#### Evaluating Project Connect: Improving juvenile probationers' mental health & substance use service access

Larkin S. McReynolds, PhD & Gail A. Wasserman, PhD mcreynol@childpsych.columbia.edu

Research Director, Center for the Promotion of Mental Health in Juvenile Justice Columbia University, Division of Child Psychiatry/NYSPI www.promotementalhealth.org A System of Care for Children's Mental Health: Expanding the Research Base March 2, 2009 Tampa, FL

#### The Center provides

- Guidance regarding best practices for psychiatric assessment and referral to juvenile justice agencies
- Help incorporating sound assessments into practice, efficiently and safely
- To date we have provided consultation in
  - over 130 ongoing independent settings (22 states)
  - 5 active technical assistance sites (4 states)
  - sites in development in 2 states
  - active interest from sites in 2 other states
- As of 9/08, we have helped in the assessment of 17,000+ youths (since 1998)

## Research as the *bridge* between identifying a problem and its solution

#### CPMHJJ's research agenda:

- Developing and evaluating instruments that respond to the needs of the field
- Studies on prevalence of disorder and other characteristics: essential for planning
- Studies on developing and evaluating assessment/referral practices and procedures
- Studies on predictors of future JJ contact and impact of risk reduction/diversion programs

#### Learning objectives:

- To increase awareness of the substantial level of mental health and substance use need in justice system youth.
- To learn about a new intervention that increases mental health service access for juvenile probationers.
- 3. To learn the importance of expanding the evidence-base of effective programs for juvenile case management.

#### Background information

- Juvenile probation settings are under-utilized public health locations in which to identify suicidal and disordered youths and to link them to appropriate MH services.
- Probation officers function as "gatekeepers", linking youth to a range of MH and other services.
- Despite the large number of youths, their elevated risk, and their characteristically low rate of prior MH service access, procedures for identifying MH needs in youths undergoing juvenile probations intake have rarely been examined.
- Recent models of referral decision-making that consider characteristics of youths and gatekeepers have highlighted the critical role of gatekeepers' inservice and professional training (Stiffman et al., 2000).

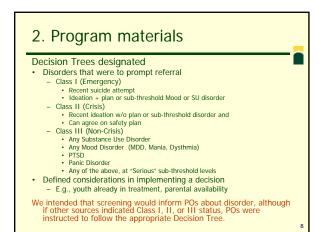
## Project Connect relies on a public health approach to mental health assessment

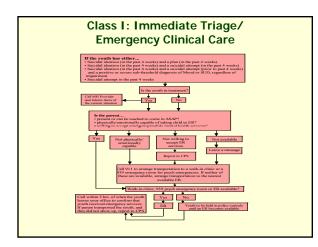
#### SAMHSA-funded demonstration project

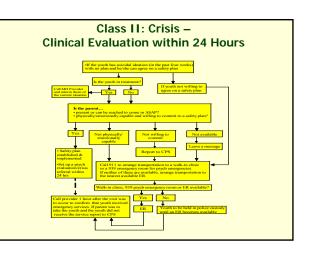
- 4 NYS counties (Albany, Broome, Onondaga, Orange)
- Clear protocols for how to move from assessments to treatment
  - Cooperative agreements: probation/mental health
     Program materials to facilitate referral
  - Decision Trees
    - Local Resource Guides
  - 3. Two-day didactic training
- Proactive case identification
  - 4. Systematic screening via sound and accurate instrument (V-DISC)
- Evaluation of impact of new procedures on practices

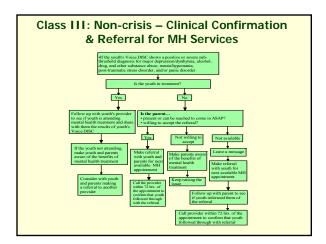


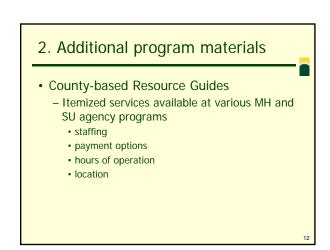
- MOU between state and local probation authorities and CPMHJJ
- County-based meetings with probation and mental health authorities (re: referring youths at varied levels of suicide risk to appropriate agencies)
  - Each county designated a 1<sup>st</sup> response program to coordinate (e.g., mobile mental health, ER)











#### 3. Training for POs

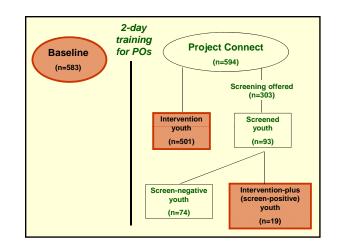
- · 2-day training in each county that covered
  - Suicidal behavior and correlated risk
  - Specific mental health disorders
  - Evidence-based treatment for those disorders
  - How to use program materials and screening results to increase linkage
  - Effective communication skills with parents and providers
  - Agreed upon referral procedures

# 4. Systematic screening via sound and accurate instrument

• After training, all new delinquent intakes were offered screening on the V-DISC

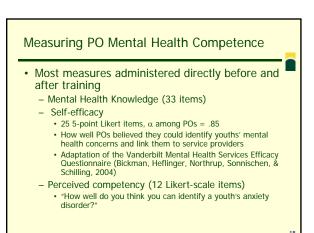
# Evaluation of new procedures on practices

