



How the Good Behavior Game Helps Children Develop in School and Better the World



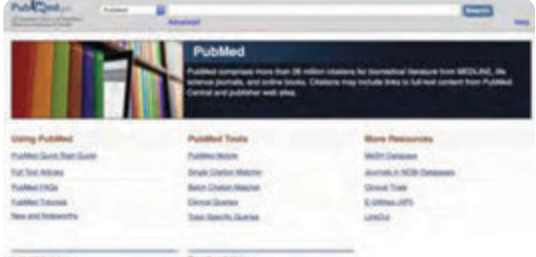
Dennis D. Embry, Ph.D., president/senior scientist, PAXIS Institute, Tucson, AZ;
co-investigator, Johns Hopkins Center for Prevention and Early Intervention



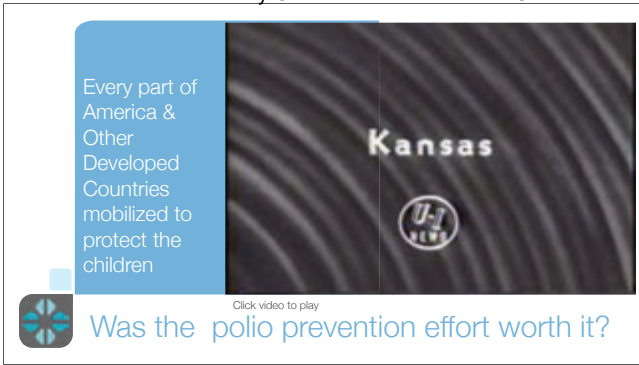
What to do with the info today?

- Act in light of the future.
- Go home and talk to your significant other and friends. Tell them about the amazing things you heard.
- Go talk to three people who influence your schools, local government, state government or federal representatives to pay attention to the trends AND, most importantly, the amazing gold-standard scientifically proven strategies that can happen quickly.
- Ask people to start a project to demonstrate rapid measurable results in your community.





www.pubmed.gov National Library of Medicine



Every part of America & Other Developed Countries mobilized to protect the children

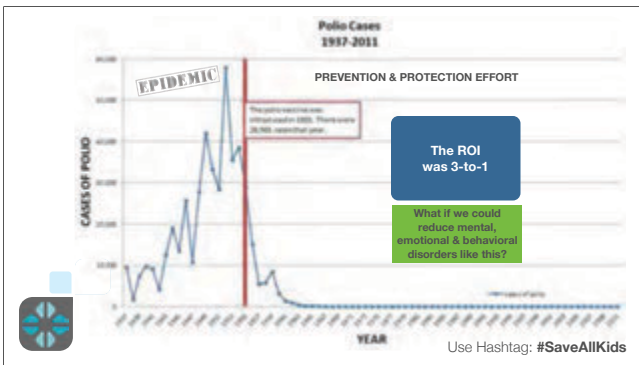
Kansas

U-1

Click video to play

Was the polio prevention effort worth it?

A video player interface showing a presentation slide. The slide has a blue vertical bar on the left with the text 'Every part of America & Other Developed Countries mobilized to protect the children'. The main content area shows the word 'Kansas' in white on a dark background with a circular logo below it that says 'U-1'. Below the video player is a small play button icon and the text 'Click video to play'. At the bottom of the slide is the question 'Was the polio prevention effort worth it?'.



Polio Cases 1917-2011

EPIDEMIC

PREVENTION & PROTECTION EFFORT

CAUSES OF POLIO

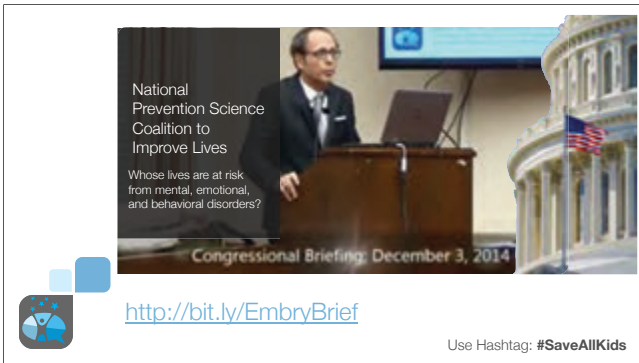
YEAR

The ROI was 3-to-1

What if we could reduce mental, emotional & behavioral disorders like this?

