

Positive Youth Development: From Theory to Practice

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Presented to the Models for Change DMC Action Network
February 2, 2010

Effective Youth Justice Intervention

Dual Focus:

- Risk Factors
- Protective Factors

Maximum Use of:

- Family Resources
- Community Partners

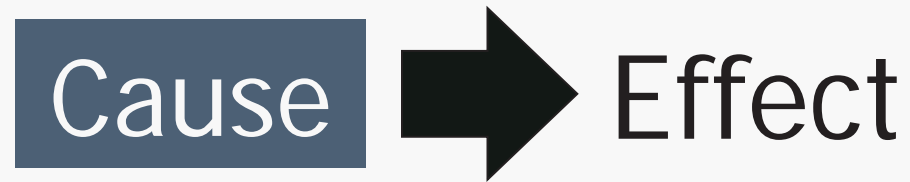
Designed to:

- Generate Evidence of Impact
- Facilitate Successful Replication

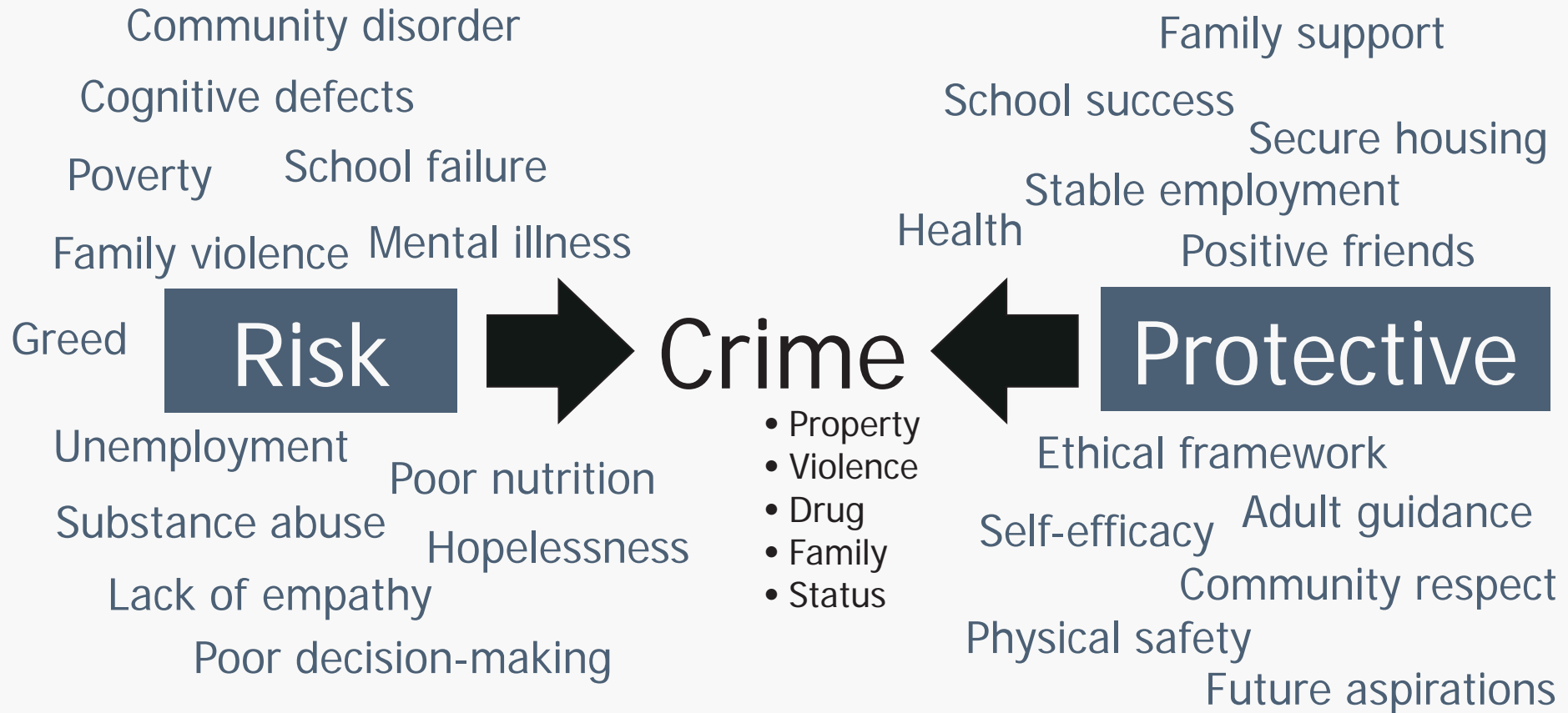
Effective Youth Justice Intervention

- Most youth justice policy and practice focuses on RISK FACTORS
- How do we improve our impact on PROTECTIVE FACTORS?

What's Your Theory?



What's Your Theory?



How Do We Focus Intervention?

Positive Youth Development

- Strengths and assets
- Attachment, engagement, and socialization
- Usefulness and belonging
- Broad system of community-based supports
- Allow all youth to experience opportunities and activities that youth in wealthy communities take for granted:
 - Supportive relationships
 - Rewards for work
 - Skill development
 - Success in learning
 - Physical activity and sports
 - Music and the arts
 - Civic engagement
 - Community/political involvement

Positive Youth Development

- Centuries old — basically common sense
- Traces are found in the work of Jane Addams etc.
(empowerment, belonging, arts, civic engagement)
- 1970s: researchers started to advance particular models for justice-involved youth

Kenneth Polk and Solomon Kobrin (1972). *Delinquency Prevention Through Youth Development*. Washington, DC: Youth Development and Delinquency Prevention Administration.

- 1990s: A wide range of models influential in education, prevention and community-based services



Community Network for Youth Development
San Francisco



JOHN W. GARDNER CENTER
for Youth and Their Communities



National Research Council



Institute for Developmental Assets



Institute for
Research in
Developmental
Psychology



Putting Positive Youth Development Into Practice
a report for the National Research Council on Youth Development



Promising and Effective Practices
National Youth Employment Coalition



Youth Development Framework

Not Adapted for Youth Offenders

Positive Youth Development

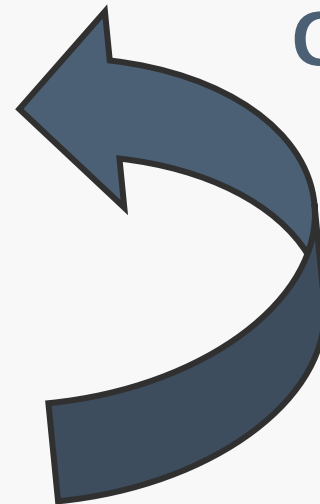
Evidence-based — NOT YET

Interventions that have been proven by rigorous evaluations to be effective in meeting their stated goals at high levels of statistical confidence.

Science-based

Interventions that address specific factors shown by social science research to be associated with the extent and severity of anti-social behavior among youth.

**Long-term
Goal**



Focusing on Protective Factors

There are good reasons to believe that using positive youth development to focus on protective factors will help to reduce youth crime.

Research on Comprehensive Models

Supports the potential of a youth development approach to juvenile justice interventions



Hawkins and Weis

"The Social Development Model: An Integrated Approach to Delinquency Prevention."

Journal of Primary Prevention

1985

Survey of Youth Assets (Univ. of OK)

Youth with more assets are less likely to report that they have carried a weapon

Youth with particular asset	Rate of weapon carrying compared to other youth
Positive peer role model	55% as likely
Positive non-parental adult role model	63%
Involved in community activities	48%
Report future aspirations	53%
Able to exercise responsible choices	63%
Report good family communication	59%

* 14% of sample reported some weapon carrying

Aspy et al. (2004), *Journal of Counseling and Development*

Survey of Youth Assets (Univ. of OK)

Youth with more assets are less likely to report that they have previously used drugs/alcohol

Youth with particular asset	Rate of drug/alcohol use compared to other youth
Positive peer role model	33% as likely
Positive non-parental adult role model	50%
Involved in community activities	50%
Involved in groups/sports	63%
Cumulative Effect: <u>All 9 Assets</u>	19%

- Oman et al. (2004). *American Journal of Public Health*

Search-Institute.org

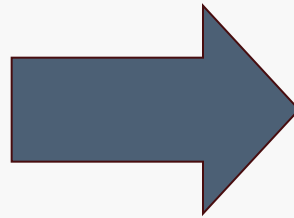
Percentage of 6th- to 12th-Grade Youth Reporting Selected High-Risk Behaviors, by Level of Developmental Assets

High-Risk Behaviors	0–10 Assets	11–20 Assets	21–30 Assets	31–40 Assets
Problem alcohol use —Has used alcohol three or more times in the past month or got drunk once in the past two weeks.	45%	26%	11%	3%
Violence —Has engaged in three or more acts of fighting, hitting, injuring a person, carrying or using a weapon, or threatening physical harm in the past year.	62%	38%	18%	6%
School Problems —Has skipped school two or more days in the past month and/or has below a C average.	44%	23%	10%	4%

* Data based on aggregate Search Institute sample of 148,189 students across the United States surveyed in 2003.

