The Pennsylvania Conference on Juvenile Justice - 2013

Juvenile Justice Evidence-Based Practices – 101

Achieving our Balanced & Restorative Justice Mission Through Evidence-Based Policy & Practice

November 7, 2013

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Today's Agenda

- The Juvenile Justice System Enhancement Strategy (JJSES) and EBP –
 What is the connection?
- EBP The Basics
- The Four Basic Principles of EBP
- ✓ Risk
- ✓ Need
- ✓ Responsivity
- ✓ Treatment
- Top Ten "Never Events"

History of JJSES

- Concept of JJSES "born" in June 2010
 at JCJC/Chiefs Annual Strategic Planning Meeting
- Designed to organize / sustain "lessons learned" from Models for Change
- Leadership Team created

Keith Snyder, Coordinator (JCJC)

Bob Stanzione (Bucks)

Bob Williams (Berks)

Beth Fritz (Lehigh)

Sam Miller (Cumberland)

Russ Carlino (Allegheny)

Bob Tomassini (Adams)

Rick Steele (JCJC)

Mike Pennington (PCCD)

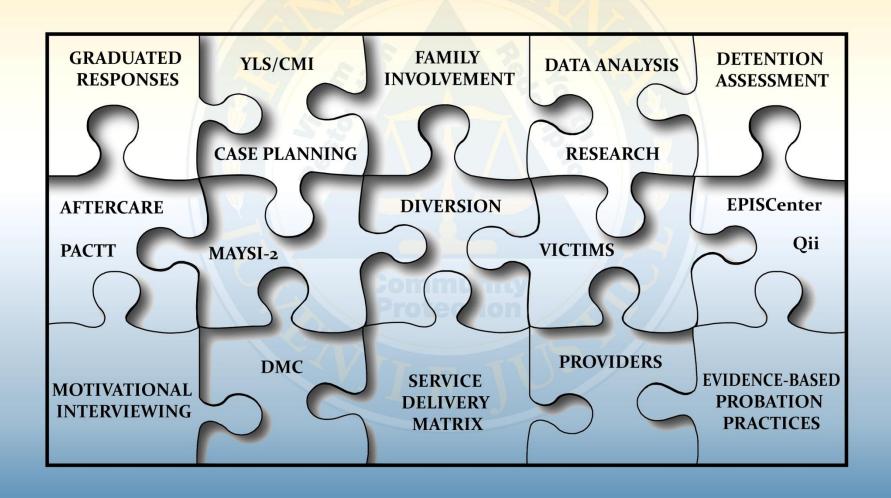
"Statement of Purpose" developed

JJSES Statement of Purpose

We dedicate ourselves to working in partnership to enhance the capacity of Pennsylvania's juvenile justice system to achieve its balanced and restorative justice mission by:

- •Employing evidence-based practices, with fidelity, at every stage of the juvenile justice process;
- •Collecting and analyzing the data necessary to measure the results of these efforts; and, with this knowledge,
- •Striving to continuously improve the quality of our decisions, services and programs.

Elements of Pennsylvania's Models for Change Initiatives



Statement of Purpose Endorsements

- Juvenile Court Judges' Commission (JCJC)
- Juvenile Court Section of the Pa. Conference of State
 Trial Judges
- Pa. Council of Chief Juvenile Probation Officers
- Juvenile Justice and Delinquency Prevention Committee of the Pa. Commission on Crime and Delinquency
- County Juvenile Court/Probation Departments
- Service Provider Organizations and agencies

Evidence-Based Practices (EBP) Introduction

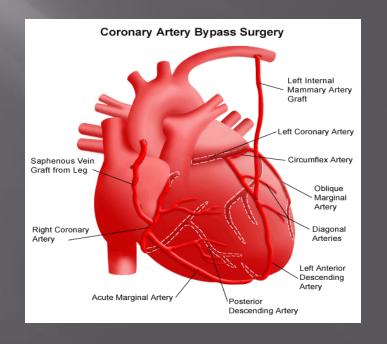
The Science of Risk Reduction

Risk Reduction

How willing
 are you to use
 an intervention
 that produces a
 3% risk
 reduction?



What if it
 produced a 15%
 risk reduction?



WHAT ABOUT A 30%RISK REDUCTION?



Research Indicates That we can Achieve a 30% Reduction in Recidivism

How significant is this number?

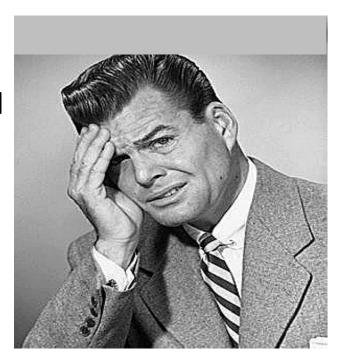
What Does 30% Reduction Look Like?

Out of 1,000 juveniles in the court system

	Very High Risk Juveniles	Moderately High Risk	Low Risk Juveniles
If you	Odvernies	Juveniles	
Do nothing	At 90% likelihood of reoffense 900 will reoffend	At 50% likelihood of reoffense 500 will reoffend	At 10% likelihood of reoffense 100 will reoffend
Achieve a 30% reduction in reoffense	630 will reoffend	350 will reoffend	70 will reoffend
Fewer victims (assuming one victim/offense)	270	150	30

WHY HAS TRADITIONAL JUSTICE SYSTEM BEEN INEFFECTIVE?

