Parent-Based Interventions in sensitive phases of life: Late Adolescence and Emerging Adulthood

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For more info: http://bbh.hhdev.psu.edu/lab/prcasp/

Why Do Youth Drink?

1) Peer Influences

Baer, 1994 Bergen-Cico, 2000 Borsari & Carey, 2000 Corbin et al., 2011 Hawkins et al., 1992 LaBrie et al., 2007 Neighbors et al., 2004 Park et al., 2009 Read et al., 2005



2) Elevated Availability/Increased opportunities Saltz et al. 1995-2008

Grube et al., 2000-2008



Why Do Youth Drink?

3) Increased Willingness Mallett et al. 2010



Why Do Students Drink?

4) Reduced Social Controls

Abar et al., 2007-2009 Chassin et al., 2004-2008 Turrisi et al., 2000-2010 Patock-Peckham & Morgan-Lopez, 2007

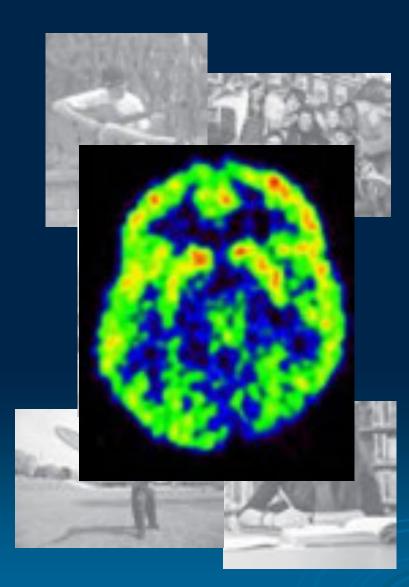




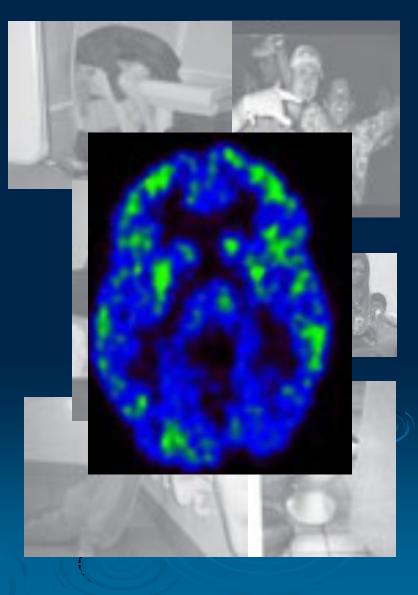




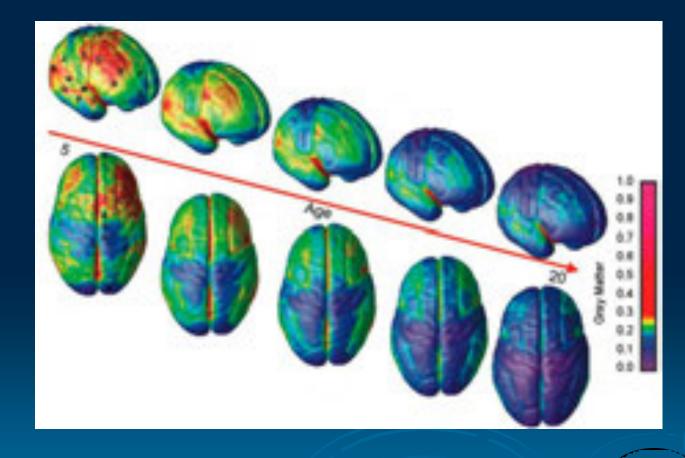








Brain Development & Self-Regulatory Behavior



Brain tissue changes in development, from 5 to 20 years old.

Red to purple imaging (decrease in gray matter) show the maturation of the brain.

