



Pennsylvania's Statewide Strategy for Promoting Blueprint Programs



Brian Bumbarger
Blueprints Conference – San Antonio, TX
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pennsylvania
COMMISSION ON CRIME
AND DELINQUENCY

The Role of a State-Level Prevention Support System in Promoting High-Quality Implementation and Sustainability of Evidence-Based Programs

Brittany L. Rhoades · Brian K. Bumbarger ·
Julia E. Moore

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Abstract Although numer (EBPs) have been proven e are being widely promoted philanthropic dollars, few (manner likely to have a n critical social problems. Th work for Dissemination and cates three systems that a barriers that prevent these intended public health impa the relevance of these system

A State Agency–University Partnership for Translational Research and the Dissemination of Evidence-Based Prevention and Intervention

Brian K. Bumbarger · Elizabeth Morey Campbell

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Abstract This article describes a decade-long partnership between the Prevention Research Center at Penn State and the Pennsylvania Commission on Crime and Delinquency. This partnership has evolved into a multi-agency initiative supporting the implementation of nearly 200 replications of evidence-based prevention and intervention programs, and

emergence of this evidence base has come a concomitant shift in policy and funding to promote the use of evidence-based programs and practices (EBPs). However, we have yet to realize broad public health impact (at the population level) from this movement because the barriers of widespread adoption, high-quality implementation and fidelity,



Reducing Youth Violence and Delinquency in Pennsylvania:

PCCD'S RESEARCH-BASED PROGRAMS INITIATIVE

Sarah Meyer Chilenski, Ph.D.
 Brian K. Bumbarger
 Sandee Kyler
 Mark T. Greenberg, Ph.D.



PREVENTION RESEARCH CENTER
 FOR THE PROMOTION OF HUMAN DEVELOPMENT

The Pennsylvania State University

October 2007



The Economic Return on PCCD's Investment in Research-based Programs:

A COST-BENEFIT ASSESSMENT OF DELINQUENCY PREVENTION IN PENNSYLVANIA

Damon Jones, Ph.D.
 Brian K. Bumbarger
 Mark T. Greenberg, Ph.D.
 Peter Greenwood, Ph.D.
 Sandee Kyler



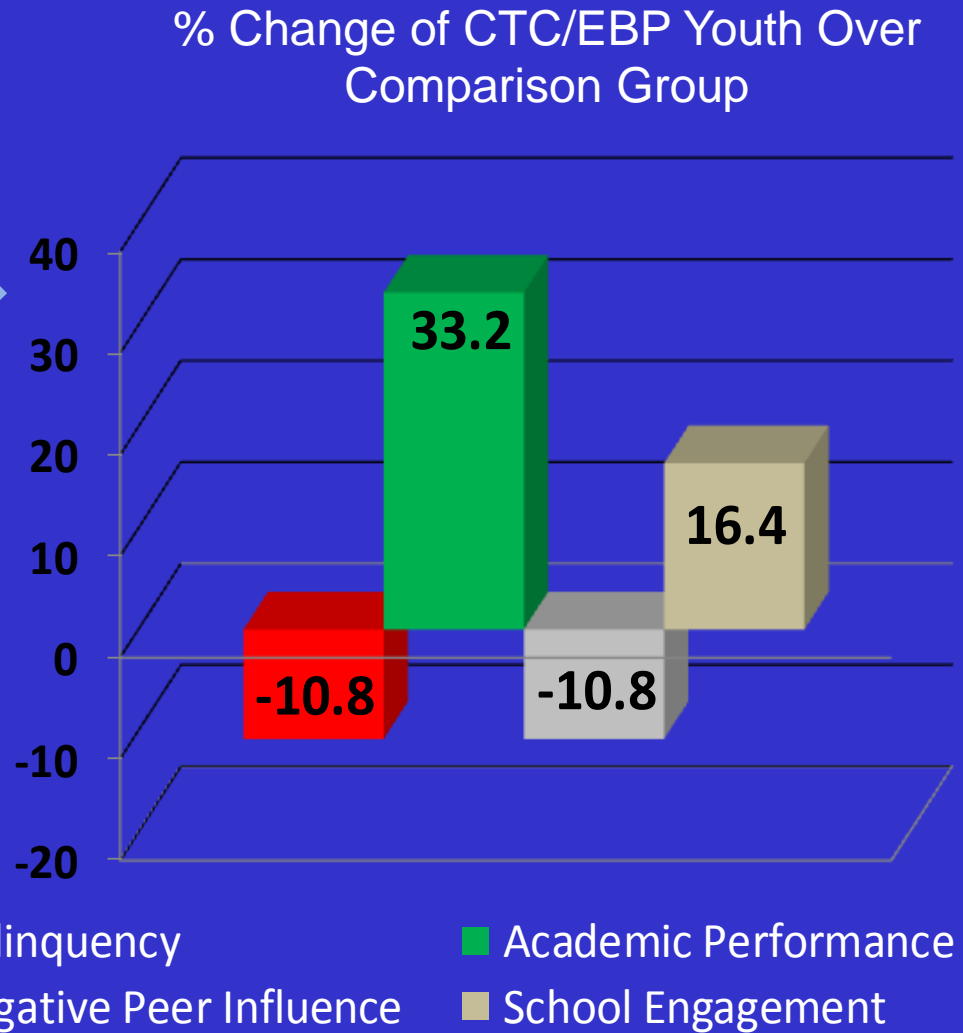
THE PREVENTION RESEARCH CENTER
 FOR THE PROMOTION OF HUMAN DEVELOPMENT

The Pennsylvania State University

March 2008

5 year Longitudinal Study of PA Youth

419 age-grade cohorts over a 5-year period: youth in CTC communities using EBPs had significantly lower rates of delinquency, greater resistance to negative peer influence, stronger school engagement and better academic achievement



Cost-effectiveness of Evidence-based Prevention in PA

(measured benefits and costs per community and statewide)

Program	B-C per youth	Avg. Return/Community	# Programs Statewide	Est. Total PA Return
Big Brothers/Sisters	\$54	\$13,500	28	\$378,000
LifeSkills Training	\$808	\$161,600	100	\$16,160,000
Multi. Treatment Foster Care	\$79,331	\$475,986	3	\$1,427,958
Multisystemic Therapy	\$16,716	\$2,507,400	12	\$30,088,800
Functional Family Therapy	\$32,707	\$12,395,953	11	\$136,355,483
Nurse-Family Partnership	\$36,878	\$4,782,976	25	\$119,574,400
Strength. Families	\$6,541	\$872,133	15	\$13,082,000
TOTAL				\$317,066,641

Jones, D., Bumbarger, B., Greenberg, M., Greenwood, P., and Kyler, S. (2008). The Economic Return on PCCD's Investment in Research-based Programs: A Cost-benefit Assessment of Delinquency Prevention in Pennsylvania.

From Lists to Improved Public Health: Barriers

- Synthesis and translation of research to practice, (and practice to research)
- EBP dissemination, selection, and uptake
- Ensuring sufficient implementation quality and fidelity
- Understanding adaptation and preventing program drift
- Measuring and monitoring implementation and outcomes
- Policy, systems, and infrastructure barriers
- Coordination across multiple programs and developmentally
- Sustainability in the absence of a prevention infrastructure

Bumbarger, B. and Perkins, D. (2008). After Randomized Trials: Issues related to dissemination of evidence-based interventions. *Journal of Children's Services*, 3(2), 53-61.

Bumbarger, B., Perkins, D., and Greenberg, M. (2009). Taking Effective Prevention to Scale. In B. Doll, W. Pfohl, & J. Yoon (Eds.) *Handbook of Youth Prevention Science*. New York: Routledge.

- To improve outcomes, we must bridge the gap between science and practice
- ***Pennsylvania's Approach:*** Create sustained, community-wide public health impact through effective community coalitions using proven-effective programs targeted at strategically identified risk and protective factors

Pennsylvania's "Blueprints" Initiative

- Followed from earlier CTC initiative that promoted community coalitions/risk & resource assessments
- State funding for program startup, after identification of need by local community
- Nearly 200 EBP's funded since 1998 (+~200 through other sources)
- The only state initiative promoting the adoption of ALL of the Blueprints programs

The Menu of EBPs in This Project*

- Life Skills Training (LST)
- Olweus Bullying Prevention Program (OBPP)
- Promoting Alternative Thinking Strategies (PATHS)
- Project Towards No Drug Abuse (Project TND)
- Big Brothers Big Sisters of America (BBBS)
- Incredible Years (IYS)
- Strengthening Families Program 10-14 (SFP)
- Functional Family Therapy (FFT)
- Multisystemic Therapy (MST)
- Multidimensional Treatment Foster Care (MTFC)
- Aggression Replacement Training (ART)

Multi-Agency Steering Committee
(Justice, Welfare, Education, Health)

Resource Center
for Evidence-based Prevention and Intervention
Programs and Practices

Support to
Community
Prevention
Coalitions

Support to
Evidence-based
Programs

Improve Quality of
Juvenile Justice
Programs and
Practices

A unique partnership between policymakers, researchers, and communities to bring science to bear on issues of public health and public safety

The EPISCenter is a project of the Prevention Research Center, College of Health and Human Development, Penn State University, and is funded by the Pennsylvania Commission on Crime and Delinquency and the Pennsylvania Department of Public Welfare as a component of the Resource Center for Evidence-Based Prevention and Intervention Programs and Practices.