- We are giving too much attention to the low risk and too little to the high risk
- 2. Have not applied research knowledge to practices or applied them with fidelity
- 3. The system is not in alignment
- 4. Workloads are too high; overwhelmed with conditions
- Concerns around lawsuits and public pressure (CYA)
- 6. We are focusing on the wrong issues



Top Four Dynamic Risk Factors	Other Risk Factors	Non-Criminogenic
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.
		5.

Family issues (lack of support or accountability)	Leisure (lack of appropriate recreational outlets)	Health issues (poor physical health)
Self esteem (low)	Intelligence (low IQ)	Mental Health (poor mental health and/or mental illness)
Substance abuse	Employment (lack of success	
	at work; little desire to work)	Companions (hanging around
Personal distress (anxiety,		peers who get in trouble)
etc)	Education (lack of success at	
	school; little desire for school)	Thinking/Beliefs (having
Skill Deficits or Temperament		antisocial attitudes)
(eg, poor impulse control, poor problem solving)		

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Top Four Dynamic Risk Factors	Other Risk Factors	Non-Criminogenic
 Anti-Social Thinking Antisocial Peers Skill Deficits/Temper. Family Issues 	 1. 2. 3. 4. 	 1. 2. 3. 4. 5.

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poor problem solving)		
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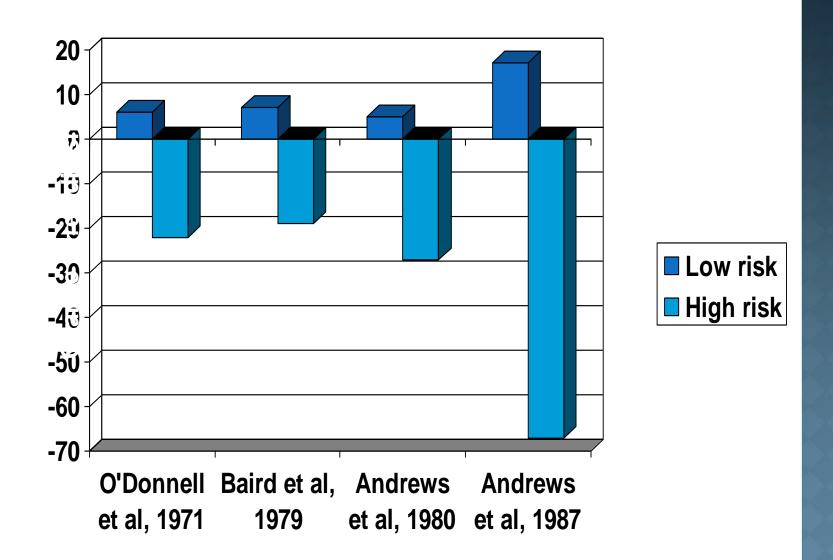
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Top Four Dynamic Risk Factors	Other Risk Factors	Non-Criminogenic
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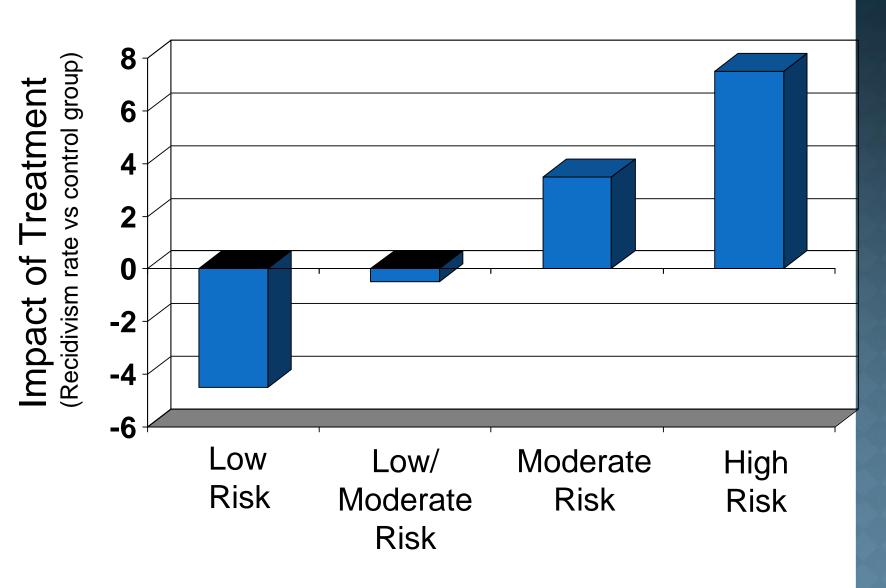
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(eg, poor impulse control,		
poor problem solving)		
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WHAT HAPPENS WHEN APPLY INTENSIVE TREATMENT TO HIGH AND LOW RISK POPULATIONS?



THE IMPACT OF TREATMENT BY RISK



Source: Christopher T. Lowenkamp, Christopher and Edward Latessa, University of Cincinnati, Center for Criminal Justice Research, Evaluation of Ohio's Community Based Correctional Facilities and Halfway House Programs (2002).