Picture: Paul Thompson, Ph.D. UCLA Laboratory of Neuroimaging

Stages of Prevention

Phase 1: Identifying and understanding the problem

Phase 2: Developing interventions efficacious in controlled studies

Phase 3: Effecting change on the population as a whole through effectiveness/dissemination



Prevention Studies

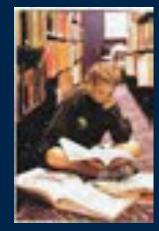
General population

High-risk environment

High-risk sample

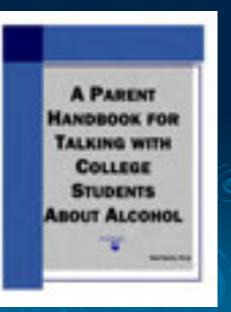
e.g.,

Turrisi et al., 2001 Turrisi et al., 2006 Ray et al., 2006 Ichiyama et al., 2009 Turrisi et al., 2009a Testa et al., 2010 Turrisi et al., 2010 Doumas et al., 2013 Cleveland et al., 2013 Turrisi et al., 2013 Varvil-Weld, et al., 2013



Parent-Based Intervention

- Brief Intervention
- Target Audience Typical Families
- Written Handbook
- Motivation, Knowledge & Skills
- Behavioral Decision Theory



PBI: Talking About Alcohol

Specific Components:

Parental Reluctance to Talk About Alcohol

How Alcohol Works in the Body

Physical & Psychological Effects

Setting Limits

Reasons Why Teens Drink

Reasons Why Teens Do Not Drink

Binge Drinking: Drinking to Get Drunk

Did You Drink When You Were a Teen?

Warning Signs of a Potential Problem

Riding w/a Drunk Driver

Preventing a Friend From Driving Drunk

Targeted Outcomes:

Attitudes toward Drinking Activities

Attitudes toward Non-Drinking Activities

Positive Expectancies

Perceptions of Enhanced Social Behavior

Normative Peer Approval

Negative Affect

Perceptions of Risk

Protective Behaviors

Health Motivation

Assertiveness

Feedback We're Hearing

52 yr old father of 18 yr old female

"This information is of great value to a concerned parent. The communication techniques presented are excellent and very thorough."

"The "Reacting to what you hear" section in the "Improving Communication in General" chapter was excellent. Also, the Chapter "Talking about Alcohol" is excellent for a parent who has not been talking about the effects of alcohol. Very good for parents who have a difficult time with communicating with their teen - this book helps with that (not just about issues with alcohol)."

45 yr old mother of 18 yr old female

"Thank you for allowing me to participate. I found all of the material very useful and informative. Thanks for sending me a clean copy to share with a friend who has a teen who is currently facing several of these issues; I believe this handbook will help that mom a great deal."

55 yr old female of 18 yr old male 41 yr old mother of 18 yr old female

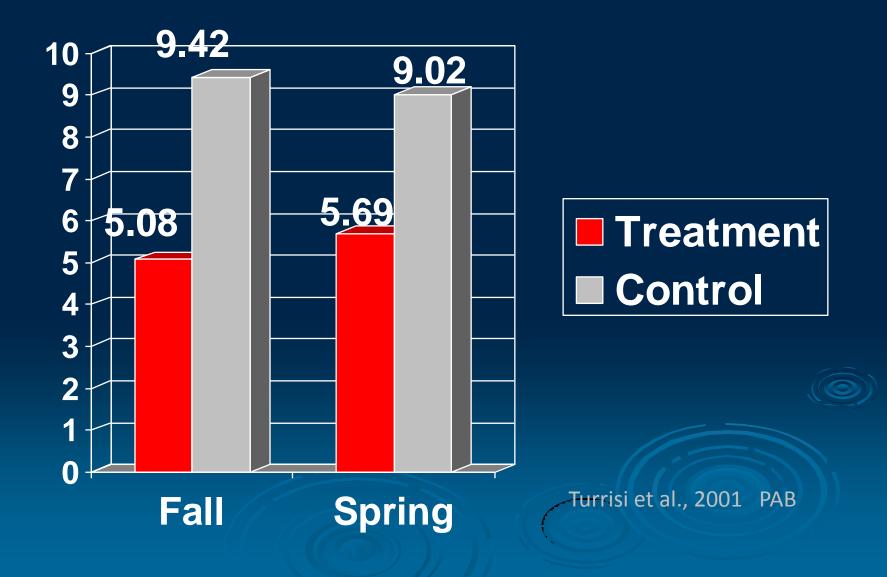
> "There were many good points in each section of the handbook. I found it easy to relate to the "parent and teen responses" section. This handbook has brought up issues that I hadn't thought of before. Overall I found this handbook to be extremely useful."

