

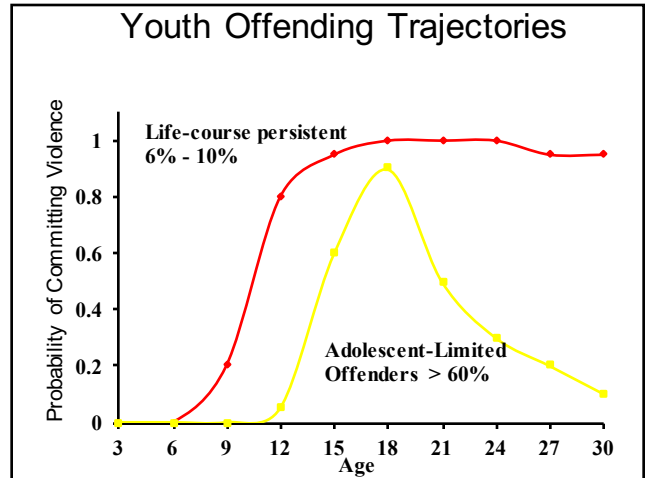


Neuropsychology of Youth Violence

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Graham v Florida

U.S. Supreme Court:
“... developments in psychology and brain science continue to show fundamental differences between juvenile and adult minds. For example, parts of the brain involved in behavior control continue to mature through late adolescence.”

Work by Giedd et al

Neuroscience of Age & Maturation

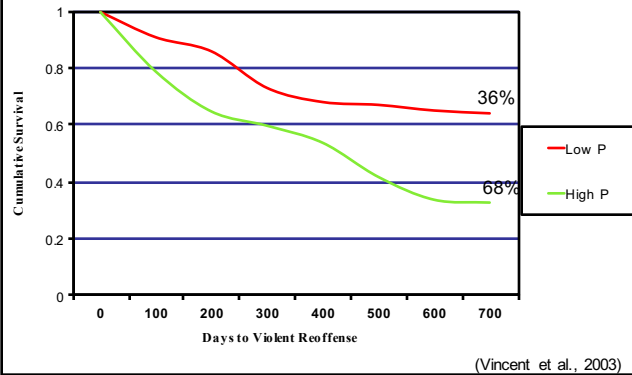
2 to 20 years: Girls
Stature-for-age and Weight-for-age percentiles

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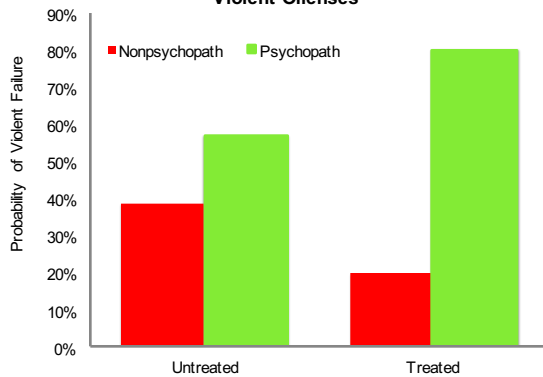
Actuarial Prediction of Recidivism: Risk & Protective Factors

- Age
- Genetics
- Age at first offense
- Index offense type
- IQ
- Mental Illness (untreated)
- Alcohol/Substance abuse/dependence
- Employment
- Social support
- Psychopathy (Hare PCL-R)
- Impulsivity

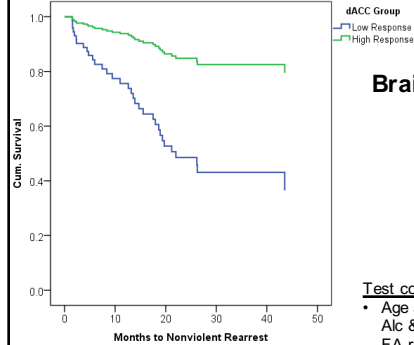
Recidivism in Youth with CU/CD



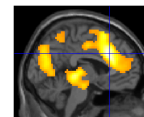
Recidivism Following Treatment Violent Offenses



Cox Survival Analysis



Brain Scans Predict Recidivism

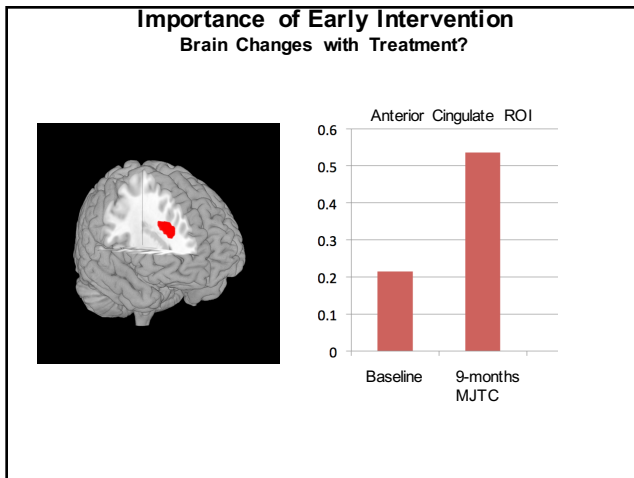
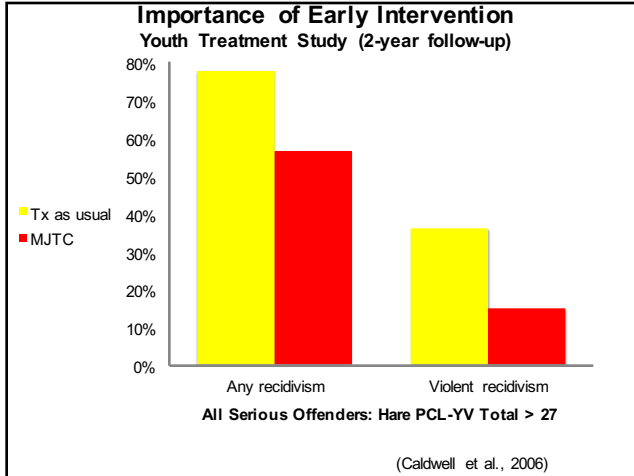


Test controls for:

- Age at release, PCL-R & factors, Alc & Drug problems, Trait anxiety, FA rate.

Crimes (Nonviolent) (ACC split)
O.R. = 4.4**

Aharoni et al., 2013; 2014



Acknowledgments

- Collaborators: Vince Calhoun, Vince Clark, Carla Harenski
- Research/Clinical Staff – Amy Byrd, Rachel Kahn, Keith Harenski, Kristin Macias, Kari Irwin, Anna Sidz, Michael Davenport, Heather Conyngham, Adam Tant, Kate Tremba, Paige Briggs, Lora Cope, Daniel Croftwell, Chloe Hughes, Kevin Bache, Prashanth Nyalakanti, Julia Kreger, Alma Ramirez, Nicole Neal, Erika Johnson-Jimenez, Patti Smith, Vicki Caucutt, Eryka Garcia, Kathy Girod, Ann Moore, James Gilles
- **Postdocs** – Eyal Aharoni, Elsa Emmer, Vaughn Steel
- **Washington Univ**– Ben Shannon, Marc Raichle
- **UCSB** – Scott Grafton, Mike Miller, Mike Gazzaniga
- **UW Madison** – Joe Newman, Mike Koenigs
- **UMass** – Gina Vincent
- **Funding:**
- NIDA R01s DA020870; DA026505;
- NIMH R01s MH0705539; MH071896; MH085010;
- MacArthur Law and Neuroscience Project (Phase 1)

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