TRAVIS CO., TEXAS: IMPACT OF SUPERVISION BY RISK

Risk Level	% Rearrest		% Change
	Pre-TCIS 1/06-6/06 N = 1287	Post-TCIS 7/07-10/07 N = 614	in Rate
Low	26%	6%	-77%
Medium	26%	13%	-50%
High	34%	31%	-9%
Overall	29%	24%	-17%

EXAMPLE WHAT DO WE FOCUS ON?

Motivation
Scars/tattoos Race/ethnicity
Age
Past supervision
Self esteem
Gender
Military record
Substance abuse

Amount of support
Current emotional disposition
Employment history

Military record
Parental influence
Degree of deference
Verbal intelligence

Height/weight Prior record Physical health Verbai Intelligence

Educational achievement

Previous treatments IQ Medications

Poor self control Neighborhood Previous abuse history

Mental health Siblings Prior successes Finances

Prior failures Instigator/follower

Peers Nationality Family name Attitude/beliefs

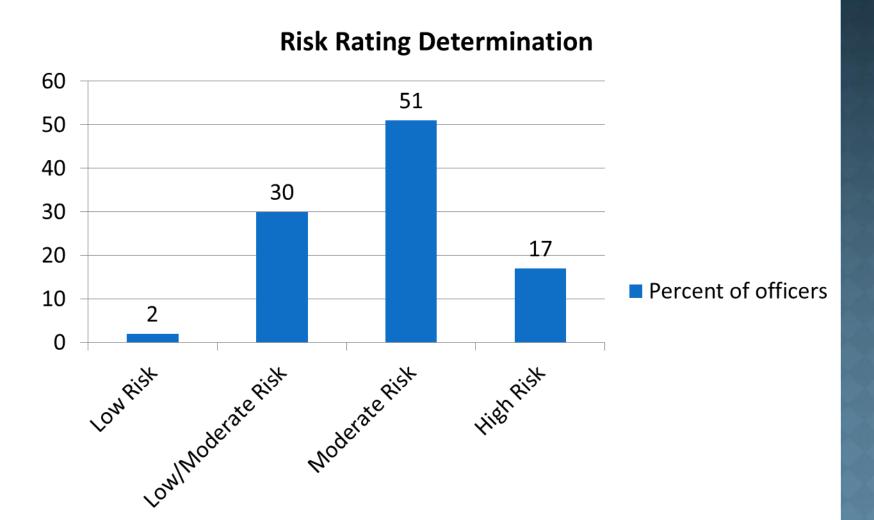
Level of violence

U.S. PROBATION PROFESSIONAL JUDGMENT VS. ASSESSMENT TOOL

- 1,087 officers observed a case vignette and identified risk
- Then trained on the risk assessment tool and assessed the case

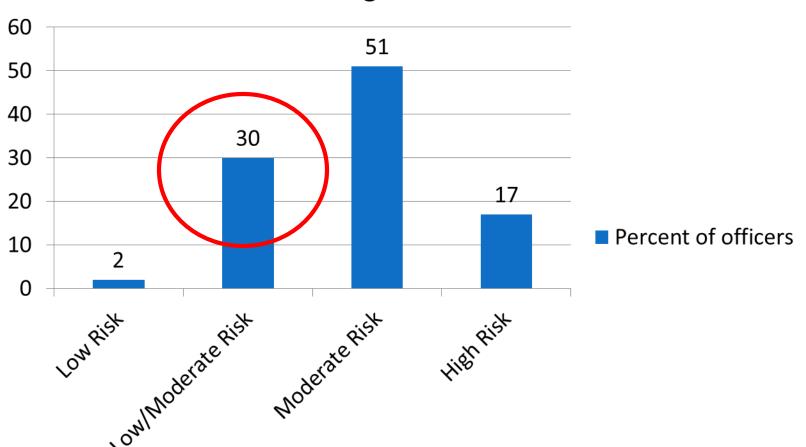
Source: Training to See Risk: Measuring the Accuracy of Clinical and Actuarial Risk Assessments Among Federal Probation Officers, by J. C. Oleson, Scott VanBenschoten, Charles Robinson, and Christopher Lowenkamp,, Federal Probation, Volume 75, Number 2, pages 52-56, September 2011

OFFICER RATINGS OF OFFENDER



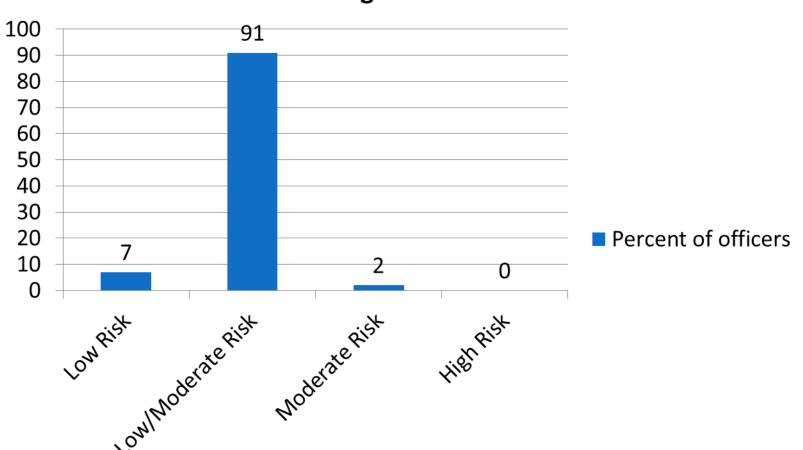
ACTUAL RISK BASED ON THE PCRA RISK ASSESSMENT TOOL