Efficacy and Effectiveness Trials

- Will parents implement an intervention, and will it work? (Turrisi et al. 2001 PAB)
- Will PBI change culture in a high risk environment? (Ray et al., 2006 RSA)
- Will PBI affect transitions between drinking groups? (Ichiyama et al., 2009 JSAD)
- Will PBI decrease incidence of sexual consequences? (Testa et al., 2010 PS)
- Do combined interventions work for high risk groups? (Turrisi et al., 2009 JSAD)
- Does timing/dosage affect intervention effectiveness? (Turrisi et al., 2013)

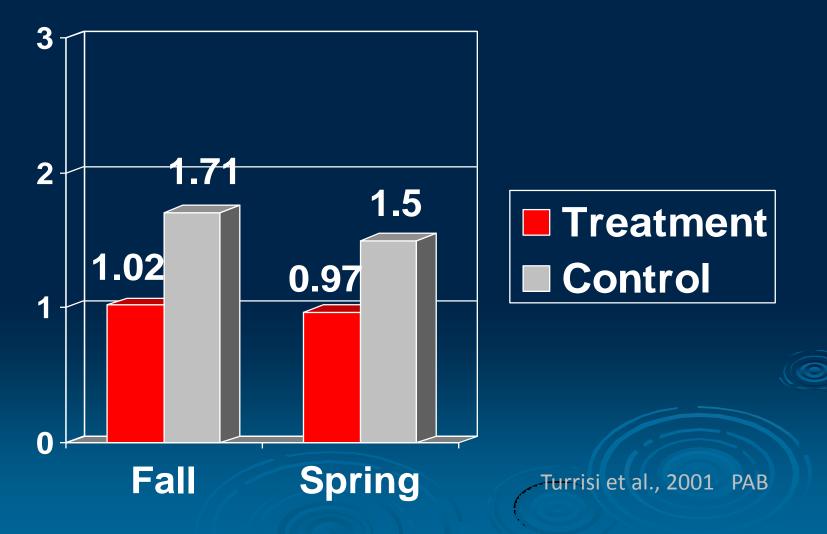
Weekend Drinking (DDQ)