Multi-Agency Steering Committee
(Justice, Welfare, Education, Health)

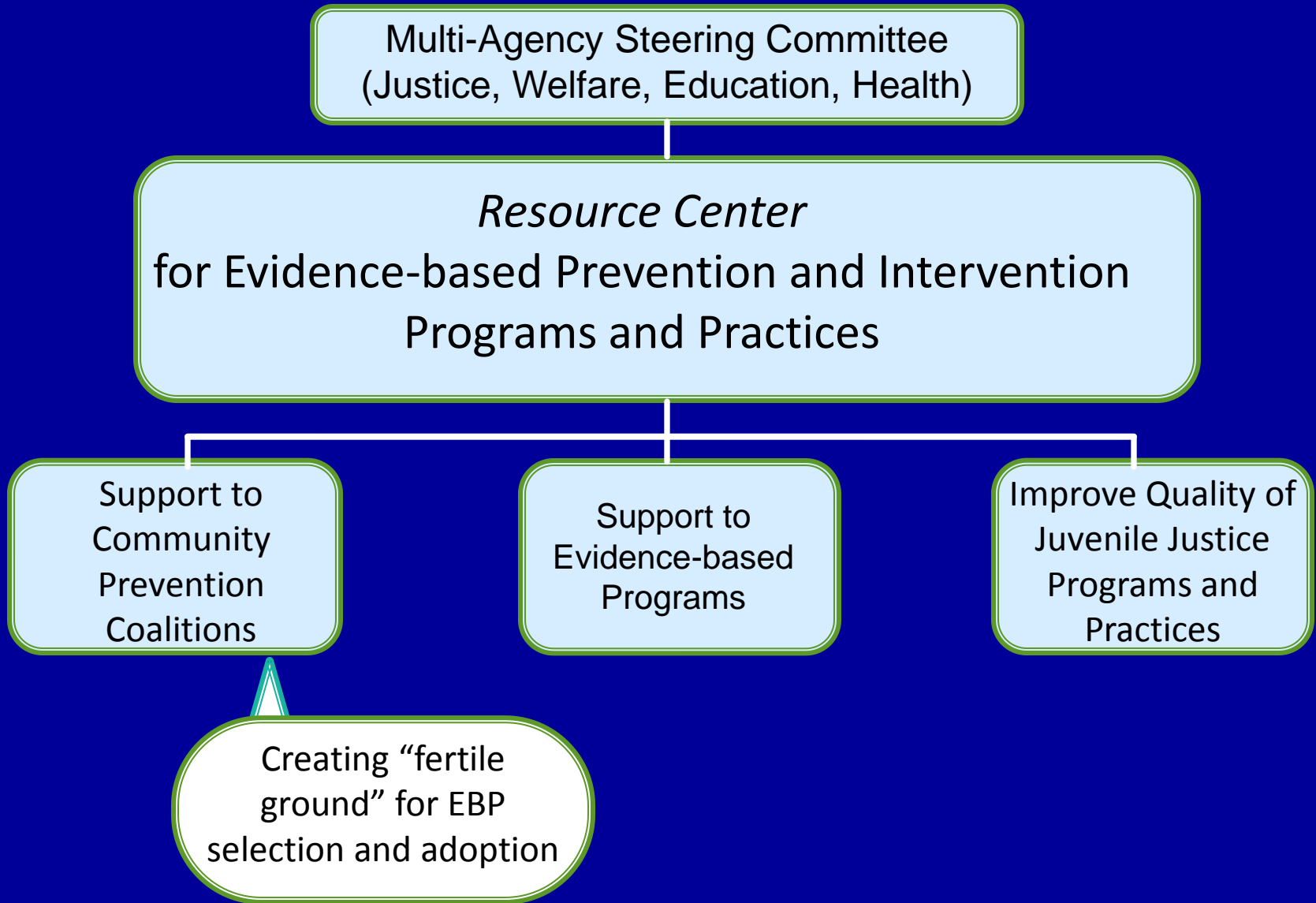
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Juvenile Justice
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Creating “fertile
ground” for EBP
selection and adoption



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Ensuring high-quality
implementation and
sustainability



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Developing “practice-
based evidence”



A 2-pronged approach...



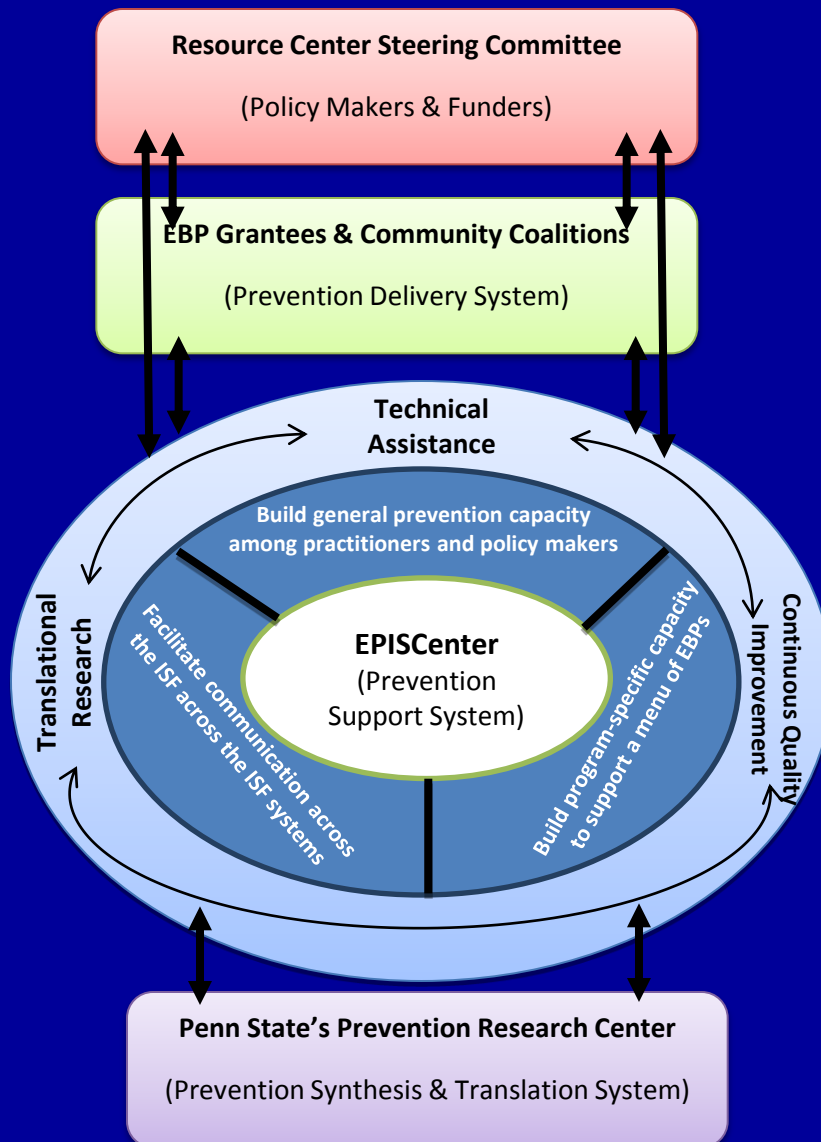
Evidence-based Programs

- Theoretically-based
- Demonstrated effects (confidence)
- Sponsored lists
 - E.g., Blueprints
- Funding requirements

Practice-based Evidence

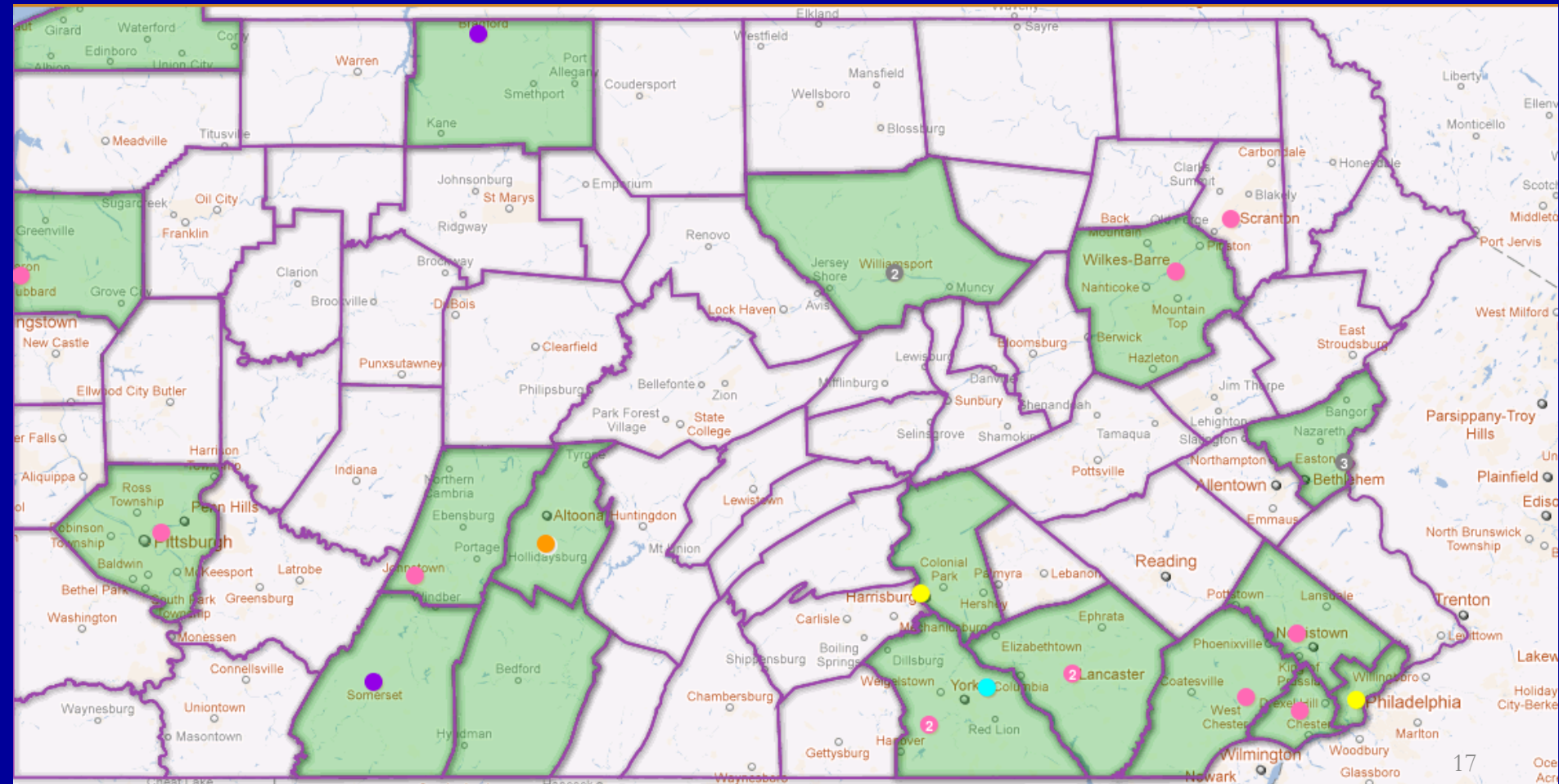
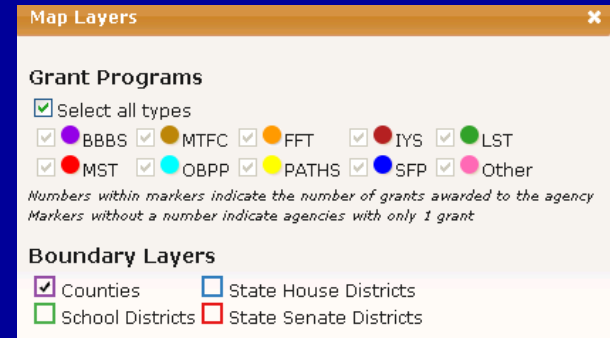
- Not an EBP for every community need
- Many programs already in widespread use
- Some of those may be effective
- Local expertise/fit