Other Research Findings

Sense of
“social belonging”
or
“social membership”

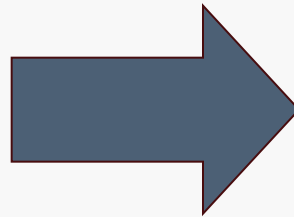


- Academic achievement
- Lower substance abuse
- Lower delinquency

- Barber and Olsen (1997), *Journal of Adolescent Research*
- Battistich and Horn (1997), *American Journal of Public Health*
- Eccles et al. (1997), *Journal of Adolescent Research*

Other Research Findings

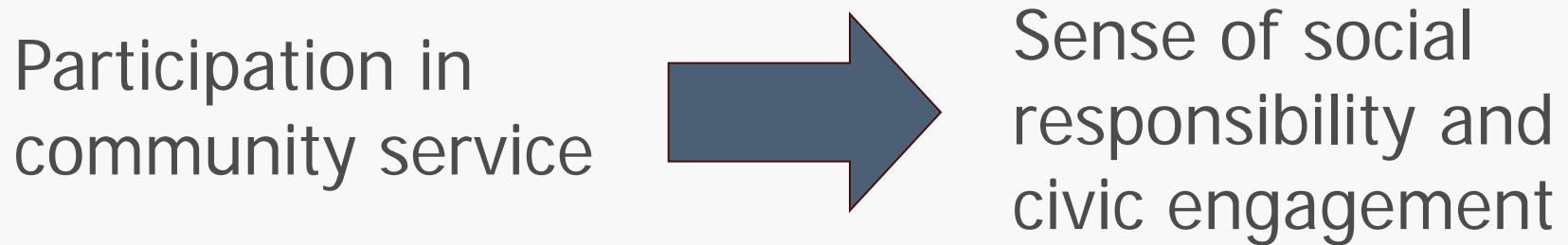
Participation in
school-based
and community
activities



A range of
positive
educational
outcomes

- Barber, Eccles and Stone (2001), *Journal of Adolescent Research*
- Larson (2000), *American Psychologist*
- Morrissey and Werner-Wilson (2005), *Adolescence*
- Roth et al. (1998), *Journal of Research on Adolescence*

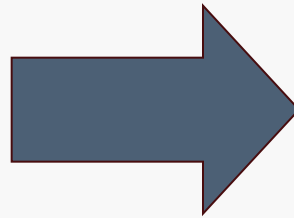
Other Research Findings



- Youniss and Yates (1997), University of Chicago Press

Other Research Findings

Participation in
organized activities
of various kinds



- Educational aspirations
- Leadership qualities
- Ability to overcome adversity

- Scales, Benson, Leffert and Blyth (2000), Applied Developmental Science

Protective Factors Matter

- Youth with stronger and more varied social assets are less likely to be involved with crime, violence and drugs ... but
- How do we deliver social assets ??

Protective Factors Matter

First, We Must Acknowledge That Risk-Based Interventions Are Not Enough

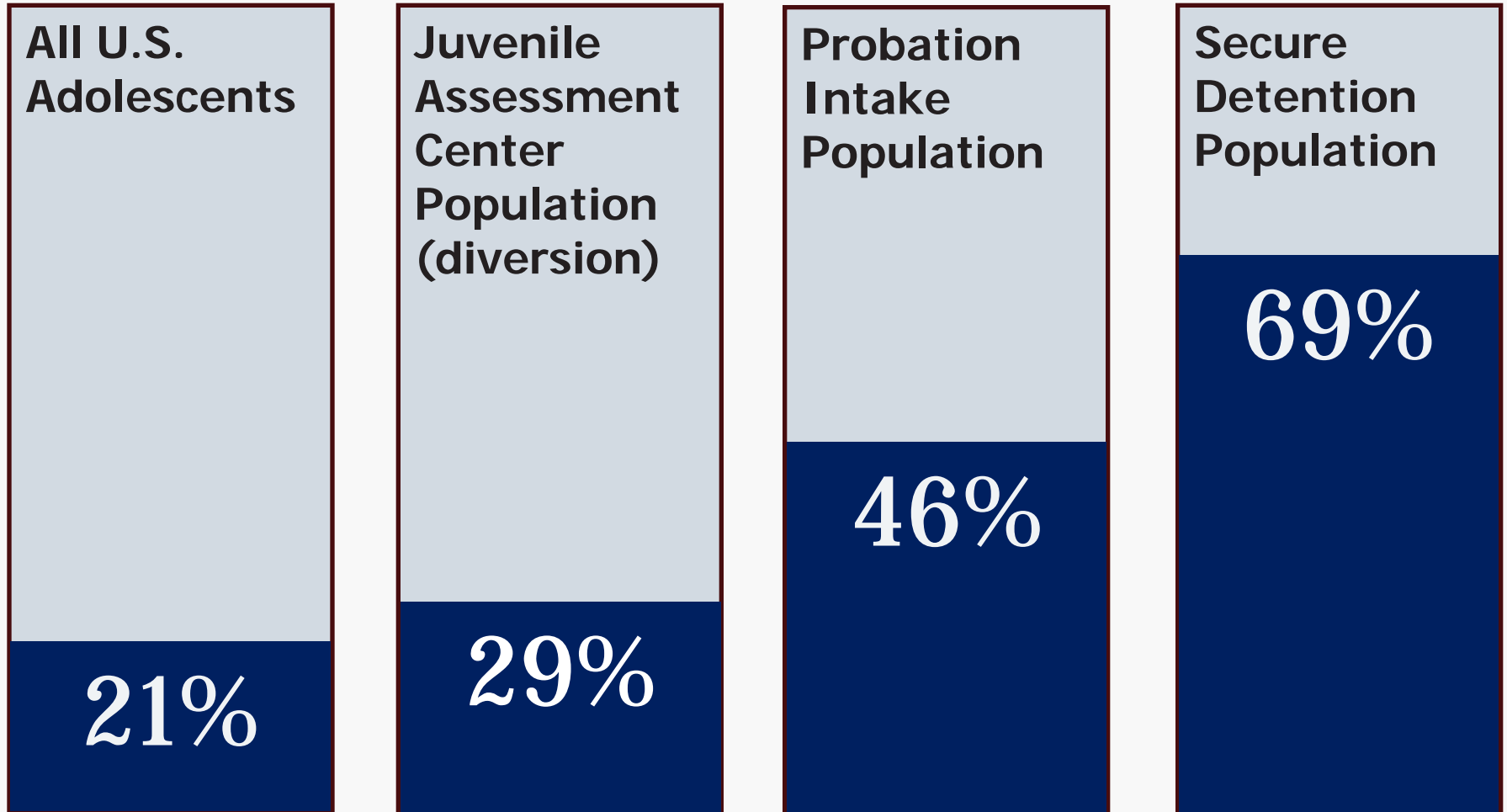
Two Primary Examples:

- Mental Health Services
- Substance Abuse Services

More Than Mental Health Treatment

- Even a perfect mental health treatment system would not eliminate juvenile crime and recidivism
- The overlap between crime and mental health is misunderstood (and often misused)

