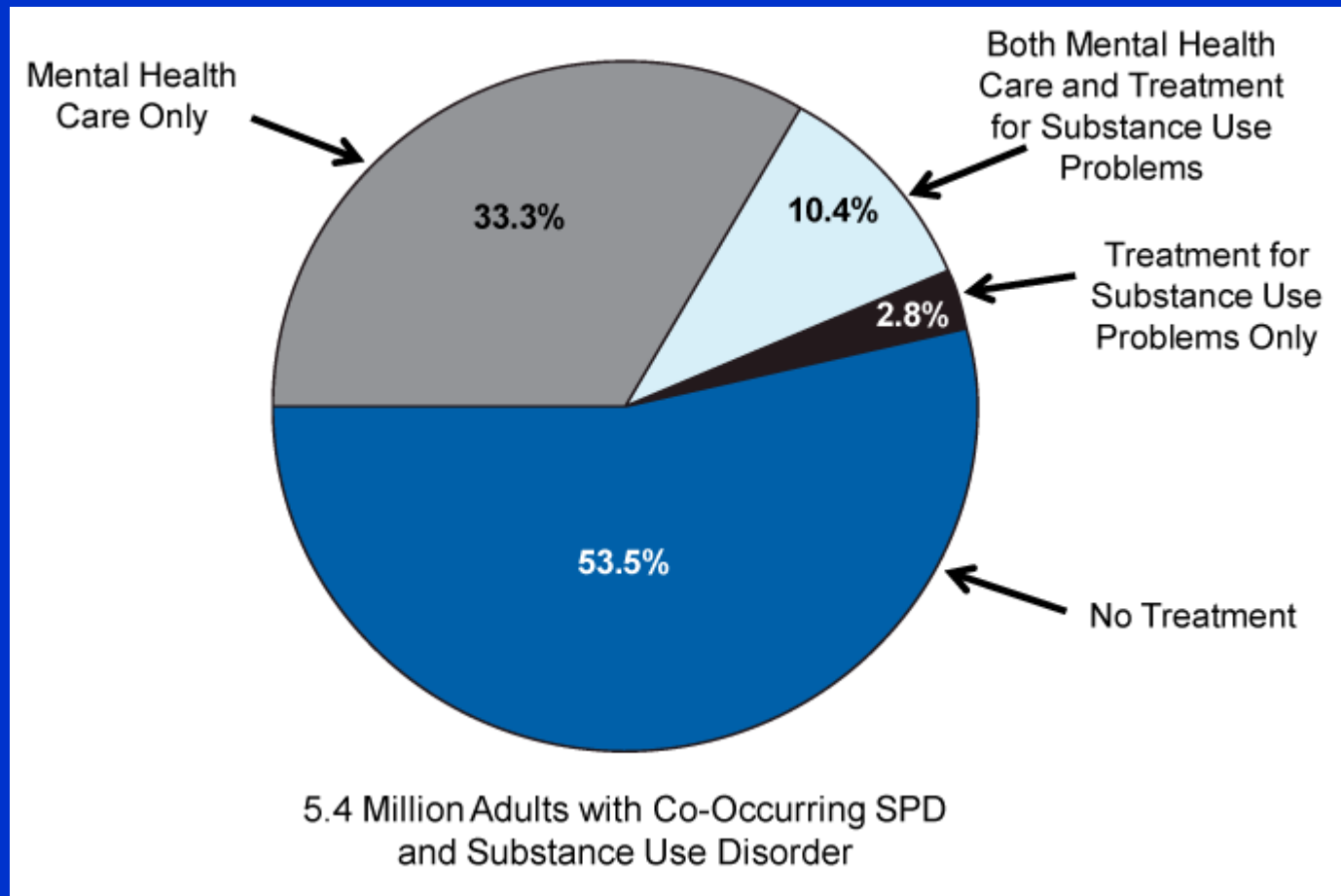
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ESTIMATES OF ADDICTION TREATMENT PROGRAMS OFFERING INTEGRATED SERVICES

Study	N of programs	Method	% offering “integrated” services
Ducharme et al (2006)	763	Interview	57.5%
Ducharme et al (2007)	754	Interview	58%
Gil-Rivas & Grella (2005)	16	Survey	67%
Knudsen et al (2004)	303	Interview	59%
McGovern et al (2006)	48	Survey	47.4%
Mojtabai (2004)	13723	Survey	49.9%
Timko et al (2005)	143-176	Survey	81-84%