Use Hashtag: #SaveAllKids

A line graph titled 'Polio Cases 1917-2011'. The y-axis is labeled 'CAUSES OF POLIO' and the x-axis is 'YEAR'. The graph shows a sharp increase in cases starting around 1917, peaking around 1955, and then a dramatic decline to near zero by the late 1970s. A vertical red line marks the transition from 'EPIDEMIC' to 'PREVENTION & PROTECTION EFFORT'. A blue box on the graph states 'The ROI was 3-to-1'. A green box below it asks 'What if we could reduce mental, emotional & behavioral disorders like this?'. At the bottom right, it says 'Use Hashtag: #SaveAllKids'.



National Prevention Science Coalition to Improve Lives

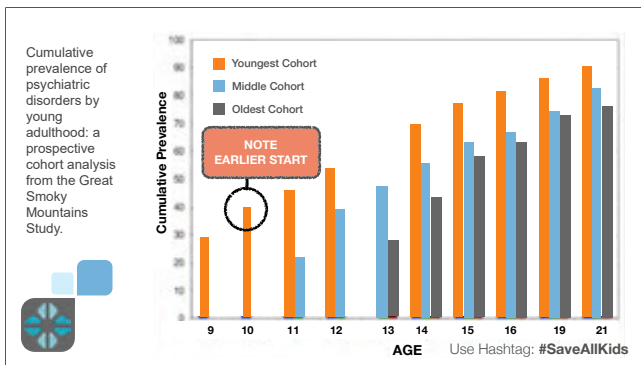
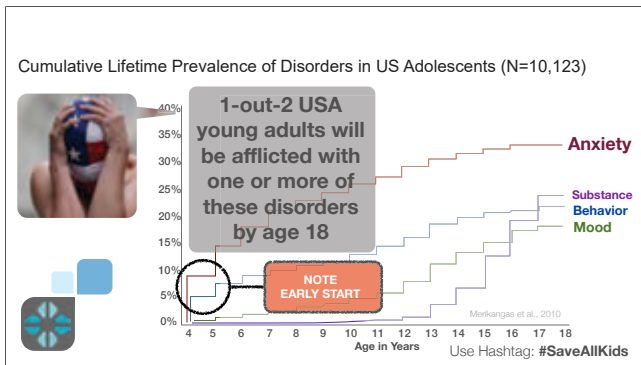
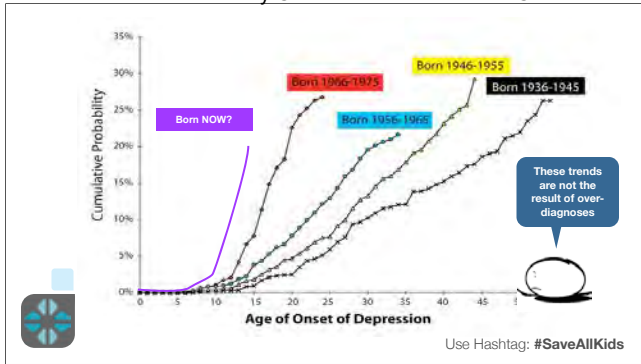
Whose lives are at risk from mental, emotional, and behavioral disorders?

Congressional Briefing: December 3, 2014

<http://bit.ly/EmbryBrief>

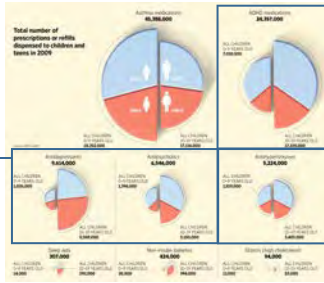
Use Hashtag: #SaveAllKids

A slide from a congressional briefing. It features a photo of a man in a suit speaking at a podium. The text on the slide includes 'National Prevention Science Coalition to Improve Lives', 'Whose lives are at risk from mental, emotional, and behavioral disorders?', and 'Congressional Briefing: December 3, 2014'. Below the photo is a URL 'http://bit.ly/EmbryBrief' and the text 'Use Hashtag: #SaveAllKids'.



The US had 75 million children and teens 2009

45.6 million kids (60%) had one psychotropic med in 2009



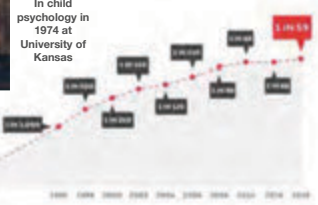
Wall Street Journal, 12-28-2010

Use Hashtag: #SaveAllKids

AUTISM STATISTICS & COST



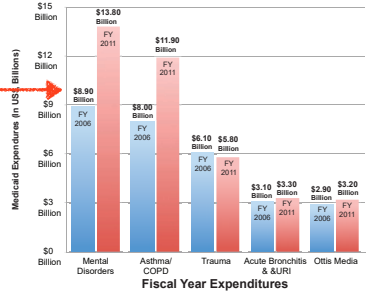
Me in grad school, in child psychology in 1974 at University of Kansas



Medicaid Expenditures for the Five Most Costly Conditions in Children



The cost of Mental Disorders is increasing \$1 billion per year




Source: Center for Financing, Access, and Cost Trends, Agency for HealthCare Research and Quality, 2006, 2011

In the United States,

4,072,375

Young people started First Grade this year...