Prevention Support System as Infrastructure

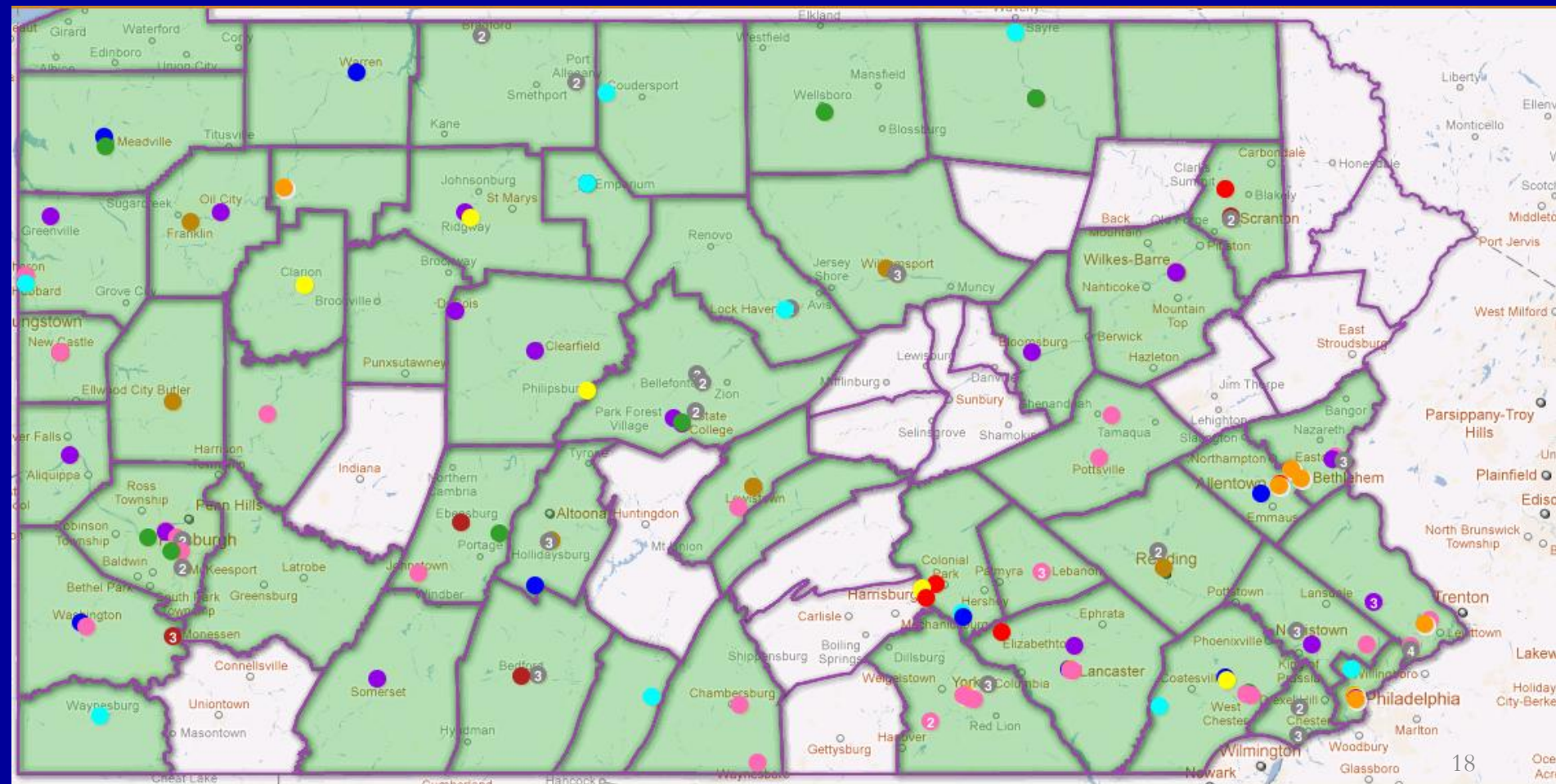
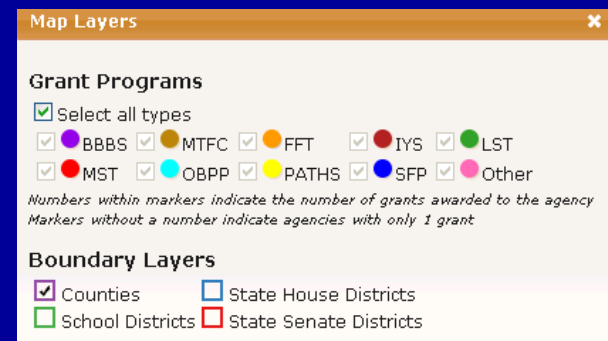


- Infrastructure for both TA and Research (braided)
- Role of TA provider gives access to populations (scale)
- A logical cycle of research, TA, CQI
- Ensures immediacy and policy relevance of research
- Recognizing and engaging funders/policy makers as active partners, not just a “context”
- Broker and facilitator across agencies and stakeholders

Pennsylvania's EBP dissemination in 1999...

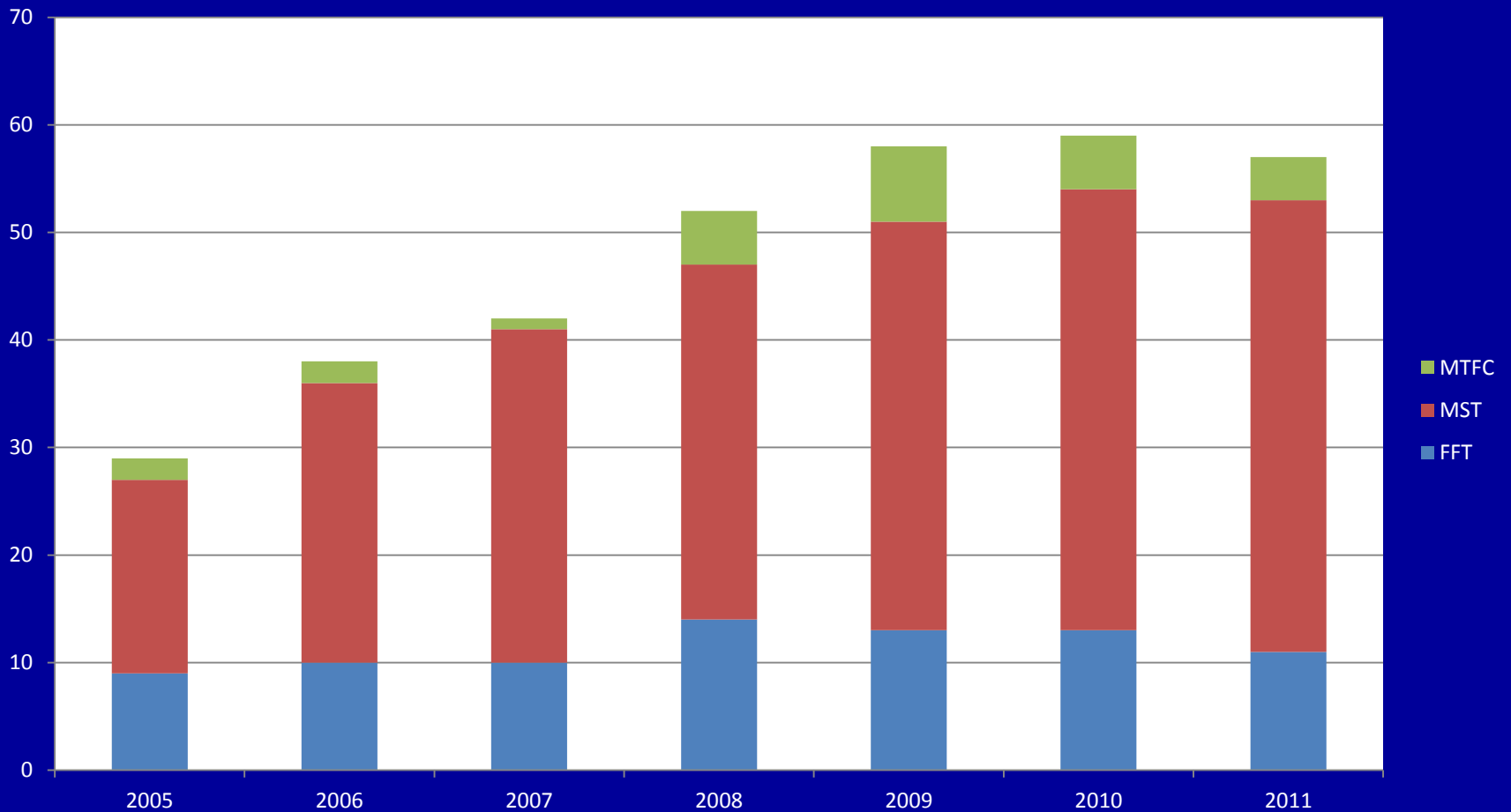


Pennsylvania's EBP dissemination in 2012...