Risk Rating Determination



ASSESSMENT DETERMINATION AFTER TRAINED ON THE PCRA ASSESSMENT





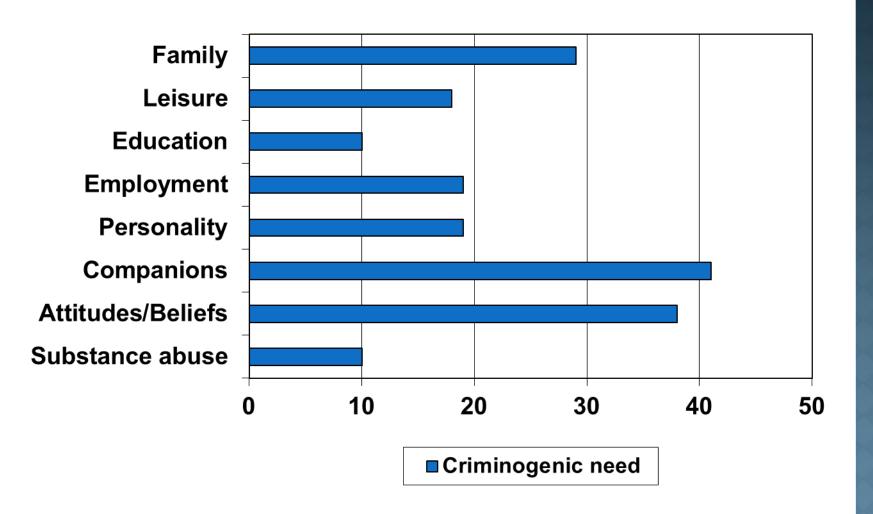
A Balanced, Reasoned Approach

- Risk Management (low risk)
 - Least restrictive, most appropriate
- Risk Reduction (moderate-high risk)
 - Address criminogenic needs
- Risk Control (extreme high risk)
 - Control risk of reoffending while under correctional authority

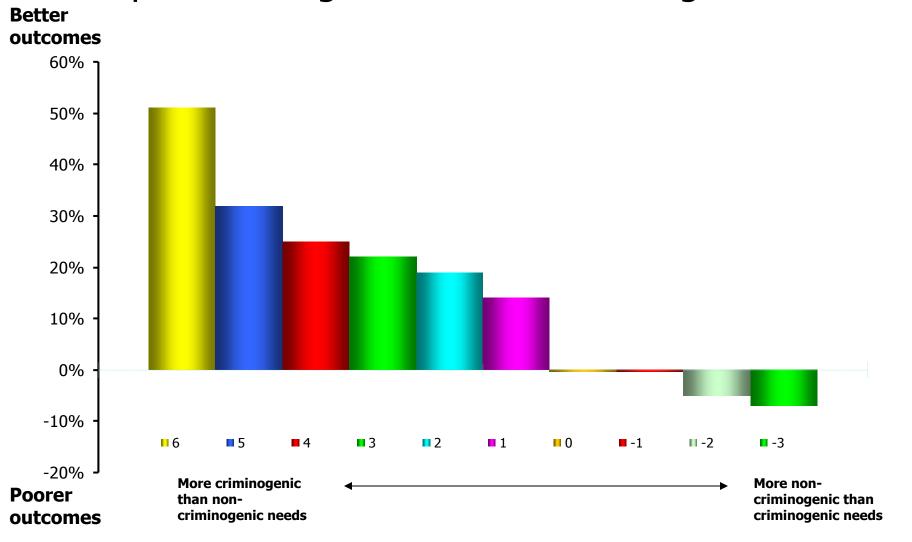
THE BIG THREE



EXAMPLE: RISK SCORE



Recidivism Reductions as a Function of Targeting Multiple Criminogenic vs. Non-Criminogenic Needs*



Impact of Supervision by Risk

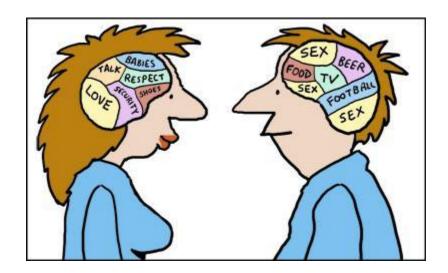
Risk Level	% Re	% Change	
	Pre-TCIS	Post-TCIS	in Rate
	1/06-6/06 N = 1287	7/07-10/07 N = 614	
	N = 1201	N = 014	
Low	26%	6%	-77%
Medium	26%	13%	-50%
High	34%	31%	-9%
Overall	29%	24%	-17%