PAST YEAR SERVICES USE BY ADULTS WITH CO-OCCURRING SUBSTANCE USE DISORDER AND SERIOUS PSYCHOLOGICAL DISTRESS



PROGRAM-LEVEL MEASURES OF DUAL DIAGNOSIS CAPABILITY

- **Dual Diagnosis Capability in Addiction Treatment (DDCAT) Index**
 - **Dual Diagnosis Capability in Mental Health Treatment (DDCMHT) Index**
 - **Dual Diagnosis Capability in Health Care Settings (DDCHCS) Index**
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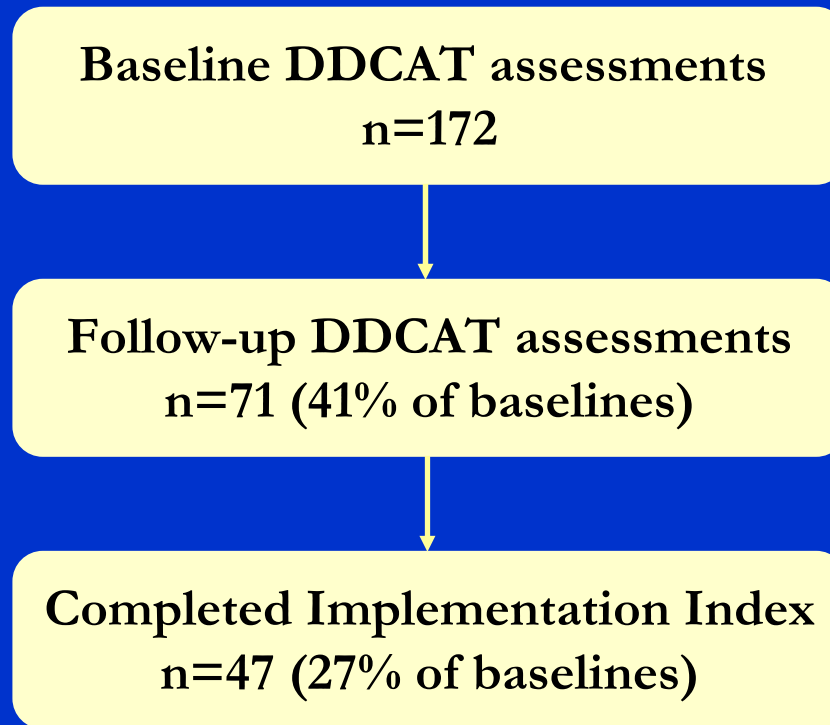
DDCAT/DDCMHT/DDCHCS METHODOLOGY

- Data collection: Site visit, interview, document review, ethnographic observation
- Ratings on 35 policy, practice and workforce benchmark items, 5-point scale
- Psychometric studies: Reliability & validity
- Based on American Society of Addiction Medicine:
Addiction Only Services (AOS)
Dual Diagnosis Capable (DDC)
Dual Diagnosis Enhanced (DDE)
- DDCAAT (2005), DDCMHT (2006), DDCHCS (2007)

DDCAT/DDCMHT COLLABORATIVE

- Representatives from 16 states
 - Voluntary, not grant supported
 - Common implementation of DDCA/T/DDCMHT measures
 - One “live” meeting; Monthly to bi-monthly conference calls (Since September 2006)
 - Focus: Strategies for assessment, quality improvement, changes to measure and materials
 - Data sharing: Baseline: 10 states; Outcome: 4 states
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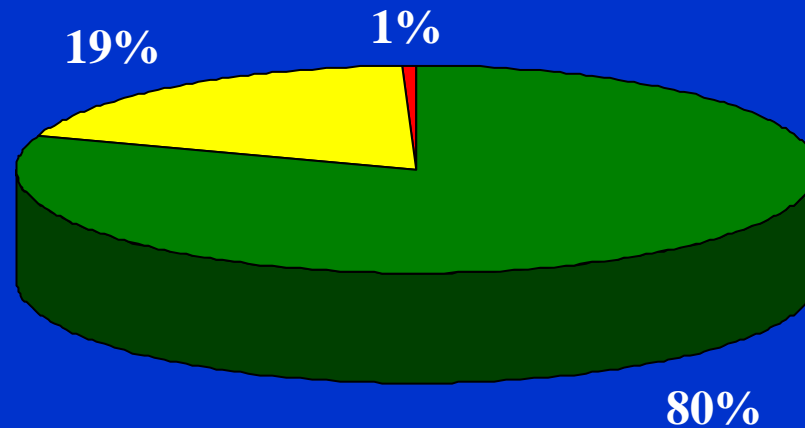
ADDICTION TREATMENT SERVICES: DDCAT DATABASE



ADDICTION TREATMENT SERVICES: PROGRAM CHARACTERISTICS (n=172)

Level of Care:	
Outpatient	88 (51.2%)
Intensive Outpatient	57 (33.1%)
Residential	70 (40.7%)
Medically Managed Intensive Inpatient	1 (0.6%)
Methadone Maintenance	8 (4.7%)
Exclusive Program Focus:	
Adolescents	18 (10.6%)
Women	27 (15.8%)
Men	12 (7.0%)