Group F (1, 888) = 36.16 Interaction F (1, 888) = .63



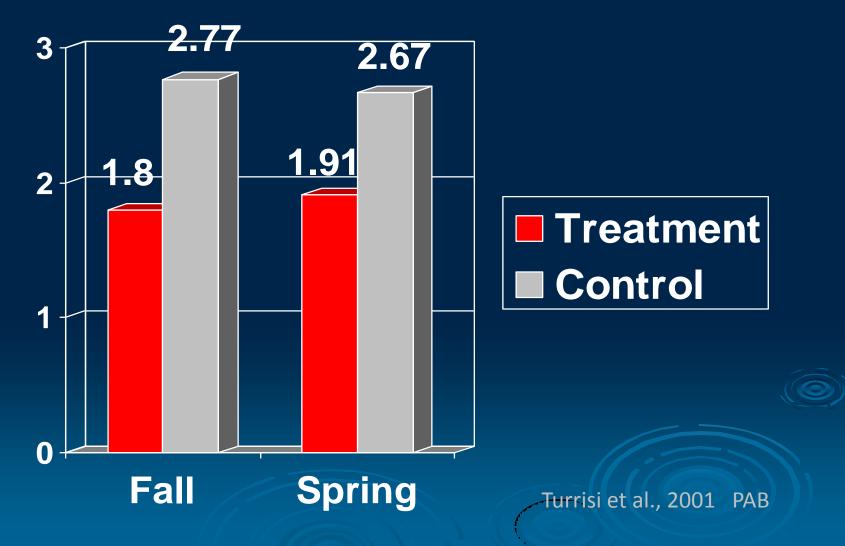
Heavy Episodic Drinking

Group F (1, 888) =17.51 Interaction F (1, 888) = .50

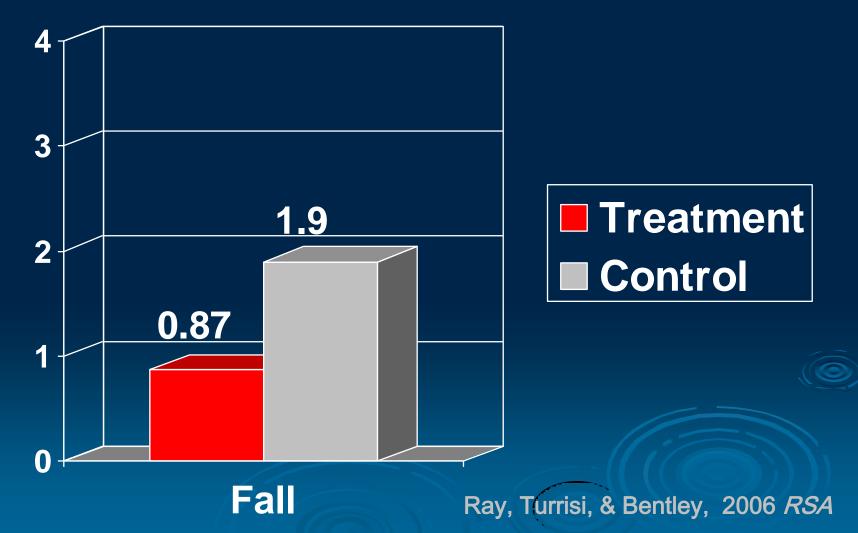


Smoked

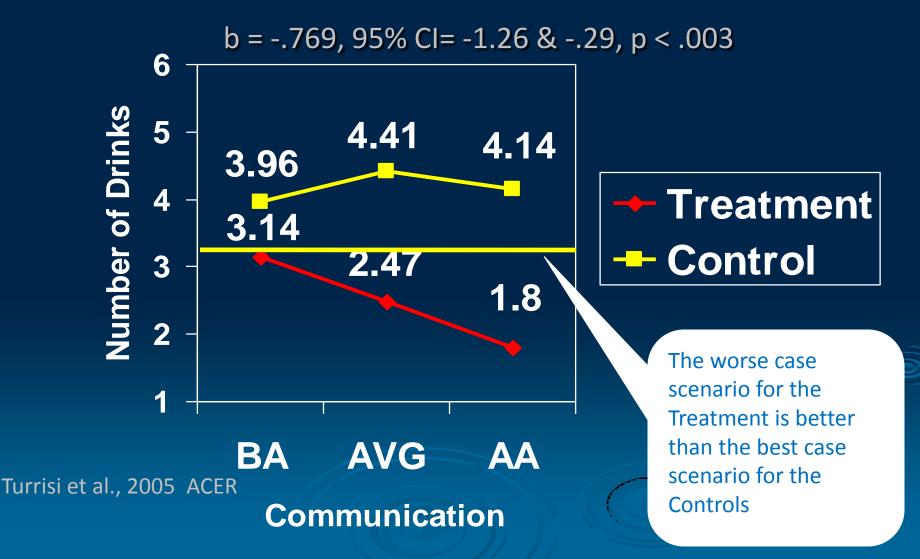
Group F (1, 899) = 53.91 Interaction F (1, 899) = .82



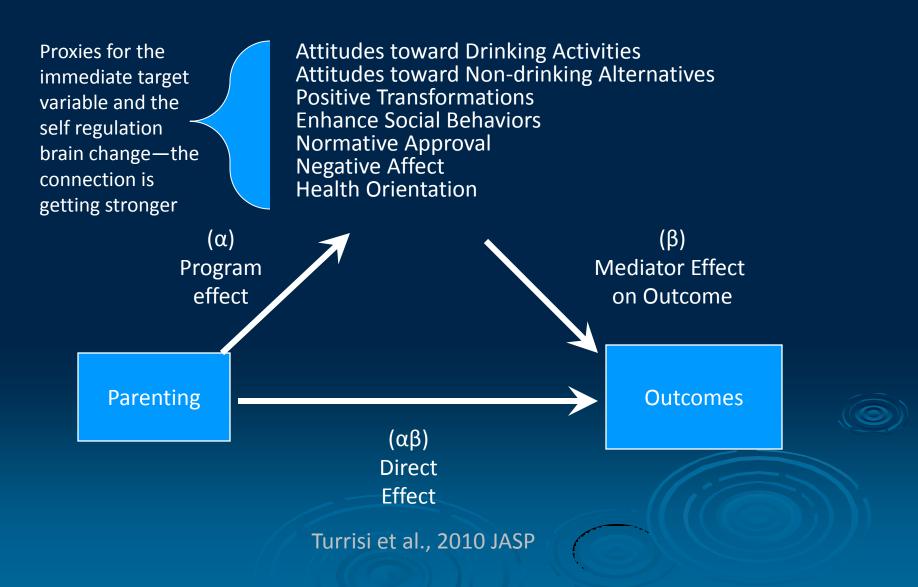
High Risk: Heavy Episodic Drinking (2 Week Period)



Positive Communication: DDQ Saturday



Why Does it Work?