...123,637 of the boys will commit a serious violent crime by age 21




In the United States,

4,072,375

Young people started First Grade this year...

...783,036 of the boys will have a serious drug addiction by age 21




In the United States,

4,072,375

Young people started First Grade this year...

...391,518 of the boys will have a tobacco addiction by age 21

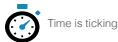



In the United States,

4,072,375

Young people started First Grade this year...

...**412,124** of the boys will have an alcohol addiction by age 21

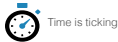



In the United States,

4,072,375

Young people started First Grade this year...

...**865,461** of the boys will have required special services by age 21



In the United States,

4,072,375

Young people started First Grade this year...


...**375,269** of the girls will have suicidal ideation by age 21



In the United States,

4,072,375

Young people started First Grade this year...
...**494,549** of the boys will have suicidal ideation by age 21



In Arizona,

87,000

Young people started First Grade this year...
...**2665** of them will commit a serious violent crime by age 21





Cost \$77.9 billion in 2012...Much more today, mostly for behavioral disorders

Most of this increase is attributable to an increase in the number of children in special education rather than to an increase in per-pupil costs.

Aron, L., & Loprest, P. (2012). Disability and the Education System Children with Disabilities, 22(1), 97-122.



Question 1: Do you believe the often made statement that psychiatric disorders are not preventable?

Question 2: Can we treat our way out of the problem?

Question 3: Would you like to know about practical ways prevent mental illness among our children?



If Now is The Time,
THE TIME IS
NOW



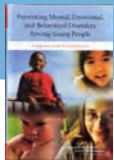
The 2009 Institute of Medicine Report





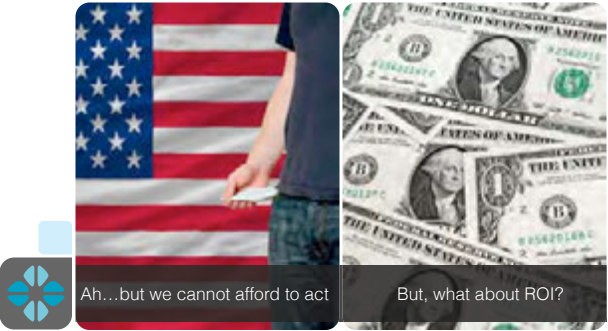
By a "fourth miracle" of learning self-regulation, self-control over attention, while working with peers and adults—during any school activity?

What if 1st grade could reduce those numbers?




That is what the 2009 IOM Report cites.






Ah...but we cannot afford to act

But, what about ROI?




What are the universal mechanisms that cause all these problems and prevent or reduce the psychiatric disorder?



Predatory Environments

Limited Reinforcement of Prosocial Behaviors

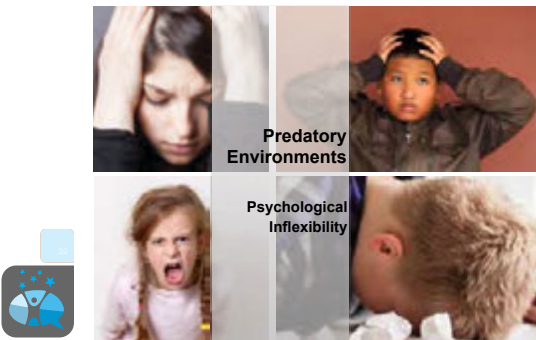
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Predatory Environments

Inconsistent Limits on Problematic Behavior

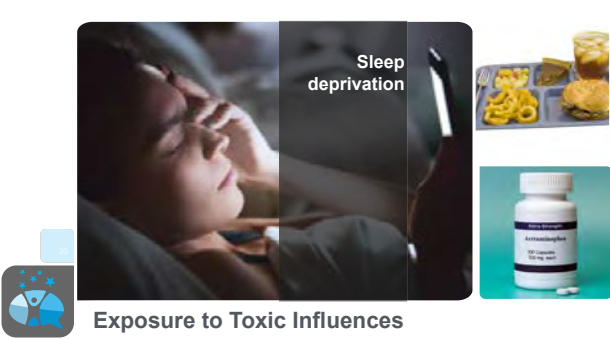
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Predatory Environments

Psychological Inflexibility

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Sleep deprivation

Exposure to Toxic Influences

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And, We know today what
we can do right **now**.
Let's not waste **time**.