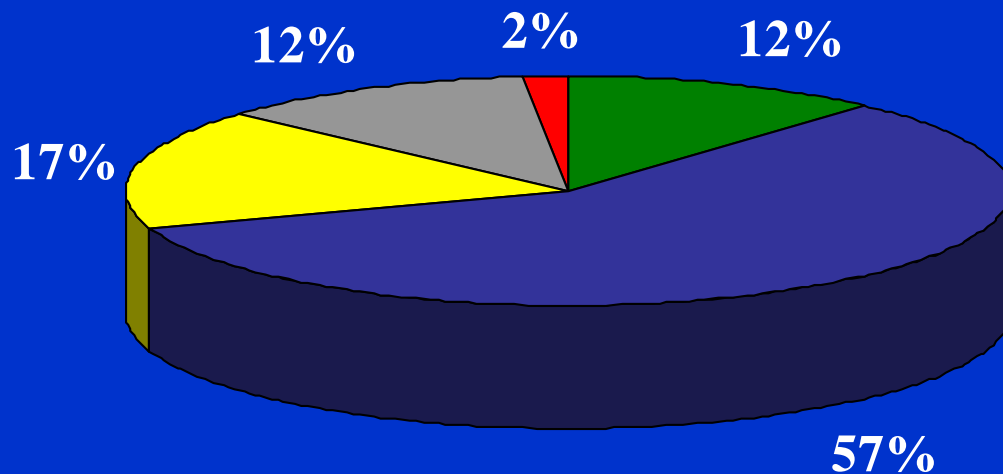
DDCAT PROGRAM CATEGORIES: TEN STATE SUMMARY (n=172)