Is it Effective at Changing Risk Profiles? Turrisi et al., 2013 JSAD

Project ACT

Different Profiles



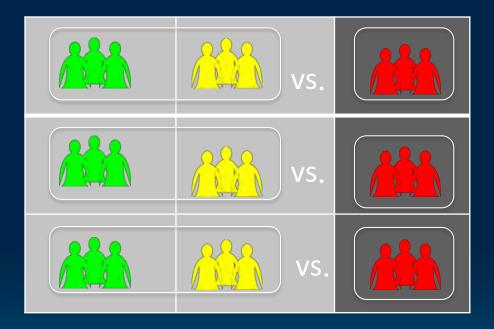
 Simply counting the number of drinks does not paint the whole picture



Identify Different Types of Profiles

	Non- Drinker	Weekend Non- Binger	Weekend Binger	Heavy Drinker
Past Month Drink	0.10	0.99	1.00	1.00
Past Month Drunk	0.00	0.53	0.99	1.00
2-Week Binge	0.00	0.10	0.83	0.95
BAC > 0.08	0.00	0.23	0.89	0.94
Weekday	0.00	0.05	0.08	0.30
Thursday	0.00	0.06	0.02	0.74
Weekend	0.02	0.65	0.88	0.98

Is it Effective at Changing Risk Profiles? Turrisi et al., 2013 JSAD



Long term:

> High risk (heavy drinker) transitioned out of profile

Weekend binge transitioned out of profile

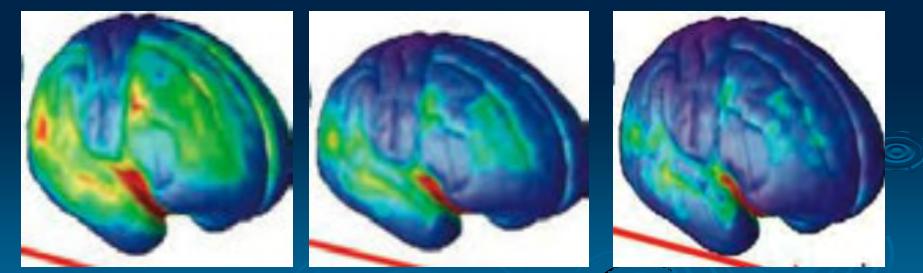
Evidence

Evidence from changes in a wide array of high risk behaviors suggests that parenting is having an effect on self-regulatory behavior!

~Age 13

~Age 17

~Age 20

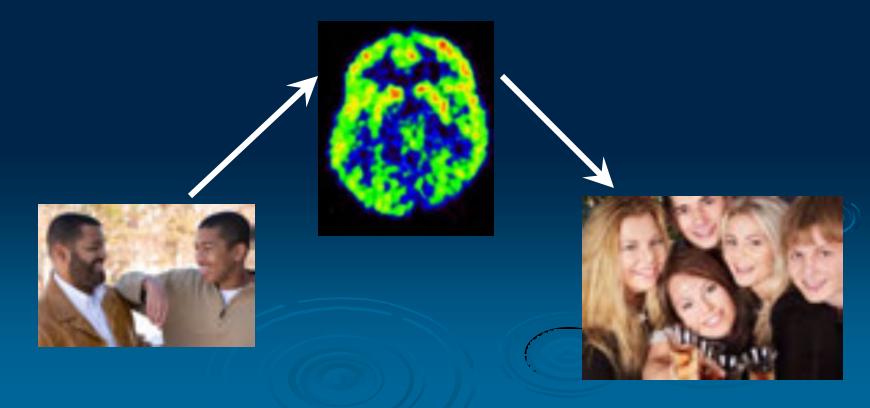


Picture: Paul Thompson, Ph.D. UCLA Laboratory of Neuroimaging

Summary

• PBI Multiple well controlled trials

• Parents make a difference by influencing changes to their children's brains which in turn result in self-regulatory behaviors and less problematic outcomes.



Acknowledgements

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