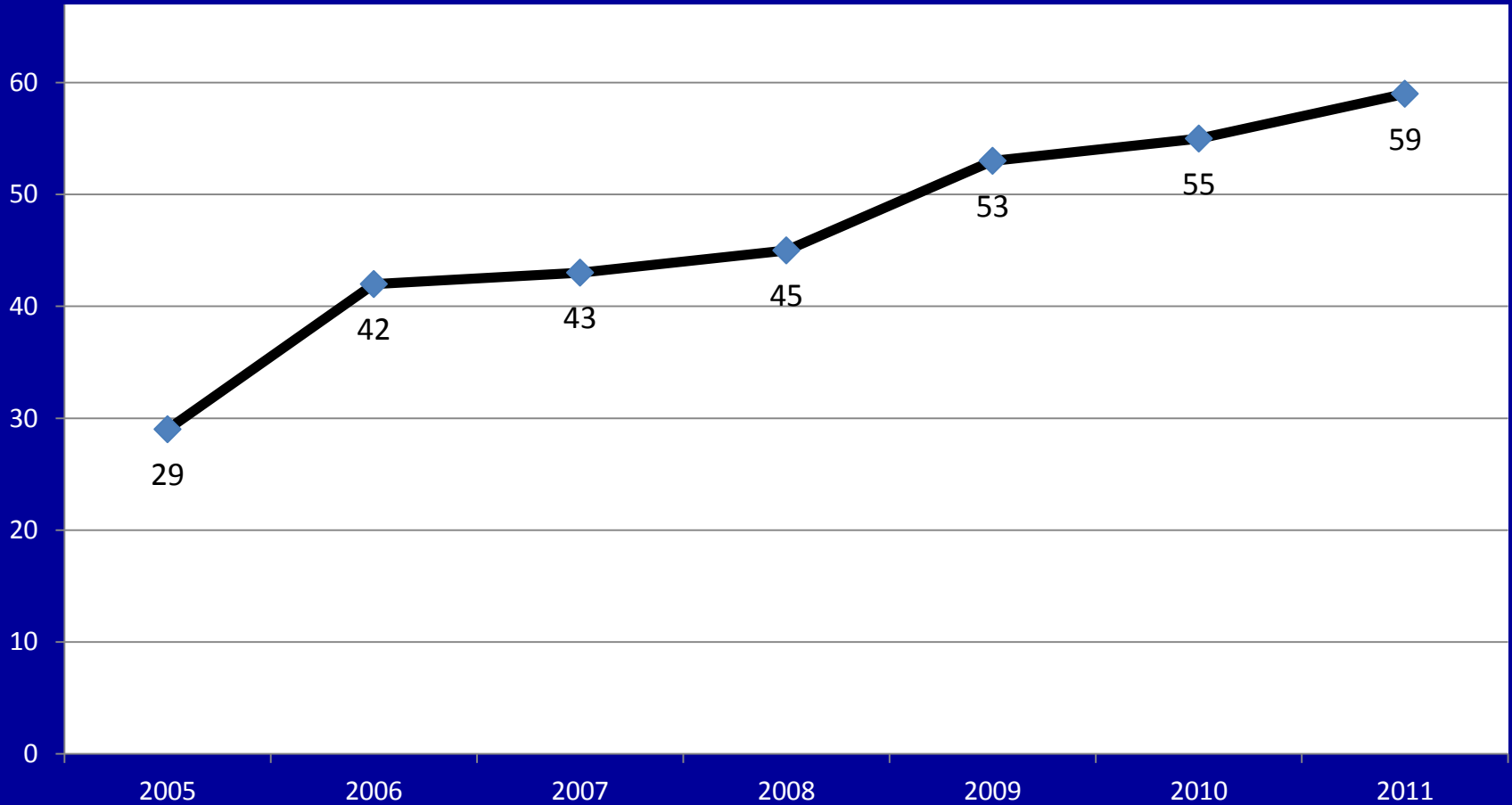


Total Number of EBIs by Year

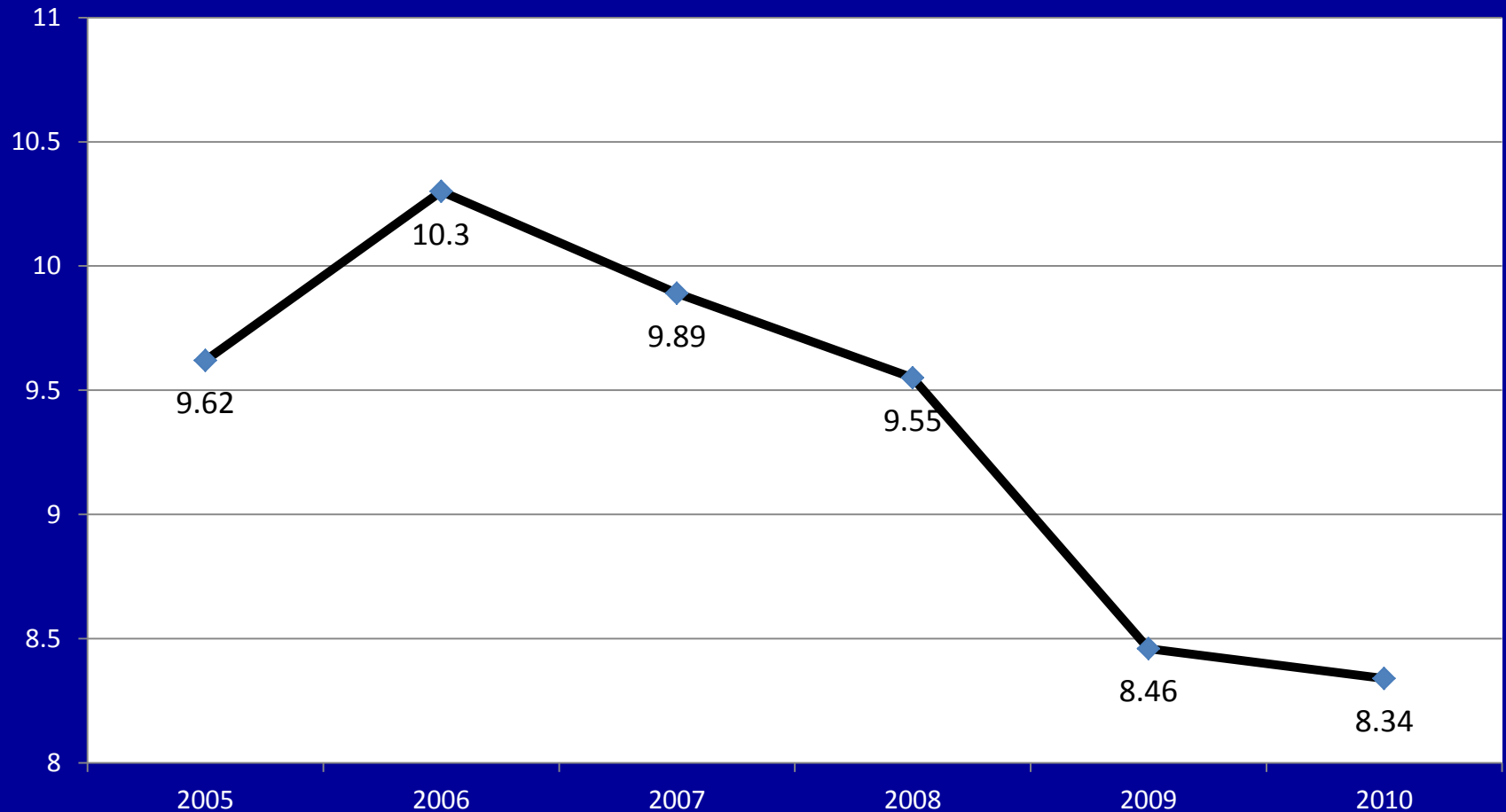
(count of FFT sites, MTFC sites, and MST teams)