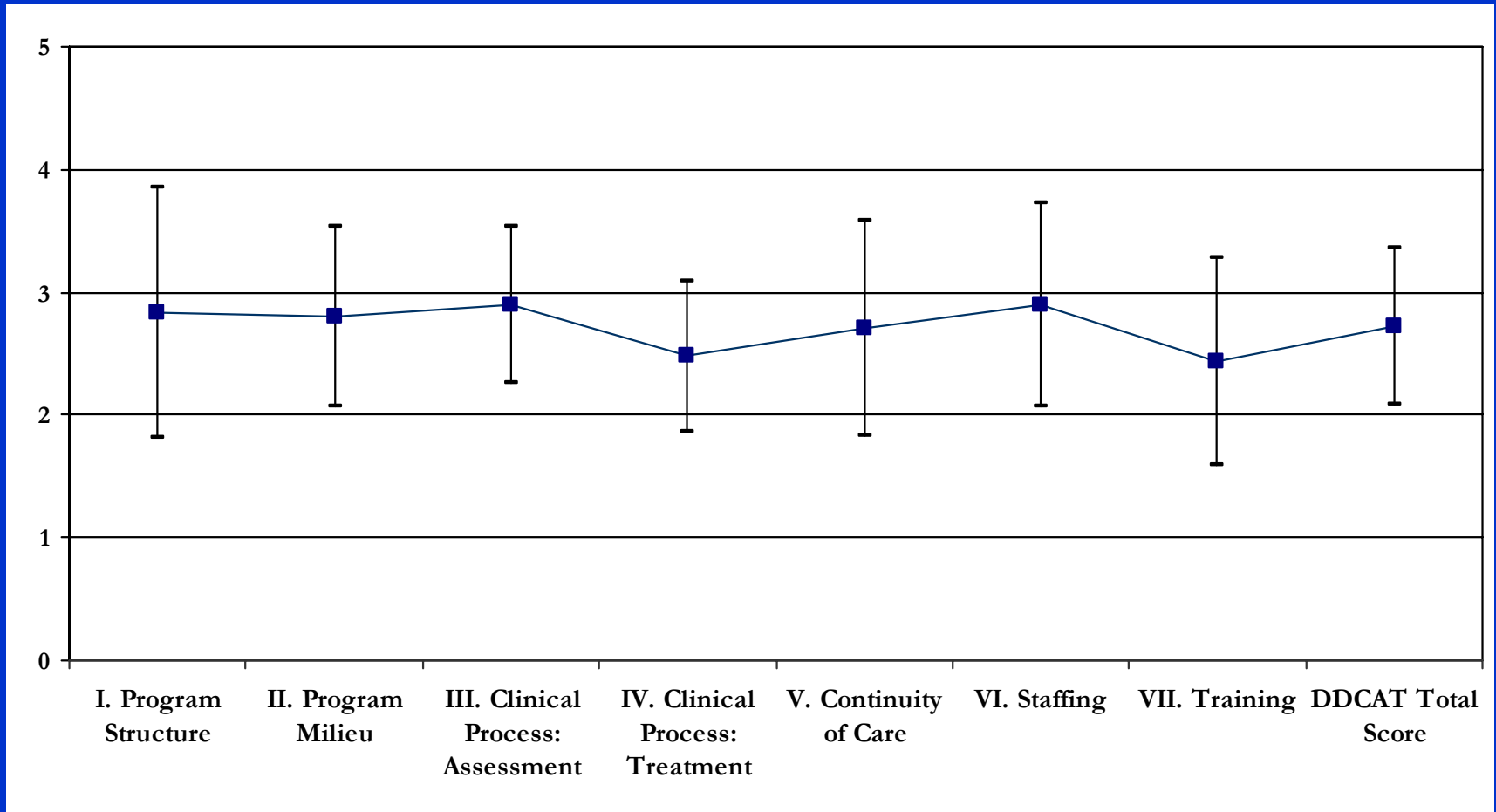
■ AOS ■ DDC ■ DDE

DDCAT PROGRAM CATEGORIES

TEN STATE SUMMARY (n=172)

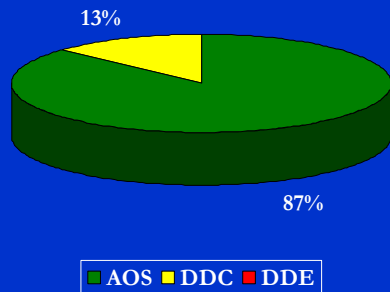


DDCAT BASELINE DIMENSION MEANS AND STANDARD DEVIATIONS (n=172)

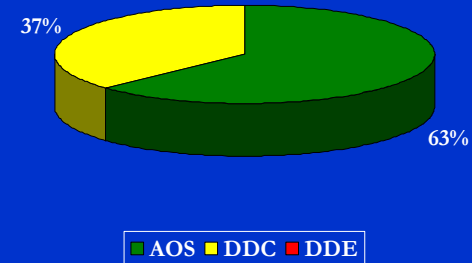


DDCAT/DDCMHT PROGRAM CATEGORIES: BASELINE AND FOLLOW-UP

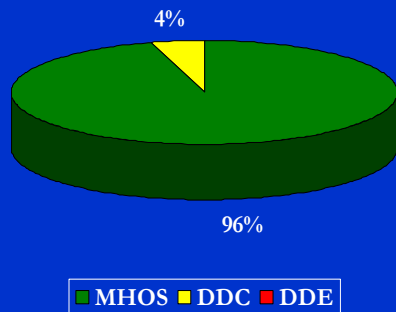
DDCAT Baseline (n=71)



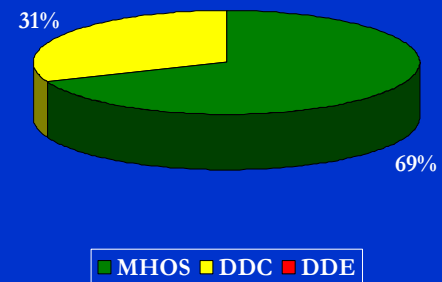
DDCAT Follow-up (n=71)



DDCMHT Baseline (n=45)



DDCMHT Follow-up (n=45)



DDCAT CHANGES BY DIMENSION (n=71)

	Baseline	Follow-up	t-value
Dimensions	Mean (sd)	Mean (sd)	
I. Program Structure	2.66 (1.06)	3.13 (0.95)	-5.48***
II. Program Milieu	2.68 (0.56)	3.30 (0.75)	-8.99***
III. Assessment	2.78 (0.65)	3.22 (0.65)	-9.07***
IV. Treatment	2.35 (0.56)	2.72 (0.57)	-7.83***
V. Continuity of care	2.61 (0.79)	2.97 (0.85)	-5.63***
VI. Staffing	2.90 (0.82)	3.21 (0.85)	-5.31***
VII. Training	2.30 (0.74)	2.78 (0.81)	-5.20***
Overall	2.61 (0.61)	3.04 (0.64)	-10.98***

***p<.001

FACTORS ASSOCIATED WITH POSITIVE CHANGE: IMPLEMENTATION INDEX (n=47)

	Mean (sd)	Pearson r
DDCAT Change Score correlation with:		
Months between T1 & T2 assessments	15.76 (7.42)	.17
Additional funding obtained from external sources	1.22 (1.55)	.00
Organizational & Contextual Total	13.74 (2.81)	.13
Implementation Strategies Total	3.59 (1.39)	.48***
Program Culture Total	9.64 (1.15)	.16
Staffing & Training Total	12.26 (3.17)	.29*
Evaluation Total	6.72 (2.52)	.48***
II Total Score	46.46 (6.84)	.42**

***p<.001

NEXT STEPS

- DDCAT Collaborative seems useful and growing as a “learning community”
 - Refinement of measure
 - Criterion-related validity study of DDCAT measure: Patient outcomes, staff knowledge & skill, services received
 - Specification and study of change strategies: NIATx approach
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