Prevalence of Mental Health Problems

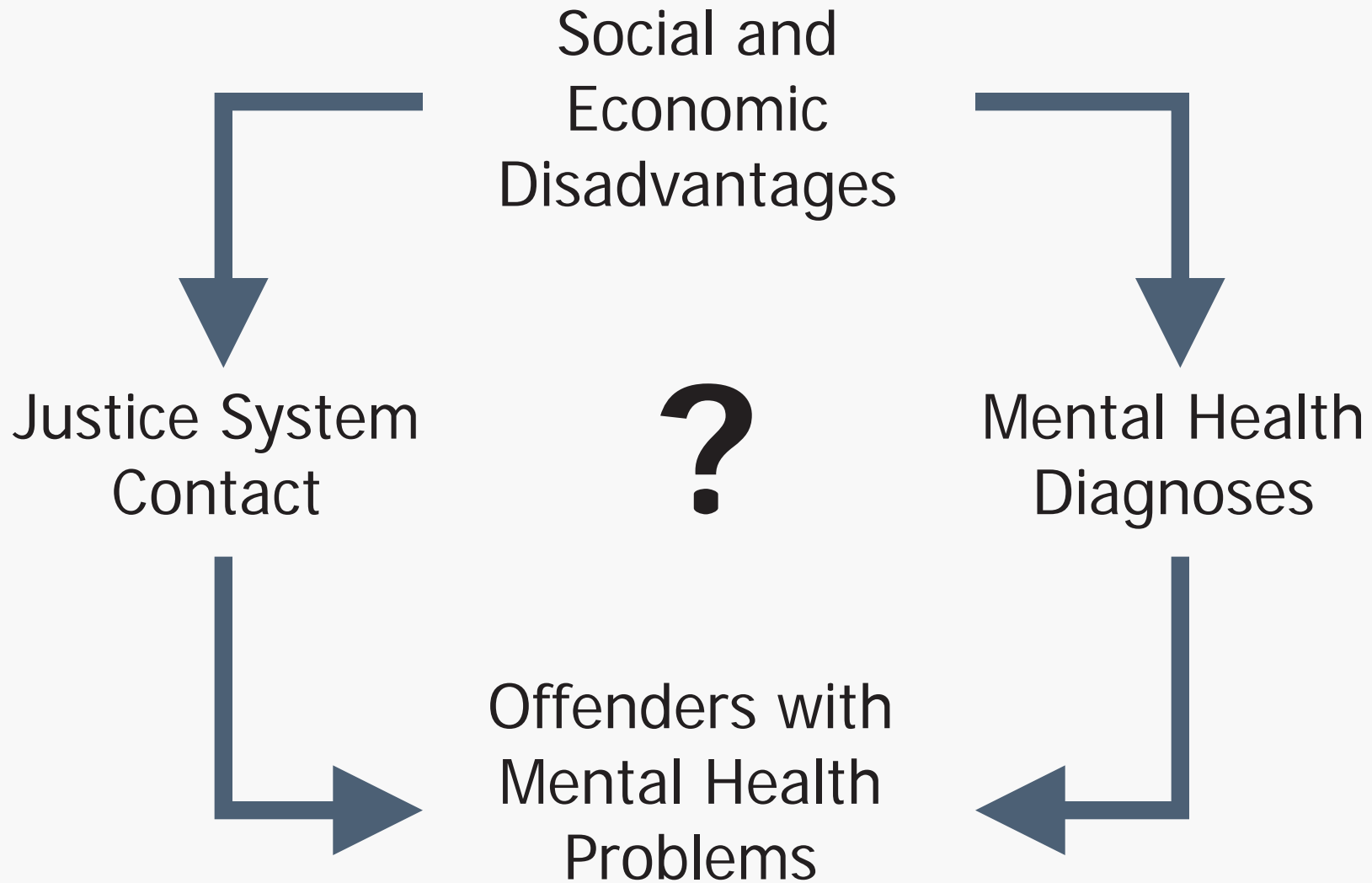


What Does This Mean?

Cause or Correlation ?

- The deeper we look into the juvenile justice process, the more mental health problems we see...
- Is this because mental health issues cause crime?
- Or is it because the justice process holds on longer to offenders with mental health problems – i.e., is less likely to divert them and more likely to charge, adjudicate, etc?

Prevalence of Mental Health Problems

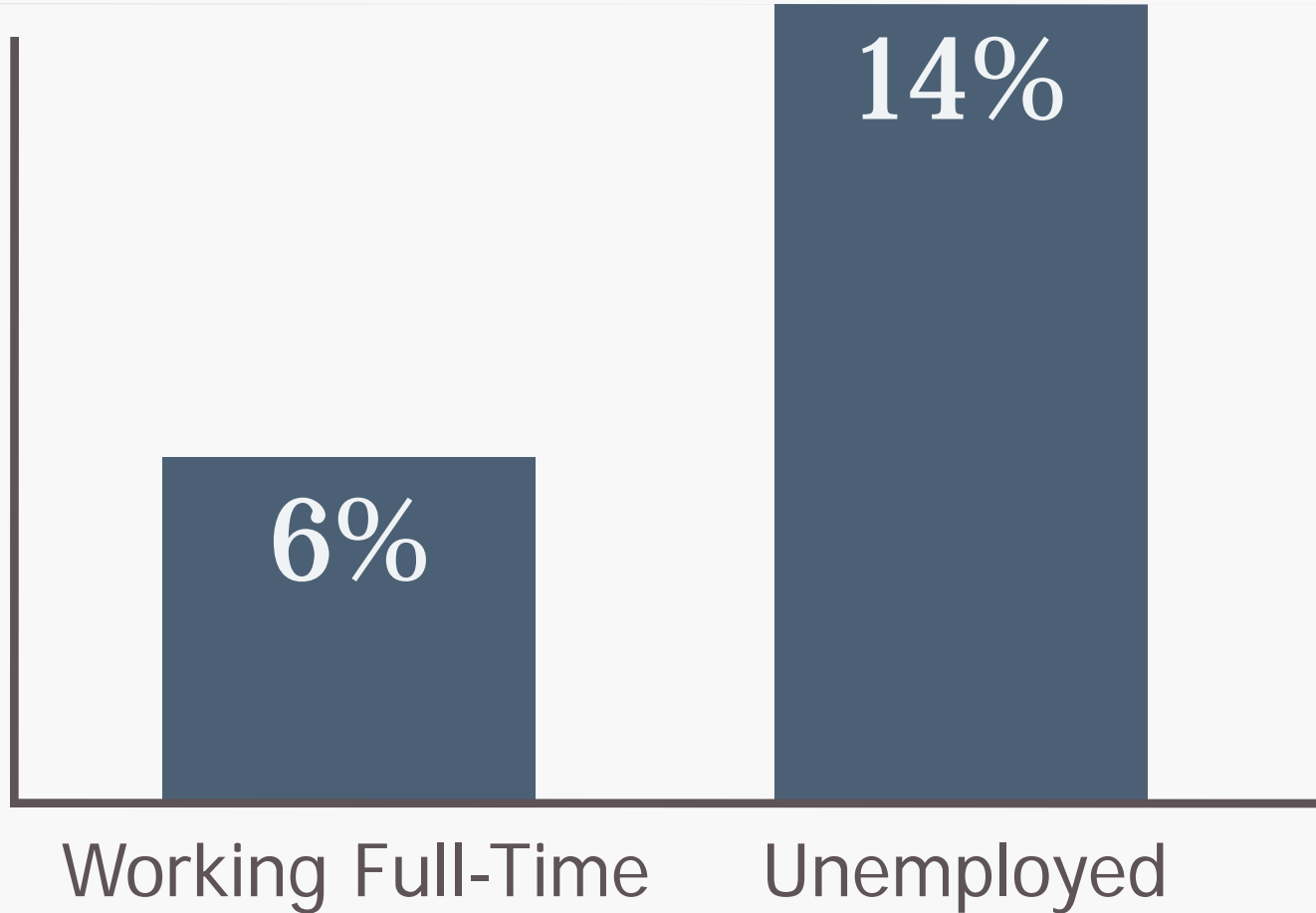


Are Rates of Mental Disorders Among Young Offenders Partly a Reflection of Their Social-Economic Status?

Amazingly, there are no good studies on adolescents...