Number of Counties with At Least One EBI

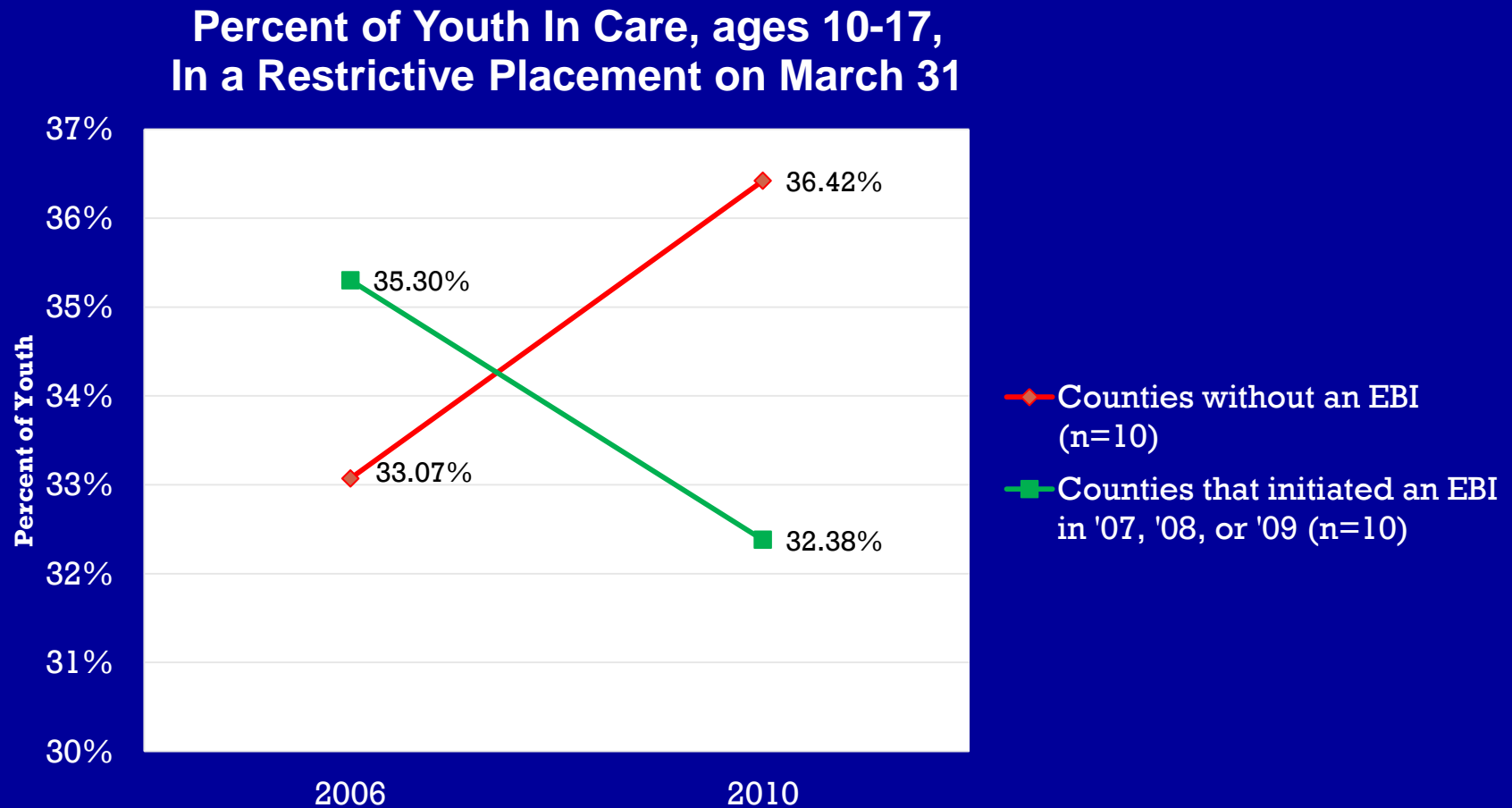


Placements as a percent of juvenile court dispositions (includes disposition reviews and new allegations)



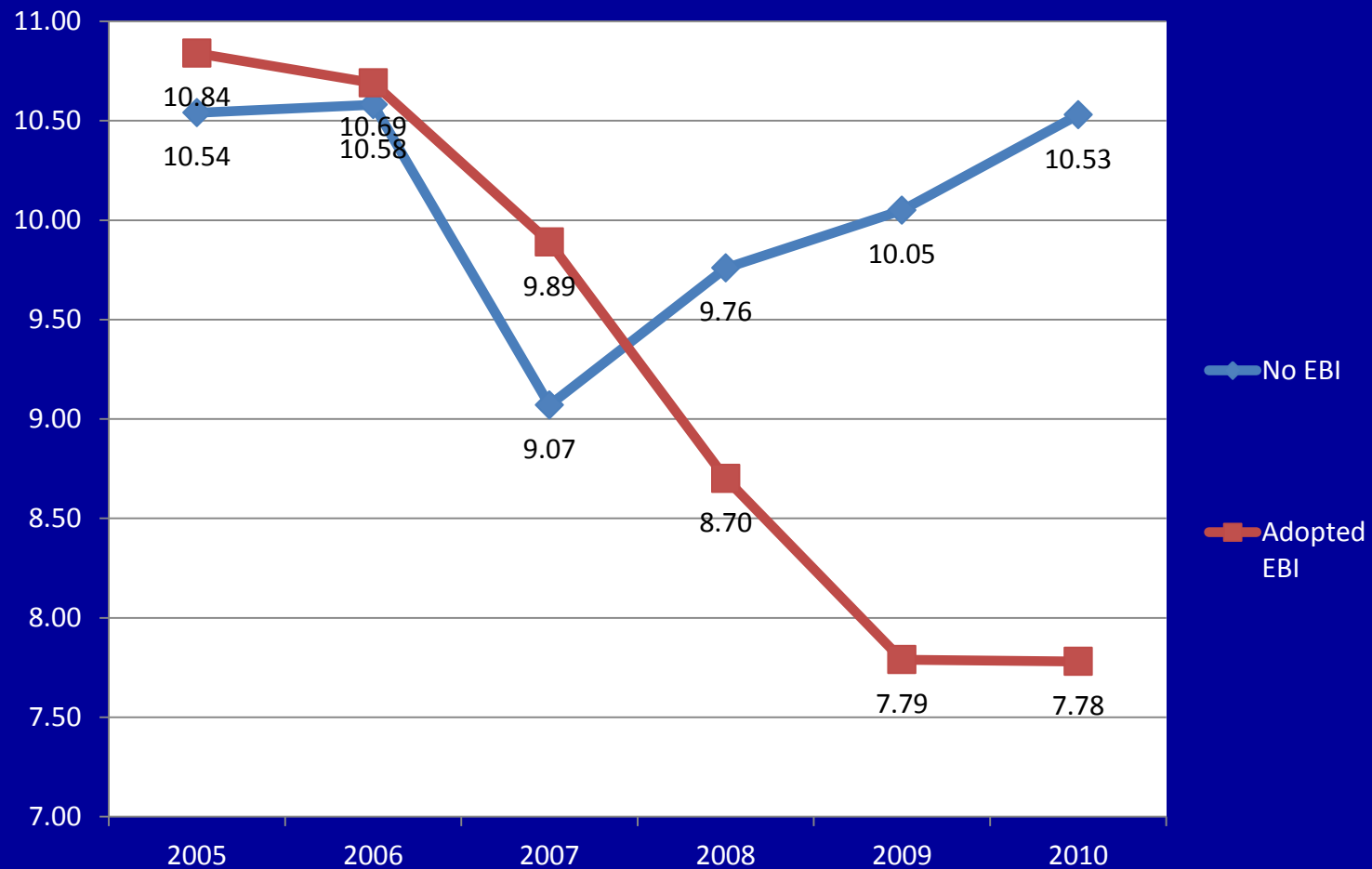
Impact on Youth Placement: 1-day Census

comparison of counties with and without an EBI



Juvenile Court Placement Rates:

Comparison of Placement Rates for Counties* With and Without an EBI



Bumbarger, B. K., Moore, J., & Rhoades, B. (2010). Impact of evidence-based interventions on delinquency placement rates. Presentation at 2011 Society for Prevention Research annual meeting. Washington, DC.

Some concrete examples: Funding Requirements

- Data-informed needs assessment every 2-3 years
 - Primarily from state surveillance survey
- 4 year funding, with graduated local match required
- Detailed letters of support from both program developer and local coalition
 - Fosters culture of regular communication
- Performance measures tied to program logic model
 - Including implementation/fidelity measures
- Quality assurance verification by program developer
 - Including recommendations for strengthening imp.
- Narrative outcomes report

Policy and Practice Innovations

- Development & support of *Communities of practice*
- Performance measures tied to program logic model
 - Including implementation/fidelity measures
- Statewide surveillance system
 - Focus on underlying causal mechanisms vs. narrowly defined behavioral outcomes
- Community collaboratives as local prevention infrastructure
- Ongoing monitoring of implementation
 - Through PMs and QA Certification Process tied to funding

Pennsylvania's EBP dissemination in 2012...