A CLOSER EXAMINATION OF RESPONSIVITY

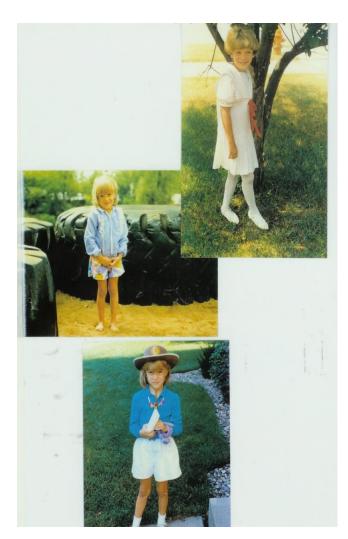


RESPONSIVITY PRINCIPLE

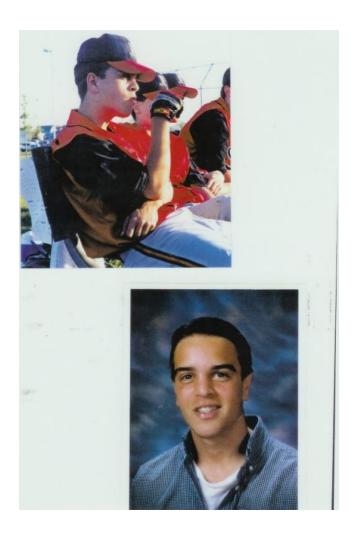
 Styles and modes of service must be matched to the learning styles and abilities of the offender



SON AND DAUGHTER DIFFERENCES



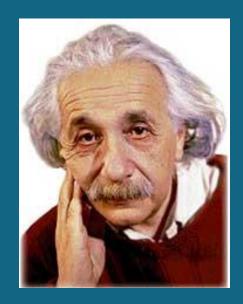




RESPONSIVITY PRINCIPLE



Motivation



Intelligence and Learning Style



Gender



Age (Developmental)



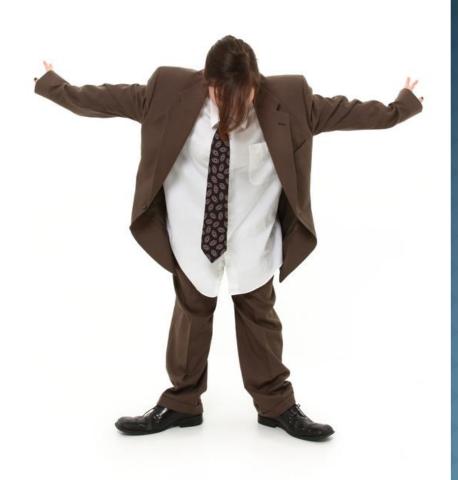
Mental Health



Culture

PROSECUTOR BRAD BERRY YAMHILL COUNTY, OREGON

"If we adopt a one size fits all we end up with everyone wearing a suit that doesn't fit"





Responsivity

- Identifies what modes and styles of services are appropriate for each juvenile.
- Involves at least two components
 - Matching style and mode of program to the learning styles and abilities of the offender
 - Matching the personnel delivering the service to the individual

Responsivity Importance

Reminder:

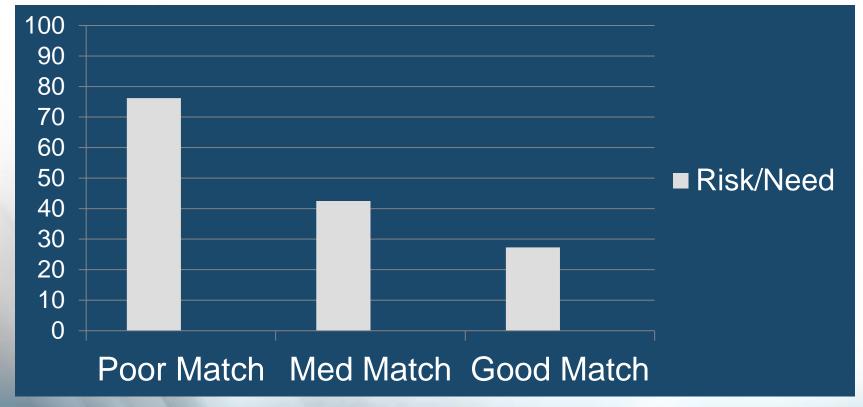
Average recidivism reduction/gain

- -Inappropriate treatment -.06
- -Appropriate treatment .30

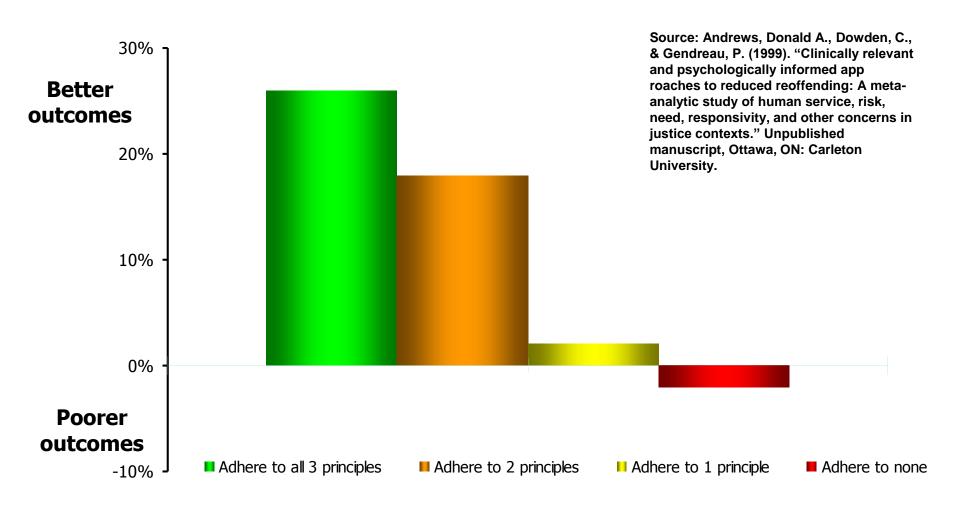
(Andrews & Bonta, 2007; Cullen & Gendreau, 2000).