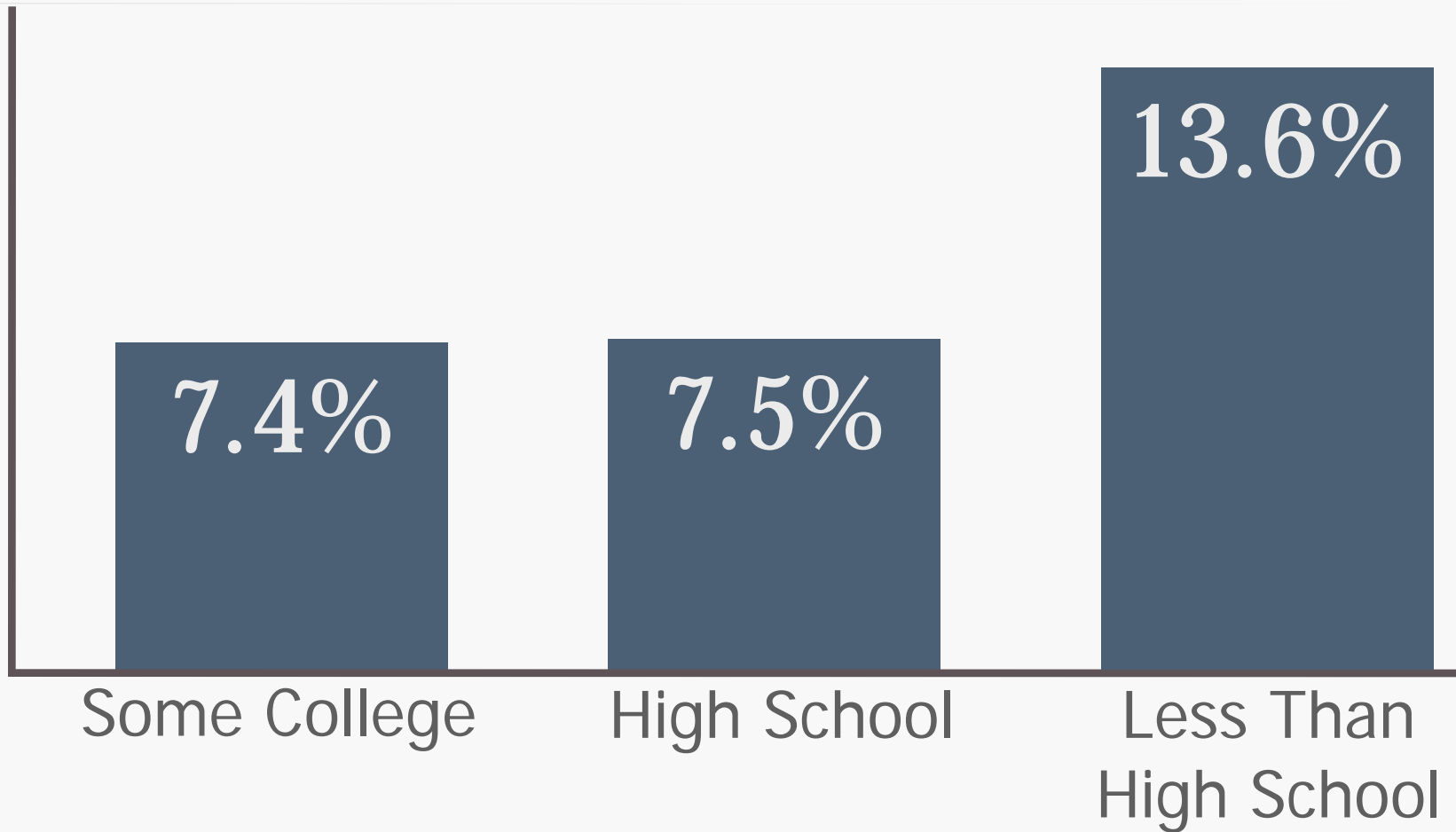
... but we do know some things from studies of adults.

“Major Depressive Episode” in Past Year (Adults)



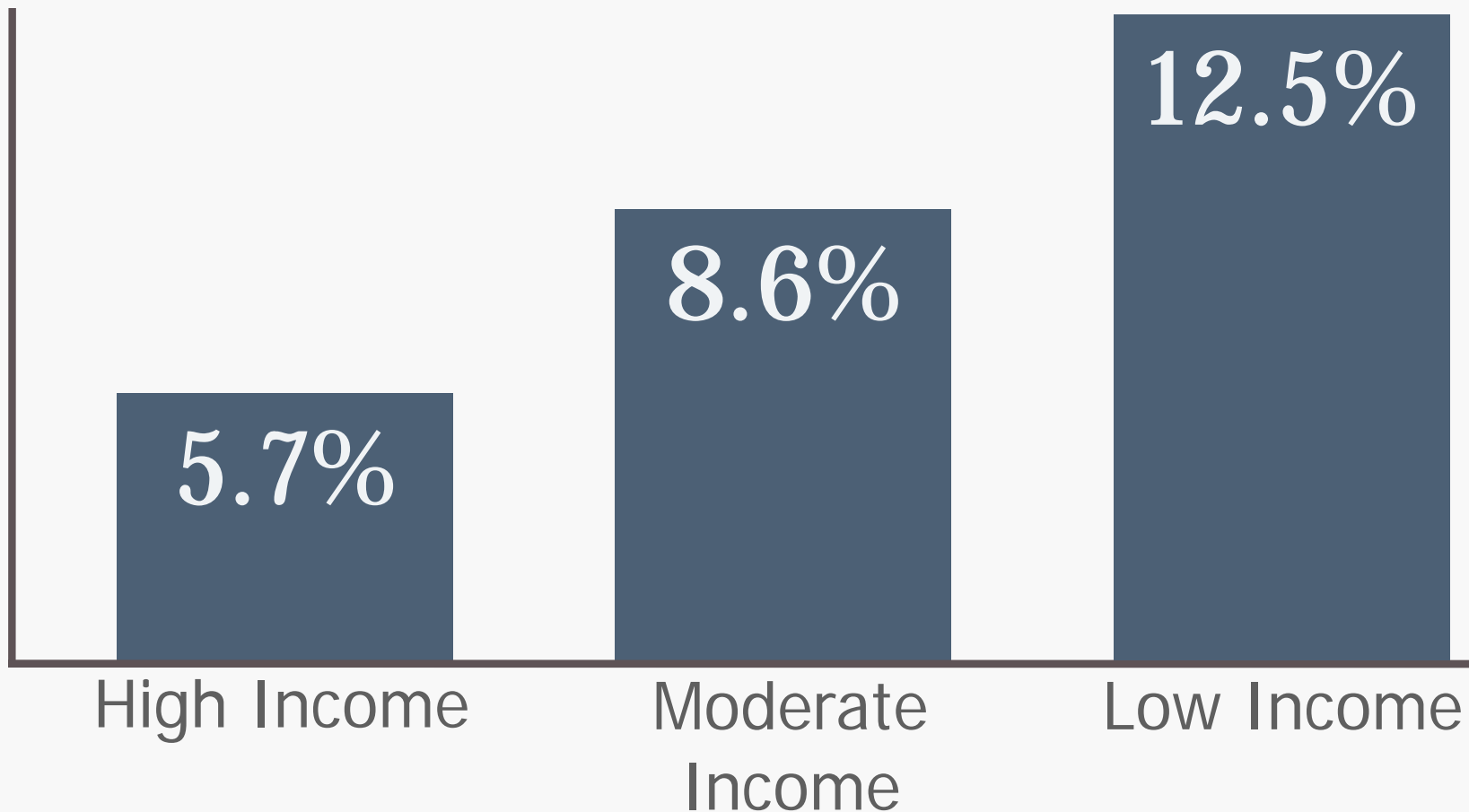
National Survey on Drug Use and Health, SAMHSA (2006)