Map Layers

Grant Programs

☒ Select all types

☒ BBBS
☒ MTFC
☒ FFT
☒ IYS
☒ LST

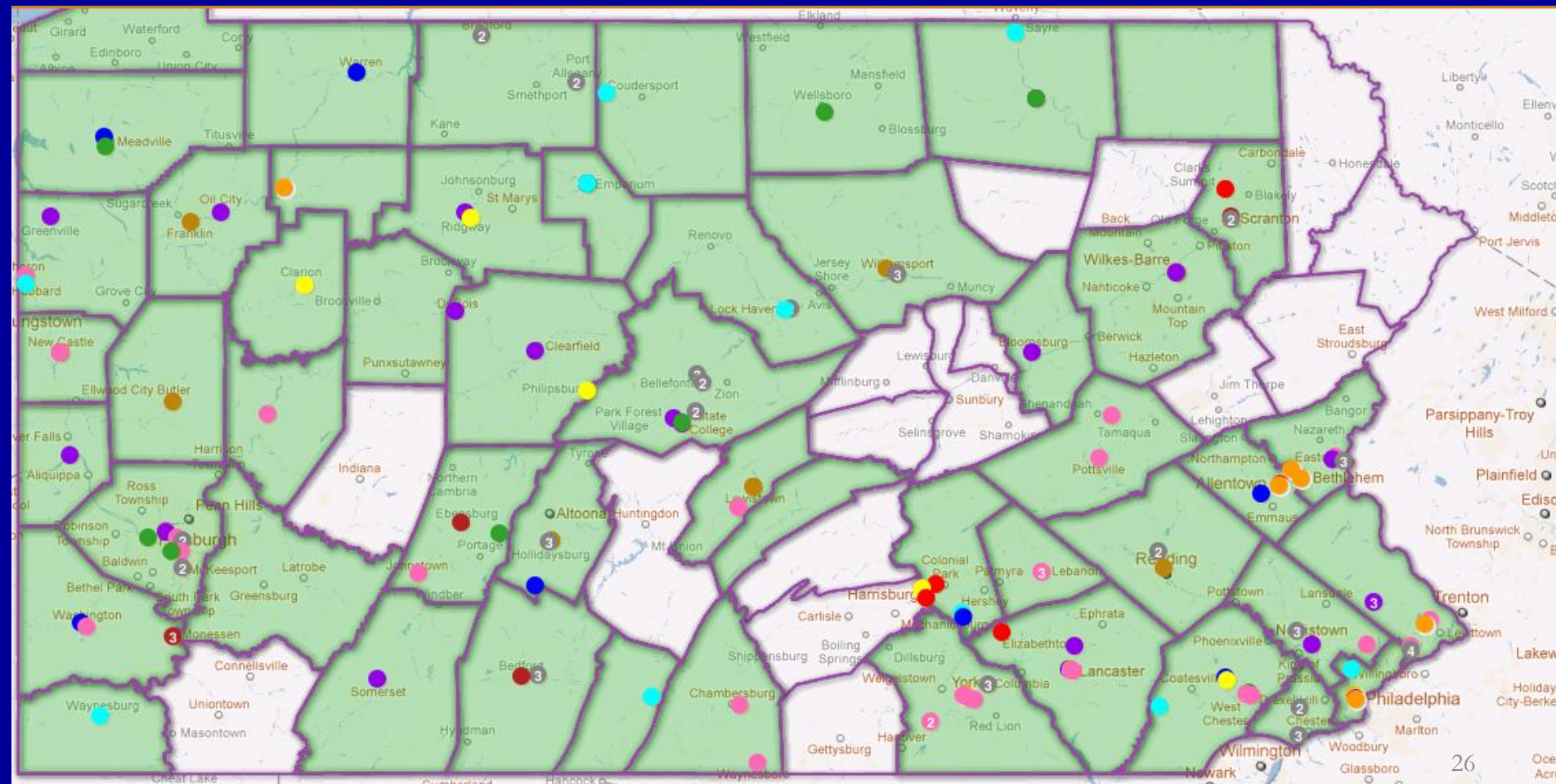
☒ MST
☒ OBPP
☒ PATHS
☒ SFP
☒ Other

Numbers within markers indicate the number of grants awarded to the agency
Markers without a number indicate agencies with only 1 grant

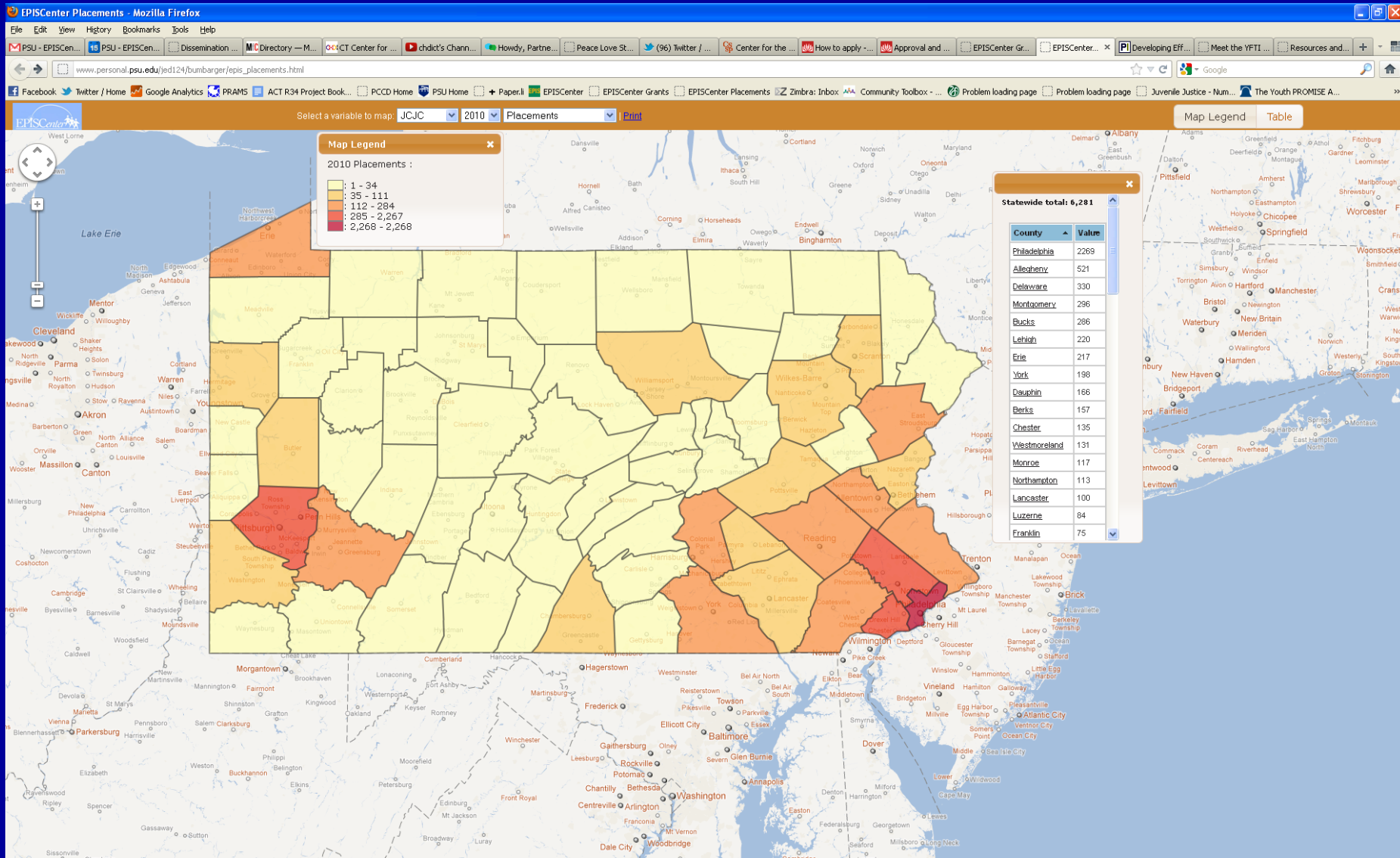
Boundary Layers

☒ Counties
☐ State House Districts

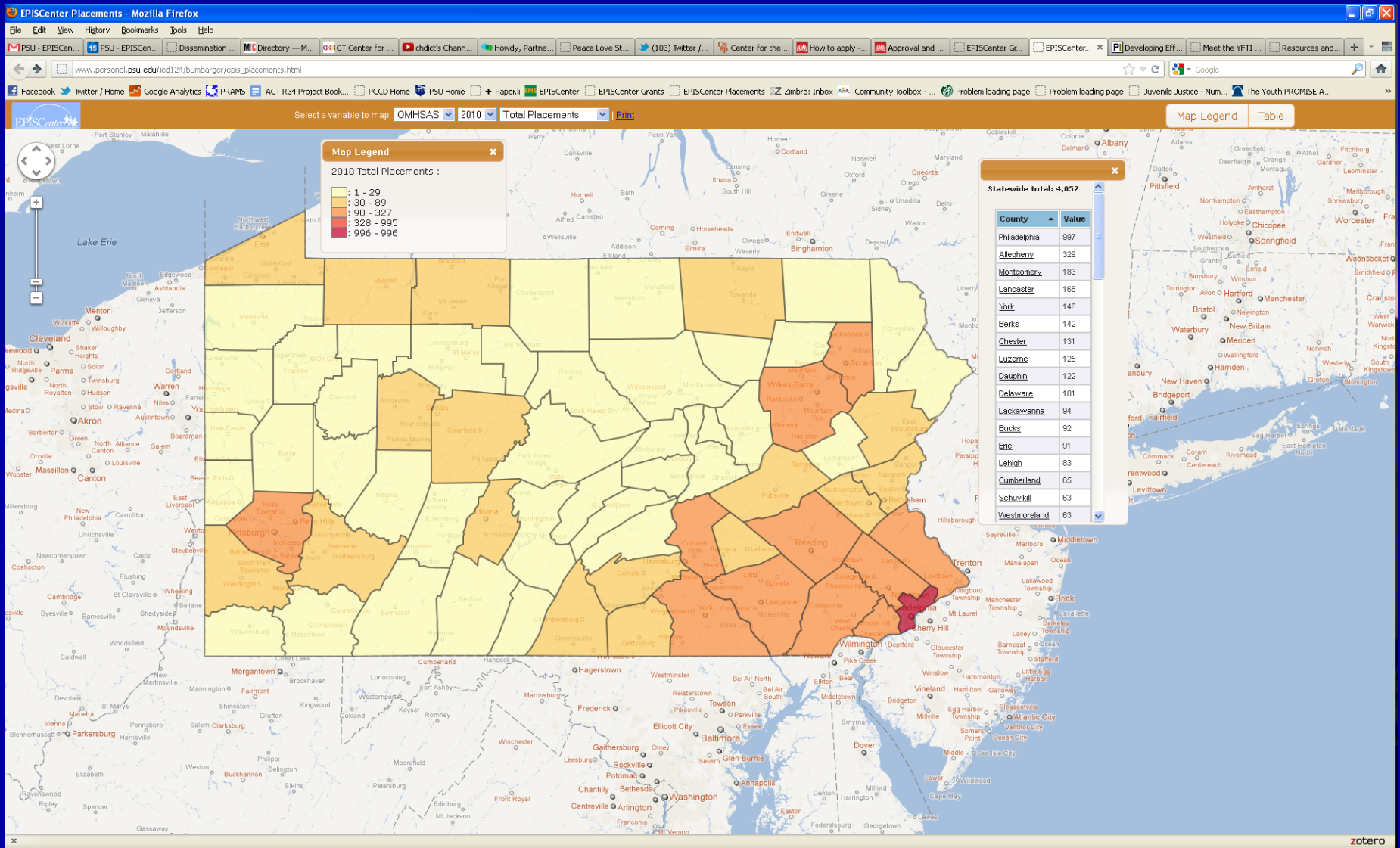
☒ School Districts
☐ State Senate Districts