Impact of Matching the Right Youth to the Right Services (Vieira et al., 2009)





The Guideposts: Impact of Adhering to the Core Principles of Effective Intervention: Risk, Needs, and Responsivity



The Last Principle - Treatment

- Some programs work, some don't
- The ones that work only work when the intervention is applied correctly
- The programs that work do not work 100% of the time

EXERCISE: SELECT THE MOST EFFECTIVE PROGRAMS

- On the following table, select the interventions that
 - do not reduce recidivism (and can do harm)
 - those that modestly work
 - those that work best

- Studies include juvenile and adult; results are similar. In only one category do the studies only include juvenile studies (family)
- Only more recent studies used (from 1990 to 2007)

Source: The Effectiveness of Correctional Rehabilitation: A Review of Systematic Reviews; Lipsey and Cullen, Annual Rev. Law Soc. Sci. 2007. 3:297-320

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps			
Confinement			
Cognitive Behavioral Programming			
Drug Courts			
Drug Treatment			
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement			
Cognitive Behavioral Programming			
Drug Courts			
Drug Treatment			
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			
Drug Courts			
Drug Treatment			
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts			
Drug Treatment			
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment			
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment			
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

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Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment		0 to -20%	
Family Related			
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

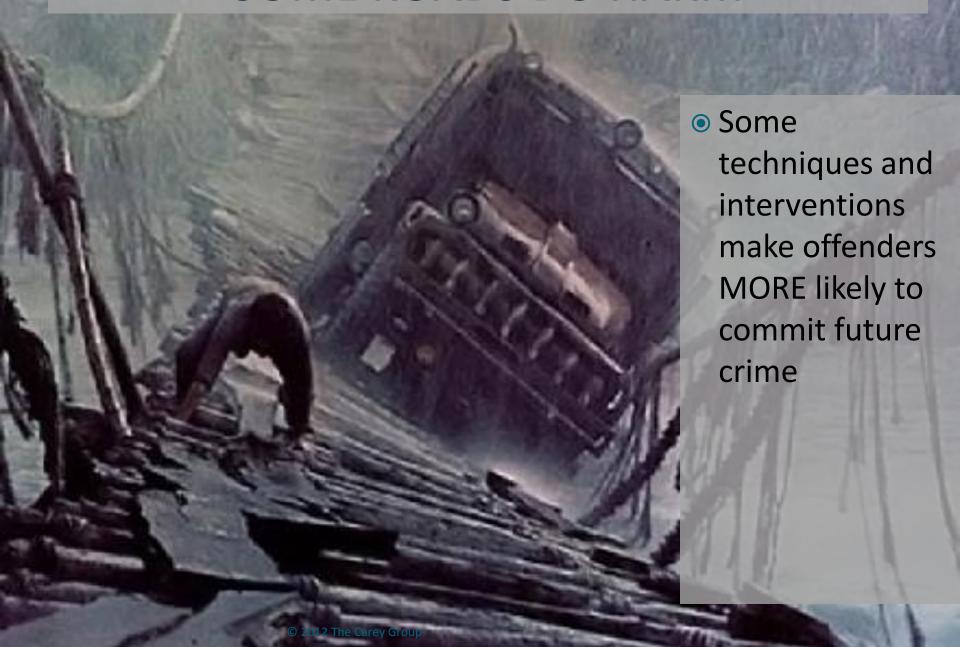
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Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment		0 to -20%	
Family Related			-16 to -52%
Intermediate Sanctions			
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment		0 to -20%	
Family Related			-16 to -52%
Intermediate Sanctions	+26% to -2		
Social Learning and Behavioral Treatment			
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment		0 to -20%	
Family Related			-16 to -52%
Intermediate Sanctions	+26% to -2		
Social Learning and Behavioral Treatment			-4 to -60%
Sex Offender Treatment			

Intervention	Do not reduce recidivism (and can do harm)	Modestly work (up to 24% reduction)	Work best (up to 60% reduction)
Boot Camps	+10% to 0		
Confinement	+14% to 0		
Cognitive Behavioral Programming			-4 to -60%
Drug Courts		-8 to -24%	
Drug Treatment		-4 to -20%	
Education/Employment		0 to -20%	
Family Related			-16 to -52%
Intermediate Sanctions	+26% to -2		
Social Learning and Behavioral Treatment			-4 to -60%
Sex Offender Treatment			-12 to -46%

SOME ROADS DO HARM





INAPPROPRIATE TREATMENT IMPACT ON RECIDIVISM

INAPPROPRIATE TREATMENT? - .06 (38 tests)

Potential Examples:

- One size fits all
- DV perpetrators all get same 52 week program
- All offenders with a drug history go to a program
- Placing anxiety disordered person in group sessions
- Placing learning disabled into programs that require verbal or written acuity

The literature on responsivity is consistent on the importance of matching. However, the amount of evidence on responsivity is lower than the risk and need principles. More studies are needed. Source: Andrews, D.A. & Bonta, J. (2006) *The Psychology of Criminal Conduct* (4th Ed.), Newark, NJ; Anderson.