"Any Mood Disorder" in Adults Under 40



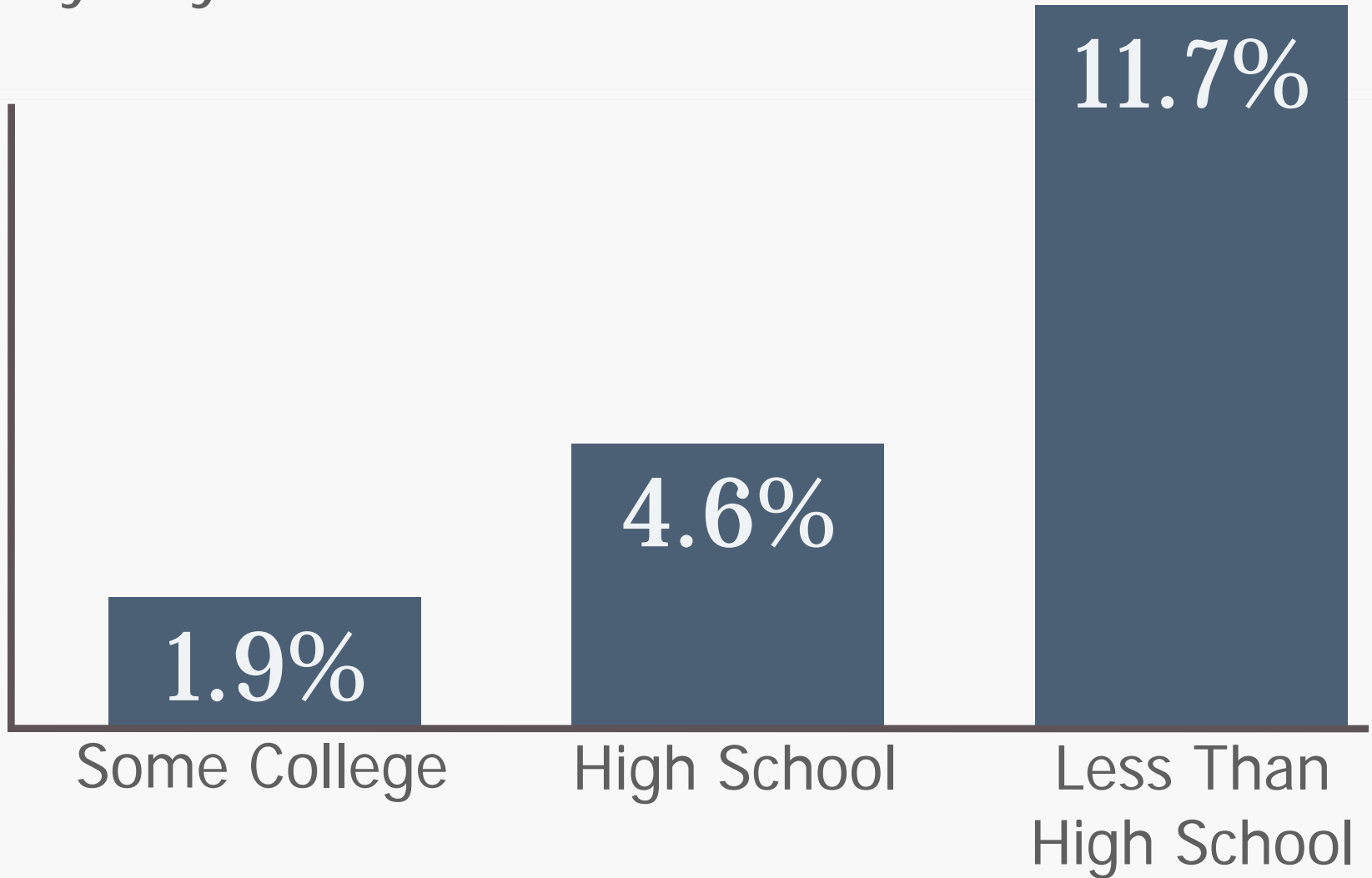
National Health and Nutrition Examination Survey (III), reported in Jonas et al. (2006)

"Any Mood Disorder" in Adults Under 40



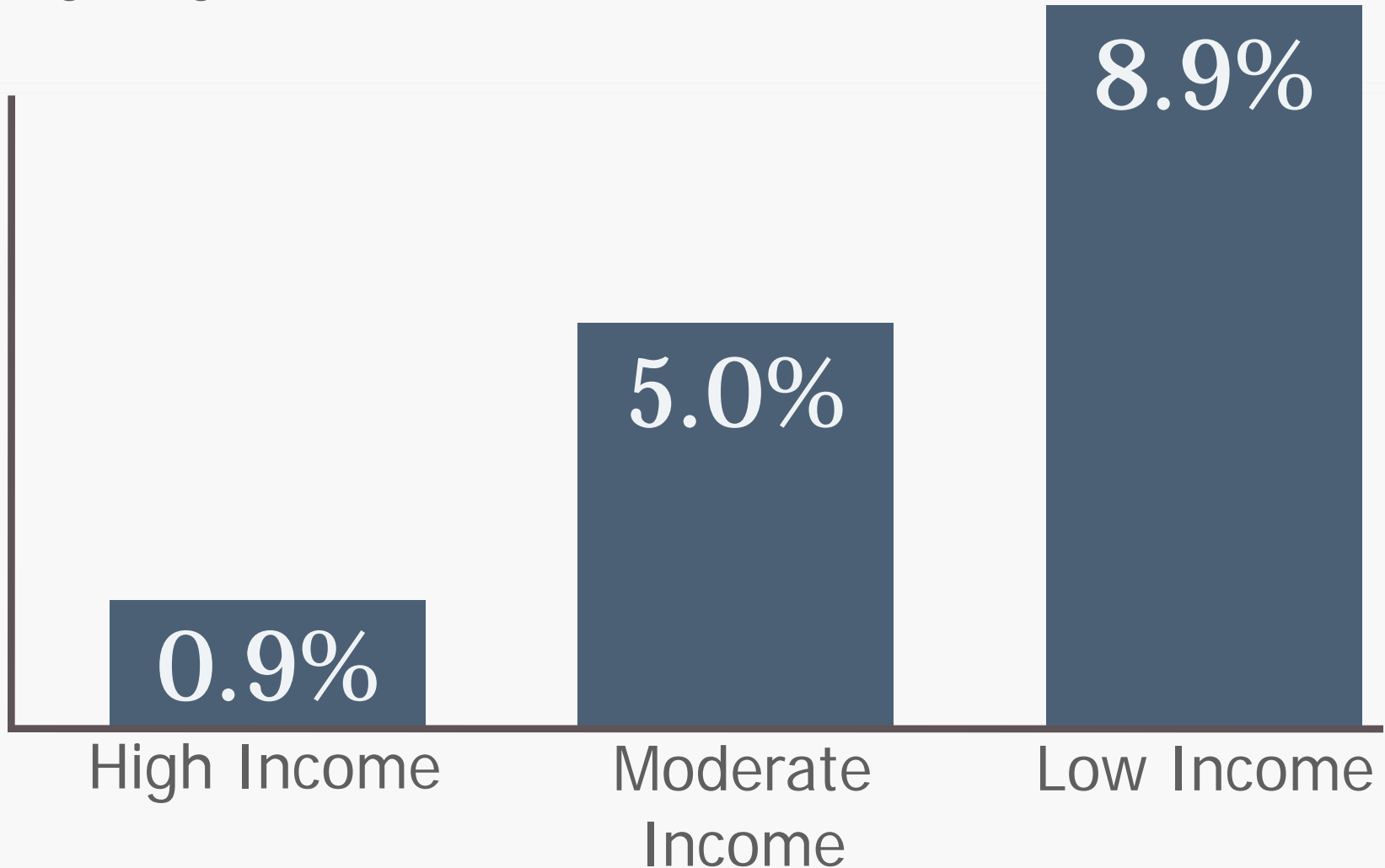
National Health and Nutrition Examination Survey (III), reported in Jonas et al. (2006)

“Dysthymia” in Adults Under 40



National Health and Nutrition Examination Survey (III), reported in Jonas et al. (2006)

"Dysthymia" in Adults Under 40



National Health and Nutrition Examination Survey (III), reported in Jonas et al. (2006)

Key Question

- Do youth become involved in persistent criminal behavior because of mental health problems?

or,

- Are mental health problems more common among youth that tend to be more deeply involved in the justice system?

**Very Different Implications for
Service Delivery and Crime Reduction Policy**

Substance Abuse

Just like mental health problems...

Drug problems are more common the deeper one looks into the juvenile justice process, from arrest, to referral, adjudication.