Pennsylvania Juvenile Court Placements by County



Pennsylvania Youth MH/SA Placement by County



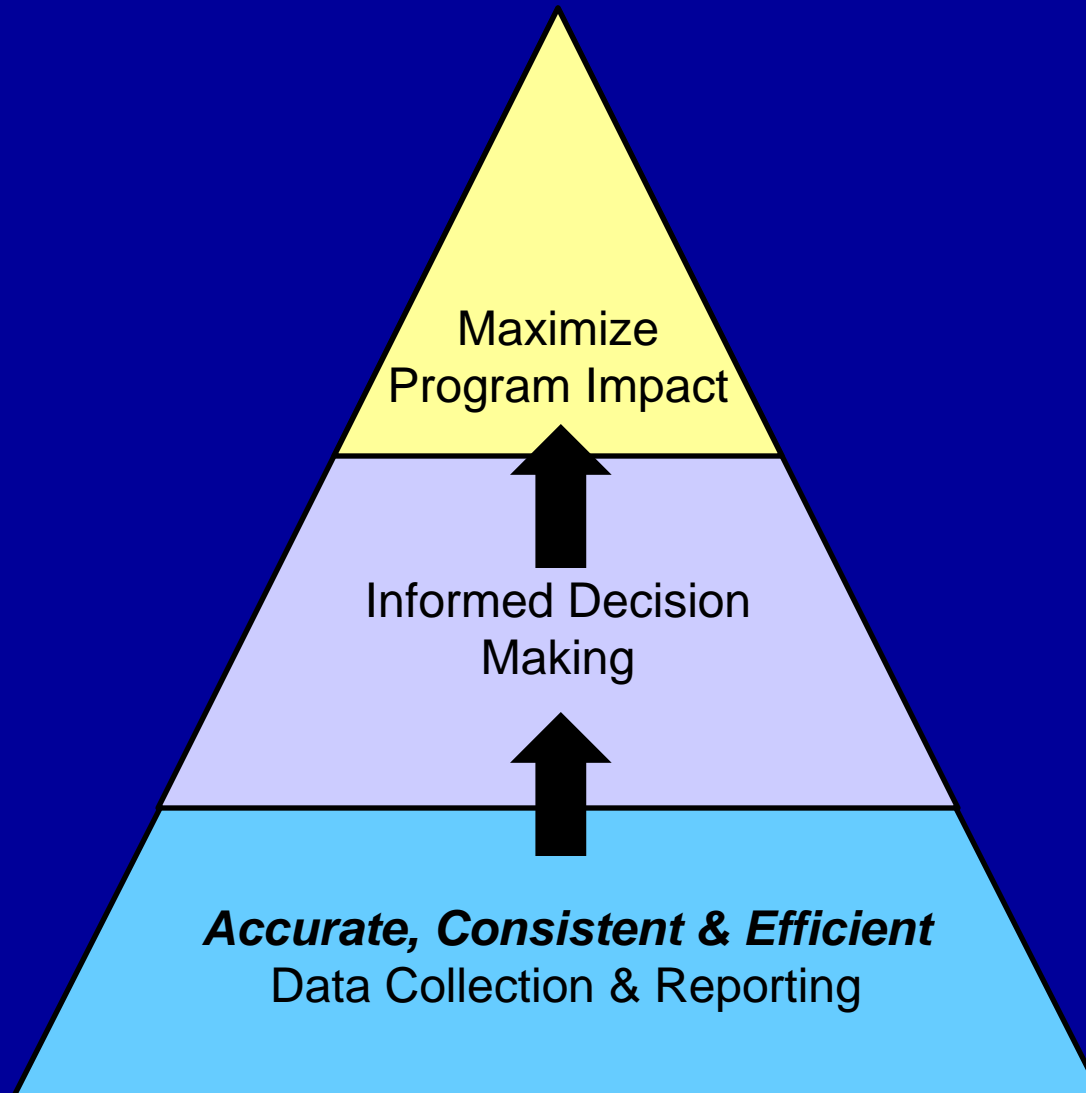
Lessons, observations, epiphanies...

- Dissemination of EBPs is a means rather than an end
- Dissemination and high-quality implementation are often at odds
- Scale-up is different than dissemination, and requires a different approach
- The absence of prevention infrastructure is the root of all evil
- Neither prevention science nor EBPs fill a vacuum

Other “big picture” lessons...

- Some balance between evidence-based practices and practice-based evidence
- Intentional behavior change model – from extrinsic to intrinsic motivation
 - From a culture of compliance to a culture of excellence
 - Demonstrate, experience, build capacity, increase sense of efficacy
 - Greater focus on understanding, communicating and educating on logic models & theory of behavior change

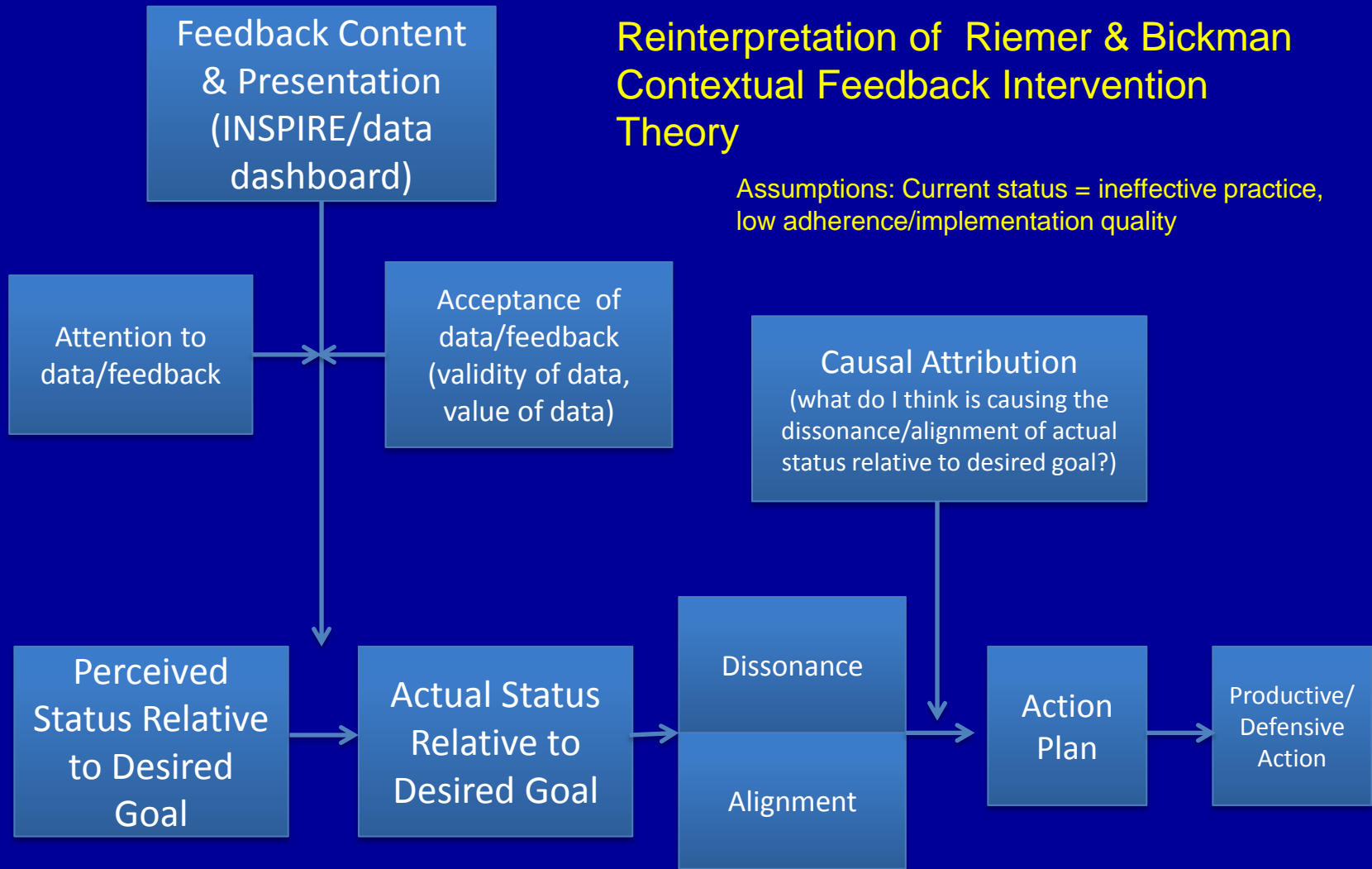
Linking Data to *Action*



Autonomous Goal Setting

Reinterpretation of Riemer & Bickman Contextual Feedback Intervention Theory

Assumptions: Current status = ineffective practice, low adherence/implementation quality



Behavior Change (Problem) & Professional Development (Normative)