SURVEILLANCE TECHNIQUES ALONE

ISP'S?

-.07 (47 tests)

 Studies on ISP have yielded consistent results. ISP without treatment provides a short term suppression effect only. ISP with treatment can yield positive long term results

Source: Andrews, D.A. & Bonta, J. (2006) *The Psychology of Criminal Conduct* (4th Ed.), Newark, NJ; Anderson.



SOME ROADS LEAD TO POOR OUTCOMES



Some
 techniques and
 interventions
 just don't work
 for the vast
 majority of
 offenders

For Deterrence Theory to Work, the Offender Must...

- Be aware of the sanction
- Perceive it as unpleasant
- Weigh the costs and benefits
- Assess the risk
- Make a rational choice

Yet Many Chronic Juvenile Offenders are/have....

- Impulsive
- Short term perspective
- Disorganized
- Failed in school, jobs, etc.
- Distorted thinking
- Hang around with others like themselves
- Drugs and alcohol use clouds their thinking, or only concern is with getting the next high
- Don't perceive incarceration as unpleasant
- Expect that this is their lot in life....or
- Don't think they will get caught

What tends to "not work" in reducing recidivism?

Drug prevention Non-action classes focused on oriented group counseling fear or Bibliotherapy emotional appeal I was STUPID I drove over 10 and got caught. Drug education programs Insight I could have Killed programs © 2012 The Carey Group

PROGRAMS DESIGNED TO CONTROL

Military models of discipline and physical fitness: boot camps

Nontherapeutic day reporting centers

Physical challenge programs

Electronic monitoring

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FOUR SKILL SETS REQUIRED



What is the Potential?

APPROPRIATE TREATMENT

.30 (54 tests)

The literature varies considerably on effect size. The bottom line is that the research on appropriate treatment consistently yields positive results, ranging from mild (7-10%) to significant (30+%).

The meta-analysis tends to focus on specific interventions such as CBT or incarceration as opposed to system wide efforts. There are no significant studies on system wide reductions. To get a 30% reduction across a system, it requires trained staff, system collaboration, quality assurance, and adherence to the core ebp principles.

Source: Andrews, D.A. & Bonta, J. (2006) *The Psychology of Criminal Conduct* (4th Ed.), Newark, NJ; Anderson.

WHAT DOES WORK TO REDUCE RECIDIVISM



Programs that:

- Focus on criminogenic needs (especially top four)
- Match right offender to right program
- Use a cognitive behavioral approach
- Use positive reinforcements
- Seek right levels of dosage/intensity

Intervention Guidelines for Each Criminogenic Need

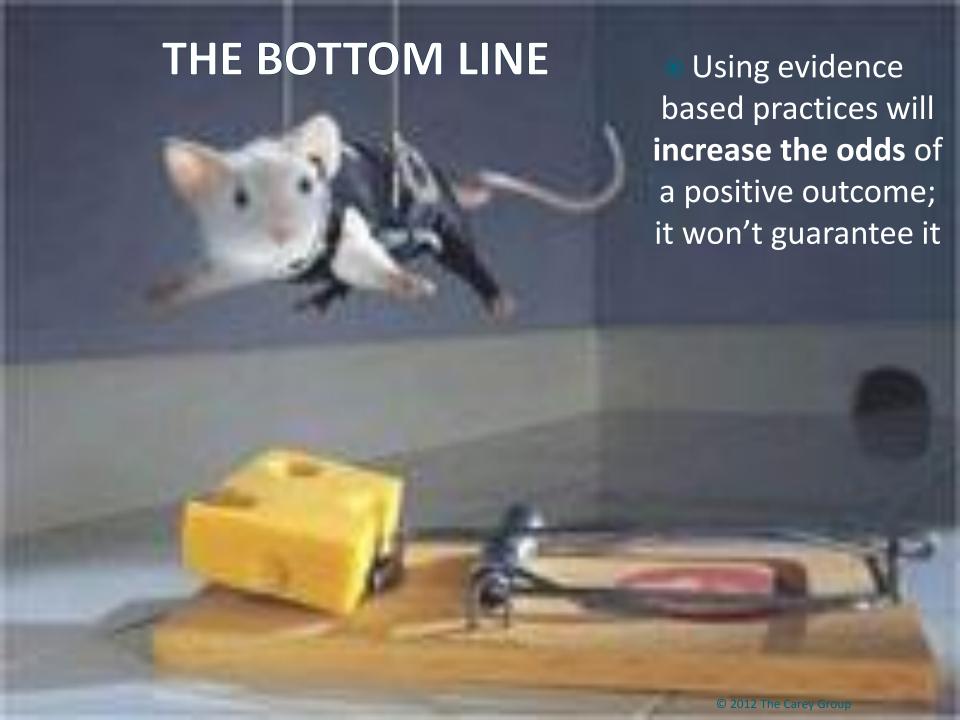
Criminogenic Need	Program/Intervention (examples)
Attitudes/Belief	Thinking for Change (CBT), Moral Reconation Training (CBT), Reasoning and Rehabilitation (CBT)
Companions	Thinking for Change (CBT), Carey Guides (Anti-Social Peers and Engaging Pro-Social Others)
Personality	Thinking for Change (CBT), CALM
Family Stressors	Parenting Wisely
Substance Abuse	Pathways (CBT)
Employment	Workforce Center referral
Education	GED, Tutoring
Leisure	YMCA/YWCA, Mentoring

EVERY INTERACTION....