Substance Abuse

If we combine prevalence data with national statistics about the volume of juvenile justice cases, we see something else interesting...

100%

Rate of
substance
use
disorders
among all
U.S. 12-17
year-olds.

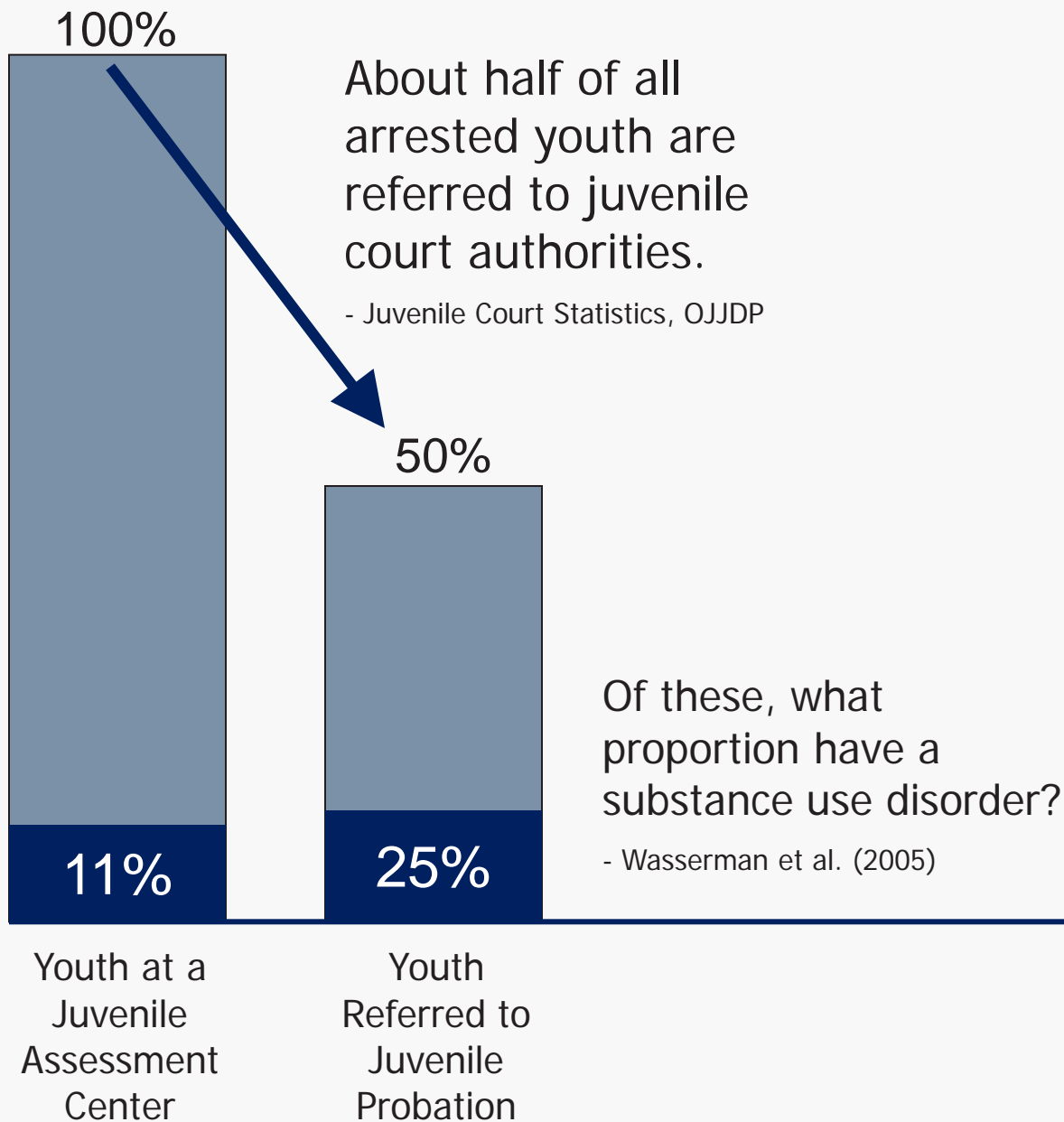
- SAMHSA
(2006)