Goal Commitment

Goal Attractiveness

Efficacy

Competing Demands

Supporting Factors

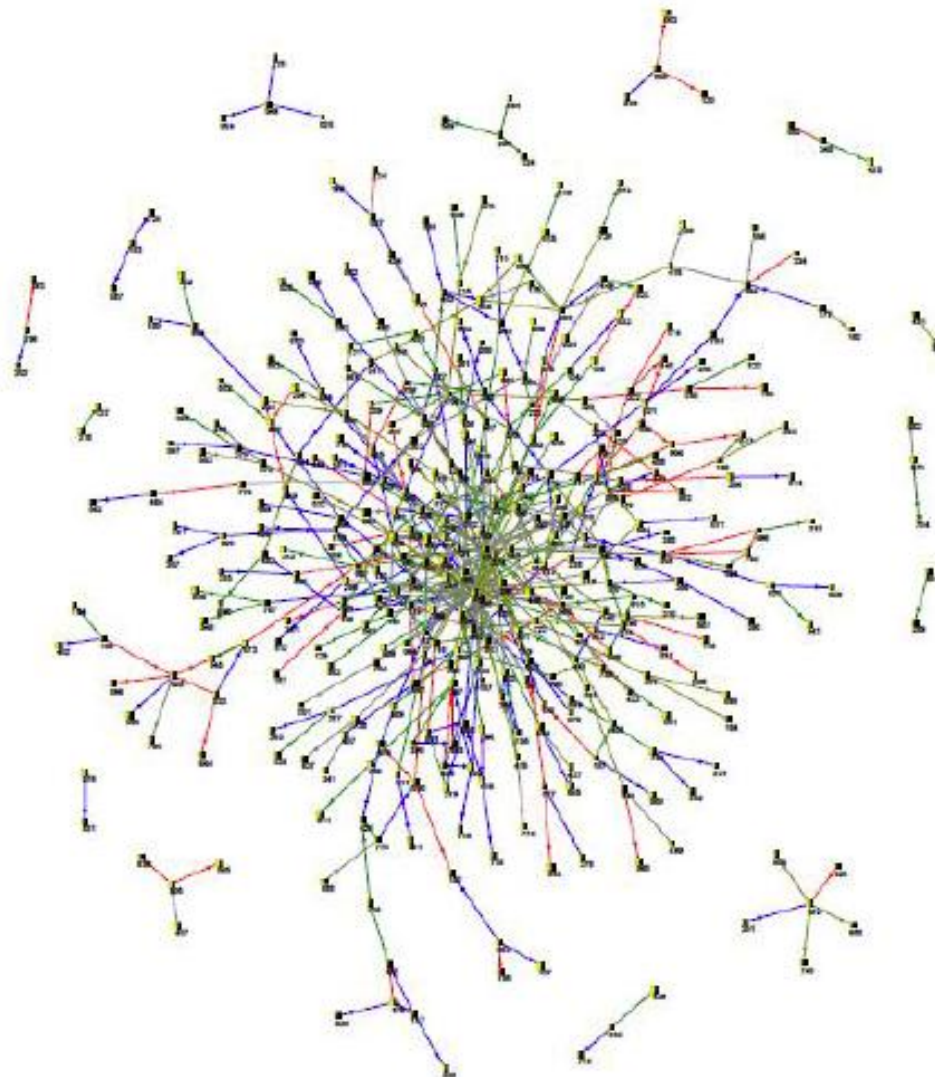
Data/program/goal Alignment

Construct	Productive	Defensive
<u>Feedback – content</u>	Data/program/goal alignment	Misalignment/irrelevance
<u>Feedback – presentation</u>	Empathic, user-friendly, approachable, feel smart!	Unclear, complex, alienating, feel dumb!
	Efficient, nimble	Time-consuming, cumbersome
<u>Attention</u>	Engaged	Disengaged
<u>Acceptance</u>	Valid data	Invalid data
	Valued data	Data not relevant to me
<u>Goal Commitment</u>	Autonomous selection*	External imposition*
	Efficacy	Resentment
	Goal attractiveness	Goal uninteresting
	Managing constraints	Competing demands
<u>Causal Attribution</u>	Accurate attribution	Inaccurate attribution
	Self as active agent	Rationalizing inaction
<u>Action Plan</u>	Social networking	Isolation/avoidance
	TA seeking (e.g. click link)	TA disregard
	Authentic intentions	“Gaming” the system
* Possible experimental conditions		

Advice-Seeking about Juvenile Justice Innovations in Pennsylvania

(382 individuals with 506 links; numbers = individuals)

Advice-Seeking is **daily or more**, **weekly**, **monthly**, **quarterly**, yearly

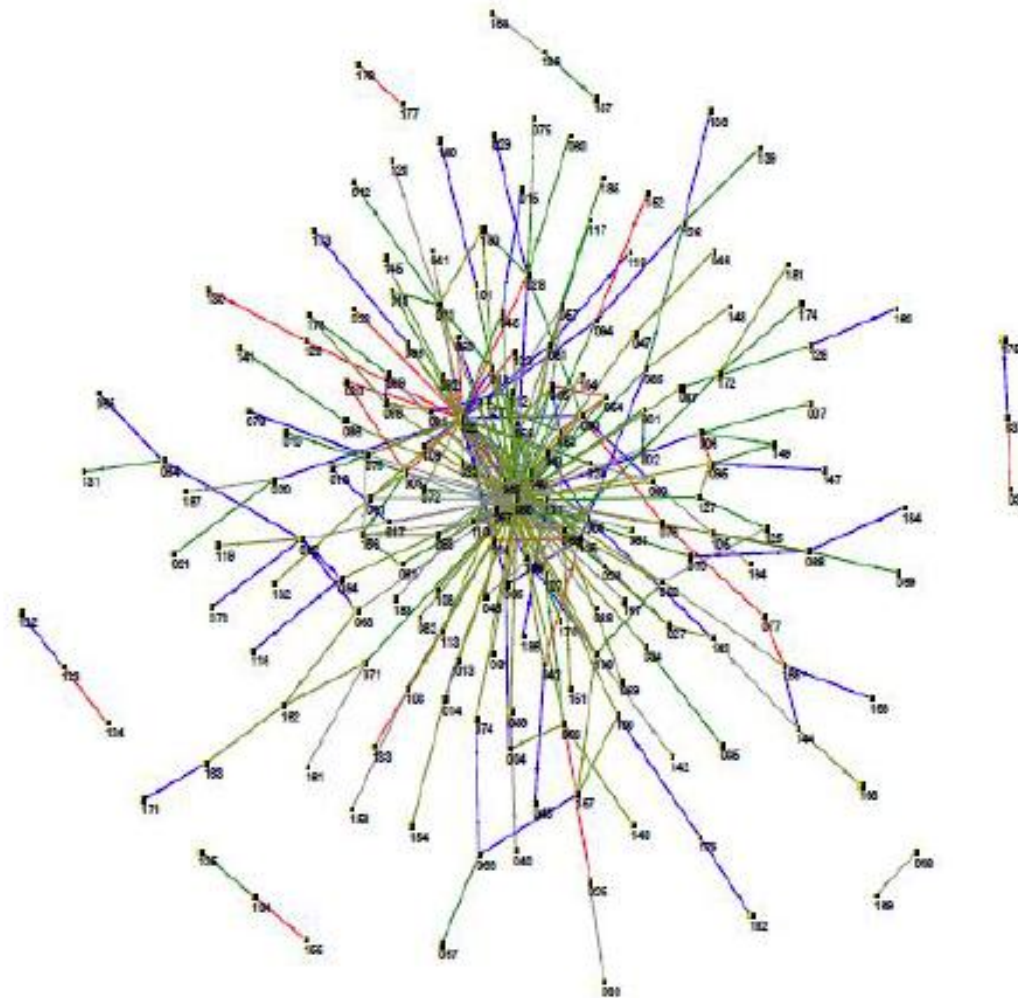


Dearing & Kim 2006, for the John D. and Catherine T. MacArthur Foundation

Advice-Seeking about Juvenile Justice Innovations in Pennsylvania

(187 organizations with 302 links; numbers = organizations)

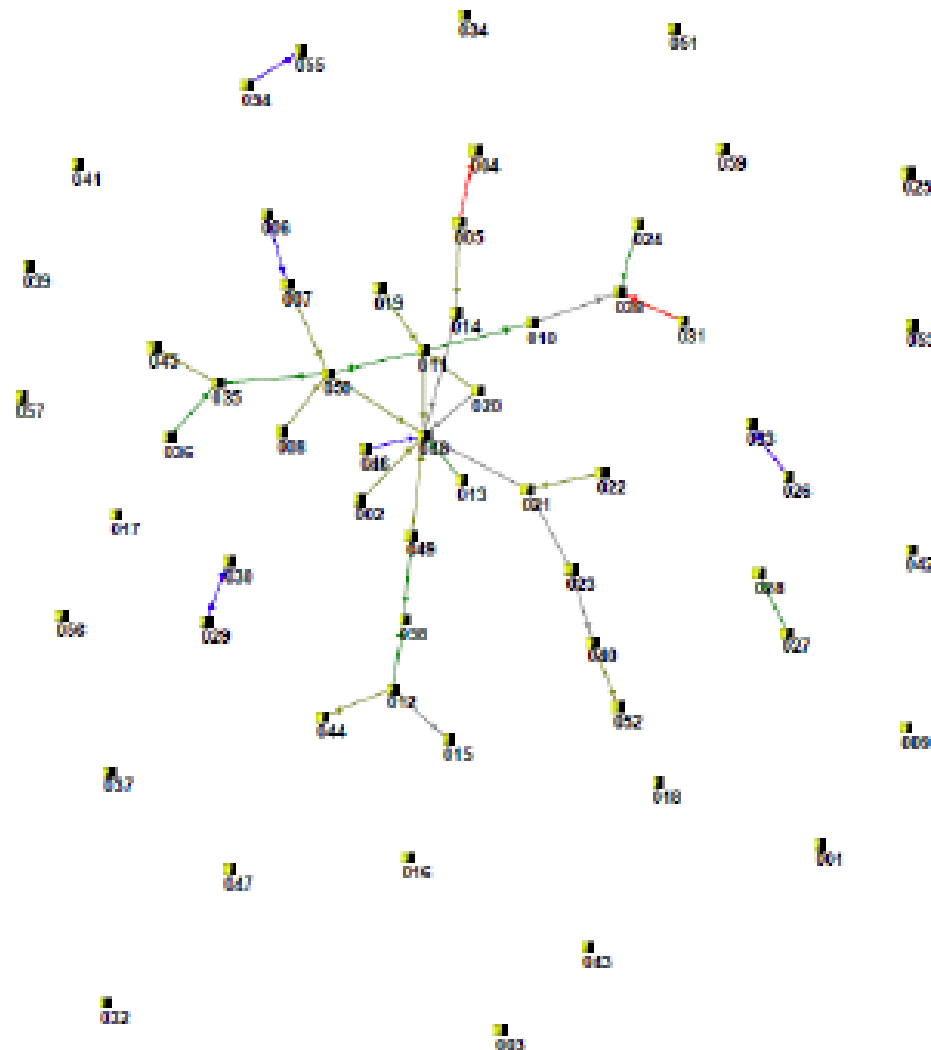
Advice-Seeking is **daily or more**, **weekly**, **monthly**, **quarterly**, yearly



Dearing & Kim 2006, for the John D. and Catherine T. MacArthur Foundation

Advice-Seeking about Juvenile Justice Innovations in Pennsylvania (59 counties with 35 links; numbers = counties)

Advice-Seeking is **daily or more**, **weekly**, **monthly**, **quarterly**, yearly



Dearing & Kim 2005, for the John D. and Catherine T. MacArthur Foundation

Thank You!

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