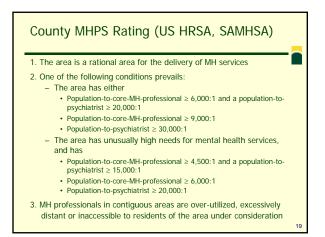
- Baseline: chart review for 3.5 months prior to each county's training date
- Intervention (approx 13 months):
- Only 1 in 6 youth agreed to screening
  - For 74 screen-neg youth "no action" was to be taken
    For 19 screen-pos youth pre-established referral protocols to be implemented
- Youth not screened still were exposed to several aspects of the intervention (e.g., cross-agency cooperative agreements, trained POs, established referral protocols)
- Accordingly, evaluation compares 3 conditions of intervention dosing: Baseline, Not screened (Intervention), and Screen-positive (Intervention-Plus) youth

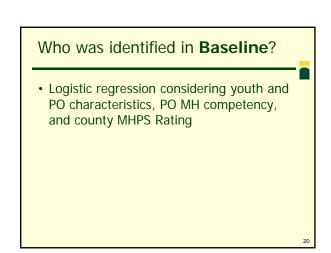


# Sample characteristics All 3 groups of youth were... mostly male (~70%) ~ 14 yrs old mostly White or African American (~ 45% each) 1/3 charged with interpersonal offenses MHPSR ranged from 10-45% Characteristics of 59 POs... primarily White (>85%) and female (>60%) ~ 39 yrs old, with 8+ yrs as a PO

41% had prior work experience in a mental health setting



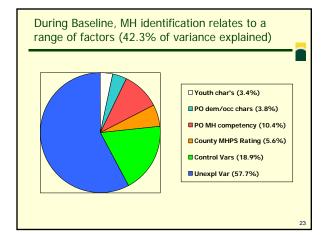


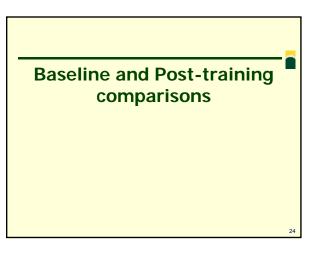


Measure	OR	Sig.	
Control variables		< .001	-
Receiving Rx at openir	ng 3.15	< .01	_
Youth characteristics		< .08	_
Repeat offend	er 2.36	< .01	-
PO characteristics		< .05	_
PO MH Competency		< .001	-
Pre PC Knowledg	ge 1.06	< .01	-
County MHPS Rating		< .001	
Partial vs. No Shortag	ge 14.1	< .001	

In Baseline, characteristics of youths, POs, and the mental health system predict identification

- Repeat offenders were almost 2.5 times as likely to be newly identified
- For every item increase in a PO's knowledge score, the youth on that PO's caseload were 6% more likely to be newly identified
- JDs in counties designated as not having a shortage of mental health professionals, compared to those in a shortage county, were more than 14 times as likely to be newly identified





22

Systematic screening significantly increased the rate				
of new MH/SU referrals, with and without screening				
	Baseline	Intervention	Intervention-plus	
Already in Tx	n=83	n=71	n=7	
Suppl. referral	60.2%	49.3%	71.4%	
No suppl. referral	39.8%	50.7%	28.6%	
Not in Tx	n=500	n=430	n=12	
New referral a, b	27.4%	21.4%	83.3%	
No referral	72.6%	78.6%	16.7%	

<sup>a</sup> Baseline vs. Intervention-plus comparison significant [ $\chi^2_{(1)} = 17.91, \underline{p} < .001$ ] <sup>b</sup> Intervention vs. Intervention-plus comparison significant [ $\chi^2_{(1)} = 25.23, \underline{p} < .001$ ]

During Intervent to implement ref			
	Baseline	Intervention	Intervention-Plus
Justice referred youth <sup>a</sup>	n=187	n=127	n=15
PO implement referral <sup>b ***</sup>	35.3%	61.4%	46.7%
PO confirm initiation <sup>b *</sup>	43.9%	60.6%	66.7%
PO confirm initiation <sup>b</sup> *	43.9%		66.7%

ſ

25

increase access to MH/SU services

<sup>a</sup> Justice referred youth received either a new or supplemental referral. <sup>b</sup> Baseline vs. Intervention comparison significant

	Baseline (n=583)	Intervention (n=501)	Intervention-Plus (n=19)
Refer for non-MH/SU services a ***	29.7%	16.2%	36.8%
MH/SU services in PO's supervision plan	\$ 31.7%	29.1%	89.5%

Intervention-Plus vs. Dasenne comparison significant
 Intervention comparison significant

Intervention and Intervention-plus youth more likely to access mental health services

	Baseline	Intervention	Intervention-plus
Justice referred youth <sup>a</sup>	n=187	n=127	n=15
Youth accessed MH/SU services	51.3%	75.6%	86.7%

<sup>a</sup> Justice referred youth received either a new or supplemental referral
 <sup>b</sup> Baseline vs. Intervention comparison significant
 <sup>c</sup> Baseline vs. Intervention-plus comparison significant

Note: The lack of difference in service access between Intervention-plus and Intervention youth likely a consequence of a "ceiling effect".