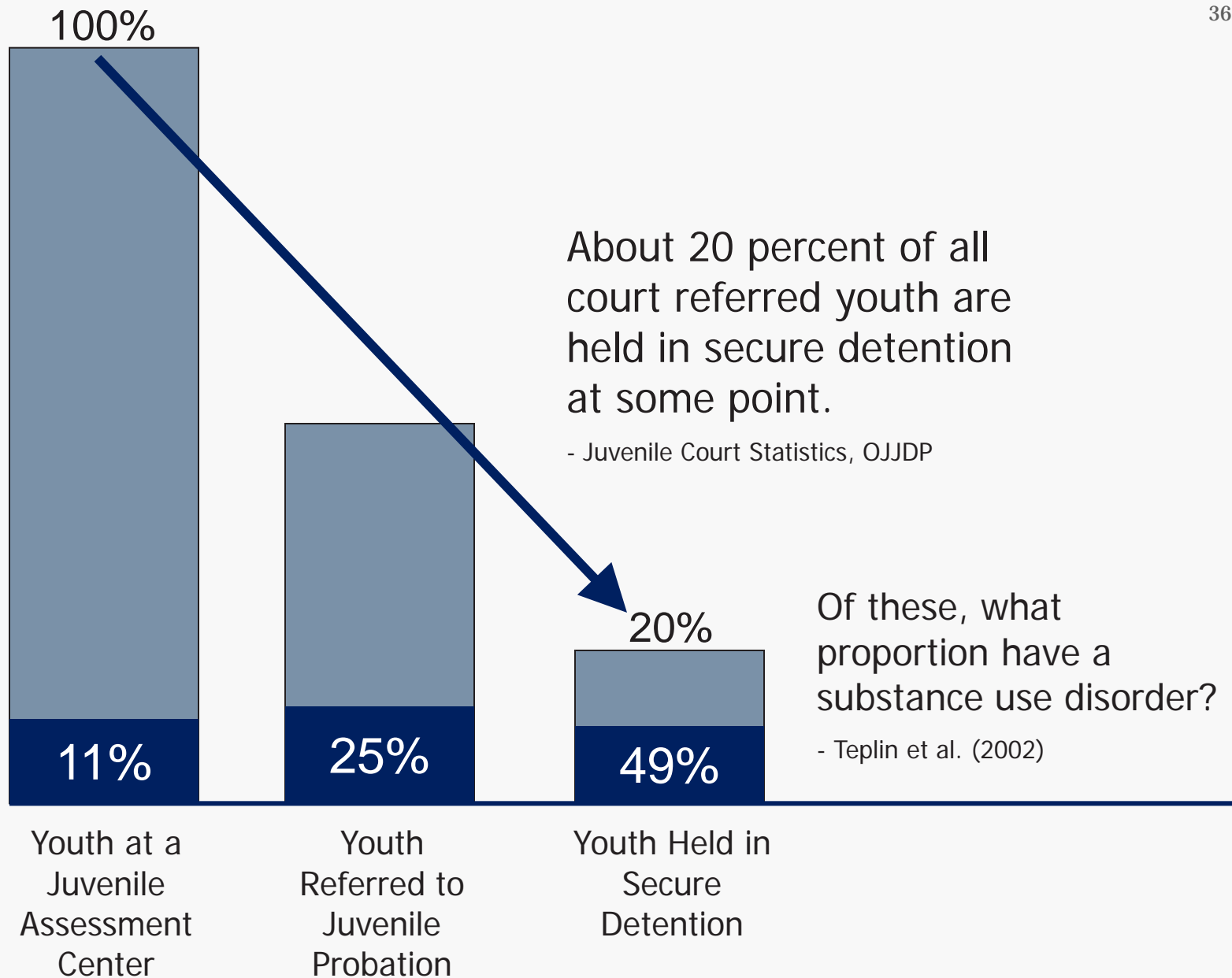
8%**11%**

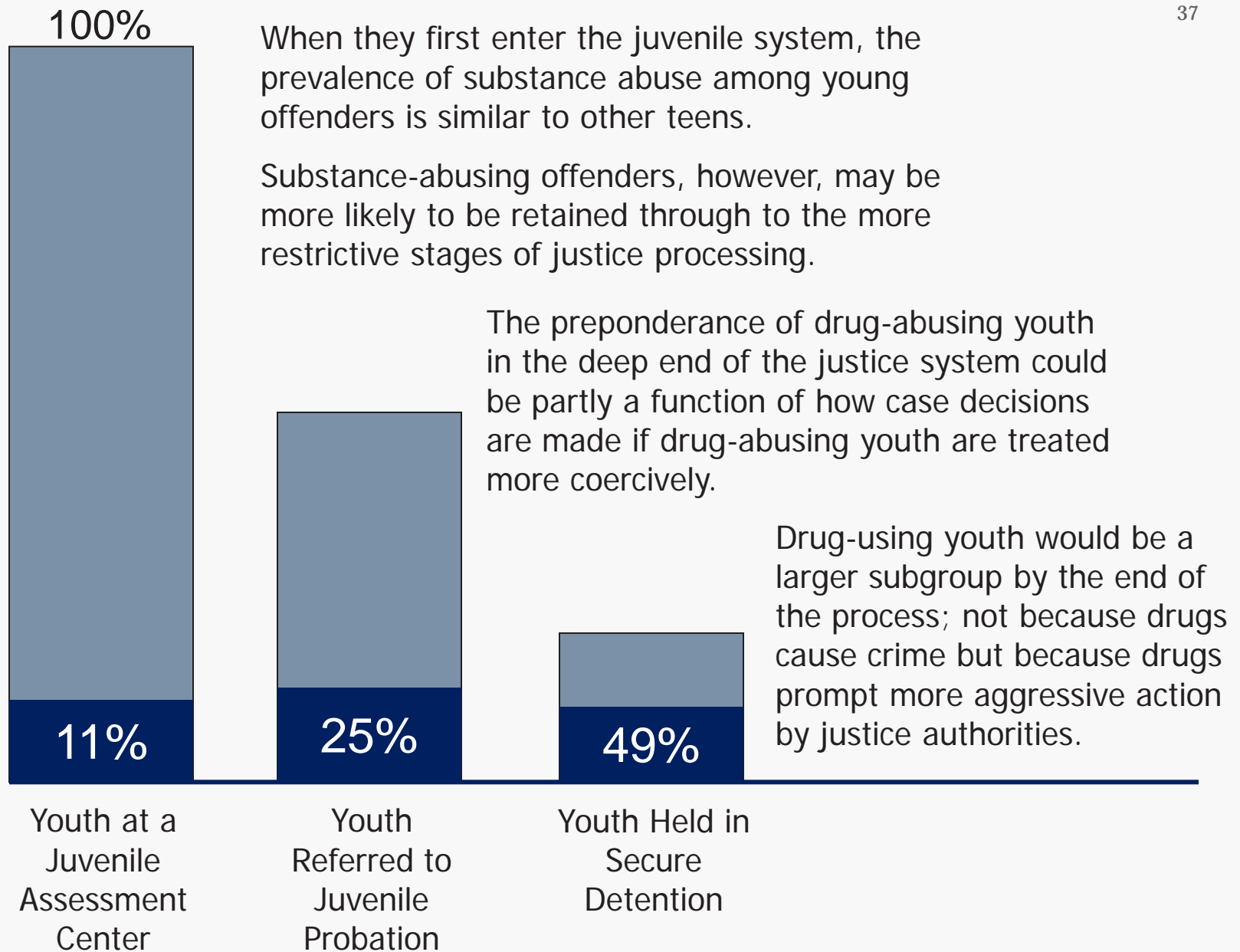
What proportion
have a substance
use disorder?

- McReynolds et al. (2008)

Youth at a
Juvenile
Assessment
Center







Substance Use Disorders

Among Youth Referred to a Juvenile Assessment Center

Abuse Disorders

Alcohol	2%
Marijuana	4%
Other drug	1%

Dependence Disorders

Alcohol	1%
Marijuana	5%
Other drug	1%

No Disorder 89%

Source: McReynolds et al. (2008)

Among Youth Referred to Juvenile Probation Intake

Abuse Disorders

Alcohol	7%
Marijuana	10%
Other drug	3%

Dependence Disorders

Alcohol	3%
Marijuana	13%
Other drug	4%

No Disorder 75%

Source: Wasserman et al. (2005)

Substance Use Disorders

- Approximately 10% to 25% of young offenders have substance use issues that could be called “problematic” – either abuse or dependence
- Most of these substance use issues involve alcohol and marijuana (80% to 90%)
- Few youth (5% ?) have addiction or dependence problems involving serious, illegal drugs

Why the Confusion?

Why do we hear so much about the mental health and substance abuse needs of young offenders ?

- MH and SA problems were overlooked and under-diagnosed for years
- The science related to these issues has improved
- Interest group politics and public relations

Distracted by Advocacy

Youth justice policy has become distracted by an over-emphasis on mental health and drug abuse issues...

- both are important
- but, they are not sufficient as the principal focus of policy or practice in youth justice

New Model of Intervention

We need a strong, evidence-based approach that is:

- Suitable for youth not primarily affected by mental health or substance abuse issues
- Designed to support behavior change and not simply deterrence
- Focused on protective factors, not just risk

JJ Systems Turning to PYD

Washington, DC — DYRS

Massachusetts — DYS

New York — OCFS

Roxbury, MA — “Youth Advocacy Program”

Iowa – Statewide Collaboration

Eugene, OR — County-wide planning

**Where Do Practitioners
Go for Guidance?**


Some Models Might be Too General

The 5Cs Model of Positive Youth Development

C ompetence	Enhancing participants' social, academic, cognitive, and vocational competencies.
C onfidence	Improving adolescents' self-esteem, self-concept, self-efficacy, identity, and belief in the future.
C onnections	Building and strengthening adolescents' relationships with other people and institutions, such as school.
C haracter	Increasing self-control, decreasing engagement in health-compromising (problem) behaviors, developing respect for cultural or societal rules and standards, a sense of right and wrong (morality), and spirituality.
C aring and Compassion	Improving youths' empathy and identification with others.

Source: Adapted from Lerner, Fisher, and Weinberg (2000).


Some Models Might be Too Specific



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40 Developmental Assets® for Adolescents (ages 12-18)

Search Institute® has identified the following building blocks of healthy development—known as Developmental Assets®—that help young people grow up healthy, caring, and responsible.