 Between the correctional officer, judge, counselor, volunteer, probation officer, family member and an offender is an opportunity to:

- Drive home pro-social learning
- Role model
- Disrupt or reinforce anti-social attitudes

Selection, training, and coaching is critical



TOP TEN NEVER EVENTS

 Similar to the medical field, juvenile justice practitioners have never events

 When these never events occur, positive impact is nullified, and in many cases the risk to reoffend actually increases "I have not failed. I've just found 10,000 ways that won't work."

Thomas A. Edison

#1 NEVER EVENT

Over-responding to low risk juveniles



#2 NEVER EVENT

Lecturing, blaming, shaming, arguing

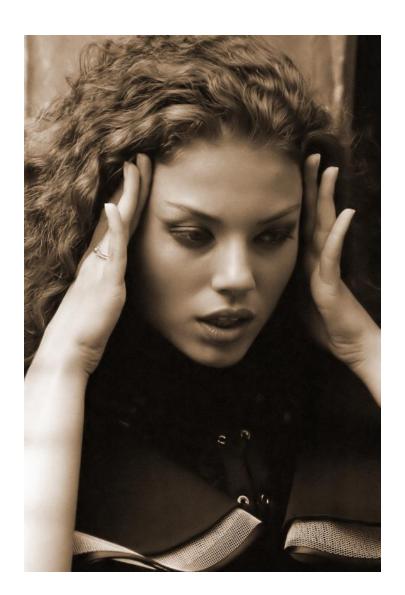


#3 NEVER EVENT

Mixing low and high risk



#4 NEVER EVENT



 Overloading with too many conditions, especially conditions that are non-criminogenic

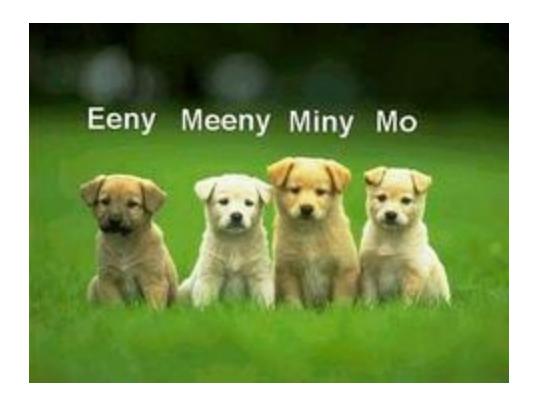
#5 NEVER EVENT

 Hamstringing probation's ability to apply what works as risk and needs change

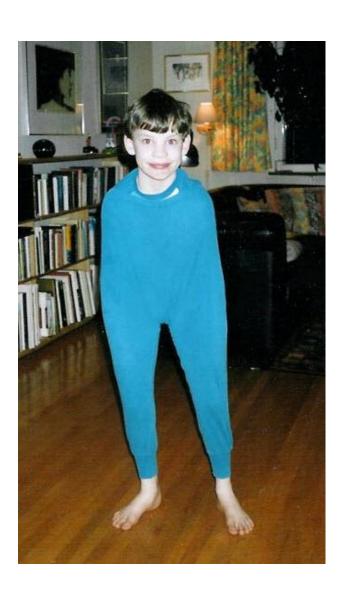


#6 NEVER EVENT

 Guess on juvenile traits that are criminogenic (use assessment tool)



#7 NEVER EVENT



 Send most juveniles to the same program (one size fits all)

#8 NEVER EVENT

Delay violation responses



#9 NEVER EVENT

Withhold rewards and affirmations



#10 NEVER EVENT



Use nonevidence based programs

Pennsylvania's Juvenile Justice System Enhancement Strategy

(JJSES)

JJSES Framework

Achieving our Balanced and Restorative Justice Mission



STAGE FOUR Refinement

- Policy Alignment
- Performance Measures
- EBP Service Contracts



STAGE TWO Initiation

- · Motivational Interviewing
- · Structured Decision Making
- MAYSI Screen
- YLS Risk/Needs Assessment
- Inter-Rater Reliability

- Detention Assessment

- Case Plan Development

• Skill Building and Tools

- · Cognitive Behavioral Interventions
- Responsivity
- · Evidence-Based Programming and Interventions

STAGE THREE

Behavioral Change

- Service Provider Alignment
 - · Standardized Program **Evaluation Protocol (SPEP)**
- Graduated Responses

Delinquency Prevention

STAGE ONE

Readiness

Organizational Readiness

Intro to EBP Training

• Cost-Benefit Analysis · Stakeholder Engagement

Diversion

Family Involvment

Data-Driven Decision Making

Training/Technical Assistance

Continuous Quality Improvement

What Can We Expect?

"Research has shown that the risk of recidivism is greatly reduced (10-30% on average) when attention is paid to criminogenic needs."

Community Protection

SOURCE: D.A.Andrews, I. Zinger, R.D. Hoge, J. Bonta, P. Gendreau and F.T. Cullen, Does correctional treatment work? A clinically relevant and psychologically informed meta-analysis, Criminology, 28 (1990); Andrews (2007)

Questions?

Comments?

Thank You!