HEALTHY COMMUNITIES
HEALTHY YOUTH®

External Assets	Support	<ol style="list-style-type: none"> 1. Family support—Family life provides high levels of love and support. 2. Positive family communication—Young person and her or his parent(s) communicate positively, and young person is willing to seek advice and counsel from parents. 3. Other adult relationships—Young person receives support from three or more nonparent adults. 4. Caring neighborhood—Young person experiences caring neighbors. 5. Caring school climate—School provides a caring, encouraging environment. 6. Parent involvement in schooling—Parent(s) are actively involved in helping young person succeed in school.
Empowerment		<ol style="list-style-type: none"> 7. Community values youth—Young person perceives that adults in the community value youth. 8. Youth as resources—Young people are given useful roles in the community. 9. Service to others—Young person serves in the community one hour or more per week. 10. Safety—Young person feels safe at home, school, and in the neighborhood.
Boundaries & Expectations		<ol style="list-style-type: none"> 11. Family boundaries—Family has clear rules and consequences and monitors the young person's whereabouts. 12. School boundaries—School provides clear rules and consequences. 13. Neighborhood boundaries—Neighbors take responsibility for monitoring young people's behavior. 14. Adult role models—Parent(s) and other adults model positive, responsible behavior. 15. Positive peer influence—Young person's best friends model responsible behavior. 16. High expectations—Both parent(s) and teachers encourage the young person to do well.
Constructive Use of Time		<ol style="list-style-type: none"> 17. Creative activities—Young person spends three or more hours per week in lessons or practice in music, theater, or other arts. 18. Youth programs—Young person spends three or more hours per week in sports, clubs, or organizations at school and/or in the community. 19. Religious community—Young person spends one or more hours per week in activities in a religious institution. 20. Time at home—Young person is out with friends "with nothing special to do" two or fewer nights per week.
Internal Assets	Commitment to Learning	<ol style="list-style-type: none"> 21. Achievement Motivation—Young person is motivated to do well in school. 22. School Engagement—Young person is actively engaged in learning. 23. Homework—Young person reports doing at least one hour of homework every school day. 24. Bonding to school—Young person cares about her or his school. 25. Reading for Pleasure—Young person reads for pleasure three or more hours per week.
Positive Values		<ol style="list-style-type: none"> 26. Caring—Young person places high value on helping other people. 27. Equality and social justice—Young person places high value on promoting equality and reducing hunger and poverty. 28. Integrity—Young person acts on convictions and stands up for her or his beliefs. 29. Honesty—Young person "tells the truth even when it is not easy." 30. Responsibility—Young person accepts and takes personal responsibility. 31. Restraint—Young person believes it is important not to be sexually active or to use alcohol or other drugs.
Social Competencies		<ol style="list-style-type: none"> 32. Planning and decision making—Young person knows how to plan ahead and make choices. 33. Interpersonal Competence—Young person has empathy, sensitivity, and friendship skills. 34. Cultural Competence—Young person has knowledge of and comfort with people of different cultural/racial/ethnic backgrounds. 35. Resistance skills—Young person can resist negative peer pressure and dangerous situations. 36. Peaceful conflict resolution—Young person seeks to resolve conflict nonviolently.
Positive Identity		<ol style="list-style-type: none"> 37. Personal power—Young person feels he or she has control over "things that happen to me." 38. Self-esteem—Young person reports having a high self-esteem. 39. Sense of purpose—Young person reports that "my life has a purpose." 40. Positive view of personal future—Young person is optimistic about her or his personal future.

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		5. Caring school climate —School provides a caring, encouraging environment.
		6. Parent involvement in schooling —Parent(s) are actively involved in helping young person succeed in school.
	Empowerment	7. Community values youth —Young person perceives that adults in the community value youth.
		8. Youth as resources —Young people are given useful roles in the community.
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Focusing Youth Justice on PYD

How do we transform youth justice systems to focus on practical ways of attaching youth to assets and facilitating positive youth development?

Very Different Perspectives

	<u>Traditional Justice</u>	<u>Positive Youth Justice</u>
Target	Youth deficits	Youth strengths
Goal	Control	Attachment
Strategy	Deter and provide treatment	Connect and engage
Tactics	<ul style="list-style-type: none">▪ Sanctions▪ Supervision▪ Services	<ul style="list-style-type: none">▪ Re-establish youth bonds with community▪ Connect youth and family with pro-social activities▪ Build on youth assets and interests

Our Model: *Positive Youth Justice*

		ASSETS	
		Learning/Doing	Attaching/Belonging
DOMAINS	Work	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes
	Education	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes
	Relationships	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes
	Community	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes
	Health	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes
	Creativity	<ul style="list-style-type: none"> • Activities • Outcomes 	<ul style="list-style-type: none"> • Activities • Outcomes

Source: Butts, Bazemore, and Meroe (2010). Forthcoming report from the Coalition for Juvenile Justice, Washington, DC.

Youth Development Approach May be an Evidence-Based Model Some Day

Requires an accumulation of findings from numerous, high-quality studies.

Depends on sustained investment by service providers, researchers, and funding sources.

Contact Information

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References

Aarons, Gregory A., Sandra A. Brown, Richard L. Hough, Ann F. Garland, and Patricia A. Wood (2001). Prevalence of Adolescent Substance Use Disorders across Five Sectors of Care. *Journal of the American Academy of Child and Adolescent Psychiatry*, 40(4): 419–26.

Aspy, Cheryl B., Roy F. Oman, Sara Vesely, Kenneth R. McLeroy, Sharon Rodine, and Ladonna Marshall (2004). Adolescent violence: The protective effects of youth assets. *Journal of Counseling and Development* 82: 268-276.

Barber, Bonnie L., Jacquelynne S. Eccles, and Margaret R. Stone (2001). Whatever happened to the jock, the brain, and the princess?: Young adult pathways linked to adolescent activity involvement and social identity. *Journal of Adolescent Research*, 9(16): 429-455.

Barber, Brian K., and Joseph A. Olsen (2004). Assessing the transitions to middle and high school. *Journal of Adolescent Research*, 19(1): 3-30.

Battistich, Victor and Allen Horn (1997). The relationship between students' sense of their school as a community and their involvement in problem behaviors. *American Journal of Public Health*, 87(12): 1997-2001.

Eccles, Jacquelynne S., Diane Early, Kari Fraser, Elaine Belansky, and Karen McCarthy (1997). The relation of connection, regulation, and support for autonomy to adolescents' functioning. *Journal of Adolescent Research*, 4(12): 263-286.

Hawkins, David and Weiss, Joseph G. (1985). The social development model: An integrated approach to delinquency prevention. *Journal of Primary Prevention*, 6(2), 73-97.

Johnston, Lloyd D., Patrick M. O'Malley, Jerald G. Bachman & John E. Schulenberg (2007). *Monitoring the Future: National Survey Results on Drug Use, 1975-2006*. Volume I: Secondary school students (NIH Publication No. 07-6205). Bethesda, MD: National Institute on Drug Abuse.

Jonas, Bruce S., Debra Brody, Margaret Roper and William Narrow (2006). Mood disorder prevalence among young men and women in the United States. In *Mental Health, United States, 2004*, Chapter 17, Figure 4. Manderscheid, Ronald W. and Joyce T. Berry (Editors). Rockville, MD: U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration (SAMHSA), Center for Mental Health Services (CMHS).

Lerner, Richard M., Celia B. Fisher, and Richard A. Weinberg (2000). Toward a science for and of the people: Promoting civil society through the application of developmental science. *Child Development*, 71(1): 11-20.

References

McReynolds, Larkin S., Gail A. Wasserman, Robert E. DeComo, Reni John, Joseph M. Keating, and Scott Nolen (2008). Psychiatric disorder in a juvenile assessment center. *Crime & Delinquency*, 54(2): 313-334.

Morrissey, Kathleen M., and Ronald Jay Werner-Wilson (2005). The relationship between out-of-school activities and positive youth development: An investigation of the influences of communities and family. *Adolescence*, 40(157): 67-85.

Oman, Roy F., Sara Vesely, Cheryl B. Aspy, Kenneth R. McLeroy, Sharon Rodine, and Ladonna Marshall (2004). The potential protective effect of youth assets on adolescent alcohol and drug use. *American Journal of Public Health*, 94(8): 1425-1430.

Roth, Jodie, Jeanne Brooks-Gunn, Lawrence Murray, William Foster (1998). Promoting healthy adolescents: Synthesis of youth development program evaluations. *Journal of Research on Adolescence*, 8(4): 423-459.

Scales, Peter, P. Benson, Nancy Leffert, & D.A. Blyth (2000). The contribution of developmental assets to the prediction of thriving among adolescents. *Applied Developmental Science*, 4: 27-46.

Scales, Peter C., and Nancy Leffert (2004). *Developmental Assets: A Synthesis of the Scientific Research on Adolescent Development* (second edition). Minneapolis: Search Institute.

Substance Abuse and Mental Health Services Administration (2007). *National Survey on Drug Use and Health*. Rockville, MD: Substance Abuse and Mental Health Services Administration.

Teplin, Linda A., Karen M. Abram, Gary M. McClelland, Mina K. Dulcan, and Amy A. Mericle (2002). Psychiatric disorders in youth in juvenile detention. *Archives of General Psychiatry* 59(Dec): 1133-1143.

U.S. Department of Health and Human Services (1999). *Mental Health: A Report of the Surgeon General*. Rockville, MD: U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Center for Mental Health Services, National Institutes of Health, National Institute of Mental Health.

Wasserman, Gail A., Larkin S. McReynolds, Susan J. Ko, Laura M. Katz, and Jennifer R. Carpenter (2005). Gender Differences in Psychiatric Disorders at Juvenile Probation Intake. *American Journal of Public Health*, 95(1): 131-137.

Youniss, James and Miranda Yates (1997). *Community Service and Social Responsibility in Youth*. Chicago: University of Chicago Press.